



Fig. 2. A "map of frequencies" of the insect world.

- | | | |
|---------------------------------|--------------------------------------|------------------------------------|
| 1 <i>Psocus</i> spp. | 20 <i>Papilio machaon</i> | 39 <i>Vespa vulgaris</i> ♀ |
| 2 <i>Chrysopa carnea</i> | 21 <i>Caenis horaria jenneria</i> | 40 <i>Bombus agrorum</i> |
| 3 <i>Aeschna juncea</i> | 22 <i>Leptophlebia marginata</i> | 41 <i>Ammophila sabulosa</i> |
| 4 <i>Aegeria apiformis</i> ♂ | 23 <i>Attagenus schaefferi</i> | 42 <i>Camponotus herculeanus</i> ♀ |
| 5 <i>Hemaris fuciformis</i> | 24 <i>Trichius fasciatus</i> | 43 <i>Bombylius minor</i> |
| 6 <i>Aegeria apiformis</i> ♀ | 25 <i>Cetonia aurata</i> | 44 „ maior |
| 7 <i>Chaerocampa porcellus</i> | 26 <i>Geotrupes stercorarius</i> | 45 <i>Musca domestica</i> |
| 8 „ <i>elpenor</i> | 27 <i>Saperda carcharias</i> | 46 <i>Tabanus bovinus</i> |
| 9 <i>Deilephila galii</i> | 28 <i>Melolontha hippocastani</i> | 47 <i>Psilocephala eximia</i> |
| 10 <i>Augiades sylvanus</i> | 29 <i>Eurydema oleraceum</i> | 48 <i>Forcipomyia</i> sp. ♂ |
| 11 <i>Plusia gamma</i> | 30 <i>Dolycoris baccarum</i> | 49 <i>Chironomidae</i> spp. ♂ |
| 12 <i>Smerinthus</i> spp. | 31 <i>Elasmosethus interstinctus</i> | 50 <i>Culicidae</i> spp. ♂ |
| 13 <i>Cossus cossus</i> | 32 <i>Chalcididae</i> sp. | 51 <i>Anopheles maculipennis</i> ♂ |
| 14 <i>Sphinx ligustri</i> | 33 <i>Amblyjoppa proteus</i> | 52 <i>Culicidae</i> spp. ♀ |
| 15 <i>Catocala fraxini</i> | 34 <i>Ophion</i> spp. | 53 <i>Chironomus plumosus</i> ♀ |
| 16 <i>Vanessa antiopa</i> | 35 <i>Sirex gigas</i> ♀ | 54 <i>Anopheles maculipennis</i> ♀ |
| 17 <i>Geometra papilionaria</i> | 36 <i>Anthophora vulpina</i> | 55 <i>Pachyrrhina crocata</i> |
| 18 <i>Papilio machaon</i> | 37 <i>Apis mellifica</i> | 56 <i>Tipula oleracea</i> |
| 19 <i>Pieris napi</i> | 38 <i>Vespa vulgaris</i> ♀ | 57 <i>Taeniothrips atratus</i> |

SPECIAL PART

A SYSTEMATIC LIST OF THE FLIGHT-TONE DETERMINATIONS

Ordered as in "Enumeratio Insectorum Fenniae" 1933—1941. The figure in parentheses shows the number of simultaneous records.

	Flight-tone	Fre-quency	Date	<i>Sphinx ligustri</i> L.	C ₁ — C ₁ #	32 — 35	39 — 40
LEPIDOPTERA							
<i>Papilio machaon</i> L.	.....	5.5	June 26/43	" "	C ₁ — C ₁ #	32 — 35	39 — 40
" "	(on a flower)	5	" 22/46	" "	C ₁ — C ₁ #	32 — 35 June	22/39
" "	(fixed)	9	"	" ♂	A ₂ — B ₂	28 — 31 July	4/39
<i>Pieris napi</i> L.	♂	6	" 23/44	" <i>pinastri</i> L.	A ₂ — B ₂	28 — 31	14/39
<i>Gonepteryx rhamni</i> L.	.....	6.7	Aug. 26/43	" "	B ₂	31 Sept.	10/40
<i>Vanessa antiopa</i> L.	.....	10	" 22/45	" "	B ₂ —	30 Feb.	14/41
<i>Augiaades sylvanus</i> ESP.	♂	G ₁	June 12/43	" "	A ₂	28	15/41
" "	..... A ₁ — B ₁	55 — 62	" 13/43	<i>Dilina tiliiae</i> L.	♂ C ₁ #, D ₁	35, 37	18/39
<i>Hemaris fuciformis</i> L.	..... F — G	87 — 98	" 19/39	" "	D ₁ — E ₁	37 — 41	27/41
" "	E+	85	" 20/41	" "	D ₁ — E ₁	37 — 41	26/45
" "	E	82	" 15/43	" "	D ₁ — E ₁	37 — 41	9/39
" "	(see p. 27)		" 19/44	<i>Smerinthus ocellatus</i> L.	♂ D ₁ — E ₁	37 — 41	/43
<i>Chaerocampa elpenor</i> L.	..... A ₁	55	" /39	" "	D ₁ —	37	9/39
" "	..... A ₁	55	June 15/39	" "	D ₁ —	36	6/41
" "	..... B ₁ b — B ₁	58 — 62	" 18/39	" "	D ₁ —	Feb.	20/44
" "	..... A ₁ — B ₁	55 — 62	Aug. 19/39	" "	D ₁ —	37	17/44
" "	..... G ₁ # — B ₁ b	52 — 58	June 22/43	<i>Cerura bifida</i> HB.	♀ A ₁ — B ₁ b	55 — 58	May
" "	..... B ₁ b	58	Feb. 15/44	<i>Pheosia dictaeoides</i> ESP.	♂ G ₁	49	23/43
" "	(2) B ₁ b —, B ₁ b	57, 58	June 26/45	" "	F ₁	44	18/43
" "	<i>porcellus</i> L.	.... C — D	65 — 73	" "	F ₁ — F ₁ #	44 — 46	19/43
" "	.... C — D	65 — 73	June 15/39	<i>Notodontia ziczac</i> L.	♂ D ₁ — F ₁ #	44 — 46	3/47
" "	.... C# — D	69 — 73	" 28/39	<i>Lophopteryx camelina</i> L.	♂ C ₁ # — D ₁	35 — 37	Feb.
" "	♂, ♀ C# +	71	" 25/41	<i>Phalera bucephala tenebrata</i>	STRD. ♂ C ₁ #	35	17/43
" "	♀ (2) C, C +	65, 67	" 26/41	" "	D ₁	37	/44
" "	♀ C#	69	" 26/41	<i>Pygaera timon</i> HB.	♂ C ₁	32	10/47
<i>Deilephila galii</i> SCHIFF.	.... G ₁ — A ₁	49 — 55	" /39	" <i>curtula</i> L.	♂ A ₁	49	25/44
" "	.... G ₁ — A ₁	49 — 55	June 15/39	" "	A ₁	55	7/47
" "	.... G ₁ # — B ₁ b	52 — 58	" 28/39	" <i>pigra</i> HFN.	♂ B ₁ — C	55	3/47
" "	.... G ₁ — G ₁ #	49 — 52	Aug. 19/39	<i>Trichiura crataegi ariae</i> HB.	♂ B ₁	62 — 65	16/44
" "	.... G ₁	52	June 26/45	" "	B ₁	62	Aug.
				" "	"	62	17/39
				" "	"	62	19/39

<i>Trichiura crataegi ariae</i> HB. ♂	B ₁	62	Aug.	25/42	<i>Sora rubricosa</i> F. ♂	F ₁	44	May	17/43	
<i>Poecilocampa populi</i> L. ♂ ..	G ₁	49	Oct.	8/42	<i>Charaeas graminis</i> L. ♂	D	73	Aug.	15/39	
<i>Diphthera alpium</i> OsB.	D ₁	37	Feb.	3/47	" "	(2) C - D	65 - 73		6/40	
<i>Demas coryli</i> L. ♂	G ₁	49	May	23/43		C-	64		7/40	
" "	G ₁	49		24/43		C	65		9/40	
<i>Acronycta megacephala</i> F. F ₁ - G ₁		44 - 49	Aug.	5/42		G#+	71	July	30/45	
" <i>auricoma</i> F. ♀ ..	B ₁ b	58	March	11/41	<i>Epinevronia popularis</i> F. ♂	A ₁	55	Aug.	9/40	
<i>Agrotis porphyrea</i> SCHIFF. ... A ₁ - B ₁ b		55 - 58	July	17/44	" "	B ₁ b	58		15/39	
<i>polygona</i> F.	G ₁	49	Aug.	20/42		A ₁ - B ₁ b	55 - 58		16/39	
" <i>sobrina</i> Gn. ♂	E ₁	41		3/43		G ₁ # - B ₁ b	52 - 58		17/39	
" <i>augur</i> F. ♂	E ₁ b	39	July	9/43		G ₁ # - B ₁	52 - 62		18/39	
" "	E ₁	41		12/43		A ₁ - B ₁ b	55 - 58	"	9/40	
<i>baia</i> F.	F ₁	44		14/43		A ₁ -	54	"	13/40	
"	E ₁ b	39	Aug.	6/43		A ₁ +	56		16/40	
<i>dahli</i> HB.	F ₁ # - G ₁	46 - 49		6/40	" "	A ₁ +	56		20/40	
"	E ₁	41		6/43		A ₁ +	56	"	21/40	
<i>festiva conflua</i> TR. ... G ₁		49	July	14/43	" "	A ₁	55	"	10/43	
<i>cuprea</i> HB.	F ₁ +	45	Aug.	19/39		A ₁ +	52	"	16/42	
"	G ₁ #	52		15/40	<i>cespitis</i> F. ♂ ..	B ₁	62		14/39	
"	G ₁	49	July	30/43	" "	B ₁	62		15/39	
<i>exclamationis</i> L.	B ₁ b	58	June	18/39		G ₁ # - B ₁	52 - 62	"	18/39	
"	B ₁ b - B	58 - 62	July	7/40		B ₁	62		24/39	
<i>recussa</i> HB.	A ₁ +	56	Aug.	16/39		A ₁ +	56		7/40	
"	B ₁ b	58		11/42		B ₁ b	58	"	9/40	
"	A ₁	55		12/42		A ₁ +	56		16/40	
"	G ₁	49		13/42		A ₁ +	56		19/40	
"	G ₁ # - A ₁	52 - 55	"	19/42	<i>Mamestra nebulosa</i> HFN. ♂	D ₁	37	July	14/43	
"	G ₁ #	52	Sept.	1/42	" "	dissimilis	G ₁ # - A ₁	52 - 55	June	27/39
"	A ₁	55	Aug.	10/43		B ₁ - C	62 - 65	July	13/44	
<i>nigricans</i> L.	B ₁ b	58		23/42	" "	contigua	VILL. F ₁ #+	48		17/40
<i>praecox</i> L.	G ₁	49		12/42		nana	HFN. G ₁ # - A ₁	52 - 55	June	19/43
"	G ₁ #	52		13/42		♀	B ₁ - C	62 - 65		16/44
<i>occulta</i> L.	D ₁	37	Aug.	30/42		reticulata	VILL. B ₁	62		13/43
"	C ₁ #	35	July	18/43	<i>Dianthoecia nana</i> ROTT.	B ₁	62		28/39	
"	B ₂ -	30		30/45		B ₁	62		11/43	
<i>Sora rubricosa</i> F.	F ₁ #	46	Apr.	22/43		B ₁ b	58		22/43	
"	F ₁	44		23/43	" "	C	65	July	27/43	
"	A ₁	55		23/43	<i>Miana strigilis</i> CL. F ₁	44		Aug.	8/43	
"	G ₁	49		24/43	" "	C - C#	65 - 69		13/42	
"	G ₁	49		25/43	<i>Celaena haworthi</i> erupta GM.	C +	67		25/42	

<i>Hadena bathensis</i> LUTZ. ♀ .. G ₁ #	52	July	15/44	<i>Hydroecia fucosa</i> FRR. B ₁	62	Aug.	25/40
„ <i>gemmea</i> TR. G ₁ - G ₁ #	49 - 52	Aug.	19/39	„ „ B ₁ ±	58±	„	28/40
„ „ G ₁	49	„	26/40	„ „ B ₁ - C	58 - 65	„	8/43
„ „ G ₁	49	„	21/42	„ „ B ₁	62	„	26/43
„ „ G ₁	49	„	7/43	„ „ C	65	„	30/43
„ <i>monoglypha</i> HFN. .. F ₁	44	July	16/39	„ „ B ₁	62	„	30/43
„ .. G ₁ #+	53	„	29/45	„ <i>micacea</i> ESP. ♂ (2) C - C#	65 - 69	„	17/39
„ <i>laterilia</i> HFN. (2) ... F ₁ + - G ₁ -	45 - 48	„	16/39	„ A ₁	55	„	18/39
„ F ₁ # - G ₁	46 - 49	„	18/43	„ B ₁ -	57	„	13/40
„ <i>rurea</i> F. G ₁	49	June	24/41	„ G ₁ #+	53	„	25/40
„ <i>basilinea</i> F. G ₁ # - A ₁	52 - 55	„	27/39	„ A ₁ - B ₁ b	55 - 58	„	21/42
„ .. F ₁ #	46	„	23/43	„ G ₁ #	52	Oct.	5/42
„ <i>secalis</i> L. ab. A ₁ - B ₁ b	55 - 58	Aug.	5/42	„ G ₁ #	52	„	7/42
„ „ .. B ₁	62	„	11/42	„ G ₁	49	„	8/42
„ „ B ₁ b	58	„	7/43	„ B ₁ b	58	Sept.	1/43
<i>Polia chi</i> L. ♂ .. F ₁	44	Sept.	4/43	„ B ₁ b	58	„	9/43
„ ♀ .. G ₁ # - A ₁	52 - 55	Aug.	31/43	„ G ₁ #	52	„	9/43
<i>Dasyptilia templi</i> THNBG. ♂ .. F ₁	44	Oct.	6/42	<i>Nonagria typhae</i> THNBG. ♀ .. G ₁	49	„	2/43
<i>Brachionycha nubeculosa</i> ESP. ♂ E ₁	41	Apr.	22/43	„ F ₁	44	„	6/46
„ ♂ E ₁	41	„	26/46	<i>Tapinostola hellmanni</i> Ev. (2) B ₁ - C	62 - 65	Aug.	6/40
<i>Dipterygia scabriuscula</i> L. .. G ₁	49	June	22/43	„ G ₁ +	50	„	18/42
.. F ₁ # - G ₁	46 - 49	July	19/43	<i>Luceria virens</i> L. ♂ .. G ₁	49	„	9/43
<i>Jaspidea celsia</i> L. ♂ .. F ₁	44	Aug.	31/43	„ G ₁ #	52	Sept.	1/43
„ „ (2) ... F ₁ #	46	Sept.	8/43	<i>Leucania impura</i> HB. G ₁ #	52	July	14/44
„ „ F ₁	44	„	9/43	„ <i>comma</i> L. (4) G ₁ #	52	June	23/43
„ „ F ₁	44	„	13/43	„ <i>conigera</i> F. A ₁ + - B ₁ b	56 - 58	Aug.	8/42
<i>Helotropha leucostigma</i> HB. ... B ₁ -	60	Aug.	17/39	„ C	65	„	8/43
„ „ .. B ₁	62	„	25/40	<i>Mithymna imbecilla</i> F. ♂ .. C	65	July	17/44
„ „ (2) ... B ₁ b - B ₁	58 - 62	„	30/46	<i>Caradrina cinerascens</i> TNGST. F ₁ # - G ₁	46 - 49	„	26/43
<i>Hydroecia ocella</i> L. ♂ .. G ₁ #+	53	„	17/39	„ A ₁	55	Aug.	24/42
„ „ .. G ₁ # - A ₁	52 - 55	„	28/40	„ sp. F ₁ #	46	„	14/39
„ „ .. G ₁ - G ₁ #	49 - 52	„	10/43	<i>Rhusina umbratica</i> Gz. ♂ .. F ₁	44	June	27/39
„ „ .. G ₁ # - A ₁	52 - 55	„	27/46	<i>Amphipyra tragopogonis</i> L. G ₁ #+	53	Aug.	14/39
„ „ .. G ₁ #	52	„	30/46	„ G ₁ #+	53	„	15/39
„ .. A ₁	55	Sept.	2/46	„ G ₁ #	52	„	18/39
„ <i>fucosa</i> FRR. (2) ... B ₁ + - C	63 - 65	Aug.	15/39	„ G ₁ #+	53	„	21/40
„ .. B ₁	62	„	16/39	„ G ₁ #	52	„	11/42
„ „ (2) ... B ₁ - C	62 - 65	„	17/39	<i>Taeniocampa gothica</i> L. (2) .. G ₁	49	Apr.	25/43
„ „ B ₁ b - B ₁	58 - 62	„	9/40	„ G ₁	49	„	26/43
„ „ B ₁ +	63	„	16/40	„ G ₁	49	„	27/43

<i>Taeniocampa gothica gothicina</i>										
	HS. G ₁ #+	53	Apr.	21/43	<i>Abrostola tripartita</i> HFN.	B ₁	62	June	11/43	
	G ₁	49		25/43	<i>Plusia moneta</i> F.	F ₁	44	Aug.	11/42	
"	<i>incerta</i> HFN.	..	F ₁ #	46	"	G ₁	49		7/43	
"	"	..	F ₁ #	46	"	" chrysitis L.	A ₁ - B ₁ b	55 - 58	5/42	
"	"	..	F ₁ -	43	"	"	F ₁ - F ₁ #	44 - 46	June 23/43	
"	"	..	E ₁	41	"	"	G ₁ - G ₁ #	49 - 52	July 14/43	
"	<i>gracilis</i> F.	..	G ₁	49	"	" iuncta TUTT.	B ₁ b	58	/40	
<i>Orthosia helvola</i> L. ♂	..	E ₁ - F ₁	41 - 44	Sept.	24/43	" bractea F.	G ₁ - G ₁ #	49 - 52	Aug. 5/42	
<i>Xanthia lutea</i> STRÖM. ♂	..	F ₁ -	43	Aug.	19/42	" festucae L. (2)	G ₁ # - A ₁ -	52 - 54	" 14/39	
"	"	..	G ₁	49		"	G ₁ #	52	" 19/39	
"	"	..	G ₁ #	52	Sept.	" confusa STEPH.	G ₁ #	52		
"	"	..	F ₁	44	"	" gamma L.	F ₁ #	46	14/39	
"	"	..	G ₁ #	52	"	" (2)	F ₁ # + - G ₁ #	47 - 52	" 15/39	
"	<i>fulvago</i> L.	..	G ₁ - G ₁ #	49 - 52	Aug.	15/39	" interrogationis L.	A ₁	55	
"	"	..	G ₁ #	52		"	G ₁ #	52	16/42	
"	"	..	G ₁ - G ₁ #	49 - 52		18/39	<i>Calocala fraxini</i> L.		12.5	
"	"	..	A ₁	55	Sept.	1/43	<i>Thyatira batis</i> L.	D ₁ - E ₁ b	37 - 39	" 19/45
"	"	..	G ₁ #	52	Aug.	18/39	<i>Polyptiloca flavicornis</i> L. ♂ ..	F ₁ +	45	Apr. 21/43
"	"	..	G ₁	49		25/40	"	♂♂ E ₁	41	26/46
"	"	..	F ₁ #	46		26/40	<i>Geometra papilionaria</i> L.		10	July 30/45
"	"	..	G ₁	49		31/43	<i>Ennomos alniaria</i> L. ♂	E ₁	41	Aug. 18/39
<i>Orrhodia vaccinii</i> L.	"	A ₁	55	Apr.	26/43	<i>Crocallis elingularia</i> L. ♂ ..	A ₂ - B ₂	28 - 31	11/42	
<i>Scopelosoma satellitum brunneum</i> LPA	..	F ₁ # - G ₁	46 - 49	Aug.	30/43	"	♂♂ (2) D ₁	37	July 29/43	
<i>Xylina socia</i> ROTT.	..	G ₁	49	Apr.	24/43	<i>Biston hirtarius</i> CL. ♂	D ₁	37	Apr. 27/46	
"	<i>furcifera</i> HFN.	..	E ₁ b	39		"	Rhyparia purpurata L. ♂ ..	E ₁ b	39	June 17/43
"	<i>ingrica</i> HS.	..	G ₁ -	48	"	"	<i>Anthrocera meliloti</i> ESP.	B ₁	62	July 23/42
"	"	(2)	F ₁ - F ₁ #	44 - 46		23/43	" lonicerae ESP.	A ₁ - B ₁ b	55 - 58	21/42
"	"	..	G ₁	49		24/43	"	B ₁ b	58	29/43
"	"	..	E ₁ b	39	Sept.	5/43	<i>Aegeria apiformis</i> CL. ♂ ..	F# - G	93 - 98	Aug. 5/42
"	"	..	E ₁	41	Aug.	30/46	"	F	87	12/42
<i>Calocampa veluta</i> HB. ♂ ..	G ₁	32	Sept.	4/43	"	"	E - F#	82 - 93	July 19/43	
"	<i>solidaginis scandinavica</i> NORDSTR.	E ₁	41		"	"	F#	93		23/43
"	"	D ₁	37		"	"	♀	D	73	Aug. 5/42
<i>Cucullia umbratica</i> L.	"	G ₁ - A ₁	49 - 55		5/43	"	"	D - E	73 - 82	" 5/42
"	"	G ₁ - A ₁	49 - 55	June	/39	"	"	D	73	
"	<i>gnaphalii</i> HB.	C	65		9/43	"	"	D#	78	12/42
<i>Scoliopteryx libatrix</i> L.	..	E ₁	41	Aug.	23/42	"	"	(2) ..	73 - 82	July 13/42
						"	"	D - E	73 - 82	July 19/43
						"	"	E - F	82 - 87	" 30/42
						"	"	E - F	82 - 87	Aug. 1/42

<i>Trochilium tipuliforme</i> CL. . . . G - G#	98 - 104	Aug.	5/42	<i>Ammophila campestris</i> LATR. ♂ B - c	123 - 131	July	13/42
<i>Cossus cossus</i> L. ♂ F ₁	44	Apr.	12/43	" "	139	"	21/42
" " ♀ D ₁	37	March	30/43	<i>Psammophila viatica</i> L. G	98	May	16/43
" " E ₁	41	Apr.	6/43	" "	90	"	16/43
" " E ₁ - F ₁	41 - 44	July	19/43	<i>Vespa vulgaris</i> L. ♀	165	"	29/41
<i>Hepialus fusconebulosus</i> DEG. E ₁	41	"	21/42	" "	170	"	30/41
<i>Sympetrum ruralis</i> Sc. F ₁ -	43	Aug.	8/39	" "	185	June	9/41
HYMENOPTERA							
Symphyta							
<i>Acantholyda pinivora</i> ENSL. B ₁ b	58	June	27/43	" "	209	Aug.	10/39
<i>Tenthredo ferruginea</i> SCHR. . . A	110	"	19/43	" "	247	"	18/39
" campestris L. E	82	"	24/42	" "	220	"	18/39
" obsoleta KL. F#	93	"	11/43	" "	196	"	9/40
" " G#	104	"	24/42	" "	190	"	19/40
<i>Dolerus pratensis</i> L. E - F	82 - 87	July	8/42	" "	185	"	29/40
<i>Diprion</i> sp. B	123	June	28/44	" "	208 - 220	"	29/40
<i>Trichiosoma lucorum</i> L. ♂ .. D	73	Feb.	19/43	<i>rufa</i> L. ♂	175	"	22/45
<i>Sirex gigas</i> L. ♀	C#	69	Aug.	" "	156	"	31/42
<i>Paururus juvencus</i> L. E - F	82 - 87	July	20/43	" "	147 - 156	May	29/41
Aculata							
<i>Chrysis fulgida</i> L. d	147	June	15/42	" "	165	"	9/41
" ignita" L. d	147	July	25/42	" "	156	"	17/41
ab. d - eb	147 - 156	June	20/41	" "	156	"	19/41
" " D	73	"	27/41	" "	156	"	19/43
<i>Camponotus herculeanus</i> L. ♀	"	"	"	" "	196	Aug.	15/39
<i>Pseudagenia carbonaria</i> Sc. ♂ c - c#	131 - 139	"	11/41	" "	190	"	18/39
<i>Psamnochares fuscus</i> L. ♀ (3) e	131	"	14/42	" "	185	"	10/40
<i>Crabro fossorius</i> L. ♂ .. d	147	Aug.	20/42	" "	208	"	14/39
" " cribripennis L. ♀ .. d+	151	"	8/40	<i>austriaca</i> Pz. ♀	139	June	21/41
<i>Pemphredon lugens</i> DAHLB. . . e	165	June	15 42	" "	147	July	22/41
<i>Gorytes mystaceus</i> L. B	123	July	20/46	" "	139	Aug.	1/41
<i>Mellinus arvensis</i> L. ♀ .. B	123	Aug.	9/40	" "	147	June	10/43
<i>Ammophila sabulosa</i> L. ♂ .. c	131	July	8/42	<i>media</i> RETZ. ♀	139	"	15/39
" " ♀ .. B - c	123 - 131	"	8/42	" "	139	"	9/41
" " .. d	147	"	21/42	" "	131	"	13/41
" " c# - d	139 - 147	Aug.	20/42	" "	139	"	20/41
" " campestris LATR. ♂ c	131	July	8/42	<i>silvestris</i> Sc. ♂	147	Sept.	1/42

<i>Vespa silvestris</i> Sc. ♀ (2) ... e+ - f	170 - 175 June	9/41	<i>Andrena vaga</i> Pz. Bb-	117 - 131 May	29/41
" " " " e+ - f	170 May	23/43	" " ♂ B	123 "	29/41
" " " ♀ g+ - a	202 Aug.	8/40	" " Bb - c+	117 - 135 "	30/41
" <i>norvegica</i> F. ♀ ♀ (3) .. g# - a	208 - 220 July	6/43	" " ♂ c#	139 "	30/41
" <i>saxonica</i> F. ♀ f	175 June	12/39	" " ♂ (2) .. c	131 "	31/41
" " " " e	165 " 15/39	" " ♂ Bb	117 Apr.	19/43	
" " " ♀ ♀ e - f	165 - 175 " 39 - 40	" " <i>fucata</i> Sm. ♂ B - c	123 - 131 June	3/41	
" " " ♀ f	175 " 9/41	<i>Halictus rubicundus</i> Chr. ♂ e	165 "	26/41	
" " " " f	175 " 11/41	" " ♀ c# - d	139 - 147 "	3/41	
" " " eb	156 " 12/41	<i>Anthophora vulpina</i> Pz. (2) .. b - c	247 - 262 July	19/41	
" " " f +	180 " 14/41	" " c#	277 "	22/41	
" " " ♀ g#	208 July 13/41	<i>Eucera longicornis</i> L. ♂ e+	170 June	26/41	
" " " g	196 Aug. 12/42	" " f	175 "	15/42	
<i>Eumenes coarctatus</i> L. ♀ ... eb	156 July 25/42	" " ♀ e+	170 July	22/41	
<i>Odynerus crassicornis</i> Pz. ♂ . B - c	123 - 131 Aug. 12/42	" " e+	170 June	23/42	
" " " ♂ Bb	117 " 10/39	" " eb	156 "	24/42	
" " " Bb	117 July 13/41	<i>Megachile ericetorum</i> LEP. ♂ .. g# - a	208 - 220 "	26/41	
" " " c	131 Aug. 22/42	" " lagopoda L. ♂ (2) .. a-	214 July	14/41	
" " " G - A	98 - 110 Sept. 1/42	" " g#	208 "	19/41	
" " " ♀ (3) B - c#	123 - 139 July 24/46	" " f# +	190 "	21/42	
" <i>bifasciatus</i> L. ♀ (2) Bb - B	117 - 123 " 20/46	" " ♂ g+	202 "	19/41	
" <i>sinuatus</i> F. ♂ d	147 " 25/42	" " f +	180 "	19/41	
" " ♂ (3) .. c# - d	139 - 147 " 20/46	" " g# -	205 "	22/41	
" " " c	131 Aug. 9/40	" " f	175 "	31/41	
" " " ♀ (14) .. c#	139 July 20/46	" " ligniseca K. ♀ .. g# - a	208 - 220 June	26/41	
" <i>trimarginatus</i> ZETT.	152 June 27/41	" " b	233 July	22/41	
" ♀ d +	165 - 175 July 20/46	" " f -	170 Aug.	4/42	
" <i>oviventris</i> WESM.	147 " 13/41	" " rotundata F. ♀ .. c#	277 July	22/41	
" ♀ (2) e - f	165 " 14/40	" " ♂ a - b	214 "	19/41	
" <i>parietinus</i> L. ♀ .. d	165 " 20/46	" " bb	233 "	22/41	
" <i>trifasciatus</i> F. ♀ .. e	139 June 26/41	" " a - b#	220 - 233 Aug.	/39	
" <i>claripennis</i> THS. ♂ e	131 July 20/46	" " g# + - a	214 - 220 July	19/41	
" <i>nigripes</i> HS. ♀ .. c#	165 " 20/46	" " bb	233 "	19/41	
" <i>laevipes</i> SHUCK. ♀ c	165 " 20/46	" " g	196 "	22/41	
" <i>spinipes</i> L. ♀ e	175 " 20/46	" " bb	233 "	22/41	
" sp. ♂ f	117 Apr. 23/43	<i>Anthidium manicatum</i> L. ♂ .. a-	139 - 147 May	30/41	
<i>Colletes cunicularius</i> L. Bb	135 June 26/41	" " d	147 June	3/41	
<i>Andrena barbareae</i> Pz. ♂ c +	127 " 23/42	" " d# - e	156 - 165 "	15/42	
" <i>pectoralis</i> PER. ♂ .. c -	117 - 123 " 28/39	" " bifida Ths. ♂ B - c	123 - 131 "	3/41	

<i>Nomada bifida</i> Ths. ♂	e♭	156	June	24/42	<i>Bombus distinguendus</i> MOR. ♀ ♀ a	220	July	19/41
<i>Coelioxys mandibularis</i> NYL. ♀ f		175	July	15/42	,, <i>equestris</i> F. ♂	f♯ - g	185 - 196	Aug. 22/40
<i>Psithyrus rupestris</i> F. ♀	B	123	June	26/41	,, ,	♀ (2) .. g - g♯	196 - 208	June 15/39
" <i>bohemicus</i> SEIDL. ♂ B♭ +		120	Aug.	18/39	,, ,	g♯	208	28/39
" " ♂♂ B		123	July	21/42	,, ,	g+	202	18/41
" " ♀ (2) B - c		123 - 131	June	13/41	,, ,	♀ (2) .. b♭ - b♭	227 - 233	Aug. 15/39
" " " c - c♯		131 - 139	"	15/41	,, ,	a	220	8/40
" " ♀ A - B♭		110 - 117	Aug.	4/42	,, ,	b♭	233	/42
" " ♀ B		123	"	11/42	,, ,	c↑	262	July 31/41
" <i>silvestris</i> LEP. ♀ .. c♯		139	June	29/41	,, ,	hypnum L. ♂ .. d	147	13/42
" " .. B		123	July	25/42	,, ,	♀ .. e♭	156	June 18/41
" <i>lissonurus</i> Ths. ♂♂ B♭		117	"	13/42	,, ,	c	131	July 25/42
<i>Bombus hortorum</i> L. ♂ .. B		123	Aug.	10/39	,, ,	c♯ - d	139 - 147	Aug. /42
" " .. c♯		139	"	10/39	,, ,	d♯	156	/42
" " (2) .. c♯ - d -		139 - 143	"	30/40	,, ,	c♯	139	26/43
" " .. c♯		139	"	26/43	,, ,	♀ (big) f	175	June 28/39
" " .. c♯		139	"	31/43	,, ,	f	185	July 15/42
" " ♀ .. d		147	June	15/39	,, ,	d♯ - e	156 - 165	Aug. /42
" " .. c♯ +		143	Aug.	15/39	,, ,	e - f	165 - 175	/42
" " .. c♯		139	"	18/39	,, ,	♀ (small) g+	202	June 28/39
" " ♀ .. c - c♯		131 - 139	June	18/41	,, ,	a	220	18/41
" " ♀ .. c♯ - d		139 - 147	Aug.	4/42	,, ,	g - g♯	196 - 208	Aug. /42
" " ♀ .. c♯ - d		139 - 147	July	28/43	,, ,	agrorum F. ♀ ♀ .. e♭ - e +	156 - 170	June 11/39
" " .. d		147	May	22/45	,, ,	(3) (see p. 27)		June 14/44
" " .. c -		127	July	27/45	,, ,	♀ (big) e +	170	15/39
" " .. B - c		123 - 131	"	31/42	,, ,	e +	170	Aug. 18/39
" " ♀ .. e♭ +		160	Aug.	10/40	,, ,	e +	170	June 5/41
" " .. e +		170	"	29/40	,, ,	e +	165	Aug. /42
" " .. d +		152	"	30/40	,, ,	♀ ♀ .. e	156 - 175	June 15/39
" " .. d		147	June	18/41	,, ,	e♭ - f	156	Aug. 8/39
" " ♀ ♀ .. d♯ - e		156 - 165	Aug.	4/42	,, ,	e♭	175	15/39
<i>distinguendus</i> MOR. ♂ f - f♯		175 - 185	"	9/40	,, ,	f	165	June 18/41
" " ♀ d +		152	June	15/39	,, ,	e	190	28/39
" " c		131	Aug.	8/40	,, ,	♀ (small) f +	208	29/39
" " c♯		139	June	18/41	,, ,	g♯	196	Aug. 8/39
" " ♀ f		175	Aug.	5/39	,, ,	g	185	/42
" " e +		170	"	15/39	,, ,	f	175	June 18/41
" " e		165	June	18/41	,, ,	pascuorum Sc. ♀ f	175	13/41
" " e		165	July	19/41	,, ,	♀ (big) f	175	Aug. /42
" " g♯		208	Aug.	4/42	,, ,	e +	170	Aug. /42

7	<i>Bombus agrorum pascuorum</i> Sc. ♀ (very small) a	220	Aug. 9/40	<i>Bombus pratorum</i> L. ♀ (small) bb a - a	233	June 26/41
"	<i>lapidarius</i> L. ♂ f - f#	175 - 185	" 15/39	" " " "	208	July 13/42
"	" " e	165	" 25/39	" " " "	196 - 220	Aug. /42
"	" ♂ e-	161	" 22/40	" " " "	147	June 11/39
"	" ♂ e	165	" 30/40	" " (big) f	156	18/41
"	" ♂ eb	156	June 15/39	" " (small) w - g#	175	Aug. 18/39
"	" eb	156	" 3/41	" " g	196 - 208	June 28/39
"	" e	165	" 5/41	" " lucorum L. ♂ + - d +	190	Aug. 8/39
"	" e	156	" 18/41	" " " "	196	June 26/41
"	" e-	161	May 31/45	" " " " d	143 - 152	Aug. 8/39
"	" d	147	" 22/45	" " " " c#	147	18/39
"	" g	196	June 15/39	" " " " B +	139	July 21/42
"	" g+	190	Aug. 10/40	" " " " e -	127	Aug. 4/42
"	" f# +	190	" 22/40	" " " " eb -	161	June 11/39
"	" f# +			" " " " e -	152	9/41
"	(see p.45) bb	233	" 22/40	" " " " c# - d	161	12/41
"	" g	196	" 22/40	" " " " B - c#	139 - 147	Aug. /42
"	" f	175	" 30/40	" " " " d	123 - 139	20/42
"	" g +	202	June 18/41	" " " (see p.35)	147	Apr. 22/43
"	" g - g#	196 - 208	Aug. /42	" " " " d# - e	156 - 165	May 11/43
"	<i>ruderarius</i> MÜLL. ♂ g	196	" 15/39	" " " " e	165	30/45
"	" f#	185	" 9/40	" " " " f - f#	175 - 185	Aug. 22/40
"	" f#	185	July 25/42	" " " " B	123	July 13/42
"	" g# +	214	Aug. /42	" sporadicus NYL. ♀ B	220 - 233	/45
"	" ♂	185	June 5/41	" " " a - b	247	June /45
"	" ♂ f +	180	Aug. /42	" " " b	220 - 247	
"	" ♂ b	247	June 28/39	" " " a - b	240	June 11/39
"	<i>jonellus</i> K. ♂ f	175	" 11/39	" " " b	255	11/39
"	" ♀ bb	233	" 28/39	" " " cl -	233	May 31/41
"	" a +	227	July 7/40	" " " bb	227 - 247	July 14/41
"	<i>pratorum</i> L. ♂ f# +	190	Aug. 18/39	" " " (5) .. a + - b	208 - 220	22/41
"	" ♂ (5) f + - f# +	180 - 190	June 11/39	" " " g# - a	(see p.27, 35, 47, 53)	43 - 47
"	" f	175	" 15/39	" " " (see p.27, 35, 47, 53)	247 - 277	June 20/44
"	" f	185	" 18/41	" " " b - c		
"	" f#	175	Aug. /42			
"	" (big) g +	202	June 13/39			
"	" (small) g# - a	208 - 220	" 28/39			
"	" g#	208	Aug. 8/39			
"	" bb	233	" 8/39			

Terebrantia

<i>Amblyjoppa proteus</i> CHR. ♂ ..	D# - E	78 - 82	March 1/47
"	E	82	Aug. 23/46
" (2)	D# - E	78 - 82	Apr. /47

<i>Protichneumon fuscipennis</i>	
WESM. G	98
<i>Coelichneumon comitator</i> L. ... B	123
" <i>fusipes</i> GM. ... G	98
<i>Melanichneumon saturatorius</i>	
L. ♂ G#	104
" ♂♂ (2) B	123
" ♀ A	110
<i>Barichneumon</i> sp. c# - d	139 - 147
<i>Ichneumon extensorius</i> L. ... B	123
" .. B	123
<i>Ctenichneumon melanocastanus</i>	
GRAV. B	123
<i>Hemiteles cinctus</i> L. ♀ f	175
<i>Perithous mediator</i> F. ♀ G	98
<i>Delomerista laevifrons</i> THS. ♀ F	87
<i>Coccygomimus turionellae</i> L. ♀ F#	93
<i>Apechthis compuncitor</i> L. ♂♂ F#	93
" " ♀♀ E - F#	82 - 93
" " ♀ F+ .. F#	90
" " F#	93
<i>Alloplasta piceator</i> THNB. G	98
<i>Mesochorus fulgorans</i> CURT. F# - G	93 - 98
" <i>stigmator</i> THNB. (11) B# - B	117 - 123
" <i>vitticollis</i> HGR. (2) .. G - A	58
<i>Ophthalmochorus melanocephalus</i> HAB. ♀ C	65
" B ₁	62
<i>Exenterus marginatorius</i> F. ... A	110
<i>Protarchus testatorius</i> THNB. E - F	82 - 87
<i>Alexeter nebulator</i> THNB. B ₁ b	82 - 87
" E - F	104
<i>Mesoleius aulicus</i> GRAV. G#	52
<i>Opheltes glaucopterus</i> L. G ₁	55
" A ₁	82
<i>Absyrtus luteus</i> HGR. ♂ E	73
" ♀ D	55
" (see p. 27)	55
<i>Parabatus cristatus</i> THS. A ₁	55
<i>Paniscus fuscicornis</i> HGR. ♂ F	87

<i>Paniscus opaculus</i> THS. ♀♀ .. E _b	78	Aug.	11/42
" ♀ .. E	82	"	14/42
" " C# - D	69 - 73	"	24/42
" ♀ .. C# - D	69 - 73	Sept.	2/42
" " C#	69	Aug.	30/43
" " ocellaris THS. C#	69	"	17/39
" " D	73	"	6/40
<i>Enicospilus ramidulus</i> L. ♀ .. C#	69	"	17/39
" " merdarius			
GRAV. ♂ .. E	82	July	14/41
" " ♀ B ₁	62	Aug.	22/42
<i>Ophion distans</i> THS. B ₁	62	"	26/42
" " B ₁ b +	58	"	9/40
" " A ₁	60	"	13/40
" " A ₁	55	"	25/42
" " B ₁	62	Aug.	14/39
" " B ₁	62	"	17/39
" " A ₁	55	"	20/42
" " A ₁	55	"	21/42
" " A ₁	55	"	25/42
" " C-	64	July	29/45
" luteus & distans (25) A ₁ ±	55±	Aug.	26/42
" spp.	(see p. 46)		
<i>Agrypon anxium</i> WESM. D - E	73 - 82	March	16/41
<i>Campoplex nitidulator</i> HGR. c	131	June	23/42
" <i>pugillator</i> L. ♀ .. E	82	Aug.	31/42
" <i>maclator</i> FÖRST. G	98	Apr.	1/47
<i>Rhogas praetor</i> REINH. D#	78	March	3/47
<i>Spathius exarator</i> L. ♀ c	131	June	12/41
<i>Phanerotoma dentata</i> PZ. B	123	Aug.	31/43
<i>Pygostolus falcatus</i> NEES. F#	93	"	31/43
<i>Microgaster</i> sp. ♂, ♀ c	131	Feb.	1/47
Apanteles sp. ♂, ♀ (see p. 80)		June	11/43
" sp. ♂, ♀		July	22/46
<i>Macrocentrus collaris</i> SPIN. ♀ G - A	98 - 110	Aug.	21/42
" <i>marginator</i> NEES. ♀ F#	93	"	15/39
<i>Zemiatius chrysophthalmus</i> NEES. ♀ G	98	"	15/39
<i>Meteorus minutus</i> THNB. B	123	"	31/43

<i>Meteorus</i> sp.	G#	104	Aug.	4/43	ODONATA						
<i>Gasteruption thomsoni</i> SCHLETT. c - c#		131 - 139	July	25/42							
<i>Proctotrupes gladiator</i> HAL. .. G	98		Sept.	2/46	<i>Aeschna juncea</i> L. ♀ G ₁ #	35	Sept.	1/42			
<i>Chalcidae</i> sp.	c	131	May	2/43	<i>Sympetrum vulgatum</i> L. ♂ .. F ₁ # - G ₁ #	46 - 52	"	1/42			
HEMIPTERA						" flaveolum L. ♀ .. D ₁	37	"	1/42		
Heteroptera						" danae SULZ. ♂ .. D ₁ # - E ₁	39 - 41	"	1/42		
						" "	D ₁	37	"	1/42	
<i>Phytocoris pini</i> KBM.	B _b	117	Aug.	21/42	BLATTARIA						
<i>Rhinocoris annulatus</i> L.	c#	139	June	14/42	<i>Ectobius lapponicus</i> L. F ₁	44	June	30/43			
<i>Mesocerus marginatus</i> L.	B _b - B ..	117 - 123	July	14/41	COPEOGNATHA						
" "	B	123	May	23/43	<i>Psocus nebulosus</i> STEPH. C	65	Aug.	11/42			
<i>Stictopleurus abutilon</i> ROSSI..	c#	139	June	24/42	" gibbosus SULZ. C	65	"	6/46			
<i>Chlorochroa pinicola</i> MULS.R. G	98	"	21/41	THYSANOPTERA							
<i>Carpocoris purpureipennis</i>				<i>Taeniothrips atratus</i> HAL. .. g# - a	208 - 220	Aug.	25/42				
DEG. ♂	B _b	117	"	28/41	NEUROPTERA						
<i>Dolycoris baccarum</i> L. ♂	B _b -	116	"	18/41	<i>Chrysopa carnea</i> STEPH. A ₂	28	June	2/41			
" "	B	123	May	30/41	MECOPTERA						
<i>Eurydema oleraceum</i> L. ♂ ..	c#	139	June	13/41	<i>Panorpa communis</i> L. ♂ .. G ₁ - G ₁ #	49 - 52	July	21/42			
" "	B	123	Aug.	22/42	" "	G ₁	"	21/42			
<i>Elasmucha grisea</i> L.	B	123	"	31/42	TRICHOPTERA						
<i>Elasmostethus interstinctus</i> F.				<i>Leptocerus nigronervosus</i> RETZ. F ₁ #	46	May	24/43				
♂ (2)	F-	85	"	18/39	<i>Phryganea obsoleta</i> HAG. E ₁	41	Aug.	14/42			
Homoptera						<i>Limnophilus rhombicus</i> L. .. B ₂	31	"	16/42		
<i>Psyllidae</i> sp.	c	131	Apr.	19/43	" extricatus McL. E ₁	41	"	25/40			
" "	B	123	"	19/43	COLEOPTERA						
<i>Cryptomyzus galeopsisidis</i> KALT. E - F		82 - 87	Aug.	6/42	<i>Cicindela campestris</i> L. E - F	82 - 87	May	16/43			
EPHEMERIDA						<i>Necrophorus investigator</i> ZETT. E _b	78	Aug.	10/39		
<i>Leptophlebia marginata</i> L. ♂ F ₁		44	May	21/43							
<i>Caenis horaria fennica</i> ARO.. d#		156	Aug.	5/42							
" " " .. d# - e		156 - 165	"	16/42							
PLECOPTERA											
<i>Nemura variegata</i> OLIV. A ₂		28	May	16/43							
" " F ₁		44	"	23/43							

<i>Necrophorus investigator</i> ZETT. C#	69	Aug.	15/39	<i>Amphimallon solstitialis</i> L. ... E-	80	July	14/41
" " C	65	"	17/39	<i>Melolontha hippocastani</i> F. ... B ₁ b-	57	May	30/39
" " C	65	"	20/39	" " B ₁ b	58	June	9/41
" spp. F - G	87 - 98	June	15/39	" " B ₁	62	May	22/43
" " E _b +	80	Aug.	15/39	<i>Trichius fasciatus</i> L. B _b -	116	June	29/39
" " E	82	"	16/39	" " B _b -	116	July	14/41
" " C _# +	71	"	18/39	" " B _b	117	"	30/42
" " C -	64	"	19/39	" " B _b	117	Aug.	1/42
<i>Thanatophilus rugosus</i> L. ... F _#	93	Sept.	15/42	<i>Cetonia aurata</i> L. G	98		39-40
" " F _# - G	93 - 98	"	26/42	" " G - G _#	98 - 104	June	13/39
<i>Oeceoptoma thoracicum</i> L. E _b	78	"	39-41	" " G +	101	July	1/39
" " E _b	78	June	20/41	" " G	98	June	5/41
<i>Ontholestes tessellatus</i> FRC. ... F	87	Aug.	24/42	" " A	110		29/41
<i>Creophilus maxillosus</i> L. G	98	"	24/42	" " G _# +	107	July	14/41
<i>Hister unicolor</i> L. B _b	117	May	23/43	" " G +	101		14/41
<i>Geotrupes stercorarius</i> L. F	87	June	11/39	" " G	98		14/41
" " F -	85	"	6/41	" " B _b -	115		14/41
" " D	73	"	/41	" " F _# +	93		14/41
" " D	73	Aug.	1/41	<i>Potasia cuprea metallica</i> HBST. A +	112	Aug.	17/40
" " E _b	78	"	21/42	" " A	110	July	14/41
" " F	87	"	21/45	" " B _b -	115		14/41
" " D - F	73 - 87	"	/46	" " G _# +	107		14/41
" " stercorarius SCR. ... F -	85	June	27/39	" " A	110		14/41
<i>Aphodius subterraneus</i> L. ... B _b	117	Apr.	26/43	<i>Systenocerus caraboides</i> L. ... C _#	69	May	23/43
" fossor L. F +	90	July	10/40	<i>Sinodendron cylindricum</i> L. ... D	73	June	12/43
" rufipes L. G ₁ # -	51	Aug.	15/39	<i>Dermestes lardarius</i> L. G _#	104	June	11/41
" G ₁ # -	51	"	16/39	" " A	110	May	22/43
" G ₁ -	48	"	6/40	" " A	110		23/43
" G ₁ - G ₁ #	49 - 52	"	9/40	" " G _#	104		23/43
" G ₁ #	52	"	15/40	<i>Attagenus schaefferi</i> HBST. e _b	156	June	12/41
" A ₁ +	56	"	16/40	" " f	175		13/41
" G ₁ #	52	"	5/42	<i>Cantharis rustica</i> FALL. ... E	82		14/42
" conspurcatus L. ... C _#	69	Oct.	4/42	" " E	82		11/43
" fimetarius L. D	73	Apr.	23/43	" " spp. (see p. 27)			20/44
" (2) E	82	"	26/43	<i>Corymbites castaneus</i> L. G	98	May	28/41
<i>Sericia brunnea</i> L. B ₁ +	63	July	28/39	<i>Buprestis haemorrhoidalis</i> HBST. A	110	Aug.	5/42
" B ₁ b	58	Aug.	17/39	<i>Ptilinus fuscus</i> GEOFFR. ... c	132	June	12/41
" B ₁ b	58	"	18/39	<i>Triplax aenea</i> SCHALL. A	110	Aug.	13/42
" C	65	July	18/43	<i>Coccinella septempunctata</i> L. ... C	65	"	12/42
<i>Amphimallon solstitialis</i> L. ... D +	75	"	13/41				

<i>Coccinella septempunctata</i> L. C	65	Aug.	31/42	<i>Tabanus tropicus</i> Pz. ♀	.... e	165	June	28/41
" (2) C	65	Sept.	1/42	" "	f#	185	July	13/41
" <i>quinquepunctata</i> L. E - F	82 - 87	July	25/42	" "	e#	156	"	14/41
" " F	87	Aug.	24/42	" <i>bromius</i> L. ♀	.... eb	156	"	13/41
" " F# - G	93 - 98	"	25/42	" <i>bovinus</i> L. ♀	.... c	131	"	19/41
<i>Thea</i> 22-punctata L. E	82	Oct.	7/42	" " ♀	.... c	131	June	30/43
<i>Calvia</i> 14-guttata L. F#	93	Sept.	2/42	<i>Haematopota pluvialis</i> L. ♀♀	B - c	123 - 131		40-43
<i>Tenebrio molitor</i> L. B ₁	62	July	28/39	" "	eb	156	July	13/41
<i>Criocephalus rusticus</i> L. B ₁	62	Aug.	23/42	" "	f#	185	"	13/41
<i>Rhagium</i> sp. E	82	May	24/43	" " ♀♀	f#	139	"	13/41
<i>Pachyta quadrimaculata</i> L. ... F-	85	July	14/41	" " ♀	B	123	"	15/42
" " (2) E	82	"	14/41	<i>Psilocephala eximia</i> Mg. E		82	June	9/41
" " " E - F	82 - 87	Aug.	19/42	<i>Scenopinus niger</i> DEG. (slow) f#		139	"	13/41
" " <i>bimaculata</i>				" (fast) g		196	"	13/41
SCHÖNH. E	82	"	31/42	" <i>fenestralis</i> L. a		220	"	11/41
<i>Leptura rubra</i> L. ♂ F	87	July	21/42	" " g#		208	"	13/41
" " ♀ E	82	"	21/42	<i>Laphria flava</i> L. ♂	.... f+	180	July	21/42
<i>Strangalia quadrifasciata</i> L. ... E +	84	"	14/40	" " "	eb-	152	"	21/42
" " F	87	"	21/42	" " "	B - c	123 - 131	June	19/44
" " E	82	"	30/42	" " ♀	c#	139	"	20/43
<i>Necydalis maior</i> L. C#	69	"	21/43	<i>Neotitamus cyanurus</i> Mg. e - f		165 - 175	July	14/41
<i>Callidium violaceum</i> L. C# - D	69 - 73	June	5/44	<i>Bombylius major</i> L. ♂ b - c ¹		247 - 262	Apr.	23/43
<i>Acanthocinus aedilis</i> L. ♂ ... C	65		/46	" " ♀	bb - b	233 - 247	May	31/41
<i>Saperda carcharias</i> L. ♂ ... B ₁ b +	60	Aug.	16/39	" " "	a - bb	220 - 233	"	31/41
" " " A ₁	55	"	31/43	" " "	bb	233	Apr.	22/43
" " " A ₁	55	July	27/45	" " "	(slow) e - f	165 - 175	"	22/43
" " <i>scalaris</i> L. ♂ B ₁ b	58	"	12/41	" " " minor L. ♀	.... f ¹	349	July	27/43
<i>Donacia aquatica</i> L. G - G#	98 - 104	May	20/43	<i>Anthrax anthrax</i> SCHRK. B - c		123 - 139	Aug.	20/42
<i>Melasoma populi</i> L. B ₁	62	Aug.	12/42	" " " c#		139	May	30/44
DIPTERA				<i>Hemipenthes maurus</i> L. G#		104	June	24/42
Brachycera				" " d		147	"	21/43
<i>Chrysops caecutiens</i> L. ♀ ... c#	139	July	30/42	<i>Empis livida</i> L. c		131	July	7/43
" <i>pictus</i> Mg. ♀ ... d - e	147 - 165	"	14/41	" " "	d	147	Aug.	7/46
<i>Heptatoma pellucens</i> F. ♀ ... f#	185		/42	<i>Ischyrosyrphus glaucius</i> L. ♀				
" " (2) e - f	165 - 175	July	6/43	<i>Epistrophe lasiophthalma</i> ZETT. ♂ c#		139	Apr.	19/43
<i>Tabanus tropicus</i> Pz. ♀ ... f#	185	"	10/40	" " f - g#		175 - 208	May	24/43
				<i>Leucozona lucorum</i> L. ♂ g		196	June	15/41
				<i>Syrphus ribesii</i> L. ♀ f		175	"	13/41
				" " " g# - a		208 - 220	"	26/41
				" " " arcuatus FALL. ♀♀ c - g		131 - 196	Apr.	24/43

<i>Sphaerophoria scripta</i> L. ♀ .. d ¹	294	Aug.	24/42	<i>Neuroctena anilis</i> FALL. B	123	July	23/42
<i>Chrysotoxum bicinctum</i> L. ♂ g	196	June	24/42	" " B	123	Aug.	30/42
<i>Volucella pellucens</i> L. ♂ g	196	July	15/41	<i>Tephroclamys flavipes</i> ZETT. ... B	123	Oct.	7/42
" (see p.46-48)				<i>Drosophila melanogaster</i> (MG.) (see p.27ff.)			
<i>Volucella bombylans</i> L. ♀ .. eb - e	156 - 165	June	29/39	" <i>funebris</i> F. e+	170	July	17/41
" " d+	150	Aug.	9/40	" " (see p.27)		May	17/44
<i>Eristalis oestracea</i> L. (5) g - g#	196 - 208	May	21/43	<i>Borborus ater</i> MG. c	131	Apr.	24/43
" " e - f	165 - 175	"	21/43	<i>Hippobosca equina</i> L. A	110	Aug.	20/42
" " g	196	"	23/43	<i>Cephenomyia ulrichi</i> BRAUER d	147	"	19/42
" <i>cryptarum</i> F. ♂ g - g#	196 - 208	"	21/43	" d	147	"	/46
" <i>anthophorina</i> FALL. ♂♂ b - c ¹	247 - 262	"	21/43	<i>Pegomyia rufina</i> FALL. a	220	Aug.	20/42
" <i>intricaria</i> L. ♂♂ .. bb	233	"	21/43	<i>Limnophora humilis</i> ZETT. (3) e - f	165 - 185	Oct.	3/42
" <i>arbustorum</i> L. ♂ (slow) g	196	Aug.	8/40	<i>Fannia canicularis</i> L. e - g#	165 - 208	July	22/42
" ♂ (hovering) (3) d ¹ +	300	May	30/41	" (2) .. d - g	147 - 196	Sept.	1/42
" " " c ¹ #	277	"	30/41	<i>Pseudophaonia albolineata</i>			
" " " (see p.39)		Aug.	27/43	.... d - bb	147 - 233	June	24/44
" " ♀ " g	196	June	3/41	<i>Stomoxys calcitrans</i> L. c - g	131 - 196	July	22/42
" <i>tenax</i> L. eb - f	156 - 175	Sept.	6/43	<i>Graphomyia maculata</i> Sc. f - g#	175 - 208	Aug.	31/42
" (1) f, e-, c#	175, 161, Aug.	30-	" <i>aenescens</i> RD. (3) .. g	196	"	19/42	
" " nemorum L. ♂♂ (hov.) d ¹ - e ¹ b	294 - 311	July	21/42	" <i>hortorum</i> FALL. bb	233	July	10/40
" " ♀ a	220	"	21/42	" " f#	185	Aug.	22/40
" " ♀ bb	233	Aug.	20/42	<i>Muscina assimilis</i> FALL. c - f	131 - 175	Sept.	1/42
" <i>horticola</i> HEG. ♂♂ .. b - c ¹	247 - 262	"	25/42	<i>Musca autumnalis</i> DEG. a - bb	220 - 233	Aug.	19/42
" " ♂ .. bb - c ¹ #	233 - 277	"	8/43	" " (see p.27)		"	9/45
<i>Myiatura florea</i> L. ♀ bb-	227	"	8/40	" <i>domestica</i> L. e	165	"	39-40
<i>Helophilus trivittatus</i> F. ♀ .. g# - bb	208 - 233	"	20/42	" " d - g	147 - 196	Aug.	29/40
" affinis WAHLB. ♀ b	247	June	12/43	" " g# - a	208 - 220	June	9/43
" pendulus L. ♀ .. e ¹	330	July	29/43	" " (see p.27)			/44
<i>Sericomyia borealis</i> FALL. ♂ d	147	Aug.	7/46	<i>Mesembrina meridiana</i> L. e	165	Sept.	2/42
<i>Cynorrhina fallax</i> L. ♀ f	175	June	24/42	<i>Pollenia rudis</i> F. g - bb	196 - 233	Aug.	19/42
<i>Temnostoma vespiforme</i> L. .. d	147	Aug.	7/43	<i>Boreellus terraenovae</i> RD. bb	233	"	4/40
" apiforme F. g - bb	196 - 233	"	20/42	" " bb-	227	"	11/40
<i>Conops quadrifasciatus</i> DEG. ♀ g	196	"	16/39	" " (see p.27, 35, 47)			
" " " g	196	"	7/43	<i>Lucilia caesar</i> L. (2) bb - c ¹ #	233 - 277	Aug.	14/39
<i>Seoptera vibrans</i> L. ♀ f# - g	185 - 196	July	19/43	" " b - c ¹	247 - 262	"	25/42
<i>Myiolia caesio</i> HARR. B - c	123 - 131	Aug.	13/42	<i>Calliphora erythrocephala</i> Mg. f#	185	"	21/40
<i>Lonchaea zetterstedti</i> BECK. ... f#	185	"	4/40	" " f# - g	185 - 196	July	22/40
<i>Sepsis orthocnemis</i> FREY a	220	Apr.	23/43	" " (5) A - e	110 - 165	Sept.	1/42
				" " (see p.50)			1/42
				<i>Cynomyia mortuorum</i> L. B +	127	June	13/41

<i>Ocyptera brassicaria</i> F. e	165	Aug.	20/42	<i>Liogma glabrata</i> WIED. ♀ .. B ₁ b - B ₁	58 - 62	July	23/42
<i>Miltogramma oestraceum</i> FALL. f ¹	349	July	15/42	<i>Dicranomyia stigmatica</i> Mg. ♀ C	65	Aug.	31/42
<i>Amobia signata</i> Mg. e ¹	311	"	13/41	<i>Rhipidia maculata</i> Mg. ♀ .. B ₁	62	"	16/42
<i>Sarcophaga striata</i> F. f - g [#]	175 - 208	Aug.	19/42	<i>Limnobia 4-maculata</i> L. ♀ .. A ₁	55	"	22/42
" <i>carnaria</i> L. f - a	175 - 220	"	20/42	<i>Crypteria limnophiloides</i>			
" <i>subvicina vulgaris</i>				BERGR. ♀ .. E	82	"	24/42
" ROHD. c - d	131 - 147		41-42	<i>Rhypus punctatus</i> F. ♂ .. A	110	"	16/42
<i>Myiocera ferina</i> FALL. d - e	147 - 165	Aug.	20/42	<i>Mycomyia</i> sp. ♂ .. F	87	Oct.	7/42
<i>Exorista confinis</i> FALL. f ¹	349	July	27/43	<i>Sciophila limbarella</i> ZETT. e - c [#]	131 - 139	Aug.	6/42
<i>Hemimasicera vicina</i> ZETT. f - f [#]	175 - 185	Aug.	10/46	<i>Coelosia</i> sp. G	98	Oct.	7/42
<i>Bothria subalpina</i> VILL. e - g	165 - 196	Apr.	23/43	" <i>tenella</i> ZETT. ♂ .. d [#] - e	156 - 165	Aug.	21/42
<i>Wirthemia 4-pustulata</i> F. ♂ (2) c ¹ # - d ¹	277 - 294	July	21/43	<i>Erechia</i> sp. b _b	233	Sept.	14/42
" " ♀ (2) b _b - c ¹	233 - 262	"	21/43	<i>Mycetophila ocelus</i> STAEG. ♀ d	147	Apr.	24/41
" " ♀ f ¹	349	"	27/43	" <i>fungorum</i> DEG. ♀ c	131	Sept.	1/42
<i>Tachina rustica</i> FALL. f [#]	370	"	10/40	<i>Sciara thomae</i> L. (5) B	123	July	24/42
<i>Echinomyia magnicornis</i> ZETT. g	196	Aug.	20/42	" (<i>Lycoriella</i>) sp. d [#] - e	156 - 165	Aug.	6/42
Nematocera							
<i>Trichocera hiemalis</i> DEG. F	87	June	2/41	<i>Bibio pomonae</i> F. ♀ .. F [#]	93	"	5/42
<i>Tipula rubripes</i> SCHUMM. ♀ F ₁ #	46	"	28/41	" <i>clavipes</i> Mg. ♂ .. B _b	117	Sept.	1/42
" <i>excisa</i> SCHUMM. ♂ .. G ₁	49	"	12/41	" .. A - B	110 - 123	Oct.	3/42
" " ♀ .. G ₁	49	"	12/41	<i>Scatopse</i> sp. b	247	June	11/41
" <i>scripta</i> Mg. ♀ .. G ₁ #	52	Aug.	25/42	<i>Psychoda phalaenoides</i> L. (3) d - e	147 - 165	Aug.	5/42
" <i>lateralis</i> Mg. ♂ (3) C - C [#]	65 - 69	June	11/41	<i>Mochlynx culiciformis</i> DEG. ♂ b ¹ - c ²	494 - 523	June	12/41
" " ♀ .. E _b	78	"	11/41	<i>Anopheles maculipennis</i> Mg. ♂ e ¹	330	Aug.	13/42
" <i>oleracea</i> L. ♀ .. E ₁	41	Oct.	5/42	" ♀ b _b - b	233 - 247	"	/40
" <i>lunata</i> L. ♀ .. G ₁	49	July	23/42	" b	247	July	6/40
" <i>selene</i> Mg. ♀ (see p. 46) G ₁	49	June	18/43	" g	196	June	3/41
" <i>fascipennis</i> Mg. ♂ .. F ₁ +	45	Aug.	18/42	" a - b _b	220 - 233	"	3/41
" sp. ♂♂, ♀♀ (5) (see p. 27)		June 11 - 13/44		" b _b - b	233 - 247	July	14/41
<i>Pachyrhina crocata</i> L. ♂ .. B	123	"	13/43	" g [#]	208	Aug.	22/41
" " ♀ .. G - G [#]	98 - 104	"	18/39	" e	165	Oct.	7/42
" " F - F [#]	87 - 93	"	15/43	" 16/40			
" <i>lunulicornis</i> SCHUMM. ♀ G [#] - D	69 - 73	Aug.	14/39	<i>Theobaldia bergrothi</i> EDW. ♂ a ¹ - b ¹	440 - 494	Aug.	21/42
" <i>analis</i> SCHUMM. ♂ .. B ₁	62	"	20/42	" alaskaensis LUDL. ♂ .. g ¹ # - b ¹ b	415 - 466	"	25/42
" <i>cornicina</i> L. ♂ .. E	82	"	23/42	" ♀ .. f - g [#]	175 - 208	Sept.	1/42
" <i>lineata</i> Sc. ♀ .. F	87	July	14/41	" b _b	233	Apr.	22/43
<i>Xiphura nigricornis</i> Mg. ♀ .. C [#] - D	69 - 73	June	15/44	" b _b	233		23/43
" " .. C [#] - D	69 - 73	"	26/44	" morsitans THEOB. ♂ .. f ¹ # - g ¹	370 - 392	Aug.	12/42
				" ♂ (2) c ¹ - c ¹ #	262 - 277	Oct.	5/42
				" (2) b	247	"	8/42
				" ♀ g - a	196 - 220	June	3/41
				<i>Aedes cantans</i> Mg. ♂ .. d ^a	587	"	12/41

<i>Aedes cantans</i> Mg. ♀	c ¹ #	277	June	23/42	<i>Smittia aterrima</i> Mg. ♂	e ² - f ²	659 - 698 Aug.	6/42
" "	"	e ¹ b	311	23/42	<i>Endochironomus tendens</i> F.			
" "	?	b	247	Oct.	♂♂ (2) b ¹ b	466	"	5/42
" " <i>nemorosus</i> Mg. ♀	f ¹ - f ¹ #	349 - 370	June	23/42	♀♀ (2) bb	233	"	5/42
" " <i>punctor</i> K. ♂	c ²	523		2/41	<i>Glyptotendipes pallens</i> Mg.			
" " (fixed)	a ¹ - e ¹	440 - 330		2/41	<i>glaucus</i> Mg. ♂ g ¹ - c ²	392 - 523 Aug.	12/39	
" " ♀	c ¹ # - d ¹ #	277 - 311		2/41	" "	466	12/39	
" "	c ¹	262		9/42	" "	233 - 247	12/39	
" "	b	247		12/41	" "	240	"	25/40
" ? ♀ (4)	b	247	Oct.	7/42	<i>Chironomus plumosus</i> L. ♂♂ (2) g ¹ #	415	7/40	
<i>Culex pipiens</i> L. ♀	e - f	165 - 175		1/42	" (2) g ¹ - a ¹	392 - 440	"	7/42
<i>Culicidae</i> spp.	g	196		7/42	" ♂ a ¹ ±	440±	"	25/40
(see p. 27, 32, 46-47)					" " d ¹ - e ¹	294 - 330 May	21/41	
" ♂	c ²	523	May	29/41	" " a ¹ - b ¹	440 - 494 Aug.	16/42	
" "	b ¹ - c ²	494 - 528	June	11/41	" " e ¹ - b ¹	330 - 494 July	29/45	
" " ♀	d ¹ - f ¹	294 - 349		11/39	" ♀ (2) c ¹ #	277 Aug.	16/39	
" "	e ¹ b +	321	July	7/40	" g	196	12/42	
" "	d ¹ +	303	Aug.	13/40	<i>luctuosus</i> STORÅ ♂ g ¹ # - b ¹	415 - 494	"	6/40
" "	e ¹ +	340	June	11/41	♂♂ (2) d ¹ - d ¹ #	294 - 311	"	11/42
" "	e - f	165 - 175		24/41	<i>Cryptochironomus</i> sp. ♂	c ² # - d ²	.554 - 587	16/39
" "	f ¹	349		23/42	" ♂ c ² - d ²	523 - 587	"	17/39
" "	f ¹	349	July	20/42	<i>Polypedilum nubeculosum</i> Mg.			
" "	d	147	Oct.	8/42	♂ a ¹ - c ²	440 - 523 Aug.	5/42	
<i>Procladius choreus</i> Mg. ♂ (fixed) b ¹ - b		233 - 247	June	2/41	♀ g ¹	392	5/42	
" ♂ (2)	e ¹ b	311	Aug.	13/42	" " ♀ c ¹ # - d ¹	277 - 294	"	5/42
<i>Ablabesmyia monilis</i> L. ♂	a ¹ - b ¹	440 - 494			" c ² - d ²	523 - 587	"	5/42
" "	♀	262 - 277		6/42	<i>Tanystarsus</i> sp. ♂	b ² - c ³	988 - 1046 July	29/43
<i>Cricotopus</i> sp. ♂	d ²	587	June	12/41	" ♀	a ¹	440 June	11/41
" <i>bicinctus</i> Mg. ♂	e ² b	622	Aug.	16/42	" " " WINN. ♂♂ (2) f ² - f ² #	698 - 740 Aug.	6/42	
" "	♀	311 - 330		6/42	<i>Culicoides obsoletus</i> Mg. ♂	a ¹	440	16/42
" " <i>tibialis</i> Mg. ♂	d ² # - e ²	622 - 659	July	22/42	<i>Simuliidae</i> spp. ♀	g - g ²	196 - 208 June	18/39
<i>Psectrocladius</i> sp. ♂	c ² - d ²	523 - 587	Aug.	6/42	" "	e +	170 Aug.	31/42
<i>Orthocladius xanthogyne</i> EDW.					" "	a	220 Sept.	1/42
♂♂ (4)	g ² - g ² #	784 - 831	July	22/42	" "	g	196 Oct.	9/42
<i>Limnophyes pusillus</i> EAT. ♂ f ² # - g ²		740 - 831		22/42				