

ART. XVII.—*Catalogue of Diptera occurring about Holywood in Downshire.* By A. H. HALIDAY, Esq., M.A.

[TO THE EDITOR OF THE ENTOMOLOGICAL MAGAZINE.]

SIR,—I send you a list of some Diptera occurring about Holywood, in the county of Down. Should you think it not unsuited to the pages of the *Entomological Magazine*, the Notes appended will afford the necessary explanations of the nomenclature adopted, where it differs from that of Meigen or of the published British Catalogues. As I am aware that a bare local catalogue may not seem of sufficient general interest to occupy so many pages, I should probably not have thought of it had time allowed me to offer any contribution of greater labour and detail. Perhaps, however, as referring to a district in this respect nearly unexplored, this list may afford some hints for the advancement of our Insect Geography. I am sorry therefore to present it in so meagre a form, many of the most extensive genera being unexamined in detail. These are indicated by the asterisk prefixed; and some of them I have thought it better to pass over entirely. Perhaps, however, a few facts may be gleaned from it, such as it is. The total absence of the families of *Bombylii* and *Asili* is observable; and, considered in connexion with the small proportion which the British species bear to the European in the aggregate, seems a result partially determining the law of progressive distribution among these forms. The disappearance or extreme rarity of the finer genera (the *Optimates*) among the *Tabani*, *Stratiomydes*, *Syrphi*, &c. may also be remarked, as well as the absence of various conspicuous (and in this point of view more insulated) groups, such as *Ctenophora*, *Aspistes*, *Pachygaster*, *Platypeza*, *Diaphorus*, *Echinomyia*, *Gymnosoma*, *Micropeza*, *Platystoma*, &c. On the other hand, the predominance of particular tribes may afford some indications; the *Dolichopi*, as a family, are pretty full (so also the minuter *Tipulidæ*, though not appearing from this catalogue); the *Muscidæ*, of less typical structure (all the genera after *Cænoscia*, or perhaps *Scatophaga*?) are by no means scanty. A few groups seem to approach their culminant point; *Cælopa*, a genus unknown to the shores of the continent, and even on the Scanic peninsula confined to one described species, here

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numbers five or six, all rich in individuals, and exercising no unimportant functions in the economy of nature. *Tachypeza arenaria*, which sometimes swarms upon our coasts, has many analogies of structure with its companions, the swift-footed but heavy-winged *Orygmæ* and *Cælopæ*, and like them is probably confined to a northern range. Not to detain you further with remarks that may appear obvious or trivial, I will only add my best wishes for the success of your undertaking; and am,

Your very obedient, &c.

ALEX. HENRY HALIDAY.

Clifden, near Holywood, Oct. 10th, 1832.

<b>Culex</b>	<b>Limnobia</b> *	<b>Trichocera</b>	<b>Scatopse</b> *
annulatus	E. fuscipennis	hyemalis	nigra
cautans	nitidicollis	fuscata	B minuta
nemorosus	F. nemoralis	annulata	infumata, N.S.
detritus, N.S.	F.a. senilis, N.S.	regelationis	<b>Dilophus</b>
pipiens	G. ferruginea	Dixa	vulgaris
<b>Anopheles</b>	H. littoralis	nebulosa	femorata
maculipennis	O. albifrons	maculata	<b>Biblio</b>
bifurcatus	tripunctata	aprilina	Marc'
plumbeus	nuoculosa	æstivalis	leucopterus
<b>Corethra</b> *	pabulina	serotina?	Pomone
culiciformis	<b>P. Xanthoptera</b>	<b>Macrocera</b>	Johannis
<b>Tanytus</b> *	quadrinotata	lutea	nigriventris, N.S.
<b>Chironomus</b> *	R. tenella	phalerata	lanigerus, m. }
vireacens?	U. immaculata	fasciata	vernalis, f. }
<b>Cnecoides</b> *	V.a. demissa, N.S.	<b>Bolitophila</b>	clavipes
palustris	V.b. pavidata, N.S.	fusca	<b>Simulia</b> *
scutellatus	<b>DICRANOMYIA, St.</b>	<b>Platyura</b> *	sericea & 3
pulicarius	modesta	<b>Sciophila</b>	<b>Rhyphus</b>
obsoletus	chorea	marginata	punctatus
nubeculosus	lutea	rufa	fenestralis
subulans	musta	<b>Leja</b> *	ochraceus, <i>Curtis?</i>
<b>Ceratophogon</b>	oscillans, N.S.	fuscipennis	<b>Beris</b>
stigma	<b>GLORHINA, Meig</b>	bimaculata	geniculata, B.E.
albicornis	[VI.?	Winthemi	chalybeata
ornatus	lencocephala	<b>Cordyla</b>	vallata
annulipes	dumetorum	crassicornis	clavipes
distinctus, N.S.	<b>Geranomyia, N.G.</b>	fusca	<b>Hæmatopota</b>
brachialis, N.S.	unicolor, N.S.	<b>Mycetophila</b> *	pluvialis
gracilis, N.S.	<b>Rhamphidia</b>	limata, <i>Meig.</i>	ocellata
flavipes	longirostris	arcuata	<b>Chrysops</b>
rufipes	<b>Symplecta</b> *	cingulum	viduatus
ferruginea	stictica	lineola	<b>Spania</b>
<b>Sphæromyias</b>	<b>Rhipidia</b>	lunata, <i>Fabr.</i>	Fallenii, N.S.
concinuus, <i>Meig.</i>	maculata	nigra	<b>Rhagio</b>
varipes, <i>St.</i>	<b>Pedicia</b>	<b>Sciara</b> *	scolopaccus
annulitarsis, <i>St.</i>	rivosa	Thomæ	tringarius }
<b>Serromyia</b>	<b>Dolichopeza</b>	morio	vanellus }
femorata	syvicola	flavipes	lineola
morio	<b>Ptychoptera</b>	Orphnephila	<b>Leptis</b>
<b>Psychoda</b> *	albimana	devia, Z.J.	aurata
phalænoides	scutellaris	<b>ANARTE, N.G.</b>	<b>Thereva</b>
nervosa	paludosa	candidata, N.S.?	cincta
fuliginosa	lacustris	<b>Lestremia</b>	<b>Hybos</b>
palustris	<b>Tipula</b> *	leucophæa	funebriis
ocellaris	gigantea	<b>CATOCHA, N.G.</b>	vitripennis
<b>Erioptera</b> *	lutescens?	latipes, N.S.	<b>Cyrtoma</b>
maculata	paludosa	<b>Campylomyza</b> *	nigra?
varia	oleracea	atra	atra
atra	dispar, N.S.	<b>Cecidomyia</b> *	melæna, N.S.
<b>ULA, N.G.</b>	Intepennis?	pictipennis	<b>Ocydromia</b>
mollissima, N.S.	flavolineata	annulipes	scutellata
<b>Limnobia</b> *	nubeculosa? & G	<b>Lasioptera</b> *	glabricula
C. fasciata	<b>A.a. annulicornis</b>	Scatopse *	rufipes
marmorata	<b>B. crocata</b>	<b>A. punctata</b>	<b>Trichina</b>
decora, N.S.	cornicina		clavipes

- Scatophaga**  
 scybalaria  
 atercoraria  
 merdaria  
 enalis  
 lurtaria  
 spurca  
 inquinata  
 eximia, B. E.  
**Ostiorum**, B. E.  
 squalida  
 rufipes  
 rudis, B. E.  
 litorea  
 decipiens, B. E.  
**Dryomyza**  
 flaveola  
 mollis, N. S. ?  
 præusta  
**Cælopa**  
 frigida  
 gravis, N. S.  
 simplex, N. S.  
 parvula, N. S.  
 sciomyzina, N. S.  
**Orygma**  
 luctuosa  
**Actora**  
 buccata, Fall.  
**Helomyza**  
 A. pallida  
 præusta  
 tigrina  
 rufa  
 B. ustulata ?  
 serrata  
 inscripta  
**Heteromyza**  
 oculata  
 atricornis  
**Sciomyza** \*  
 A. nigrimana  
 griseola  
 albocostata  
 B. monilis  
 cinerella  
 nana  
**Tetanocera**  
 marginata  
 rufifrons  
 oblitterata  
**Hieracii**  
**Umbrarum**  
 arrogans  
 elata  
 media  
 sylvatica  
 vittata, N. S.  
 aratorria  
 dorsalis  
 lineata  
**Sepeleon**  
 spehæus  
 Hæffneri  
**Piophila**  
 luteata, N. S.  
 atrata  
 Casei  
 nigriceps  
**Pandora**, N. G.  
 scutellaris, Fall.  
 basalis, N. S.  
**Sepsis**  
 A. Punctum  
 hilaris  
 cynipsea  
**B. cylindrica**  
 annulipes  
 Leachii  
 putris  
 superba, N. S.  
 minor, N. S.  
**Ortalis**  
 pulchella  
 crassipeennis  
 Cerasi  
 vibrans  
**Tephritis**  
**Zoë**  
 continua  
 cognata  
 Onopordinis }  
**Centaureæ** }  
 Arctii  
 marginata  
 cuspidata  
 Arnicæ  
 Plantaginis, N. S.  
 flavicauda  
 Leontodontis  
 radiata  
 Sonchi  
 Lonchææ  
 choreæ  
 Lauxania  
 aenea  
 amica, N. S.  
 sorghida, N. S.  
 lupulina  
**Sapromyza**, p.  
 pallidiventris  
 trimaculata  
 ustulata  
 umbellatarum  
 arcuata  
 10-punctata  
**Sapromyza**, sicut St.  
 flava  
 præusta  
 rorida  
 pallida  
**Pallopætera**, Fall.  
 unicolor  
 Heteroneura  
 albimana  
 ? spurca, N. S.  
**Psila**  
 pallida  
 Rosæ  
 nigricornis?  
**Calobata**  
 petronella  
**Loxocera**  
 elongata  
 ichneumonea  
**Stegana**  
 annulata, N. S.  
**Ochthiphila**  
 aridella  
**Ochthiphila**  
 polystigma  
**Leucopis**  
 puncticornis  
 obscura, N. S.  
**Agromyza** \*  
 nigripes  
 mobilis  
 bimaculata  
 anthracina  
 acuticornis }  
 denticornis }  
 variegata  
 luctuosa  
 œnea  
 strigata  
 Orbana  
**Phytoomyza** \*  
 festiva  
 lateralis  
 affinis  
 flavicornis  
**Ochthera**  
 Mantis  
**Ephydra**  
 glabriculata  
 cæta, N. S.  
 rufipes  
 infecta, N. S.  
 aquila  
 coarctata  
 litoralis  
 fossarum, N. S.  
 hecate, N. S.  
 spilota, B. E.  
 curvicauda  
 albula ?  
 riparia  
 micans, N. S.  
 pygmæa, N. S.  
 sibilans, N. S.  
 leucostoma  
 æstivans, N. S.  
 stagnalis  
 paludum  
 latosa, N. S.  
 compta, N. S.  
 noctula  
 Graminum, N. S. ?  
 quadrata  
 defecta, N. S.  
 picta  
 interrupta, N. S.  
 interstincta  
 flavipes  
 posticata  
 stictica  
**Notiphila** \*  
 cinerea  
 leucostoma  
 griseola  
 chrysothoma  
 erythrothoma  
 albiceps  
 albilabris  
 flaviventris  
 madizans, Fall.  
**Drosophila**  
 flava  
 graminum  
**Drosophila**  
 tristis  
 cellaris L. ? }  
 melanogaster  
 ingrata, N. S.  
 virginea ?  
 phalerata  
 transversa  
 cameraria, N. S.  
 fenestrarum  
 funebraris  
**Diastata**  
 obscuripennis  
 punctum  
 obscurella  
**Opomyza**  
 Germinationis  
 florum  
 var. punctata  
 combinata  
 tripunctata  
 tremula, N. S.  
 asteia, N. S.  
**Asteia**  
 amæna  
**Gymnopa**  
 glabra  
**Chlorops** \*  
 A. lateralis, N. S.  
 fulvifrons, N. S.  
 Cericis  
 agnata, N. S.  
 messoria  
 tæniopus  
 glabra  
 lineata ?  
 hypostigma  
**B. brevipes**  
 aenea  
 cornuta  
 albiseta  
 maura, &c.  
**Meromyza**  
 variegata  
 saltatrix  
 pratorum  
**Borborus** \*  
 subsultans  
 denticulatus  
 hamatus, N. S. ?  
 equinus  
 sylvaticus  
 limosus  
 clunipes  
 ochripes  
 nivalis, N. S.  
 nigerrimus, N. S.  
**Phora** \*  
 A. incassata  
 B. thoracica  
 bicolor  
 nigra  
 flava  
 lutea  
**C. crassicornis**  
 abdominalis, Fall.  
**E. debilis**, N. S.  
**G. Danci**, f. [Meig ?  
 Conicera atra, m. }  
 similis, N. S.  
**F. atrerrima**  
 gateata, N. S.

Taken at Tullymore Park, and on the Mountains of Mourne.

- Orphnephila** devia  
 Sciara bicolor  
 Dicaeuomyia oscillans  
 Limnobia 4-notata  
 Tachydromia gilvipes  
 Callomyia elegans, f.  
 Pipiza interrupta, N. S.  
 Sphagina clunipes  
 Medeterus alpinus, N. S.  
 Dolichopus pavellatus  
 atratus  
 Dolichopus rupestris, N. S.  
 Conops 4-fasciata  
 Sapromyza innata  
 Phylomyza litura,  
 Sapromyza litura, Meig. }

culated style: the segments are darker in the middle: face and legs paler: wings yellowish, the tip and transverse nervure surrounded with brown.

The first longitudinal nervure in this genus is distinctly doubled, though the branches are generally very near each other: in general character it seems rather related to *Psila* or to *Palloptera* than to any of the genera near which it stands in Meigen.

*Stegana annulata*. *Nigra, nitida, alis fuliginosis, hypostomate pectore pedibusque pallidis, horum annulo nigro.* (Long .14.)

The tips of all the thighs and the base of the hinder shanks black.

*Camarota aurifrons*. *Nigra, pedibus luridis, thorace opaco punctato, fronte glabra lutea.* (Long. .1.)

Face pale yellow: antennæ black, the base ferruginous: front shining glabrous, except a single series of very fine hairs near the margin of each eye, the raised triangle is golden, the rest of the front deep orange: poisers dusky: wings brown: the fore legs, the ends of the shanks, and the feet, are lighter coloured than the rest.

Taken in oak copses near Bexley.

*Meromyza viridula*. *Elongata, dilute prasina; vittis thoracis tribus discretis, scutelli et abdominis unicâ nigris.* (Long. .22; dilat. .35.)

Elongate, the front more produced than in the rest (approaching to the genus *Eurina* in this respect), palpi immaculate, a black dot on the vertex: back of the head immaculate, or with two small reddish lines: stripes of the thorax separate, the middle one continued over the scutel, all with a greyish shade: dorsal line of the abdomen not extending to the base, a dot on each side of the same colour: breast with two pale ferruginous spots: legs immaculate green: wings hyaline, with green nervures.

*M. variegata*.

In the pair of this species which I possess, the ground colour is tawny yellow without any greenish tinge: the bands of the thorax are ferruginous, the metathorax and markings of the vertex and abdomen black: the front less produced than in any of the others.

*Chlorops lateralis*. *Straminea, triangulo frontali atro, thoracis abdominisque dorso antennisque nigris, pectore maculato.* (Long. .16.)

**Drosophila tristis.** *Fall.*

The two first joints of the fore feet in the male are short and broad, with a black edge; the colour called by Meigen "testaceous" appears from many instances to be a different shade from that usually so named with us: in this insect it is almost a dull black: the brown tinge at the tip of the wing is not very remarkable: the eyes are fiery red: the abdomen, at least behind, is glossy black; but in all the females very soon after their appearance it becomes from distention black, with a pale band at the base of each segment, and I doubt not that the *Musca cellaris* of Linné, is the same, as his description agrees very tolerably with the female, while no one could call the tinge of *D. funebris*, black.

The present species is exceedingly abundant in autumn, and not uncommon throughout the whole winter and early spring.

**D. ingrata.**

Distinguished from the last by the broad and short hind shanks and feet.

Only one female taken.

**D. melanogaster.**

Fore feet of the male have the 1st and 2d joint dilated.

**D. cameraria.** *Thorace testaceo opaco vittâ fuscâ, abdomine rufo, incisuris fuscis.*

Resembles *D. fenestrarum*, but the opaque and more hairy head and thorax at once distinguish it.

In windows in autumn. Bred from Boleti.

**Ephydra defecta.** *Nigro-ænea, scutello violaceo nitido, alis obscuris hyalino-guttatis, antennis subtus luteis.* (Long. .08.)

(To division B.) Seta of antennæ pectinate: face silvery: semicircle of the vertex steel blue: markings of the wings nearly as in *E. noctula*: base of the metatarsi obscure yellow.

**E. pygmæa.** *Glaucâ, capite dorso prothoracis et scutello cinereis, antennis et tarsis ferrugineis.* (Long. .05.)

The face is not convex, but rather like a *Notiphila*; but the massive mouth and general character are more like *Ephydra*: antennæ with a dusky line above, third joint orbicular, seta short and pectinate: