Vol 6

G. W. Stelfox & Daisy

1934-1935

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1934.

January opened very stormy with barometer near
over 30 until the 18th, then rose suddenly.

On 16th. a Snowdrop in the back garden (planted
in autumn of '932!) flowered, but there in front
garden very backward.

A single brown flower appeared about 23rd Jan. but
owing to sunless weather did not actually open
until 31st, when the Snowdrop in the front garden
also produced flowers. This brown was one of the old
ones beside path to front gate. Daisy & George
found a single flower on the island in the
Dodder on 24th Feb. ready to open.

February opened very mild & misty, with barometer
steady between 30.0 & 30.4.

28th Jan. 1934. George & I walked from Bray to Greystones, over
Bray Head. Then drove in car to Kilpedder, Co. WI, where
turned & drove home. In field near Kilpedder examined some
bores stems of thistle (*C. arvensis*) which contained several larvae
of microlepidoptera (?), one of which seemed "ickad": brought home
& put in pot in water bowl. Also found in stem dead remains
of a ♀ sawfly: -

On 15.6.34. a ♀ *Phaen. irregularis* found in pot with
fallen sawfly & larvae on stem of thistle
stem. A. 11.5.

22 Feb 1934. A gloom day, after a few dull ones.
M.D.S. saw Tortoiseshell Butterfly in garden
sunning itself & flying, about 2-30 P.M.
Almond tree in Kewinorth Square open & first
flowers.

25 Feb 1934. A clear cold day, with rising glass,
after a slight depression. Wind (NW) very keen, but almost
all sunny. No willow seen out: one near, out at bridge.
Drove to Collieston station & collected in marsh
at SW corner of the ^{railway} bridge, which stands in Co. WI.
Most insects taken by pulling up dead grass, weeds, &
in marsh & shaking on sheet, but a few taken by sweeping
along foot of ^{road} railway embankment, including a Myrmica,
3 Psyllids (taken in one sweep) & a ♂ Aphidius & a ♀ Hemiteles.
Hemiteles 1 small ♀ swept
Pezomachus 3♀♀, 2♀♀, shaken.
Blacus ruficornis 2♀♀ by shaking. 1 ♂ ruficornis & 1 ♂
Aphidius 4 ♂♂.

Psyllids 3♀♀ taken by sweeping embankment grass
& on the 1st killed at once.

Chalcids 1 ♂ killed at once.

[23 & 24 CW Allen saw four ♀♀ Bombus terrestris at flowers of
Pulsatilla near Kewinorth, Co. WI, the morning!]

28 Feb 1934. A dry day with some S.W. wind.
Little sun in afternoon.

Drove to Ennistown, Co. WI., & walked a mile up glen
to open ground & the cliff.

Pezomachus 1♀ } Shaken out of dead leaves near
Stromness creek, 1♀ } the iron post.

One or two caddis out on big willow (which grows
on face of sand cliff, but no trees seen).

28 Feb 1934. First flower on Chionodoxa - 1st flower.

3rd March 34. A white & frosty morning. Drove out to
Garden wide path. Daffodils - first garden out on 1st March.

4th March 1934. Showery, chilly & strong W. wind.
Drove with George & C.W. Allen through Slieve Donard
& via Knockmore & Luncarty to Luncarty. Stopped at
several sandpits but saw nothing out, as they
show some on foot as we reached Knockmore.

7th March 1934. A cold day, but sun, but showers from W.
in afternoon. Drove to Slieve Donard, over Grand Canal, to
Lyons House, Co. KB. & walked along W. side of canal for 1/2 mile to
Quint near pond for sweeping, several willows (not out) & some for
beetles. Beat on 1st out of grass, but lot was caused it to fly away: it
may have been a small Pimpla maculata ♀, but I could not be sure.

11th March 1934. Cold & wet all day.

15th March 1934. Cold, stormy in morning. Fine in afternoon, sun, stormy.

Met Farrington at Glenmore Castle, Derris Glen & explored woods on that side of the glen. One ♀ *Pimpla maculata* taken out of rotten fir on avenue. Saw splendid ground for future work & having been introduced to Miss Smith who runs the garden, I am so keen to go.

17th March 1934. Cold, stormy & blowing.

Went in afternoon to Breda Glen, Roskilde Co. Dublin. Nothing seen.

18th March 1934. Cold & stormy (W-NW) with rising glass. Almost all sunny. Down to sulphur mine at Arara, Co. Wicklow, but the only hymenoptera taken were two *Gyrinus* beetles of Scots Fir & Gorse. One small (? Aphidid) seen on branch paper, just as it flew away. Nothing taken by sweeping & with

18/3/34 cont

not nearly in flower at this place.

On way down in morning also called at Ballyhenry Marsh, but nothing seen or taken by sweeping.

At Arara some *Coronilla* beetle of Scots Fir & Gorse & then brought home in case they were parasitized by *Perilitus*, as one taken last year by A.M. Gwynne was strong, but parasite died in cocoon. Also a few *Hemiptera*.

Later out of gorse & fir.

Willows out at fork of road to Ballyhenry & old bushes out here & there en route, as at Kilmacurige.

23rd March 1934. *Anemone hepatica* out in front garden: ? late owing to early light.

24th March 1934. *Andrena* *hypocrita* here ? 1 ♀ taken in garden. Pupae gathered by E. O'Malley at Gleadale (Birr Forest), Co. Dublin, in August 1933 & from which many beetles - *Andrena* *hypocrita* - had already & were still emerging. O'Malley thinks the *Andrena* must have been parasitized or *Andrena*. A.W.S.

25th March 1934. A glorious morning, with westerly breeze & no clouds: very mild; but a chilly S.E. wind springing up at 10 AM brought on the usual "jam" & after 2 pm. a constant drip. No sun after 10 o'clock.

Drove to Liffey & down valley to Tankardstown Bridge. Stopped at roadside at Ardara, but nothing seen except for some show of white & purple *Vicia odorata*. Also stopped previously at willows in thorn on roadside (1) N. of Kell, Co. KD, where are *Bombus* (probably *lucorum*) & hundreds of *Apis*; & (2) S. of Kilkenny but nothing seen here at all. Primrose in ditch near Kilkenny & Violets, visible all the way. All *V. odorata*!

Below Tankardstown Bridge, west of river, Co. QC swept one ♀ *Aphidius* in reed bed & one ♀ *Homocidus* off ivy on abutment of bridge. Also took some beetle, *Trichostema viridula* (x. common) & small *Zonitoid*. *nitidus* more common than I have ever seen it. *Bombus lucorum* ♀ seen on willows & other trees.

Later drove on to Castlebliss, via Moyney, & back via Kilkenny deer park, Co. KD. where stopped for half an hour at Beat Spruce & Silver Fir. One small ♀ *Pimpla maculator* taken out of latter (not kept). Then home via Liffey & Kilkenny.

No bliff-chaff heard! - Some willows well out!

28th March 1934. The third sunny day in succession, but strong bitter E. wind.

Garden at Harold's Cross, 84. 2 pm. Saw the Small Tortoiseshell butterfly fluttering.

Glenasmole, Co. Du. 2.30 - 4.30 PM.
"Coombe" on E. side of town reservoir!
Bombus lucorum (several), *terrestris* (1), *agrorum* (1), ♀♀.
Andrena clarkella ♂♂ & ♀♀ (very little taken with pollen!)
A. apicalis not abundant, 1 absolutely fresh ♀ taken.
[*A. praeceps*? some small ♂♂ seen may have been the species]
Homocidus lanceolatus 1 ♀ taken.

The small Tortoiseshell seen at all!

Small Tortoiseshell butterfly
No bliff-chaff!

30th March 1934 (Good Friday). Very cold E. wind, entirely dull, & dripping at Woodinbridge in afternoon. Drove to Gold Mines Valley, Co. WI. to look for *Botanophila* etc. but quite hopelessly cold.

Pimpla elegans 1 ♀ & *Bracon* 1 ♀ taken out of some belly bud by knife, common & taken out of belly & kept in woods & marsh & off brought home.

No bliff-chaff!

12th April 1934 (Easter Sunday). 6 clear, cold
day after a frosty night, but wind E-NE & very
strong (about 40 mph) between noon & 3 pm. Very small
seedling plants occasionally seen in the sun.

Drove to Ballyteige Wood, at foot of
Glenmalur, Co. WI. & in afternoon called at The
Deputy's Room for an hour.

Ballyteige Wood, Greenan, Co. WI 11.30 till 2.0 PM.

Bombus lucorum 9 seen by George

Cryptopimpla arcuata 4 seen & 1 ♀ taken, very fresh
along "mossy" area planted with rough
bryophytes.

1 on hard bank at edge of
mint and fern.
6 Liff. chaff for my George & Pearce. Ballyteige.

Deputy's Room, Co. WI 3.0 till 4.30 PM.

Orthocentrus frontalis? 1 ♀ taken out of Spanish Fir.

Pimpla maculata? } taken (but not kept) a a a

P. elongatus ♀

Two small Tortoiseshell butterflies seen!

Beetles taken amongst house droppings - 100.

6th April 1934. Still very cold, NE-NE wind, but all sunny
in afternoon & very sheltered at Enniskerry, Co. WI.

Swifts nested between roaches & bark rollers, but
not (any?) & eldons (in leaf). Bombus lucorum 9
seen following pollen on willows & other Bombus lucorum
on bryophyte taken off Elder bud & also one bug.

Then walk up glen & swift swampy place
on old track. Here took on Galium
& several bryophytes on rocks, etc.

George reported Bombus lucorum & lucorum 9 ♀.

Two small Tortoiseshell butterflies in meadow, but no
Andrena seen on bank or at willows & no
stiff-shells heard in glen.

8th April 1934. 6th till cold day, except in afternoon when sun
was out, with short & light showers at frequent intervals
& some sun bursts in between: wind NE in Dublin, but
W at our place. Drove to Edenderry, via Inverfield, to
see "The Denner" south of that place, recommended by Brimble.
Several old sandpits in the corner, but very overgrown by nettles
& brushy with the long grass. Drove on to road S. of
Monasterevin, QCo., via Rathgarra, & home after lunch there.
No hymenoptera seen all day!

15th April 1934. After a fine warm night & morning
a cold S.E. wind came in from sea with rain,
later developing into a severe gale.

Went to "the pits" at Killybegs, Co. Derry, with
E.O.M. in morning; in morning in afternoon.
11.0 till 1.0 P.M. "Pits" N. of railway, Killybegs,
Co. Derry.

All shaken out of grass meads (Typhes) at edge of pond
on or beside bank.

Hemiteles sp. 389 in meads & grass on edge of pond.
Hormius maculicornis ♀, shaken out of dry grass, meads
& bank. *Proctos*. with bank
& small *Hemiteles* *Chalcid* *Proctos*.
4 *Ichneumon* and a green *Chalcid*.
1 winged green *Chalcid*.

Large flock of Swallows & Sand Martins, arrives
about noon & flies over pond for 15 minutes &
then disappears. Bliff-buff heard at Killybegs.

Verpa sp. ♀ & Tortoiseshell Butterfly - garden
at Killybegs L., at 10 AM.

22nd April 1934. A fine day spoiled by heavy
showers, hail, &c.

Drove to top of oak-wood at Clara, Co. WI, via
Glenally & Glen N. of Drumcorgan: stopped for a few
minutes in last place (=1) at 11.45 AM. & swept a couple
of *Campoplegids* off *Vaccinium*, a reddish ♀ *Cynipid*, a ♀
Aspilota *Lystrum* & beat a ♀ *Dolichus* *serenus* off *Salix*.

Then on to top of Clara, oakwood (=2), & walked down
to "Osmonda gladi" & environs, but heavy showers spoiled
collecting. *Salix* & all plants very backward!

Bombus lucorum ♀♀ frequent at *Vaccinium* flowers at 2.
Ichneumon 1 ♀ certainly identical with last.
Psithyrus distinctus 1 ♀ at *Vaccinium* at 2.
Verpa sp.? 1 ♀ seen at 2.
Andrena leffroyana? ♀ & *Peromyscus ruficornis*? seen by M.B.S.
on path above the sand flat.

Dolichus serenus 1 ♀ on *Salix* at 1.
Amauronotus curculionis 2 ♀♀ beaten off *Salix* at 2.
Ichneumon 1 ♀ beaten out of fig at 2 (not kept).
P. elegans ♀ beaten off of oak branch on sand flat at 2.
P. eximius ♀ beaten out of fig at 2.
Lissonota carbonaria 1 ♂ beaten out of *Salix* at 2.

From off the oak wood brought from 21st May 34: a ♀ *Chalcid* *Proctos*. *Ichneumon* *Aspilota* *Lystrum* *Dolichus* *Verpa* *Andrena* *Peromyscus* *Amauronotus* *Ichneumon* *P. elegans* *P. eximius* *Lissonota*

22 April 1934 cont.

Oakwood at Clara, Co. WI., cont.

[A tick seen on dead bird by at 2, but missed, very like a *Xylocorus irregularis*, but dark on body.]

Campoplegid. 2 at 1, rest at 2.

Proctos ♀ at 2.

Hydrophilus? ♂ at 2.

Brachymeria (cf. *virgata*) ♀ taken off my, with ♀ off leaf just coming into leaf.

[*Proctos* ⁴⁻¹⁻³⁵ 1 ♀ at 1]

2 *Proctos* at 2.

1 *Chalcid* at 2.

1 reddish hymenoptera at 2.

Brachymeria major, the first I have seen, taken off bird - *Canis* glade at 2.

Peacock butterfly seen at 1.

One on Cliff-chaff heard (at 2).

23 April 1934. A wet day after a fine night & gloomy morning, with rain from 1.30 on - after arrival of a "secondary depression".

From Rev. Gregg & his son Noel, also E. O. M., to Omo Park, Q. Co., where Rev. P. G. Kennedy, S.J., was in charge of Jesuit College for Novitiate.

As the Greggs were only interested in entomology, I stopped at all canals &c, & reported 2 hours near Goodrich House, also of Mountmillard canal, Q. Co. Here took a spin to Gregg's many *Acanthia* *lanellata* & on white *Acrida* *linaria*, the latter under a rock stone. Amongst best taken E. O. M. took on ♀ tick - *Diapars*? of?

Spent some time in rain going round the ponds at Omo Court & lake & saw some promising bits of collecting ground, stuff, glades &c.

In canal just S.W. of Mountmillard, Co. KD. dredged from the Banor canal one specimen of the very little *Acronia* *affinis*, only previously recorded apparently from two places (S.W. & N.E.) in the Royal Canal.

At Omo Park
H. O. M.
H. O. M.
H. O. M.

27th April 1934. The first fine day for a week, but wind E.-NE, fairly strong & cold. Afternoon.

Drove Mr Gugg & son to Linslip station, Co. KD., so that they could collect *Amphipepla glutinosa* & *Meristina flaviventris* in the Royal Canal. Spent a couple of hours in the marshes on left bank of Rye Water, above the aqueduct & here saw or took (mostly otherwise taken) :-

Bombus lucorum & *B. agrorum* many ♀♀ seen.

Andrena minutula 2000 on clay embankment E. of river.

A. pygmaea ♀♀ seen, 1 taken.

A. clarkella? 1 ♀ seen. *A. albina* 2000 on embankment.

A. jacobae 1 ♀, 1 ♂ taken off willow.

Homalictus maculatus 1000 seen. *A. bifida* 1000 seen.

Sphacodes affinis 1 ♀ on *Taraxacum*.

1 ♂ *Ich.* not seen?

Blacus 1 ♀ swept in marsh.

2 *Ror.*

1 *Ich.*

Dolerus migrator 1 ♀ swept off Sals clay canal 1/2 mile E. of Linslip.

Willow
Water
1 *Sagittaria*
1 *Urtica*
1 *Plantain*

29th April 1934. A fine day after a dull morning, & much sun, but cool & strong chilly E.-NE wind.

Drove to Rahen, between Dunsavin & Ballynagone, Co. WI., but found everything very backward & at least 1/2 fortnight later than last year, in fact practically no sign of growth in the marsh & little to sweep. On way home stopped for tea at sand-cliff on R. Liffey, just below Ballynagone Lanes, Co. KD., where vegetation much more advanced.

March by stream, etc., Rahen, Co. WI. 11-30 till 3.30 PM

Bombus lucorum many ♀♀ seen at willows.

B. agrorum several seen (♀♀) & at least one immature.

B. muscorum 1 reported by George.

B. distinguendus 1 reported by George & M.D. & later one immature specimen seen by me sweeping closely on bank.

N. of stream. *Salix purpurea* 1 ♀ seen in marsh.

Dolerus migrator? 1 ♂ swept by stream near old road.

D. areolaris 1 ♂ swept near last.

Sagittaria 100 swept in marsh.

Hemiteles

Centistes? 1 ♀ swept just below bridge where car left.

30.4.34: Athy distinct, Co. KD. cont.

Sacchara acetabulum 1 ♀ at 1 (no? h. p. l.).

Aspilota *nervosa*? ♀ at 2.

Proton. Chloride, 2nd at 122.

1. Butterfly numerous. Small Tort, Peacock, Admirals at 1 & 2, Orange Tip at 1 & 2; White 2 sp. frequent, G. & B. Wood (1) in each of 3 where also one which I saw once in a B. Admiral fls. just now quite lovely, strong red, black & white. June 16

2nd May 1934. A beautiful day, but good shell in the afternoon.

Golden Hill, near Blountstown, Co. 186.

all insects beaten, mainly off Laurel (just a leaf) but
some out of spruce & a few out of Pinus sylvestris, in
plantation on E. side of hill near summit, ca 900 ft. alt.

Delonix togeata 1 ♀ only, broken off the last named host.

6th May 1934. A terrific gale from SE-SW all day
 & heavy rain for a couple of hours from about 2 pm.

In morning drove Palmer & Allen to Glenageary, intending to go to Clara wood, but driven home by storm. In afternoon drove Allen to Limerick & home via Fairy Glen, where saw one pair of Bombus lapidarius swarming heavily; but felt too strong for insects.

9th May 1934. The first fine day, aft. storm on 6th. Very sun.
(therm. up to 70° in yard), with much sun: must be hottest
day yet for year. Aft. 2-30 till 5-30 pm.

Down to Enniskerry & spent 2 1/2 hours in
newly built roads. Suffered at 4 P.M.

Bombus lucorum, *terrestris* 1), *agrorum* 2), *terrestris* 3) ♀♀.

B. stictigaster, reported by H.S.S. near Longwood (E)

Andrena albicans *Andrena* *Andrena* 100 mm

Homoda nankaiella ♀ & *Andrena giesbii* ♀ seen near T. road.

Solium medicum 10¹ (ascop.) S. dubium 1 pin & Solium chilense

D. laevis & *D. punctata* 10. *D. punctata* 1/2

9.5 36 cont. *Emmery* near Co. WI. cont.
Stenobothrus *ochropus*? ♂♂, at Sals.
 10.5 37 38. 4. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

Pimpla (var. *var.*) 2 ♀ at Sals.

Leimota *carinaria* 2 ♀♀ at Sals.

Sagittaria 100

Angitia *reticulata*? ♀, black legs

Bracon *lucorum* 1 ♂♂, 2 ♀♀

Sigalphus *no.* of

Chalcid *leptus*? ♂♂, narrow, at top of Sals. bunch.

1st in 5 ♀♀ 2nd 1 ♀, with elongated terebra.

Apanteles cf. *longicauda* Retz. 1 ♀, black, shining, long terebra.

Euphorbia *pallidipes* 100

Dacnusa *areolaris*? 1 ♂, very small, pale green, 2 ♀♀ just to antennae, 1st black, 2nd light.

Aphidius off 100

Chalcid, *Proctos*, & *trichophora* *lypoid*.

Chalcid & *Labia minor*!

13th May 1934. A fine day, more or less, after a nice sunny morning; but cooler & in Dublin a bit of NW wind: wind at Sals. at 11.00, some misty rain in late afternoon, but too late to prevent beating.

Down, with C. W. Allen, to top of Glass v. road, Co. WI., & walked down to sand-flat, as usual. All taken about the "Ornithoglossum" or taken that & the *Long Byrne*, unless otherwise stated.

Bombus lucorum, *agrorum*, *terrestris*, & *lapidarius* 100

♀♀; also ♀♀ of *terrestris* & Allen saw one of *lucorum*.

Psithyrus distinctus ♀♀.

Andrena lapponica ♂♂, 1 ♀ only seen; went over

A. sericea ♂♂ frequent on sand-flat.

A. praeusta 1 ♀ quite fresh at sand-flat.

A. giesbii & *A. ulmariae* ♂♂ seen.

Halictus rubicundus & *calceolus* ♀♀

Sphex *divinus*? 1 ♀ seen.

Salix fusca ♀♀ common.

Vespa vulgaris, *rufa*, *nervosa* & *no.* (Allen) ♀♀

Dolichopus *areolaris*? 1 ♂, 1 ♀

Amantia *areolaris* *sagmaria* 1 ♀ } taken off Sals.

Stenomacrus melanops? *proctos* *styria*, ♂. 1 ♀ } taken sand-flat

13/5/34 cont. Glara, W., cont.

Empis cinerea 1 ♂ off Salix. Portenae sp. ♂
Portenia luteiventris ♂ & ♀ taken off Salix (300 yds. to S. end)

Lemna spp. ♂ & ♀: 1 ♂ & 1 ♀ of these were small, distinct & very like the specimens referred to below.

Two small species of *Portenia* taken off Salix.

Letas mud flat.

Gryllus ♂ & ♀ taken off turf, etc.

Phaenocarpa 2 ♀♀ taken (1 of which is *phalaenocarpa*)

Ephyrida 2 ♂♂

13.5.34 cont. Glara, W., cont.

Tryphon ^{*Eurythoe*} black, red abdomen, interstitial under some
 - taken off turf in Ormonde glade; resemble *Pedunculatus*!
 = *Cucusa ellipticus* ♀ (N.B.) 25/7/34.

Tryphon *brachypterus* ♂ 1 ♀

Crocus sp. ? *Pteronotus* sp. red-brown ♂

Orthocentrus ♂ (off turf etc.)

Pimpla angusta 1 ♂. *P. brevicornis* ? small ♀.

Pimpla angustula ♂ & ♀ frequent, 1 ♀ taken off turf in glade.

P. sp. ^{*angustula*} (that I call *angustula*?) 1 ♀: at Salix!

P. sp. ^{*angustula*} (that I call *angustula*?) 1 ♀: at Salix!

P. ? small ♂, black head, green, etc. on a small branch of *S. F. P.*
 taken off turf at Salix 25/7/34.

Stelidota ? 1 ♂

Tryphon *brachypterus* ♂ 1 ♀ taken in Ormonde glade.

Out 14/33 I determined that my specimen that I
 should be referred to *Tryphon* *brachypterus* & that it
 was not as very small white superficially: 25/7/34.

Arctostaphylos ♂ taken off turf in Ormonde glade

Therobius 2 ♂♂ (2 ♂♂)

Ephyrida ^{basal} all taken near Ormonde glade, except
 1 ♂ taken near Garryduff cross roads in morning!

13.5.34 cont. Glasa, W.I., cont.

Bracon 1 ♀

Mesochorus - as all specimens in collection!

Apanteles *fulvipes*?

Microgaster *thoracicus*? ♂

Cremastus *plumatorius*? ♂ & ♀; the ♂ seen & used.

Euphorus *pumilus*? 7 ♂ & 5 ♀

Mesochorus *calvus* ♂

Orthocentrus *parvipes*? ♂ & ♀, but wings seen quite clear!

Chalcidius *extremus* ♂

Aspilota *nerosa*? ♂

Orthocentrus *pumilus* 1 ♂

Ephedrus *validus* 2 ♂ & 1 ♀

Pentus & *Chalcidius* 1

Bombus *terrestris* 2 seen flying over sand flat: 1 taken

Silphus *punctatus* beaten off *Salix* in *Cornus* *florida*

14 May 1934. A poor day, though much sun & strong NW-W winds, frequent showers during & after which temperature fell pretty. For insects, out!

Left, with F. O'Riordan, to Rathfriland, Co. WI. out of town, but very cold & windy, so came back to Rathfriland Ho. & collected in marsh: also cold & windy & heavy showers spoiled everything; next returned via Dunlavin to Reheen, but vegetation still backward & the place wind-swept; finally left there & drove back to road ^{near} ~~at~~ Dunlavin, near (S. of) Naas, Co. KD.

2 miles N. of
Rathfriland, Co. WI.
Rathfriland

March of railway near Rathfriland Station = 1.

Marshy field east of road near Rathfriland Ho. = 2.

Marsh at Reheen (most insects taken here!) = 3.

All Co. Wicklow. 11.30 till 3.30 p.m.

All labelled
as det. by
C. W. A. N. E.
14.5.34

Salix *pusilla* ♂ on roadside at 3.

Lophocentrus *virgatus* 1 ♂ & 1 ♀ swept (det. at 2? loc.)

L. palustris 1 ♀ swept - swept at 3.

Lophocentrus *virgatus* 1 ♂ at 3.

Euphorus *pumilus* 3 ♂ & 1 ♀, probably at 3.

Blennocampa *tenax* 2 ♂ & 1 ♀ (at 3?)

4. 5. 1934 cont. Bitter, S. of G. M. - 1
 Bitter, S. of G. M. - 15.

Pogonocherus 1 ♀

Leptocryptus 1 ♂

Heterodactylus "nigricornis" 1 ♂

Microgaster 1 ♂

Aspilota 1 ♂

Phaenocarpa 1 ♂

Promethes 1 ♂ (2 small dark red ♀s)

Aspilota 1 ♂

Dacnusa 1 ♂

A. rubicincta 1 ♂ 1 ♀ with 25 joints in tail

Aphidius 1 ♂

Chalcid

Proctos

Cynipid

4. 5. 34, afternoon. 3.40 - 5.0 PM.

Stopped at plantation (wood?) at Dunstable, S. of Nans,
 G. M.

Colletes braconius 1 ♂ 1 ♀ - 2 small, under leaves
 of beech, 1 swept in wood by E. O. M.

Aspilota 1 ♂ with 25 joints in tail

Phaenocarpa 1 ♂ (= *shimulata* Grav.)

Euclyptus 1 ♂

Aspilota 1 ♂

A. A. 1 ♂

Leptocryptus 1 ♂

Aspilota 1 ♀

18th May 1934. Left Dublin at 3.0 PM. & drove
 to Guncannon, Co. Wexford.

After a wet night & morning, beautifully fine in Dublin by
 midday & we got south as before, then on down into
 a "jam" which continued all the way to Guncannon, so
 that no collecting could be done at all.

With J. N. Hillbert!

19th May 1934. A glorious day after another
wet night. Nearly all sunny after 11 A.M.

Drove to Ballyteige Bunnies (at Kilmore Quay end), Co. WX.
to look for more *Thyreoxenus* searchwinds, the bug I
got here in May 1932 & sent on me to find
further: six specimens taken in some coastal hollows
in two places, about 1/2 & 1 mile west of Kilmore Quay.

Also took

Tetraneura *caespitum* ♀♀ abundant & seen on
young oak & larvae, apparently for a new host.

Thyreoxenus *reclinatus* & *reclinator* ♀♀ in very plain.

Larix *niger* 1♂ seen in one hollow on inland side of dunes.

Bombus lucorum (mostly 1♀ George!), also

muscorum & *lapidarius* ♀♀.

Osmia *auriculata* 2♂♂, just out, taken in hollow
1 mile from K. Quay, in *Viola* (crucifera?) flowers.

Dolerus *pepper* ♂♂ & ♀♀ *D. humilis* ♂♂ } all swept off
" *acutus* ? 1♂ } dunes.

Pachyneuratus *disphemus* ♀ 1♂ in drain along marsh.

Aphidius *aphidius* ♂♂ in drain. *Aphidius* 1♂

Gyracampa *alpina* 2♂♂ in drain.

Bracon cf. *pandator* 1♂ in marsh drain. B. of *ambulator* 1♂

Apanteles *pygmaeus* 1♂ 1♀ of *apanteles* 1♂

19.5.34 cont. Ballyteige Bunnies, WX cont.

Pezomachus 1♀ on bark. B. 2♂♂, very small & not identified.

Apanteles 1♂, very small & not identified.

Apanteles 1♂ & 1♀ on bark. (not id.)

Pimpla *tumida* 1♂.

Phaenocarpa 1♂.

Chamaelea *gemma* 1♂.

Bombus

terrestris

19.5.34 Duncannon, Co. WX.

Bombus *terrestris* seen on wallflower at S.E. cliffs
under the fort at 10.30 A.M.

Chamaelea ♂ on wallflower at 7.0 P.M.

20th May 1934. A disappointing day, misty rain in

morning & cold sea fog all day at Duncannon.

very hot & some rain at The Point (below New
Ross) in afternoon. Left Duncannon at 11.15

& drove to New Ross, but stopped for a few minutes
in side valley full of *Salix* near Bannin Hill ^{P.T.O.} where took

one small wasp (damaged by beating) then on to The Point
Point on Kilkenny side of river till nearly 5 P.M.

20/5/34 cont. Glen S. of Camlin Hill, Co. LX.

Hylomyza chrysoides 1 ♀ beaten off willow bush N. of road.

There was blackthorn here - flower red.

AVS

20.5.34 cont. [One discovered labelled by mistake 20.8.34. "Larva of Hylomyza" AWS. 5.1.35.] There taken at 1 labelled "Pink Pt." then at 2 "Pink Pt. (2)"

Wood on "cliff" above road just N. of The Pink Point, Co. Kilkenny (=1); above below road & marshy fields, hedges, rocks, etc. just S. of Point (=2). Not windy at 1, shaded off green, etc., etc.

Bombus lucorum, *agrorum*, *terrestris* ♀♀ at 2.

Eulophus laticinctus ♂ at 2, rocky mound at 2.

Stenobothrus beaten off oak at 1.

Pimpla insignita 10 ♂ at 1, under Sycamore leaf.

Homocidus 6 small ♂, = *H. nigritarsis* var. without marked

Helictes borealis 20 ♂ at 1.

Diceter of very slender ♂ (? see *D. sub*) at 1.

Parabatus litigatus? off green - etc. at 1, 1 ♂ at 1.

Agropyron flavidatus? ♀ at 1.

Leptocryptus 10 ♂ at 2.

Euphydryas 4 ♂, 2 ♀ at 2 (Hemiteles ♂)

Parabatus *retardatus* ✓ AWS 14/5/35 (? mistake previously for *Hemiteles*?)

20.5.34 cont. "The Pink Pt." ^{side ord. map!} G. KK. cont. (=Pink Rocks "to rally")

Bracon anthracinus 1 ♂ at 1.

Phaenocarpa *indagata* 1 ♂ at 1. *Parabatus* 1 ♂ at 1.

Colletes braconum 2 ♂ & 2 ♀ common. *Euphydryas* 2 ♂ at 2.

Opius *lugens* 1 ♂ at 1. *Calypso* *pusilla* 1 ♀ at 1.

Phaenocarpa *conspicua* 3 1 ♀ at 2 in marsh.

Aspilota *fulvicornis* 1 ♀ at 1. *A. distincta* 1 ♀ at 1.

G. nemora 20 ♂ (large, small) & 4 ♀♀ at 1; 1 ♂ at 2 (very small)

Aphidius 2 ♂, 1 ♀ at 2.

Proctos ^{Bombus} *areolaris* red thorax, curved, complete nervation, 1 ♀ swept at top of cliff at 1.

21st May 1934. After a windy night clear at 10 AM
 & sunny almost all day, my rain & soft, but my
 strong S.W. wind still made collecting difficult &
 left insects shy.

Left Dunceannon, W.X. at 10.30 & drove via
 New Ross, Enniscorthy & New Ross to
 Kilmory Bridge, Co. Carlow, where arrived
 at 12.30 & stayed till 3.30 P.M. Then
 drove via Tallon & Ballylough, to Rahen
 G.W.I., where stopped for half an hour 5.0 till 5.30.
 Then home via Dunlavin & Naas.

N. of Dunlavin, Co. W.X., George caught a ♀
Solen *terminalis* in car at 11 AM.

21.5.34 cont.

Glen of the Glashavagh, Kilmory Bridge, Co. CW.
 12.30 till 3.30 P.M.

Bombus agrorum, *muscorum*, *terrestris* (1) & *lucorum* (1) ♀♀
Vespa ♀ seen.

Crabro chrysostomus 1 dead. Black ♂ just inside gate
Andrena praecox ♀ seen on Salix (♂?) *Salix* flowers.
A. minutula or *subopaca* ♀♀ common in same willow.
Halictus rubicundus & *calceatus* ♀♀ seen on path.

21.5.34 cont. Kilmory Bridge, CW., cont.

Lusina julijana ♀♀ abundant at same old stump &
 30 yards further up glen on edge of road (Halt), but
 the bird in which the Great Mott "patch" situated
 had been blown down across road, & worn off several
 years ago & was treated by large colony of *Lusina glauca*.
Myrica, none seen on path where *M. schenckii* used to
 be & glen much overgrown with grass.

Attracta crepuscula ? 1 ♀

Eupria 1 ♀

Attracta cordata (1st seen 1934!) 1 ♀, none seen in marsh.

Blacus *affinis* (1934!) 1 ♂.

Euclyptus ♀

Schizura geminata 1 ♀ on road near where *L. julijana* was.

Large black ♂ with 1st banded antennae, *Solen*, just inside gate.
Stenomacrus dimidiatus ? ♀

Centistes ♀ *Euphyas* ♂

Pimpla flavicollis ♂ & ♀. *Asthenaria crassifemur* ♂, AWS 1961.

Pimpla ♂ & ♀ & 1 ♂ of another large *Pimpla*.

Hemiteles cinctus 3 ♂♂ } taken with sucker just inside gate.

Promethes laticarpus 5 ♂♂. } ♂ in marsh respectively.

Campoplex cognatus 1 ♂. *Campoplex* ♂

24th May 1934. A most perfect day at Rosthern, with soft
W. wind & much, all sunny: chilly E. wind in Dublin.
Left Dublin by 6.40 AM train for Warrington to report
officially on late Rev. W. F. Johnson's collection of
insects offered to Museum. Walked from Warrington to
Rosthern: at latter place spent half-an-hour shaking sea-weed
on shore, from which got a few beetles for Obachow. But no sign
of hymenoptera. Kept all day in doors by work (as Mr. J. G. T. b.)
& had to catch 2.30 bus to Warrington for 3.20 train home.

While waiting for bus found a black Solitud sandy
 was in field opposite Roxboro. Terrace in dozen flying to
Equisetum arvense: saw one pair in sp. & captured some
 with net, through the peat; also took 3 or 4 of Lord
 flying up & down roadside. All found the Lodones palustris
 on return home, a sp. which they never seen in quantity
 before. Homocidus nigritarsis, 1 ♀ also taken in Johnson's
 front garden & small black ♀♀ Andrena also seen there on
 Globe Flower (Ranunculus), probably A. ulipacea.
 n. Trillium?

Brose, with C. W. Allen, to The Murreys, at Newcastle, Co. W.L., & then on to the oak wood at Clara: all sunny while we were there & wind S.E. most of the day, though N.W. later & in Dublin.

The Murre, Newcastle, G. W. I. 11 till 12.30 noon.
Bombus lapidarius several ♀♀. B. terrestris several ♀♀.
B. muscorum ♀♀ abundant & heartily fed. B. lucorum ♀♀.
B. jonellus 1 ♂ seen on Loten.

Osmia aurulenta ♂♂ & ♀♀ abundant on Lote about
1/2 mile S. of station, but not before 11:30 AM.

Andrena athalia ♂♂ very common in spots.

Compositae pitheas 82 + 19 on edge of road

Trachysphaerula punctipes 100 with back.

Several "ick" snuff along drain inside railway.

27/5/34 cont. Oakwood at Clara, Co. WI.

2.0 till 5.30 PM.

Bombus lucorum, sp. & smaller ♀♀ & many ♂♂ of last.

B. lapidarius 1♀ in upper wood (alluvial). *B. hortorum* 1♀, swimming.

Andrena albicans ♂♂. *A. praecox* 1 horn ♀ at lake.

A. subopaca 1♀. *A. ♂♂* flying in *Osmanthus* glade. ^{small} 3 spec.

Phaenocarpa dimissa ♀♀ (alluvial).

Pemphredon cupreus 1♂ in *Osmanthus* glade.

Antennae? 1, large ♂.

Phyllocolpa rufa 3♂ 1♀ on birch in *Osmanthus* glade.

Stenobothrus delicatulus ♂♂ in wood.

Dolerus picipes 1♀ on roadside stone wall & dozen

of some *Dolerus* flying round holly tree (in flower)

on roadside, then can left, at top of wood.

Cimex femoralis 1 fine ♀ at birch in *Osmanthus* glade.

Crabro 2 males (1st & 2nd instars) 1 small ♀ (alluvial).

Crabro *fabae* ♂♂. *C. albicans* 2♂♂.

Platylabus pedatorum 1♀.

Colletes affinis ♀.

27/5/34 cont. Clara, WI., cont.

Hemiteles? 1, small, slender, ♂. *Phidippus* (Stenocranus?) ♂. *Cardel* =

2 ♂ *Crabro*.

Pimpla instigator 1♂. *Phyllocolpa* ♂.

Pemphredon turnerellae 1♂, 1♀. *P. ♂♂* (Bayer?) 2♂♂.

Pemphredon inquilinus ♂♂ abundant, ^{small} 2♀ in glade.

as well as a very large ♀ on birch in glade.

P. IV. dentata ♂♂ & ♀♀ in wood. *P. rufata* 1♀, large!

P. ♂ 2♂♂ at birch in *Osmanthus* glade (1st & 2nd instars).

2 ♂♂ of the 1st instar & 2nd instar (largest) first found & must be *turnerellae*, but the other 2 ♂♂, & in *Osmanthus*? ^{or *P. K. ♂♂* sp. m.} 27/5/34.

Ichneumon phaeus ♂♂ frequent, several ♀♀.

Xorides 2♂♂, one at holly tree glade, the other this side, ditch near top of wood.

Mesochorus 1♂.

Segestes (♂♂) 2♂♂. *Segestes* (♂♂) 1♂.

Campoplex 1.

Mesochorus 1.

Chorion *fructus*? 2♂♂. *Chorion* *longicornis* 1♂.

Mesochorus 1.

Mesochorus? 1, small, ♂, with 2 small ♀♀.

27.5.34 cont. Glara, Lk., cont.

Mesochorus
Paniscus

Bracon spurius? 2♂♂ 1♀.
Meteorus fulvipes 0? ?
Gaenura lateralis? 1 small ♂ Aspilota ruficornis? 1♂

Garden, Harold's Cross, DU. Various dates till 31.5.34.

Chrysis ignita 1 ♀ (usually 2♂♂) first seen on evening of 26/5, plenty on 30th & 31st.
Odynerus pictus ♂♂ first seen on evening of 30th, the first many days off.
Crabro varius many ♂♂ (? also one or two ♀♀) seen on 31st. Also a large many day
thief seen, certainly, but on 20th; some immature, but when I found it at that time
first a few days previous, & yet some people say these insects can't be changed.
Bombus lucorum 1♂ on evening of 21st, 1♀ on 25th, 1♀ on 26th, 1♀ on 27th, 1♀ on 28th, 1♀ on 29th, 1♀ on 30th, 1♀ on 31st.
B. agrorum first ♀ seen several days.
Andrena pectorator 1♂ seen about 26th May, 1♀ seen both sides seen.
Nomada maculosa ♀ seen on 31st May.
Hemiteles pictus 1♂ on 24th, 2♂♂ on 30th, 2♂♂ on 31st. H. ruficornis 1♂ on 24th, 1♂ on 30th, 1♂ on 31st.
H. ruficornis 1♂ on 24th, 1♂ on 30th, 1♂ on 31st. H. ruficornis 1♂ on 24th, 1♂ on 30th, 1♂ on 31st.
H. ruficornis 1♂ on 24th, 1♂ on 30th, 1♂ on 31st. H. ruficornis 1♂ on 24th, 1♂ on 30th, 1♂ on 31st.
Bombus lucorum 2♂♂ on 31st.
Trypeta? 1♂ on 24th, 1♀ on 30th, 1♂ on 31st.
Meteorus of 1♂ on 30th, 1♀ on 31st.
Aspilota ruficornis 1♀ on 30th.
Chrysopepla maculata 1♂ on 30th.
Phaenocarpa ruficornis 1♀ on 30th. Chalcid of 1♀ on 30th.
Bracon ruficornis? 1♂ on 30th. B. bipunctatus? 1♂ on 30th.
Phaenocarpa ruficornis ♀ on 30th.
2 Aspilota 1♂ 1♀ on 30th.
Syrph, Trypeta, 1 small Diptera on 30th.

30th May 1934 A glorious day after two dull ones, but
very strong E wind in afternoon kept insects shy.
Went to Glenasmole, Co. Du. to get *Dolichopus* off for
J.H. Hunt of County, but only *Dolichopus vestigiatus* common
& a few of *D. dubius* & *D. bimaculatus*, which *D. oblongus* 21 seen.
Bombus lapidarius, apr., & minor (many) ♀♀ seen.
Dolichopus bimaculatus 3000 in marsh below dam & W. of road (=1)
100 E. of lower reservoir (=2)
D. dubius 100 with last. *D. sp.* 200 red ♀ seen in field W. of
last, but I don't know them.
D. geminus 100 taken 2000 in marsh E. of lower reservoir
D. minor 100 in marsh & field above same. *Trichocera arena* 1 ♀ (11.21
seen 1934)
Dolichopus vestigiatus 1000 & ♀♀ abundant in both places.
Salix 1 ♀ in marsh. *Trichocera laticornis* 4 ♀ in marsh
Start of rain on arrival in Glen = *Trichocera radiata* 100

Campoplex 2000

Pimpla 14: *denticulata* 2000 at Sabin at 2.

Campoplex 100.

Pimpla laticornis 100 at 1. *Homocidus pectorator* 100

Colletes maculipes, probably 1000 at 2. *Bracon aphidius* 100.

Euphorus pallidipes 100

Orthostigma 3 females 300 in shady end of marsh at 1 or in wood at 2? (at 2)

Dacnusa areolaris 100.

Aphidius 100 in wood at 1.

31st May 1934. Another glorious day, E wind, all sunny.
In afternoon went up R. Canal with Mr. Lloyd (G. Limerick) &
children to look for water snails. *Hemiteles* in full
blossom & just above "Riffy Junction" station saw thousands
of *Cynipids* flying in bushes round top of branches.
3 taken with the hand, all ♂♂. Many ♂♂ *Andrena grisea*
also coming up & down. *Bombus lapidarius* & *terrestris*
1 ♀ each seen on tree-fall & Ed. Lloyd recognized the
terrestris as the species next most common after *lucorum*
at Heathfield, Kilmacody, Co. LK.

1st June 1934. The third perfect day, but cool & breeze.
 Garden, 14 Clareville Rd., Harold's Cross 211
 5.30 till 8.0 PM.
Bombus lucorum 2♂♂, *B. terrestris* 2♂♂, 2♀♀, all seen near.
B. cf. var. lucorum & *agrorum*, all observations & *Cryptus* 1♀.
Aspilota nemoralis 1♂.
Homocidus maculatus 2♂♂, 3♀♀, *H. dimidiatus* 1♂, *H. pectoratorius* 1♂.
H. ruficornis 1♂.
Mesochorus 1♂ 4♀♀.
Chalcidius 1♂.
Cryptus 2♂♂, 1♀ (2 spp.) = *Leptocryptus* 1♂.
Campoplegid ♀, *Campoplex*.
 Proctos.

2nd June 1934. The fourth perfect day, cool & breeze.
 Garden, Du., as above. 5.30-8.0 PM.
Homocidus maculatus 2♀♀.
Mesochorus 1♂, 1♀, redoubt etc.

3rd June 1934. The fifth perfect day, but still cool & breeze.
 In museum in afternoon, 20 made on gate to
 foot of Glencasmole & collected in *D. dubius* marsh
 for two hours. - 10.30 till 12.30 PM.
Bombus lucorum (1), *lucorum*, *terrestris*, 2 spp. 9♀♀ seen.
Andrena fucata 2♂♂ (1 examined).
Agrocybe 1♀ (examined!), *Agrocybe*, *Agrocybe*, *Agrocybe* on slope of road & in
A. villosa 1♀ seen running on tarmac, but missed.
Helictes 1♀ seen in bottle.
Tenthredo 1♂ seen. *Tenthredella* 1♂.
Tenthredella 1♂ seen.
Salix 1♂ seen.
Tom. laticornis 9♀♀ common. *Tom. affinis* 1♂ & 1♀.
Dolichopus 1♂. *D. dubius* 3♀♀, 1♂.
D. laticornis 2♂♂, 2♀♀. *D. laticornis* 3♂♂.
D. nigritus 1♂.
Dolichopus 2♂♂, 2♀♀ common.
Hipterus 1♀ on leather flower.
 A specimen which looked like an *Argo* seen flying in sun!
Trichogramma 1♂ flew down & hit in marsh.
Chalcidius 2♂♂, taken off *Salix* (examined?).

Most samples tested found to be *D. dubius*

3.6.34 cont. Glencorch, Co. DU. cont.

Alomyia debellator 2♂♂ (1st seen 1934).

Cratichneumon ♂♂ 6 " 1♀.

Homocidus 2

Pimpla pumilio ♀ swept off heather near

Proctos 1st taken ♂

Microgaster *fulvipes* ♂♂ flying round Salsia.

Euclyptus flavoviridis 2 flying at Salsia.

Microgaster 4 seen (4 off)

Microgaster ♀ *Microgaster* ♂

Brachymeria ♂ swept in Salsia.

3.6.34, 5.30 till 8.0 PM. Garden, Harold's Cross, DU. cont.

Scaphiophaga 1♀ certainly seen (♂♂?). *Cratichneumon* ♂

Phygadeuon ignita, including large (?♀) specimen. *Odynerus* ♂♂.

Andrena *jacobi* 1♀ still about. *Chilopogon* ♂♂.

Homocidus ♂♂, 3♂♂, 1♀, 1 small ♀ with brownish head segments.

H. pectoratorius ♂, 1♂, 1♀, 1♀. *Mesoleptus* ♂, 1♂, 1♀, 1♀.

Cratichneumon ♂

Pimpla ♂♂ 1♀ *B. longicauda* ♂, 1♀

Tryphon ♂♂ 2 *Brachymeria* ♂

4th June 1934. Garden, Harold's Cross, DU. 5.30 till 8.0 PM.

Cratichneumon ♂♂.

Leptocryptus ♂♂, 1♀ seen.

Homocidus ♂♂, 1♀, 1♀. *H. pectoratorius* 1♀. *H. pectoratorius* ♂♂.

H. tarsatorius 1 small ♀. *H. flavipes* 1 very small ♂.

Mesoleptus ♂♂ 2♀. *M. ruficornis* ♂. 2♀ at Salsia.

Diapriids ♂ 1♀.

5th June 1934. Garden, Harold's Cross, DU. 5.30 till 8.0 PM.

Leptocryptus ♂♂, 1♀, 1♀, 1♀.

Homocidus ♂♂, 1♀, 1♀, 1♀.

Homocidus ♂♂, 1♀, 1♀, 1♀.

H. pectoratorius ♂, 2♂♂, 1♀, 1♀, 1♀, 1♀, 1♀, 1♀.

1♀, large like *pictus*, with large blackish spots on legs.

Brachymeria ♂♂.

Tryphon ♂♂, 1♀.

Brachymeria ♂♂, 1♀.

Chalcids ♂.

Chalcids ♂.

6th June 1934. The 8th perfect day in succession!

Slake of Sappan, C. 24. 3.0 to 5.0 PM.

Nearly all sandy & mostly in shales. Most insect taken
on west side of the slide, where old road runs under
trees to join the Sapperton-Bridles road; ⁽⁼¹⁾ a few taken
below the old bridge in marsh between old road & river; ⁽⁼²⁾
some swept in marshy spot on floor of slide where
streams are divided, beneath 1 (=3).

Bombus lucorum, Apr. 8 1880, 1st brood of eggs.

Andrena picta Mosq. & sc. *A. picta* y sc. or *lesastina*
florum.

Roneda narthamella G.G. common at tank. *R. niphonensis* G.G. 1.

N. flammulata? have seen it 2, along bank of road.

D. pennsylvanica is most in sedge flat just where river divides at 3

Saladina near *ovata* at 3. Tom. *latirostris* at 3.

6.6.34 cont. Slad. of Vaggar, 84 cont.

Lycomorpha alpinus at North Star at 3

7th June 1934. A fine day but not so ^{sunny} as
 those of previous week, afternoon mainly cloudy.

Down, with Art O'Meara, to waterfall in
 Berriscombe dunes, Co. WI, & walked up by path E of
 fall to upper plateau. Aq collected above this point,
 & along upper Dargle to tributary, coming down from
 Dorce, up which we went for about a mile. Most
 insects taken in gorge above fall (= 1) or at birch
 trees in "glens" at foot of the Dorce tributary (= 2).

Alt. of collecting ground, would be from 800 to 1250 ft.

Bombus lucorum & *agrorum*, none of which seen.

Psithyrus distictus 1 ♂ seen. *P. sp.*? (like *quadricolor*) 1 ♂ seen.

Andrena picta 1 ♂ at 1, with pale hairs on face.

Homocidus ruficornis ♂♂ common flying to birch at 2.

[Many bees in sandy moraine of tributary valley at 2
 but no seen & no bees seen. Looks as good as the
 Slade Brook moraine in upper Glencasmole.]

Antennae off at 1, mostly on birch.

= a birch, common ♀♀.

Chloris venusta ♂♂ & ♀♀ at 1 & 2. *D. piper* ♀ at 1.

7.6.34 cont. Upper Dargle, Berriscombe dph, WI, cont.

Teuchoclella atra, *talboti*, *peruviana* & *lucida* at 1 & 2.

Psithyrus geniculatus 1 ♂ (✓ R. 18.9) & 1 ♂ off *P. peruviana*
 in stream bed at 1. *Stenomacrus delicatulus* ♂, 1 ♂ & ♀ common.

Psithyrus distictus 1 ♂ at 2 in marshy spot.

Argyropus 1 ♂ on rock at 1.

Stenomacrus ? ♂ at 2, 2 ♂♂ on birch at 1.

Bombus ? ♂

Crabro *ruficornis* ♂♂ seen at 1 & 2.

Merula cf. *merula* ? ♂, smaller ♂ (10.11) ? seen at 1.

♂♂ of *Spilargus* 1 ♂, 1 ♂ (2 ♂♂ on rock)

Phylodactylus ♂. *Stenomacrus callidulus* ? 3 ♂♂.

"*Theraptus*" (H) *neglectus* 2 ♂♂. *Chloris* ? 4 ♂♂ (2 ♂♂)

Chloris *truncatus* ? 1. *Zethenia* *ruficornis* ♂.

Enochus flavicornis 1 on birch at 2. *Orthocentrus notatus* ? 1 ♂.

Brachymeria delucos ? 1 ♂. *Mesochorus* *lanceolatus* ? 1 ♂. *M.* *lanceolatus* ♂ 1 ♂. *M.* *lanceolatus* ♂ 1 ♂.

Chrysopid ♂♂ 1 ♂ & ♀ (2 ♂♂ on rock)

Helictes *lanceolatus* ? ♂.

Chrysopid red. Head ♂.

7.6.34 Upper Dargh, Parnassus dph., G.W. cont.

Trichogramma 100.

Pimpla

2 *Proctos*

Two *Trypeta* (1) flies & a long old *Musca* (1) fly.

5th June 1934. Rain came on at 7.0 A.M., owing to rain, but it cleared about 11.0 & fine & mainly sunny till 5.0 P.M.

Drove to Stray to meet J.M. Hallett, who did not turn up, so went on alone to the deer park, Parnassus, G.W., where arrived at 11.30 & found there had been less rain there than in Dublin or Stray; got everything dripping & no wind.

After 12, noon, a slight breeze & sun soon dried everything & collecting good for rest of day (till 6.0 P.M.)

Spent day along river from "mouth of the lochs" below the saw mill up to the "meeting of the waters", all on the floor of the deer park.

sh, VI cont
seen only.
nothing, just nearly
at last there.

all or nearly all
seen, small & one
recently dead!
small, 1st or 2nd
minuscule 1st or 2nd

Parnassius 100, 1st (small, 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th)

1st in mud.

1st sent to Seant.

1st sent to Seant.

1st of each lot.

1st of each lot.

165.

Chlorophanes 100, 1st

Cheque for life
from

May 2nd.

17-6.

Newton Abbott

29. i. 34

Dear Stelfox,

A week ago last Saturday I had practically finished your samples, that is so far as I could identify them, & expect to return your box last Monday, but since Sunday I was very unwell & quite hors de combat! This last Saturday J. F. P. & his friend 'Jane' Brown came down for the week end & go back to-morrow (Tuesday), he to the B.M., & she to Slough.

There is still one sample to determine in your box of that I can do.

Your Pterandec on sallow I don't know. Benson thought to be new I have not spent much time over, as he might know these things much better than I do. It seems to be close to Pt. polypila & caprae in Emelin. He says polypila feeds on ~~willow~~ sallow as well as alder, but I am very sceptical. I never bred any from sallow in that intensive breeding work we did here for several years, but I bred & took it on alder only. Might your insect be his 'polypila'-from-sallow??

Most of these dubious white-spotters with simple or small-toothed claws I cannot do anything with. I left such things in my possession as doubtful forms of liturata, this species apparently being

liable, owing to variability in form of clypeus, to be referred
either to litturatus or to one or other of the trideus group!!

The clypeus in my opinion is a rotten character, & in the
tables authors ^{frequently} use the characters of the ♀ antennae, without
saying that these would be all wrong for the ♂♂!

However there are quite a few of your Empries I can
determine positively — or rather I should say that I can
say they are positively the same as individuals I have
previously determined for myself without much doubt!

You will have to look at the saw of one of your
Dolerus gemmeri as I have taken out the saws of the small
♀ you sent. I can't find Maurice's paper, & Ender's outline
sketch of the saw is v. poor indeed. If you find
gemmeri has on one side of each saw a great upstanding
tooth ^{or angular spine (a)} about the middle of the division of each element of the
saw & another smaller one just above the bay between the teeth, which
^{are themselves} ~~with the teeth~~ somewhat coarsely denticulate, it will no doubt
be the same as the specimen I have dissected.

Something like this from
memory a. a. a. the big teeth
b. b. b. the smaller teeth near the
lower edge of saw.

These teeth I believe are on one side of the saw, so it
is necessary to have the same side up as in the dissection
~~and~~ I shall return.

As to your *Sphécodes* they look to me untypical specimens
& difficult. I no longer have my ^{own} series ~~of these~~ for comparison
of course. I expect you are right in calling them hyalinatus
but I shall have another look at them.

I enclose Blüthgen's table of the 4 v₃ difficult species
as he is the most critical & expert bee man living, but
if you can get anything out of it, you beat me!

My own firm opinion is that he had mixed species
under one, as I know that characters he gives for ^{distinguishing} a
species are far from constant. e.g. he will give to variegatus
some characters that are quite frequent in what are
positively affinis & so on.

Meyer's table is v₃ brief, but! Small ferrugineus
are, as in other *Sphécodes* species, quite common.

I have scribbled this in great haste & it is probably
full of errors.

Yrs. very truly

R. C. Y. Perkins -

With RCLG's letter dated
29.1.34 L

Blüthgen's table of these difficult ♀♀.

(1)

18 2nd & 3rd tergite at the sides without a dark mark.

"Stutz" (i.e. the vertical posterior face of propodeum, from the petiole to the apex of the anterior area) without a sharp angled margin, the sides being rounded. Mesonotum feebly ~~not~~ finely, moderately remotely to rather closely punctured, in front more closely than on the disc. - - - - - 19

2nd & 3rd tergite at the sides (where they meet the sternites) at the extreme base (often covered by the preceding segment) with a small dull brown or black spot. "Stutz" more or less sharply margined & at least angled, the sides not rounded.

Punctures of mesonotum stronger, when ~~fine~~ fine they are very remote, in front not closer than on the disc - - - - - 20.

19. Sterites & usually darker; 1st ~~to~~ ^{more} 2nd seg. dark red. Tergites 2-4 at the base more clearly & extensively punctured with slight rufosity & more shining. Propodeum dull, rougher with more distinct though feebler sculpture. Wings browner. Pygidial area very narrow, reddish. Calar hooks; 6-8 mm. - ferreuginatus

More slender & generally smaller. 1st to 3rd seg. yellowish red. Segment 2 & 3 at the base, 4 more extensively rufulose, ^{for} the rest strongly shining without or almost without punctures.

"Stutz & Seitenfelder" of propodeum (...Seitenfelder) with a distinct, but moderately strong polish

(or shine) the latter (i.e. 'Seitenfelder') sometimes entirely smooth or with scattered & remote, fine & feeble wrinkles; the 'Stutz' with more or less remote elevations. Pygidial area as in ferreuginatus. Alar hooks 5-6. hyalinatus length 5-6 mm.

20. Separates variegatus & affinis, If from some other
 (22)
 species not necessary to consider here. ~~Others~~

21. Head broader & thinner; face broader its punctures stronger
 & more sharply defined, the space between the ocelli & the eyes
 & the vertex being as a rule more densely punctured (i.e. than
 in affinis he does not mean more densely than the rest of face. RCLP.!!)
 Propodeum with coarser wrinkles, the sharp margin of the "Stütz"
 more strongly ~~raised~~ raised. 2nd tergite at base ^{depressed} ~~contracted~~ (not
 visible if the seg. is contracted) & finely rufulose & for about $\frac{1}{3}$
 of the segment ~~depressed~~ finely but clearly punctured, 3rd tergite
 with the same sculpture over about half; on 2nd & 3rd also
 often on 1st the apical portion is bounded basally by a row
 of feeble punctures.
 Underside of ^{flagellum &} antennae rufotestaceous; inner side of front tibiae
 apex of tibiae & the apical tarsal joints, more rarely the metatarsi
 reddish yellow. Seg. 1-3 strongly red, exception affinis v. small
 examples reddish testaceous, with the disc more or less blackish-
 marked. 5 & 6 alar hooks; 5-7 mm. crassus Thoms. (Variegatus var. thom.)

Head narrower & so in comparison thicker; face narrower, rounder, with
 v. fine & less definite puncturation, which on the upper part (i.e. on
 the vertex laterally) is moderately remote. Vertex strongly shining.
 Propodeum with much feebler sculpture, also the ~~circumference~~ margin
 of the 'Stütz' is not well defined. Tergite 2 at the base not
 depressed & here only to a very limited extent rufulose & very finely
 & indistinctly punctured, also on the 3rd tergite the sculpture is
 no stronger, but is more extended. Seg. 2 & 3 without rows of punctures.

Tarsi pale reddish yellow; seg. 1-3 yellow-red, exceptionally reddish testaceous, seg. 3 in red specimens often marked with black or occasionally entirely black; in ^(?dark) brown examples as a rule seg. 1 & 2 have dark brown markings; the apices of the segments generally broad & clear transparent yellow. 5 alar hooks. 4.5 - 5.5 mm. of occasionally larger. fasciatus V. tag (= affinis V. tag.)

The same species in Meyer's table.

- A. Larger species. not under 8 mm. ferrugineatus.
(under the name 'rufescens')
- Smaller sp. not above 7.5 mm. - - - B.
- B. Head seen from above broad - - - C
- - - narrow - - - affinis.
- C. Thorax moderately densely, but feebly punctured. hyalinatus
Thorax v. remotely punctured - - - variegatus

7.6.34. Upper Dargh, Parnassus dph., Co. WI. cont.

Meloboris 10.

2 Bumble

The Bumble 12. After 2 to 3 hours of rain.

8th June 1934. Rain came on at 7.0 A.M., owing to rain, but it cleared about 11.0 & fine & mainly sunny till 5.0 P.M.

Ran to Bray to visit J.M. Holbert, who did not turn up, so went on alone to the deep park, Parnassus, Co. WI, where arrived at 11.30 & found there had been less rain there than in Dublin or Bray, yet everything dripping & no wind.

After 12, noon, a slight breeze & sun soon dried everything & collecting good for rest of day (till 6.0 P.M.)

Spent day along river from "mouth of the loch" below the saw mill up to the "meeting of the waters", all on the floor of the deep park.

8.6.34 cont. Parnassus dph., WI. cont

Bombus lucorum 1 spm. ♀♀, very few, seen only.

Andrena cineraria ♀ seen at bottom, walking up first bank.

A. fucata ♂♂ & ♀♀ & A. picea ♀♀, at bottom.

A. albicans 1 ♀ seen on bottom.

Normada sp. ♂♂ & ♀♀ seen, probably all or mainly ruficornis.

Crabro reticulatus ♂♂ & ♀♀ taken at log saw sawmill & one dead & swept off a birch tree: only recently dead?

Tenthredella meridionalis, seen. T. tenuis ♂♂ on bottom.

Selandria verna ♀♀ in nest. S. thamniscus ♀♀ on bottom.

Stenopogon laticornis ♀♀ on bottom.

Dolichopus bimaculatus ♂♂ & ♀♀ common & Parnassus 10, 1 ♀ (small, not yet emerged, not seen).

D. piceus & ruficornis seen. D. leucostictus 1 ♀ in nest.

D. verna ♂♂ seen. D. thal. ♀ ? of nest & found.

Lodermus rectigaster, dark legged form, ♀♀ seen & found.

Two species, small, & off. bottom out of creek late in afternoon.

= Dimeris sticticus var. ♂ (Rück), see remark under ♀ on p. 65.

Crabro reticulatus 10, 2 ♀♀ (big, large) taken.

Antonia brachyptera 1 ♀ & 2 ♂♂. C. sp. 1 ♀.

Apelopus melanocerus? 1 ♀.

8.6.34 cont. Riverbank damp, cont.

Phaenocarpa *impipera*? 1♂
Phaenocarpa *pallidipes*? 1♂
Leucophaea 90 1♂ very small.
Chalcid *impl.*? *digitatus*? 2♀♀, in flower.
Pegomya 1♀ 2.10.34 also 10.3.
Phaenocarpa? 2 near 2 *Heritella*? very small ♂. 4 ants 1♀
Attractodes 1♀? *Leptocryptus* 1♂ that is
Phaenocarpa? 1♂ *Leptocryptus* 2♂♂.
Stenomacrus *ventralis* 1 red, ♀. S of 3 trap bank? *Leptocryptus*?
Mesochorus 1♂, reddish abd., very hairy, but call it *Mesochorus*.
Diapriid? 1♂. *Promethes* *pallidipes* ♂ & ♀ captured - ♀
Homocidus *laticinctus* 1♂. *Tryptus* *argutus* 1♂. *Triclistus*? 1♂
Hemiteles (5 or 6, ♂ & ♀) = *H. virgatus* 2♂♂ & *H. lyflei* 3♂♂.
Chalcid *impl.* *digitatus* 3♀♀
Mesochorus? 1 very long, that ♀. M. 1♂.
Phaenocarpa *pallidipes* 1♀, with 29-jointed antennae! *Apanteles* *decaus*? 1♀
Phaenocarpa *impipera*? 1♀
Proctos 1
Cynipid 2
Hom. fly *trichocera* F. *Pegomya* is out of flower. trap near bridge, but
Leptocryptus *alter* (2 sp.) 2♂♂ & ♀♀ at legs, also that spotted *Proctos* trap.

9th June 1934. Mainly dull, owing to conflicting E & W winds. with jam over hills & Dublin area. Very strong SE-E wind over plateau & hills near caught below 3.30 & 4.30 PM.

Drove with E.O.M. to Liffey Head Bridge, Co. WI. 1200-1500 ft alt. & walked pools S. of bridge & river, scarp above & below bridge. *Leptocryptus* all to fly owing to wind & only the larger ones seen on surface of pool. *Leptocryptus* *pallidipes* ♂♂ above scarp. Most insects "swarmed" from pools; a few caught amongst bushes, the rest swept amongst rocks by the river (mainly above bridge). Painted Lady, *Scythris* seen several times! *Bombus lucorum* a few ♀♀ seen: searching. *Leptocryptus* *digitatus*? 1♂, & 1♀ swept off rocks, & 1, just above bridge. *Stenomacrus* *ventralis* 1♀ swept just above bridge. *D. areolaris* ♂♂, ♀♀ common, 10♂ taken in very small & shallow.

Ich vol. I *Leptocryptus*? red abd., with spotted tail, 1♂ taken at bottom.
 " vol. II " *Leptocryptus* *pallidipes*? 1♂, taken at bottom, 1♂ on pool & at bottom.
 " " *Heritella*? ♂♂.
 " ? 1♀
 ♀ *Leptocryptus* *impipera* & very like *Stenomacrus* - In two most *Leptocryptus* *pallidipes* ♂♂.
Phaenocarpa ♂♂ (13).

9.6.34 cont. Liffey Head, Co. WI cont.

Repens *canina* ♂♂ & ♀♀ common, in pools & at liffey

mouth. *G. bellus* ♂ taken in ^{1 mile} mounds of dirt.

Glypta penicillata ♂♂ abundant, near in pools; 1 pair ♂♀

Tryphon *araneus* 1♀

Pimpla "*torquellus*" ? 1 large, 2 small, ♂♂.

Aglyptus 1♂

Stenomacrus 1♂

Oncophanes lanceolata 2♂♂, swift on *A. rubra* above bridge.

Proctos 1♂ { *A. rubra* " 1♀

Apanteles 3 sp. swift { *A. tetraneura* " 1♀

Dacnusa areolaris 1♀ taken { *A. frontalis* " 1♂

Proctos small black, small.

Garden, 14 Clareville Rd. Harold's Cross, Gal.

Nearly all hole in cloth-line post occupied at

7.30 PM. more made & one taken on *Crabro* *varia*.

run into small hole. The only hole occupied by a ♂

Megachile centuncularis; more similar & larger hole made

& another ♂ of same sp. found sleeping in *Ran. acris* flower
run into one of them.

10th June 1934. A perfect day. all sunny & too
hot for many insects about mid-day.

Drove, with G.H. Allen, to Cross Keys sandpit,
near Ballyjoshan Bog, Co. Wick, where collected for
an hour; then on to my bridge over R. Boyne, with
John Trim, Co. ME. where stayed till 2.20, then
on to scrub on old bog road near Ballykealy (W.
of Ballivor) Co. WH. where collected till 6.30.

Sandpit at Cross Keys, Co. ME. 11.0 till 12.0 noon
Bombus lucorum, *terrestris*, *agrorum* & *terrestris* ♀♀
Andrena *sericea*, *fulva*, *myrmecodora*, *grisea* & *subopaca* new
Halictus *rubicundus* ♀♀.

Nomada *manducator*, *prodenia*, *bellina*.

Phaenocarpa *divina*, *affinis*.

Crabro *pubescens* 1♂.

Salix *fusca* 1♀.

Varro *canis* swift, as last year!

Also 1 small black sp. 1♂, = *Pimpla* *padi* VRELL.

Exochus *nitens*? ♂♂ abundant at liffey.

Campoplegid 1♀.

10.6.34 cont.

10.6.34 cont. Railing, & river bank, & old sand pit 1/2
 R. Byrne, 1 mile below Trin. Co. ME. 12.30 - 2.30 PM
Bombus lucorum, *lapidarius* 1♀, *agrorum* & *terrestris*
Psithyrus niger 1♀ (Allen).
Andrena grisea, *nigropennis* 1♀ (Allen).
Homada maculosa, *pubescens*, *fulvipes* 1♀ (Allen).
Ephedrus affinis 1♀.
Crabro dimidiatus 2♂♂.
Lygromma laticornis 2♂♂, *Lodov. vestitus* 1♀.
Tenthredella monticola 1♀ seen on Bry. bank in pond at y. bridge.
T. atra & *T. arcuata* seen; also *T. meridionalis* & *T. lineata* (?).
Hamitula 1♂, & ? 1♀ 2 small of *cruciat*.
Mesochorus
Campoplegid 2♂♂. *Sacchar. citreipes* ? 2♂♂ abundant.

10.6.34 cont. Ry. E. of Trin, ME. cont.

Bracon affinis 1♂ *B. ustulatus* 1♀.
Apanteles fuscicornis 1♀. *Opius pygmaea* 2♀.
Chilomenus 1, small black. *Pentapleura angustula* 2, very small.
Proctos 1.
Beetle - *Hydrophilus bipunctatus* L. taken along old road near ry.!

10.6.34 cont. Scrub, &c., near Betty's bog, G.W.H.

Bombus terrestris 9♀ (1♀ Allen), *lucorum*, *terrestris* 9♀.
B. hortorum 9♀, *agrorum* 9♀.
Psithyrus distinctus 9♀, *compertus* v. *rossii* 1♀.
P. quadricornis 9♀.
Andrena toffanina 9♀ not seen in Verrin.
Halictus pygmaeus 9♀. (A. *willughbi* 2♂♂).
Homada lilliana 1 seen.
Sphincter laticornis 1♀, seen to Allen, but lost.
Periphr. laticornis & *shuckardi*.
Crabro laticornis, *abundans*, *varius* & *pubescens* 2♂♂.
 The last abundant on oak, &c., N of road.
L. tibialis 1♂, seen to Allen.
Pompilus opifex 1♂ on oak, seen to Allen.
Odynerus sinuatus 2♂♂.
Dolerus niger 1♀. *Salandria stramineipes* ? 1♀.
Athalia 1♀.

10.6.34 cont. Ballykealy, Co. LTH. cont.

Euphorbia helioscopia ♀ with yellowish red central segments, ♂

Crataegus 100.

Phytolacca vitacea ?? 100. *Cryptid*, red 1 ♀

Pimpla 14 *aurata* ♂. *P. aculeator* 1 ♀. *P. ovata* dark *Pimpla* ♂ 100. *P. 290*

P. ovata ♂. *P. latitarsis* 100. *P. altissima* & *holthoffi* ♂ 100, dark.

Glypta 2000.

Perithous dimidiatus 3000, 299 seen. *P. dimidiatus* 100.

Polyblastus varicornis ? 100.

Oenone cingens 1

Microplitis cf. *violacea* ?? 100.

13th June 1934. Garden, 14 Clareville Rd., Harold's Cross, DU.

Saw ♂ *Hydraea* (no doubt *H. communis*) on clothe line post
with *Crataegus*, also saw one a few evenings previously.

14th June 1934. Very hot, very damp, almost raining in
afternoon & evening, drifting to raining.

Down Out O'Murphy to the Hill of Ward, near
Athboy, Co. Meath, which he calls by the old name

TLACHTGA. No rain here, but dull & very warm.

Collected along roadside, in wood on SW side of hill,
(with grass, mud & blackberries) & in grassy part of hill: all quite
previous collecting ground.

Bombus lucorum - 2 sp. - about 299 cent, seen.

Andrena nitidella ♂ & ♀, first ♀.

A. pectorator ♂ & ♀ on larch. *Perithous podiceps* 1 ♀.

Perithous shuckardi 100. *Crataegus dimidiata* 100.

Dolichopus ♂ & ♀ in grassy

Tomostethus *ephippium* 1 typical ♀.

Pentathella *linda* & *maculata* common.

T. areolata seen. *Atelasia* sp. seen.

Amastigia *agilis* ? 1 ♀.

Homocidus - 1 ♂, with yellow face & about 14 gauded antennae.

Cryptus 1 ♂ & ♀

Cryptus 2 red & black 100.

14th June 1934 cont. Killij Bard (Tealaga), MS cont.

Purple alderman, 1 fine ♀ in wood. 3 "turnstones" ♀♀ examined.

Meadow Brown Butterfly first seen 1934.

Andrena lucida ~~1858~~ 99 sem. Grabe Leipzig. ♂

Solenaster gemmatus ♂♂ & ♀♀ was abundant in "mouth of the Cove"

2. Simulating 10³ mg seen with last. All other and 2. Present!

Sphenella sp. f. taken at peak forest colony

1/4 mil. N.E. of Esterfeld also also Little Tangieria pruinosa
Hylocichla ustulata. Sirochloa & Sirochloa lutescens, etc.

15.6.34 cont. Deerpark, Portmarnock, Co. WI. cont.

Zonitoides sp.

Proctos sp. 2 of 3 seen

Chrysomelid sp. 1 ♀

Cephus sp. 1 ♀

15.6.34 cont. Evening. Garden, 14 Clareville Rd., D4.

Spilomena *triglypha*. Two ♂♂ taken (♂ with seen), as well as

a very similar looking Chalcid, or rather two just

in garden at 7.30 - 8.0 PM

16.6.34. A very hot sunny day, with strong S.W. wind about midday, very calm in evening.

Glenmore, side of Devil's Glen, Co. WI.

11.30 till 6.30 PM. with F.D. Mather.

Bombus lucorum 4 ♂♂, *B. jonellus* 8 ♂♂, *B. agrorum* 4 ♀♀

Psithyrus *distinctus* 1 ♀ seen. *P. campestris*, 1 ♂ & 1 ♀.

Vespa (probably *rufa*) seen. *Vespa* *cyanea*? seen.

Andrena *fulvipes* 1 ♀ seen. *A. subopaca* 1 ♀ seen.

Halictus *rubicinctus*, *pygmaeus* (13), & *leucopus* seen.

Hyalura sp. 2 ♂♂ seen in old sandpit behind garden.

Crabro *leucostictus*, *diversus*, *rapae* 1 ♂, *abundant* ♀

Parnassius *monarchus* 1 ♀ at stump in field.

Trypoxylon seen at laurel stump near earth.

& no doubt a ♂ *T. clavicornis*.

Pemphredon *cupreus* abundant at stump in field.

Odynerus *trijunctus* 1 ♂ on edge of road above sandpit.

Pompilus (with yellow on spiracles, a little) seen in sandpit.

Bethylus *fuscicornis* swept by F.D.M. in grass on side of avenue.

Dolichopus *paucipes* 1 ♂. *D. nigricornis* 1 ♀.

Salix *justitarsis*? 1 ♀ on bush (F.D.M.) Not seen when collecting! on 5.12.1934.

S. thoracicus common

17.6.34 cont. Coon, Glen of Imaal cont.

Trichoptera sp. 1♂ (not *T. conspersa*, 1♂ (not 1♂)).

Euclyptus *laevigatus* var. *laevigatus* 1♂.

Campoplex 1♀ small ♂.

Stenomacrus 2♂♂ 1♀. *Diachasma* 1♀.

Aspilota 1♂ (2 small ♂♂) *Trichogramma* — 3 small ♀♀

Apanteles 1♂ (not *A. pectoratorius*) 1♂ (not 1♂).

Chorebus 1♂ (not 1♂).

Bracon mediator 1♂; 3 *fuscicornis* 1♂; probably both at 1.

Phaenocarpa *confusa* ♀ at 2, under scrub.

Oncophanes *tetralix* 1♂ (not 1♂) 1♂ (not 1♂).

Garden, Harrell's Cross, Du. as before.

or *Myadtil* with *Phella* seen on 16.6.34 & it &

several of *M. centurionum* sighted, occupying the large

holes found in clover-lime post; also a *Chrysi* (red ant. ♂);

& many *Bracon* various in the smaller holes. The holes are

often occupied at 5.30 PM. on my return from museum

even on fine days if not very hot & sunny.

[25.6.3. Took in garden: *Bracon* various, small *Diachasma*, *Phaenocarpa* *confusa* or *muscaria* ♀, *Oedematopis* *scutellator* or *Hemiteles* ♀, & *Syrphus* ♀.

[On 27/6/34 Saw a ♀ *Bombus* *lapidarius* on *Veronica* at back gate, 14 Blarney Rd. The first seen for some years, I think.]

24th June 1934. A wet day, with cold NE-E, wind & rain from early morning, after a somewhat sunnier day the day before.

Intended going to Termoneekin, with Allen, to meet Farin (of Carron); but put Allen off & drove to Derryhoda, then down N. bank of river to old sand-pit. There waited 15 minutes (11.20 - 11.35), & as no sign of Farin drove inland to New Bridge at foot of King William Glen. Crossed river at New Bridge (into Co. Meath!) & as rain ceased, walked along tow-path of old canal to Old Bridge, very nice indeed on a good day.

Canal, between New & Old Bridges, Co. ME.

Aerodactylus *dysentericus*? 1♀ on underside of lime leaf.

Two *Trypetidae* on lime.

Two *mevils* on lime also.

Roadside, New Bridge, where I think used to be, Co. LH.

1♀ *Campoplegid* on Elder bush.

Left New Bridge at 2 PM. & drove home, where still raining from Ballygan southwards!

KERRY TRIP 1934.

28th June. Left Lill at 8.50 AM & drove
via Marazion, Penryn, Newlyn, Limerick,
Newcastle West, Ballyvaughan, Killarney & Beaufort
to Glencar, Caragh Lake, Co. Kerry (S). Here
arrived at 6.50. Rain off & on during the
morning, but fine on the plain especially
about Limerick. Wind very strong W-NW.

Stopped for lunch at Sheshally, between
Toomyvara & Newlyn, Co. NT. but a heavy
fog squall prevented any collecting.

Stopped for afternoon just S of Headley
Bridge on Kerry side of river, where was oak
scrub, some planted Spanish Chestnut, much *Asplenium*
platyneuron & in an old quarry on roadside a great
host of *Passer montanus*. Here collected for
about 40 minutes. Then drove on to Killarney
to speak to E. F. Bullock, then to Glencar
where there had been no rain (a little mist only) all
day. After supper took one *Geometra* under
bank of old pine stump behind Glencar Hotel.

28.6.34 cont. Quarry on roadside, wet ditch,
& oak scrub, just S of Headley Bridge, N. Kerry.
3.30 - 4.15 PM.

Bombus agrorum ♀ & ♀ at foliage. *B. lucorum* ♀ at foliage.
Helictes fuscicornis ♀. *H. villosus* 2♀♀.

Andrena sandra ♀

Andrena wilkella ♀ at foliage. *A. angustior* 2♀♀ (♂♂) at foliage.

Sphex montivus ♀ at foliage, small but very good.

Homada liliana ♀ at foliage. *H. ruficornis* ♀ at foliage.

H. flavipennis 1♀ at foliage.

Crabro dimidiatus ♂♂ abundant about grassy.

C. ruficornis 1♂ with test.

Platylabus pedatorius ? 1♂

Ichneumon primatorius 1♀ on valley side of road, in ditch.

Selandria temporalis 1♀ & ♂♂.

Atalapha 2♂♂.

Oncophanes 1♂ & 1♀.

Dacnusa areolaris 1♂ in ditch. *D. areolaris* ♀ in ditch.

D. strigata 1♀ in ditch.

Aphidius 1♂.

Pimpla 1

Chalcid 1

29th June 1934. Very soft & warm, dull in forenoon but considerable sun in late afternoon & evening. Spent morning in scrub between Glencar Hotel & the Carragh River & the afternoon in woods along same river to its junction with the "Little Carragh" which drains P. Acrose. Then collection labelled "Glencar" AM & P.M. respectively.

Scrub between Glencar Hotel & Carragh River, SK

29/6/34 11.0 AM till 1.30 PM. (= "Glencar AM.")

Andrena fucata 1♂. *A. subopaca* 1♀.
Hypania corollae 1♀ by path down to river.
Crabro abjectus 1♂. *C. cetratus* 1♂.
Panurginus monticola 1♀.
Odynerus haemorrhoidalis 1♂, at top of hill of Little Carragh.
Leptothorax curvicauda 24♂ taken on stump.
Salix 1♀.

Meloboris punctata 1♂.
Euphranta connexa 1♀.
Pimpla cf. *stictica*? 1♂.
Ephectus tuberculatus 1♂, taken on hill, near top of path to river.
Trichostema podagraceum? 1. *T. nitidipennis*? 1.
Acrotomus laevigatus? 1♀.

29.6.34 "Glencar, SK. AM." cont.

Sagittaria 1♂. *Aspilota*? 1♂.
Bombus "var. *agrorum*" 1♀, small ♂♂. *B. agrorum* 2♂♂, one of which was taken on hill.
Aspilota 1♀.
Rhyssalus communis 1, *tertius* 1.
Phaenocarpa conspurcator 1♂.
Chalcid

River bank, scrub, marsh & woods, between Glencar Hotel & foot of the Little Carragh River, SK 29/6/34.

3.0 till 7.0 PM. (= "Glencar, PM.")

Andrena subopaca 1♂, 1♀, both. *Crabro cetratus* 2♂♂.
Panurginus monticola 2♂♂. *Salix monticola* 1♂ on bank by foot of Carragh. (just above its junction with the Little Carragh).
Trichostema monticola 1♀, small. *Aspilota* *pallipes*? 1♀, small.
Salix *abjectus*? 1♀.
Platylabus *relictus* 1♂. *Pegomya* *parvula* 1♀.
Dacnusa *coligera* 1♀ at top of Little Carragh? *Aspilota* 1♀.
Xorides *albicans* 1♀. *Opius* 1♀.
Xylonomus *irregularis*? 1 large ♀.
Pimpla *connexa*? 1♂, 1♀. *P. debilis*? 1♂, 1♀, one taken on hill.
E. hyalinus *punctatus*? 1♂, 1♀. *Aspilota* *pallipes*? 1♀.
Polyblastus 1.

27 & 34 cont. Glencoe, SK. P.M. cont.

Sagittaria 100

Onoclea 100

Brachyotus 100. *A. sp.* 100. *A. sp.* 100. *A. sp.* 100. *A. sp.* 100.

Opuntia 100. *Opuntia* 100.

Sp. sp. 100. *Sp. sp.* 100. *Sp. sp.* 100. *Sp. sp.* 100.

30th June 1934. A beautiful day, wind southerly, but considerably mist on mountains, which mainly spoiled view.

Climbed Barntual, 3400 ft., via Baker, 3200 ft., starting from NE corner of Lough Liscase & keeping along southern edge of Cromagh to Baker.

Everything dried up above 3000 feet & except for clouds of insects on summits, practically no sign of fauna. A few hymenoptera taken on way up, but day too hot & climb too arduous to permit any real hunting for same. Flora very meagre. *Sedum rhodiola* seen between Baker & Barntual at about 3,000 ft. at head of gully. No sign of *Juncus triglochin* on summit, though plants of likely rock just on ridge from Baker to summit.

on summit of Baker. *Sp. sp.* 100. *Sp. sp.* 100. *Sp. sp.* 100. *Sp. sp.* 100. *Sp. sp.* 100.

30.6.34 cont. Barntual, 3400 ft., The Reeks, SK.

Tenthrionidae 100. *Tenthrionidae* 100. *Tenthrionidae* 100. *Tenthrionidae* 100. *Tenthrionidae* 100.

Atalia cordata 100. *Atalia cordata* 100. *Atalia cordata* 100. *Atalia cordata* 100. *Atalia cordata* 100.

Delphinium 100. *Delphinium* 100. *Delphinium* 100. *Delphinium* 100. *Delphinium* 100.

Allium 100. *Allium* 100. *Allium* 100. *Allium* 100. *Allium* 100.

Pachyrhizus 100. *Pachyrhizus* 100. *Pachyrhizus* 100. *Pachyrhizus* 100. *Pachyrhizus* 100.

Delphinium 100. *Delphinium* 100. *Delphinium* 100. *Delphinium* 100. *Delphinium* 100.

Cratichneumon 100. *Cratichneumon* 100. *Cratichneumon* 100. *Cratichneumon* 100. *Cratichneumon* 100.

Stenomacrus 100. *Stenomacrus* 100. *Stenomacrus* 100. *Stenomacrus* 100. *Stenomacrus* 100.

Tricentrus 100. *Tricentrus* 100. *Tricentrus* 100. *Tricentrus* 100. *Tricentrus* 100.

Spilargus 100. *Spilargus* 100. *Spilargus* 100. *Spilargus* 100. *Spilargus* 100.

1st July 1934. Another warm day, with round sun & gentle southerly breeze.

In morning spent a couple of hours below Lough Liscase along Baragh River, above rocks, 11.0 till 1.30 P.M.

March. A small fly, Baragh R., above rocks, Glencoe, Co. SK.

Cratichneumon 100. *Cratichneumon* 100. *Cratichneumon* 100. *Cratichneumon* 100. *Cratichneumon* 100.

Tomotellus 100. *Tomotellus* 100. *Tomotellus* 100. *Tomotellus* 100. *Tomotellus* 100.

Pimpla 100. *Pimpla* 100. *Pimpla* 100. *Pimpla* 100. *Pimpla* 100.

Tryphon 100. *Tryphon* 100. *Tryphon* 100. *Tryphon* 100. *Tryphon* 100.

Pimpla 100. *Pimpla* 100. *Pimpla* 100. *Pimpla* 100. *Pimpla* 100.

Tryphon 100. *Tryphon* 100. *Tryphon* 100. *Tryphon* 100. *Tryphon* 100.

Pimpla 100. *Pimpla* 100. *Pimpla* 100. *Pimpla* 100. *Pimpla* 100.

Tryphon 100. *Tryphon* 100. *Tryphon* 100. *Tryphon* 100. *Tryphon* 100.

Pimpla 100. *Pimpla* 100. *Pimpla* 100. *Pimpla* 100. *Pimpla* 100.

3rd July 1934. Another very hot & perfect day, all sunny.
 Drove by new road on west side of Barroch Lake, to dunes
 at Rosneath, S.K., where collected till 4.30 P.M. Then
 drove home same way & collected on shore of Barroch Lake
 about a mile above outlet & in woods E. of Blackstone
 Bridge, for an hour.

Salt-marsh, with rushes, & sand-dunes, Rosneath, S.K.
 12.0 noon till 4.0 P.M. Cooler, with fresh SW breeze.

[Saw many on N side of dyke just above the fine
 clump of *Lathyrus maritimus*, which was introduced
 here a few years ago. It is in full flower & a fine sight.]

Crabro pallens ♂ & ♀, other small & dark & thin

Mydalis nigripes ♂ & ♀, abundant in the flowers (blossoms) - dense.

Some ♂♂ very small, some ♀♀ very large.

Metacoelus ♂ & ♀.

Pompilus pectorator ♀, other small. *Campoplex* ♂ & ♀.

Odynerus bimaculatus 1 ♀

Euclyptus ? *occipitalis* ? red ♂. *Rangia* ? 3 ♂♂

Cryptus 1 ♀

Phaenocarpa ? 1 ♂.

Attaculus of ? 2 ♂♂, 1 ♀

3.7.34. Salt-marsh & sand-dunes, Rosneath, Co. S.K. cont.

Amelita of ? 2 ♂♂, 1 ♀. *H. of ?* 1 ♂. *H. of ?* 1 ♀

Campoplex 2 ♂♂, 1 ♀.

Spalangia ♂ & ♀.

Apanteles ♂ & ♀. *C. fulvipes* ♂ & ♀. *C. of ?* 2 ♂♂.

3.7.34 cont. Fields between road & lake shore,
 W. of Barroch Lake, about a mile above outlet, S.K.

Exochus 1 ♂

Pimpla ♂ & ♀

Mesochorus of ♂. *Polyblastus* 4.

Microgaster glabellus ♂

Apanteles ♂

Phaenocarpa ♂

" ♀

3-7 34, 5-30 to 6-30 PM.

Bond stump & logs, 2', along roadside, just E. of
Blackstone Bridge, Glenora, Co. SK.

4th July 1934. Another very hot day! All sunny.
Collected a few insects by L. Brown & its outlet
stream (i.e. "The little Carah"), Glenear, SK, in morning.

4.7.34 cont. In afternoon, 40 HU 6-30 PM

again went to Blackstones Bridge, & collected at
ford stumps, &c. by roadside E of bridge, as on previous
day, & also at stumps, &c. above the bridge. Ran the
train over the Little Caragh is., as on the aft. of 29. 6. 34.

Blackstone, Glenca, S.K.

Pemphredon bipunctatus 1 ♀

4.7.34 cont Blackstone, Glencar, SK cont.

Phaenocarpa? 2♂♂ at stump.

Hemiteles ruficeps? 2♀ at stump.

" *inimicus*"? 1♀, at wood stump!

" *lucorum*? 1♀. H. on Oak, Blackthorn 1♀.

2 or 3 of *sticticus*? (S. 1st). H. of 2.

Dacnusa areolaris 2♀♀ at stump. *Centistes* — 1♀.

Microgaster albicinctus? 1♀. *Ichneumon filicornis* ♂.

Colletes lucorum 2♀♀.

Opius

Microgaster depressus ♀ on stump.

Perithous ruficornis 1♀ at stump. *P. modestus* 1♂.

Campephilus red ♀. *Sagitta* 1♂.

Pimpla fulvipes 1♂.

Opius of *lucorum*? 1♀.

5th July 1934. Another perfect & very hot day, but a few clouds.

Walked from NE corner of L. across to boundary, below Baker & Barnard. alt. of lake just below 1500 feet.

Collected a few ich. from 1000 feet up, but most taken above 1300. Large ones all taken amongst rushes along edge of small "lake" on edge of "moor": here also took the two *Dolichus*.

Bombus lucorum, *agrorum* & 1♀ of *terrestris*, only, seen.

Chalcidius series? 1♀.

Dolichus pulchellus 1♀ swept amongst rushes. *Euclyptus lucorum* on N shore of lowest tarn. 1♂ swept with last.

Ichneumon 1♂ on shore of tarn, at inlet.

Anthracinus pallipes 2♂♂ swept amongst rushes on N shore of "tarn".

Hemiteles 1♂. Red *Chalcidius* ♂.

Euclyptus sinuatus 1♂. *Perithous filicornis* 1♀.

Microgaster 2♀♀. *Campephilus* 3 small specimens.

Down to Blackstone bridge & collected from 11.30

Feb 1.0 P.M. at stampers between that & the ^{1st} bridge over the Little Baragh. Then drove on to Baragh Lake & collected along shore at creek end near, & on, O'Donoghue's Island, on west side of lake.

Stump & logs, 1" between Blackstone Bridge &
the "Little Carap" port bridge, Gloucester, C. S. K.

11.30 till 1.0 PM

The 29 blackish on opposite page named - 1939
 13 *Serrine*, are *Eupatorium rugosum* ^{Stm}
 A.H.S.
 25/3/39

Ephraïm

Oak wood, lake shore, roadside, & marsh, on or just S. of
D. Longhwa's Island, Camp Lake, Co. SK. 1.30 to 4.53 PM

Books given, two seen.

Rumex *hillebrandii* 90 m, 2 to 4.

Sphaerulus 19 tub. of reddish

Hyacin (common?) 1/2 seen in bank on road.

87 34 cont. L. Nabeska, Co. SK cont.
Leucophaea pumila 2♀♀. *L. demissa* 1♀. *L. f.* 2♀♀
Theridion of (*T. exilis* or *calypso*?) 1♀. *Phyllocnistis* 3 of *fulva* 1♂
Mamestra 1♂
Phyllocnistis 1♂ (= *Practica*?)
Scaphium capite 1♀
Capitator 1♂
Ephialtes 1♂
Attila cordata 1♂. *Stenophaga* *lucida* 1♀. *Selandria morio* 3000+
 (1 seen by R.C.L. P.13.2.35!)

8th July 1934 cont. Evening.

A few insects collected with net in glass porch
 of hotel, Glenageary, Co. DK. 8.0 to 9.0 PM.
Spilonota leucosticta 1♀. *Crataegus* *chrysomela* 1♀ (abundant)
Vespa vulgaris 9♀ (abundant)
Bombus lucorum 1♂ & *B. lucorum* 9♀ (abundant), *B. pratorum* 1♀ &
Hemiteles 1♂. 2♀♀, red abdomens.

Procto

9th July 1934. A still better, blazing, day!

Did not go out till after early tea, i.e. about 7.0 PM.
 Then drove to Blackthorn Bridge, & with George's
 help, spent 2 hours collecting. *Ephialtes* 1♂ at the
 logs & bare lolly stumps by the bridge on the
 Little Baragh & in woods between that & Blackthorn
 Brook. *Lucia* 1♂ & 1♀. Still at work at 9.0 PM.

Vespa sylvestris seen.
Crataegus *retorta* very abundant & still working at 9.0 PM.
 brought to 1 *Crataegus* *retorta*, red & 1 *Crataegus* *retorta*
Hemiteles 2♂♂. *H. rufipes* 1♀ on stump.
Ephialtes *lucida* 1♂ at stump.

Ephialtes many 9♀ with very long feet
 " " not so long feet
 " 1♀ (young) short feet.

Xoridea albitor 345 at lolly.
Phyllocnistis *capitata* 1 large ♀. *Phyllocnistis* *lucida* 1♀
Phyllocnistis *incitator* 1 large ♀ (George), at stump.
Leucophaea *demissa* many 9♀ on lolly.

Spilonota *cordata* 2♀♀. *Chalcidius*

10th July 1934. A similar day.

Did not go out till after tea, about 6 PM., then went to Blackstone Bridge & with George, half cleared up the stump below that & the little bog. Glencar, SW.

Taken - glass front of Glencar Hotel, 10.34
Rhyssalus pumilio 1 ♀
Mesochorus 1 ♀
Hemiteles ? 1 ♂, red legs, black joints.

Remaneia flavipes 3

Tenthredinella alba 4

Chalcid

Chalcid 3 ♀♀ at stump.

Chalcid 1 ♂ & 1 ♀ - very green & 1 ♂ black.

Agathidium 1 ♀ at stump.

Agathidium 1 ♂ at stump.

Agathidium 1 ♀ at stump.

Agathidium ? 1 ♂ *Polysphincta* 1

Onychophora 1 ♂

Spalangia 1 ♂

[George & George took a record 1 ♀ *Admonia* *decolorata* on leaf of White Water Lily, in boggy place, below Glencar Hotel, at 4.10 PM. on 10/7/34 as well as many specimens of *Donacia* *variegata*!]

11th July 1934 Not so hot, & a few clouds about in afternoon, thundery looking, glass & little rain.

Went again to Blackstone bridge & worked up to the little bog, as before. 12 noon till 4.0 PM.

Bombus lucorum, *agrorum* & *terrestris* seen.

Vespa *vulgaris* & *crabro*, 4 ♀♀ & 1 ♂ of *procera*, seen.

Scolia *notata*, 1 ♂, red at taken by George.

Chalcid *aphidivora* 1 ♀ at *Scolia* on left bank of Little Bog, just below foot-bridge.

C. celtica abundant. *C. abjecta* seen.

C. claviger 1 ♀ at stump.

Pimpla *lugubris* 9 ♀♀ seen, but only 1 ♂.

Andrena *victrix* 2 ♂♂ seen.

Hyalocampa *expansa* 1 small ♂.

Tenthredo *crucians* 1 ♀ seen, on only.

Tenthredinella *viridis* 1 ♀ seen.

Athalia seen. *Selandria* *sericea* 1 ♀. *Scolioneura* *luteola*, 1 ♀. file RCL.13.2.35.

Platylabus *undipennis* ? 2 ♂♂. *P. sp.* ? smaller ♂, smaller ♀, both at stump.

Chalcid *portus* ? 1 ♀. *Leptocryptus* *clavicornis* 2 ♂♂.

Hemiteles ? 1 ♀.

11.7.34 cont.

12th July 1934. Berwick, being, rather a little for the day.
 The morning opened slowly & misty, rain came
 on as we left Glenasmole & drove along the side of
 Baragh Lake to Glenties & all the hills were
 shrouded in mist. Stopped for lunch at
 Glenties, walked up to Glenasmole by road, then
 drove down through the gorge into the
 sea, the lower part apparently cut through the clay,
 suggesting a recent uplift of the coast by about
 100 feet. Then drove on via Ballyvaughan to
 Waterville & Berwick. Stopped for tea on
 roadside, S. of Waterville, overlooking Ballinacorney
 Bay - beautiful view to the Sp. Skellig, but
 country very bare & dry with drought. Arrived at
 Berwick about 5.0 P.M. [Road S. of Ballyvaughan
 through the hills from Waterville to Berwick very good.]

Spent at Glenasmole Viaduct, N. of Berwick, Co. SK.
 1.0 - 2.0 P.M. Looking up, but after rain.

Pachypodius antennalis 1 ♀

Chalcid *lucorum* 1 ♂ taken after rain.

Lissonota 4 ♀ seen at stump, but not taken.

Microgaster 1 ♂

12. 7. 3.4 cont. Evening. 5.0 - 7.0 P.M.

Went behind dunes, above the Berwick Hill,
 Berwick, Co. SK.

Bombus agrorum, also one *Lepidodermis* on *Andromeda*
 [*Pimpla guttata* 1 ♀ on sandy clay, & *Chalcid* 1 ♂]

Hemiteles small ♂, red legs, with yellow "spots", seen, but not taken.

Glypta elongata ? 1 ♂ & 1 ♀.

Pimpla *Macgillivrayi* 1 ♂.

Promethes *deceptor* ? 1 small ♂.

Bracon *inimicus* ? 1 ♀.

Meloboris (*Leidingeri*) *arvensis* ? 1 ♀. M. - red wings, mostly black.

Microgaster *arvensis* 1 ♀ swept among sand, etc. [Spec. to Nixon 12.11.34] A.M.S.

M. 1 ♂. *Apanteles* *inimicus* 1 ♀. G. 1 ♂.

13th July 1934. After heavy downpour at night many showers in forenoon, getting lighter & the afternoon fairly fine, rain sun. Spent morning clearing off accounts, but in afternoon, 4.30 till 7.0, walked across sands to Abbey Island, Bangor, where *Simethis bicolor* plentiful & just coming out of flower. Swift seen nearly till, but too strong (W-NW) for much to be out.

Bombus agrorum a few ♀♀ & ♂♂ seen.

Agria variegata a fine ♀ swept in marsh just NW of mine & almost the most extraordinary place to take this species & the last I would have expected to turn up in such a place in such a day. She is no doubt spider-hunting!

Agria ♂

Empis borealis 1 ♂

Meloboris 1 ♂ red cross

Bombus terrestris 2 ♂♂

Aspilota ♂

14th July 1934. A fine day, but many cloudy spells & high NW wind rather chilly.

12.0 noon till 1.30 PM Lord Adair's woods

behind hotel, Bangor, but then largely spoiled by imported plants, e.g. *Rhododendron*, being run wild. *Labelled* "Bangor woods"

Bombus agrorum & *terrestris* seen.

Vespa rufa ♀♀ & ♂♂ seen, 1 ♀ examined.

Andrena sp.? seen near Lodge.

Halictus fuscicornis full ♂♂ with test.

Pemphredon longicornis ♀♀ seen at old log, where also a ♀ *Cratichneumon*? taken investigating hole.

Atalapha cordata? 2 ♂♂. *A. longicornis*? 1 ♂. *Atalapha* ♂♂.

Ichneumon insidiator? or *brachistochneumon*? full ♂♂. *Ichneumon* ♂♂.

Centistes? 2 ♂♂. *Cratichneumon* ♂♂. *Pimpla* ♂♂. *Pimpla* ♂♂.

Euphranta, red, 2 ♂♂, 1 ♀.

Hemiteles 1 ♀ with very marked abdomen.

Chorebus ♂♂. *Agilis*? 1 ♂, 1 ♀, 1 ♂, 1 ♀.

Aspilota 1 ♀. *Aphidius* 1 ♂.

Proctos 3

Cynipids 1

14. 7. 34 cont. Afternoon. 2.30 - 7.0 PM.

Had two falls in mud & edge of woods
behind the dunes & east of Sargassum lot.
Some sun but chilly wind.

Bombus agrorum & *B. lapidarius* 1♀, & several ♀♀,
most of the latter at flowers of Sea Holly.

Psithyrus rupestris 1♀ seen in woods.

Halictus pygmaeus & *albifrons* ♂♂, very fresh.

Hylaeus *impositus*? 1♀ by wall on edge of dunes.

Vespa rufa ♀ seen.

Pompilus plumbeus ♂♂ & ♀♀ seen, but few, on dunes.

Myrmica lasionotus, ♀ examined. *Formica fusca* seen.

Lasius niger common.

Tenthredella monticola? typical ♂, & black thorax ♀.

Stenobothrus curvatus, slightly coloured ♀. *Dolichopus palustris* ♀

Phaenocarpa 1♀. *Leptocryptus* 1♀

Cryptus 2 ♂♂.

Exochus *inhyatus* 1 ♂, small ♂, with pale yellow stigma.

Glypta elongata? 1♀. *Proctosphaera ruficornis* 1 ♂.

Meloboris 1 ♂, 3 ♀♀.

Angitia 1 ♂, 2 ♀♀. *Halictus* 1 ♂, 1 ♀. *Leucophaea* 1 ♂.

Hygroplitis ruficornis 2 ♀♀ in 'minty' place in marsh.

Agrotis 1 ♂, 3 ♀♀, on moss.

List of *Aculeata* taken in

at 2K.

seen as usual from
edge of dunes, etc. (by dunes)

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

4, THURLESTONE ROAD,

NEWTON ABBOT.

DEVON.

13. ii. 35-

Dear Stelfox,

Your box arrived by last post yesterday, so that I was only able to look through them in a poor light at 5 p.m., but I made them out correctly so far as I can see after a careful examination this morning.

Cross wise left to right as they now stand they are:

1st row. Nomada rufipes ordinary black & I took one half this size of
last year - the smallest I ever saw! Crabro (pubescens) nigrita
(Kohl doubted whether the old name nigrita really referred to this species, but
I think it does) Selandria morio. Scolimeura betuleti Kl
(betulae Zadd. & betuleti Kl. I do not distinguish as to size of
to differ in the color of wings: 'blackish infusate' &
'light grey infusate'. Too subtle for me as a specific character!
& I forget which name has priority

2nd row. *Pamphilus pallipes* ♀ var. *Pterandria segmentaria*
Pristiphora pallipes ♀. Hardd. +
 Co. Du. AWS. 16-8-34.
 Abbey Isl. Darrynane, AWS.
 Co. SK. 21-7-34. P.M.
 Darrynane Co. SK. AWS.
 16-7-34.

216 raw. *Poecilostoma* (Emfric) *abdominalis*, *Emphytes carpinis* ♂.

4, THURLESTONE ROAD,

NEWTON ABBOT,

DEVON.

Notes. Theoretically N. rufipes ought to be par. in one of the ~~the~~ tarsata group, like its allies & it is curious that it should (at least normally) have transferred its attacks to the fuscipes-ventriculata group. A close allied species occurs on the Continent with Andrena nitidiuscula & might possibly be in S. England. That Andrena, as you know, is close allied to chrysocheilus & is ~~the~~ one of ^{the} group with ♂ yellow clypeus, though unfortunately itself has a black one!

Your pubescens ♂ sculpture I take to be pathological, the wise it would make a new race & subsp. ! It is ~~the wise~~ ^{in other respects} like may I have seen, though the species is variable & I have called some pubescens Shuckard & some inermis Th.

The Pamphilus, like others I have seen, does not run at all well in Enslin, but I take it to be a submelanic var.

of pallipes, ~~even~~ unless you caught it in a birch-^{less} locality! It is quite likely that Br. pallipes are more when ^{from the Continental.} racially distinct.

Emphytes carpini I have & Enslin were very weak on the ♂♂ of these, as Br. carpini do not (at least as a rule) have ~~the~~ white tegulae! & Enslin's general descriptions of these Emphytes are ^{insufficient.} very ~~weak~~. Tener & carpini ♂♂ were laterally mixed & I have no specimens for actual comparison, but the 3rd ant. joint of carpini is less stout & different from that of tener & (as Enslin says) the latter has ^{practically} simple, carpini & pallipes more ~~than~~ bifid claws.

13. 2. 35.

4, THURLESTONE ROAD,

NEWTON ABBOT,

DEVON.

I have not seen a ♂ of fallipes, as it is normally parthenogenetic,
 & I only once heard of a ♂ — one bred by Peacock after numerous
 generations I think, when he was working on the species.

I am returning your box herewith, as though I can't get to the P.O.
 myself, there being no one except myself & wife at home, I
 have an opportunity of sending it there by another person.

Richard is photo-ing ships at Portsmouth to-day & our servant
 is off duty this afternoon.

I sent back Miss Cheesman's New Hebrides Halicti yesterday.
 I could only make them into 6 species & did not describe them,
 but merely sent her on some of my notes for her to do so. They
 are quite nice things, all of the same group as the Fiji
 & Samoan forms, but distinct as species. I doubt whether any
 of them have been previously described. They might be identical
 with off. from New Caledonia, if any are described thence,
 but I cannot look into this from here. In hope & with kind regards

Yours very truly

R. C. L. Perkins

Specimens named by R.C.L. Perkins; with letter dated 17.9.34.

Fenella nigrita Westw. [♀] Near Bormahen L., WH EOM (with AHS) 3.7.33

Blennocampa pusilla Kl. [♂] Termarjeekin, LH. AHS 9.7.33.

Pachynematus sp. } ^{20702 Bunduff, SL. AHS. 11.8.33} Probably the form I have called 'umbripennis' with doubt.
do. do } ^{and Boan, Co. WI. AHS. 25.6.33.}

Our British specimens of the clitellatus group will rarely run down with any certainty in Endlin's tables & the whole lot want special collection & weeding & then total revision. I have seen many ♂♂ just like these. Endlin says umbripennis ♂ has the costa 'brownish', & ^{that} of diaphanus clear yellow, ~~but~~ ^{with} clear hyaline wings, but this does not agree with my naming of Br. specimens.

Selandria fürstenbergensis Kon. ♂ ^{Powassent, Dpk, Co. WI. EOM, AHS. 30.5.33.} I don't remember whether you sent this before, but I now had an Irish specimen sent me, I think, by some one else. It would be in the Oxford Mus.

Fenusaella pygmaea Kl. [♀] Kilkea Park, Athy, Co. KD. AHS (26.6.33)

Monophadnus pallescens (albipes) Small } I see no difference of
^{Travallua, Co. SL. 29.7.33 AHS.} note in these except size
do ♀ large ^{S. J. Athy, Co. KD. AHS. 21.5.33.} & that the smaller specimen has the antennae pallidapically.

Pristiphora fulvipes Fall. imperfect ♀. Carton, Belmullet, WM EOM. 5.9.33.

Emphytus perla Kl. Travallua, Co. SL. 26.7.33.

Priophorus tener ♀. Finner, Bundoran, Co. ED. AHS. 10.8.33.

Heptamelus ochroleucus Hal. ♀ Shriff Wood, R. Gill, Co. LE. AHS. 5.8.33.

Andrena subopaca ♀ Kilcullen, Co. WI, J.N. Hildart.

Pteronidea vivesia ♂ (starved) Miss Scott. Glenree, WI. 12.5.33
R.C.O.

Trichocampus sp. ♂ Min Scott 2 Bohemian, Ill. 26.5.33.

This is the Tr. which I indicated as new in my tables & collection & I think Benson has now described it, but I cannot refer to the literature at present. No doubt you will know of his paper, if it is described.

Eygaeonematus loricis ♀ (bad specimen for determination!) Min Scott Bohemian, Ill. 26.5.33.

Pristiphora pallidiventris Fall. Var. haemorrhoidalis Esch. ♀ (bad for determination) Min Scott. Head of Pownesscount 24. (Old Colony Rd) Co. WI. 19.5.33.

Pachynematus sp. ♀. Like ♀♀ I have caught of the distellatus group. Specimens like yours but with paler 9th tergite have been generally referred to apicalis. Some with more strongly punctate mesopleura run more or less to moerens, but the whole matter of these Pachynemati is most uncertain. Min Scott. Same loc. & det. as last. 19.5.33. rather recently

Pteronidea sp. This looks to me like the species described by Benson from my material. I forget the name, but I think he used a name I proposed in my M.S. table. probably leucota. No doubt you have his paper & could compare this insect. Min Scott. Swept off Salix, Glenageary, WI. 12.5.33.

Pontania leucapora Tisch. ♀ Min Scott Glenageary, WI. 14.5.33.

Nematodes ♀ Glenageary, Dec J. N. Halbert. 14.6.34.

Specimen on ~~the~~ white mount is one of those forms intermediate between luteus & bilineatus & with curious color characters. Esch. says the species of this genus interbreed. There may be something more known since Esch. but I have not the latest literature on sawflies.

Keep this but tell you get the box
The bees have names
under loc. labels

4, THURLESTONE ROAD,

NEWTON ABBOT,

DEVON.

17. XII. 34

Dear Stelfox,

I packed up your box of samples to-day,
but our P.O. is already so crowded with parcels &c
for Christmas that I don't think I will send it till after
the 25th.

Although I have not really decisively named several things,
this is because they belong to groups of species which are in
a quite unsatisfactory condition, where the limits between
species & varieties are quite uncertain. This seems to me
particularly so in the Pachyrh. ditellatus group. I bred
♀♀ of ditellatus on different occasions from Carices, but the
♂♂ were always what Enolin calls Xanthocarpus, though they belonged
of course to the above-named ♀♀. That there are several Br.
species in this ditellatus group I feel sure, but they need
very special working at & breeding. The Amamorenatus — might
almost as well be considered a Pteronidea! — is the best thing in
the box, I think, & I can hardly doubt that it is the tunicatus of
my collection.

P.T.O.

RECEIVED FROM THE

RECEIVED FROM THE

RECEIVED FROM THE

Here is the list:

1st row (across)

R.C. Jarvis 198.
Sandpit, Anns Rd.
Co. CV. 14.6.33.

Pachymenates ♂ of clitellatus group. in my H.S. tables given as sp?
(under heading 5) [more named such specimens ♂ clitellatus
simply on the colour of the tegulae. The force or impression in
the process of 8th tergite is the ^{real} important structure in this form &
has not been noticed by Enslin & others. Its ♀ is probably some
thing at present included under clitellatus ♀] 2 ♂ Blennocampa
tenicornis, 2 ♀ of clitellatus group [the first would run
to clitellatus in Enslin, the second to diaphanus! but bears
might be ~~var~~ var of one species] Blennocampa humilis ♂, Cladius
pectinicornis ♀, Slade, Suggart, 24.6.6.34. ✓

Salt marsh, Youghall, EC.
J.N. Hubert Aug. 1933.

Rakeen, WI.
14.5.34. ✓

Kilcanny, CW.
21.5.34. ✓

Clara, WI.
22.4.34. ✓

2nd row across

Pristiphora geniculata ♀, Sphec. variegatus ♂, Amauronema. tenicatus ♀ of
my list [Enslin says megastomum finely & not densely punctured with which I
don't agree] Platycampus luridiventris ♂, Dimeris stictica ♂ var. D. testaceipes
♀ var. [? are these more than a single species]

on Mt. Ash,
above fall,
Powerscourt, DPK.
WI. 7.6.34. ✓

Enslin!

S. of Bridge,
Healy, Co. NK.
28.6.34. ✓

Powerscourt, DPK.
8.6.34. ✓

Powerscourt, DPK.
15.6.34. ✓

3rd row:

Brookly, ME.
10.6.34. ✓

Trim, ME.
10.6.34. ✓

Priophorus fadi ♂, Gygaeon. laricus ♂, Selandria temporalis ♀, Pteronidea
hypocantha ♂, I think, - difficult without specimens for comparison - Pteronidea
feruginea var. ♂ Looks to me like other small web specimens I have
had of this. Not the least like any polyphila I ever saw, & I could not have
named it so, I am sure. Probably has been some mix up of specimens.

Coan, Glen,
J. Small,
WI.
17.6.34. ✓

4, THURLESTONE ROAD,

NEWTON ABBOT,

DEVON.

I also put in 1 ♂ German niger collected by Nixon & given me.
It is not v_g good, but my interest you ~~to see~~, as I have only
~~seen~~ seen about half a dozen British in all. It is not considered
v_g common abroad either.

I have not ^{myself}, so far as I can remember, used the names fasciatus
& miniatus for our two little Sphecodes in print, but Bliethgen
naturally has.

The nearest glance at the relatively large lacinia of ♂
miniatus will at once distinguish it from ~~off~~ fasciatus.
External characters are v_g poor. Chambers sent me a dozen
or more ♂ Sphe. supposed by him to be demidiatus, but only 2 were so.
I picked these out correctly before examining the genitalia,
how I know not. The mesosternal punctures of the one are much
denser & stronger than in the other. ~~There~~ Similar variation
occurs in (variegatus) crassus th. The ♀ of the latter is sometimes
almost like miniatus, sometimes like fasciatus & I can send you
nothing at present that would help in distinguishing the sex.
I have scribbled this in great haste & hope I have made no
errors & that it is legible! With kindest regards & best
wishes for the season

Yrs very truly

R. C. C. Perkins.

List of Aculeate taken in
West Galway, Aug. 1934, by J.N. Halbert.

Ceraphron maculatus ♀. L. Maumeen, near
Roundstone. 19.8.34.

Pompilus ruficornis ♀. L. Rannaghmore, near
Roundstone. 23.8.34.

Nomada obtusifrons 2♀♀. Ballinabry L. 21.8
& Faul L. & marsh, 22.8.34. Clifden.

Habitus altipes ♂♂. L. Rannaghmore: 23.8.
Clifden: 20.8; Ballinabry L., Clifden, 21.8;
L. Faul's marsh, 22.8; & ♀♀ at Ballyachind
24.8.34.

H. calceatus, ♂♂. "Rock Glen", Clifden, 21.8.34.

H. freygessneri ♂♂. Clifden, 20.8.34;
& in "marshy ground around lake, Clifden", 30.8.34.

BAORSCÁC ÉIREANN

Telephone No.:—
DUBLIN 62286.

ÁRD-MHÚSAEUM NA h-ÉIREANN
(National Museum of Ireland),

SRÁID CHILL DARA
(Kildare Street)

BAILE ÁTHA CLIATH (DUBLIN),.....19.....

BAORSCÁC ÉIREANN

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(National Museum of Ireland),

SRÁID CHILL DARA
(Kildare Street)

BAILE ÁTHA CLIATH (DUBLIN),.....19.....

J. F. Bullock coll.
Andrena junciper ♀
Andrena marginata ♀ }
 near L. Guitane, Killarney, NK.
~~Sept.~~ 1934.
 ? Aug.

and also 2 ♂♂ of latter
 parasite *Nomada argentata*
 in his old garden near R.
 Fleck, Killarney, later in
 August-1934.
 A.W.S.

14. 7. 34 cont. Afternoon. 2.30 - 7.0 P.M.

Had two spells in mud & edge of woods
behind the dunes & east of Garrymore hotel
Some sun but chilly wind.

Bombus agrorum & *B. lapidarius* 1♀, & several ♀♀,
most of the latter at flowers of Sea Holly.

Psithyrus rupestris 1♀ seen in woods.

Halictus pygmaeus & *albifrons* ♂♂, very fresh.

Hylaeus confusus? 1♀ by wall on edge of dunes.

Vespa rufa ♀ seen.

Pompilus plumbeus ♂♂ & ♀♀ seen, but few, as dunes.

Myrmica laevinodis, ♀ examined. *Formica fusca* seen.

Lasius niger common.

Tenthredella monticola? typical ♂, black behind ♀.

Tenthredella inaequalis slightly changed ♀. *Dolerus palustris* 1♀

Phaenocarpa 1♀. *Leptocryptus* 1♀

Cryptus 2 ♂♂.

Exochus *inhyatus* 1 ♂, 1 ♀, with pale yellow stigma.

Glaphys elongata? 1♀. *Centistes rufiventris* 1 ♂.

Meloboris 1 ♂, 2 ♀♀.

Angitia 1 ♂, 2 ♀♀. *Halictus* 1 ♂, 1 ♀. *Chalcid* 1 ♂.

Myrmica ruginodis 2 ♀♀ in minty place in marsh.

Exochus 1 ♂, 2 ♀♀, 1 ♂, 1 ♀.

14. 7. 34, afternoon cont.

Marsh & dunes, Garrymore, Co. SK.

Daenusa fulvipes 1♀ swept in marsh. 1 ♂ (swept in marsh, but not taken)

D. reticulata 2 ♂♂, 2 ♀♀, seen but not taken (= 1 ♂, 2 ♀♀ of *Daenusa*?)

Perithous 1 ♂, 1 ♀. *Aphidius* 1 ♂.

Bracon fulvipes 1 ♂, 2 ♀♀. *B. fuscicornis* 1 ♂, 1 ♀.

B. apiculator 1 ♀.

15th July, 1934. A wet morning, after a night with
clearing about mid-day, though drizzle & no sun all day.
Strong W. wind.

Did not go out in morning but in afternoon walked
out to The Harbour, then up hill to Salsburgh road &
back to Garrymore by road.

Lasius flavus nest seen above harbour & swept ♀♀.
day out. water not found.

Proctos 1 ♂, 1 ♀ taken on roadside on way down
to Garrymore.

Microgaster or *Microplitis* with lat.

16th July 1934. A windy day, SW & S, sunny,
dull in evening, but considerable sun in afternoon.

12 noon till 1.30. Roadside, behind Larvane

Hotel & along woods: no sun.

Bombus agrorum & *terrestris* common

B. lapidarius a ♀ seen

Vespa rufa & *cyanea* seen

Mellicope *arvensis* seen

Crabro Chrysotoxus ♂♂ & ♀♀ common at Clonil, 0'

Helictes fuscicornis, *albipes* & *calceatus* ♂♂ or ♀♀ seen

Abis condon? ♀ on rock (road near hotel).

Stenobothrus delicatulus seen on tree

Althia sp. common

Empythes carpinis, 1 ♂ on "Grass Vase" at O'Garra's pub.

Centistes? 1 ♀. 1st R.C.L.P. 13.2.1935!

Trypeta sp. *Apthyrus* & *altissima*, 1 ♂

Pimpla 2 spp. (38) all on alder in field.

Phaenocarpa 1 ♀, "Depositor Bee" (= my old "inquisitor") 1 ♀, 2 ♂♂

Mesochorus with orange head 1 ♂ = *Pentamerus dimidiatus*? 1 ♂

Homocidus pectoratorius ♂ & *H. nigritarsis*? ♂, rook at hotel.

16.7.34 AM cont. Larvane, roadside, 0', SK.

4 *Empythes* 2 ♂♂ & ♀♀

Apanteles 1 ♂. *Pent.* 1 ♂

16.7.34 cont. 2.0 till 4.0 PM.

Worked sand & dunes between hotel & Abbey Strand. SK.

Bombus lapidarius ♀♀ common on *Raphanus* *maritima* at hotel.

Andrena villosella ♀ on flower (? at hotel)

A. sericea a dead ♀ found in sand hollow

Helictes albipes, *fuscicornis* & *calceatus* ♂♂ or ♀♀ frequent

Oxytelus unguis, a few ♂♂, 1 ♀ taken

Pompilus pithus? ♂♂ & ♀♀ on face of dune

1 ♂ of ♀ taken, *Psil. simulans*, *Pompilus*

16.7.34 cont. 4.30 till 6.30

Abbey Strand, Larvane. SK.

Phygadeuon ♂ on rock near where *Agonis* taken on 13th July.

Pentamerus 1 ♀. *Bombus pascuorum* 1 ♀ & *P. lucorum* 1 ♂

Apanteles 1 ♂

Psil. simulans 1 ♂

17th July 1934. A fine day with westerly breeze.
Drove via Green & Keweenaw to the Skeen River.

There collected from 1.30 till 3.0 PM, then
on to my nice moraine ground at Bullhead
Bromesbury Bridge, but only stayed a few minutes
& saw nothing. [Bullhead was probably correct when
he opined that it was here that Bullhead
took his "Andrena latialis" in July 1898, but it
would take several fine days to explore the
place.] Went down on through "tunnel" & down
Glenpariff road until a good view of Banting
Bay was obtained & after climbing to a "view
rock", drove back to Skeen River where stopped
for tea & collected a few more insects. Then
drove back to Garrymore.

Left bank of Skeen River, same spot as
on 7.33 with Fawcett & Bullhead, Co. SK.

Bombus agrorum [Lucorum (14) on both sides of
Andrena scitanea ♂♂ & ♀♀ tunnel]

A. tarsata ♀♀. A. monticola 1♂ (Bromesbury road)

Halictus calceolatus, rubicundus, pygmaeus
humulorum & alpestris ♂♂, also ♀♀.

Homada rufipes 2 small ♀♀ (at A. tarsata larvae?)
seen by R.C.L.P. See letter dated 13.2.1935!

17th July 1934 cont. Skeen River, SK cont.

Crabro varius very abundant, resting in sandy path.

C. thymetorum seen

C. nigrita ✓ R.C.L.P. See letter dated 13.2.1935! ♂ on alder in swampy field, beside road.

Mellicope arvensis ♂♂ common on alder

Euclyptus exilis ♀ on alder

Pompilus ♀ seen on bank, no doubt P. ruficornis

Vespa norvegica ♀♀ seen in "fir wood" & river.

Dacnusa fuliginosa ♀♀ on same tree as on 1933, but few

C. ruficornis on same tree as last.

Psithyrus laticaudatus ♂ seen on alder on river bank
or near Phragmites or Diarrhiza?

Sphecus ♂ small ♂.

Bombus lucorum 1♀.

Dacnusa taken on alder.

Onychophora longipes 1♀. Sarcophaga imitator 1♀

Brachymeria with long pedicel

19.4 July 1934. A poor day! Heavy mist rain at breakfast, then fine hot hills sun till midday, then storm with wind backing from W. & S. & heavy rain set in at 5 PM, followed by a real south-easter & heavy rain all night.

From L. Waterville & worked down beyond the golf link 12.30 till 1.30, then down along south shore of Lough Swarane, 2.30 till 4.0 PM, but very few insects out & those obviously nervous.

Sandhills at Waterville, Co. SK. 12.30 till 1.30 PM.

Bombus: one specimen seen in distance only.

Colletes montana 3 seen at the hill, common.

Melissae arvensis abundant in two spots, amongst the

Oxybala scriptum 2 ♂♂ at the hill, ^{1 very yellow & taken} which.

Pemphigus phaeodactylus ♀♀ common along road at down.

P. pallens 1 ♂ seen on edge of down.

Campoplex maculatus 1 ♀.

Coelinius viduus? 1 ♂ at the hill.

19.7.34 cont. Afternoon, 2.30 - 4.0 PM.

Roadside halfway along S. shore of L. Swarane, Waterville, Co. SK.

Bombus agrorum, lucorum & terrestris, mostly ♀♀.

Vespa rufa ♀♀ seen, also a few ♀♀.

Andrena viciae 1 ♀ seen.

Cerato stigmatica 1 ♀ on heath.

C. ruficornis 1 ♂ & 1 ♀ seen. C. tibialis 2 ♂♂ on road.

C. clausus 2 ♂♂ on road.

Phaenocarpa rufipes 1 ♂ on heath. ^{1 ♂ on road} 1 ♂ on road.

Exochus fuscicornis 1 ♂.

Altractodes tenebrioides? 1 ♂.

Phaenocarpa rufipes 1 ♂.

Trichostema 1 ♂.

Gymnastus 1 ♂.

Agathis 1 ♂.

21st July 1934. Very hot & all sunny, but strong N. breeze. Insects more numerous than during previous week.
Spent all day, 11.30 till 1.30 & 2.30 till 5.0 P.M.
E. coast of
on Abbey Island, on sands between that & the mainland, Darwyn, G. S.K.
Bombus lucorum ♀, Lepidodermis ♀♀ & 2♀♀ seen, 6 from
Psithyrus tentativus 1 fresh ♀ in P.M.
Andrena dentatula 1 ♀ on ragwort on sands, in P.M.
A. gurgenea 1 ♀ on mallow by the abbey.
Helictes rubicundus ♂♂ & some ♀♀ on cliffs.
H. pygmaeus ♂♂ & ♀, H. caelestis ♂♂, H. elaphus ♂♂ & ♀♀.
H. villosus 1 ♂ & ♀ on cliffs, others seen.
H. villosus ♂, small, fresh.
Sphex affinis? 1 ♂ on Argemone on cliffs.
Homocidus fabriciana 1 fresh ♂ of 2nd brood on marigold in AM. at Darwyn.
Colletes montanum ♂♂ & ♀♀ at mallow at abbey, some seen, some fresh.
Meloboris arvensis ♂♂.
Pompilus gilvipes? 3 ♀♀, one very large on Geranium in E. coast.
P. nigerimus ♂ taken, ♀ seen on cliffs.
Cerophora maculata ♀ seen on sands.
Odynerus pictus ♂♂ & ♀♀ with pale bands, on coast.
O. triangulatus ♂♂ & ♀♀ on coast, one at S. end of island at top of deep gully.
Chromogaster ♀.

21.7.34 cont. Abbey Island, Darwyn, S.K. cont.
Red & white? ♂ & ♀ at 1.30 & 2.30 P.M. Tryphon ♂, Tryphon ♂, Tryphon ♂.
Tryphon ♂, Tryphon ♂, Tryphon ♂, Tryphon ♂, Tryphon ♂, Tryphon ♂.
Meloboris arvensis ♂♂ & ♀♀ common on coast.
Acerionium maculatum ♂♂ & ♀♀ common on coast.
Tryphon elongatus ♂♂ & ♀♀, Tryphon ♂, Tryphon ♂, Tryphon ♂, Tryphon ♂, Tryphon ♂, Tryphon ♂.
Bombus volutatorius ♂ on coast, ♀♀ at Abbey, the abbey.
Meloboris arvensis ♂♂ & ♀♀.
Apanteles ♂, ♀, with long trachea on Sea Pink head (in seed) on coast.
Triclistus ♂ & ♀ in boulders at high water mark.
Tenthredo maculata ♂♂ & ♀♀ in up. taken, plum seen.
21.7.34. Several icks taken in total, Darwyn.
Stenomacrus debilis? 1 ♀. Psithyrus ♂, ♀.
Psithyrus ♂.

Empria abdominalis ♀
(*vide* R.C.P. 13.2.1935)
taken in P.M. at foot of
E. cliff, *vid. Acerionium*, ♂.
A.W.S.

21.7.34 George reported seeing a ♂ Blonded Yellow butterfly on coast below total about noon.
Herring Bird Mark with 2 another species.
(possibly elphus, but looked larger) reported seen on cliffs of Abbey Island.

Spent afternoon in woods. (Lord Adon's) from 2.30 till 4.0 PM (=1) & in marsh behind dam E of hotel from 4.0 till 7.0 PM. (=2).

Davyne, C. S.

Bombus nasorum 1 ♂ seen on *Lolium virginicum* at 2,
the first seen since 3rd July. Also 1 ♂ also
seen near Gap of Dunloe.

B. luteum ♂♂, Lucas 1♂, 1♀ m, apron 9♂, 9♀.

B. Lapidarius ♀♀ + 1 old wren ♀.

Megachile with *Meloboris* 3♀♀ seen at 2 on Lobelia,
uliginosa (one of them taken!).

Abelites Juppensoni & albip var nov et 2

A letter from B.M. dated 12.2.35.
Reason says: "In my opinion
your form is unquestionably
Koloph. hertzi M. Then carefully
compared it with Marshall type of
19010. I am strongly inclined
to think that Marshall type of
hertzi is only a small form of
hertzi. In any case it is far
smaller than your
✓" G. E. J. Nix-Dry.

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23 July, 1934. A poor day after a fine morning.

No sun after 9 AM & mist, rain after lunch & nothing out.

Cross via Smeon, George's Bridge & Moll's Gap to Upper Lake, Killarney. Took one *Enallagma*.

Platanus marginata at stream E of Smeon, the collection at W. end of Loughanagh L., SK. There is a lot of lunch & swept a few small things near *Enallagma* ^{NK.} but otherwise did no collecting. Walked up old road

to Heronmore from Galway's Bridge to look for Scully's *Carex heteromera* & probably located its site about 100 yards below where old road crosses tributary stream (i.e. tributary to Upper Lake), on left bank: here saw *Carex aquatilis* but only one head of flower & a little lower down a huge tall sedge, 3 to 4 feet high, with flower spikes suggesting gigantic form of *gordenovii* or a cross between that & *aquatilis*. ~~*Platanus marginata*~~ There are

several clumps on river bank, but it is much below level of bog, but the best is, except Bog Myrtle a couple of yards from the river.

Later. Praeger agrees that Scully's plant is a hybrid *aquatilis* x *gordenovii*! A.W.S.

23.7.34 cont.

W. end of Loughanagh L., Co. SK. = 1

Woods at Derry, Co. NK. = 2

Small species all taken at 2!

Bombus agrorum only seen, at 1.

Vespa rufa ♀♀ very highly decorated with red at prices at 1.

Helictes elbip. a black ♂ swept at 2

No other insects seen!

Cebis candens ♀ on bracken at 1.

Amata hippocrita? at 2

Euclyptus? red, small, ♂ at 2.

Plant yellow ♂ *Chamaea* at 1.

Platycodon ♀ red ♂, taken at 2.

Enallagma platanus marginata 2 at 1 [a small one taken]

Mesochorus red & black ♀? at 1

3 ♂♂ *Chamaea* with some *enallagma* eyes & scutellid prolegs at 1.

Meloboris 2 ♂♂ (2 ♂♂ off) at 2.

[*Apanteles argyria* 2 ♂♂ seen in grass to west of lake, Galway Bridge, from]
 [about 300 yds off road, the other way, with 1 ♂♂.]

Apanteles 1 ♂ at 2

Microgaster ♂ at 2

Proctos at 2.

24th July 1934. Rain all day, previous night & most night. Closed off river of fishing!

25th July 1934. A change of wind from W to NW
 cleared off the rain so drove me to Waterville, where
 collected. Acreton (cliff) on roadside about 1/2 mile S. of
 bridge & just N. of bridge. Very many bees of Halictus here,
 as well as G.G., both feeding & working. Then drove 2 1/2 miles
 up S. shore of Long Burnane, where collected till
 a change of wind back to W. brought back mist,
 at about 10.0 PM, which gradually turned to rain &
 another drizzle, not night, though becoming very chilly.

Roadside 1/2 mile S. of Waterville bridge = 1

Roadside in cutting just N. of bridge = 2 all to Sx.

Scrub by road & lake shore, S. of Long Burnane = 3

Psaltriparus caeruleus a pale ♀ (1 taken on Thursday) ✓

Bombus agrorum & *bombus pectoratorius*, both at 3.

B. lapidarius a pair ♀♀ at 1. *E. ignellus* one ♀, 1 ♂ at 3 on bank.

B. lucorum on or two ♀♀ only at 3.

Andrena vitulina ♀♀ common at 3, on bank.

Halictus rubicundus ♂♂ at 2. *H. caeruleus* ♂ at 2.

H. alpestris? seen. *H. villosus*, ♂♂, ♀♀ at 2.

H. leucopus ♂ at 3. *H. nitidus*, ♂♂ at 1 & 2.

Hylocichla ustulata 2 ♀♀ on flowers at 2.

H. confusus 1 ♀ at bank at 3.

Colletes montana 1 ♀ at 2.

25.7.34 cont. Waterville & L. Curran cont.

Sphacelodes affinis ♂♂ at 1 & 2.

Homada fulvicornis 1 ♂ at 1, very fresh.

Proctos. tibialis & *C. rufus* frequent at 3, ♂♂, ♀♀, 1 ♂.

Mellicope curvicauda ♂♂ seen at 3.

Pompilus ruficornis ♀ at 2.

Chalcid. montana ♂♂ & ♀♀ on flowers at 3.

Scler. exaltata ♂♂ & ♀♀ on flowers at 2 & 3, very large ♀ at 2.

Vespa rufa ♀♀, *austriaca*-coloured, common at 3.

Tenthredo arvensis abundant at 3, seen taken.

Altica frequent at 3 (1 ♂ *A. lineolata* taken).

Aphis cardui ♀ seen on bracken at 3.

Trigon. laticornis 1 ♂, taken ^{at 3} on brick on "cliff" above lake
 after having been seen twice previously at 2 near same
 tree. wing torn to shreds, yet flying powerfully - strong wind.

Ichneumon 1 ♂ at 3.

or new beetle on bank at 3. or see *Staph. & other* at 3.

Cryptus ruficornis 1 ♀ & about 5 others seen on flowers at 2.

Platygaster albipennis 1 ♂ at 2.

Hemiteles areolaris group 1 ♀ at 3. *Pezomachus ruficornis* 1 ♀ at 3.

Aronie novolata, taken in field, on grass near brook,
on top of "cliff" near lake shore, where a lot of willows were found.
crabroniformis a very tall, slender specimen taken July
6 road half way up lake shore.

26th Feb 1934. Windy rain from W all morning, after 4
not night. Everything very damp! Some fine spells in
afternoon but "sleazy" all night & day & did not collect.

Garrynare, Hotel garden, O'Connell's road &
marsh behind dunes. C. 54. 11.0 to 1.30

Bombus lapidarius a fresh ♀ ^{1st yellow pollen} 1st pollen in person
♂ & ♀♀ in hand.

B. derhamella - fresh at on edge of downy pool
below holes & outside house.

27. 7. 34 cont. Darynau, S. S. cont.
Bombus lucorum ♀♀, & an occasional ♀, abundant at
Fuchsia near hotel cooking in rain from
 6.0 AM till 9.0 PM (S. time) at least. 100 seen.

Psithyrus barbutellus ♂ seen.
Halictus alpinus, *pygmaeus* & *coleratus* ♂♂
 occasionally swept in marsh, 3 from ^{the} mud bank.
Myiophila willughbiella ♀ on *Lythrum* near
 road at 11 AM.

[*Bombus lucorum* & *terrestris* - old garden of hotel.]
Bombus lucorum ♂ on *Myrica* in old hotel garden.
B. terrestris ♂♂ & ♀♀ in marsh. *B. chlorinotus* ♂.
Verpa myrtilloides ♀♀ at *Scrophularia nodosa* in
 garden & on roadside.
V. rufa ♀♀ & ♂♂, from all anthers collected!

Tenthredo areolaris, *Athalia* ♀ & *Selandria* seen.
 all very common.

Ichneumon *compunctus* 1 ♂
Phaenocarpa ? 1 ♂
Cryptus 3 ♂♂ & ♀♀

27. 7. 34 cont. Darynau, S. S. cont.

Hemiteles ♂ & ♀ seen. ♀ with hard, matt, black *apertata*.
Habropoda ♂♂. *Stenobothrus* 1 ♂ seen.
Exochus ♂. *Pezomachus* 1 ♀.
Phytodietus 1 ♀.
Pimpla instigator ♂♂ of var. *intermedius* on *Scilla* in marsh.
Schistocerca ♂♂ seen in marsh.
Colpomeria quadrimaculata 1 ♀ } Swept in marsh outside road.
Metacoelus diversicornis 1 ♂ & ♀ swept. Iris in marsh.
Exochus 1 at lime tree in marsh.

Stenomacrus *amplius*? 1 in marsh.
Microplitis ♀ with red legs etc. [1/ 3000 from *Teromyza* etc. 4th or 5th inst.]
Henicophanes *varicollis* seen in marsh.
Chrysophanes 2 ♀♀

Bracon 1 ♀. *Apanteles* 1 ♀.
Heterogaster *dupon* 1 ♂ probably swept in marsh along edge of
 marsh. But are some and *dupon* (on *hamulatus*!).
Oxytelus *stramonii* 1 ♂.

Pentapleura *pusilla* 1 ♀.
Dacnusa *aureolaris* 1 ♀. *D. reticulata* " 3 ♀♀ swept in the
 marsh near.

Proctos 1.
His 1 ♀ in marsh. [Sedg. from roadside 11.0. *Convolvulus*
 & *Chelidonium* (*pyralis*) Darynau]

28th July 1934. A poor day, no sun, after a wet night. Did not go out till after lunch & so almost missed the only fine spell. At 2.30 went round coast path, looking to the Harbours, Barrymore, & collected a few insects by the way: also turned over fine scrub of sea-weed in rock half-way round, but thick driving mist soon turned again to heavy rain from W. with falling barometer, so returned to hotel at 3.30. G. SK.

Bombus agrorum, *lucorum* 1♂, & *terrestris* seen.

Vespa rufa 9♂ & 9♀, many at *Salix*.

Crabro rapae, large ♀ seen on coastal flowers.

Psylla - *Coturnicella aurata*.

1000 red, long-tailed.

Pimpla instigator large ♂. *Pelegrina* 1♀ at flower of *Crucian*.

Scutigera capitata 104 amongst bracken, etc.

3 large *Phlebotomus*.

Isotoma pubescens 1♀

28.7.34 cont. Coast, N. of Barrymore, G. SK.

Taken amongst decaying sea-weed, west of Liffade during the previous day!

Small at night. *Hermitia*!

Aphrodisia capitata ♂ & ♀.

Pterozamia ?? one

29th July 1934. Fine, wet, with falling glass. Spent day doing odd jobs before evening hours & only collected a few near the Liffade, on Liffade Island, Barrymore, SK.

Brachymeria?

1000

30th July 1934. Opened with temper rain at 6 am. with gale from SE-S. Left Barrymore at 9.20 A.M. reached Killybegs at 11.25, spent a few minutes with E. F. Bullock, then drove on to Headly Bridge. There had lunch in room given us on 28th June, but temper wind & much rain spoiled collecting, though hot sun at times. Left there about 1.20 & drove on to Newcastle West, then had to stop for broken front spring of car to be repaired. Left Newcastle West at 4.20 & reached Limerick

30.7.34 cont.] without encountering serious rain, but a few miles N. of Limerick met temporary squalls of wind & rain & the same all the way to Nenagh - Roscrea - Montrath - Maybrough & on for a Newbridge, after which rain slight & none between Naas & Dublin to speak of. Stopped for help on horse for the near Biddup-shelter of trees, then drove home without a halt, car now running better & reached 14 Glenville Rd. at 9.35 PM.

Collected in quarry, just S of Headly Bridge
Co. NK. (in one room).

[*Protodermis laminatorum*: a ♂ crashed into car, returned, & was captured, about a mile S of the quarry.]

Leucophaea gemellus? ♂ & ♀

Microgaster? ♂ & ♀

Andrena sandracella ♀, 1000. *Helictes* ♂ & ♀

Holothrix ♂ & ♀, 1000. *H. uliginosa* ♂ & ♀

Sphacelodes ♂ & ♀

Lasiacis ♂ & ♀. *Edwardsia* & *Callis* ♂ & ♀

END OF KERRY TRIP: 1934.

13. On road to Derry, Co. EK. the small *Helictes* ♂ & ♀ (separate) & *Edwardsia* ♂ & ♀ were seen, but I saw no sign of *Helictes* ♂ & ♀. *Edwardsia* ♂ & ♀ probably common on hills around roads. The *Helictes*, *Edwardsia*, & on hills at Glencar under bark of an old pine stump, just behind the lake on 28.6.34: none seen at Glencar after the rising to heat & drought.

5th August 1934. A wet day, dull & turning gradually to rain from SE - E - then NE.

In morning drove to the North Bull, DU., with C. W. Allen, but except for *Bombus* nothing out.

Bombus terrestris ♂ & ♀. *B. lucorum* ♂ & ♀, 1000. *B. agrorum* ♂ & ♀

B. lapidarius many ♂ & ♀. *B. muscorum* ♂ & ♀

Psithyrus campestris, ♂ & ♀, but no *apicatus* seen!!

Phaenocarpa ♂ & ♀

Colletes ♂ & ♀

Leucophaea ♂ & ♀

12.8.34 cont. Ems district, Q. Co. cont.
Colletes maculata nesting at 1, flying over *Calluna* at 2.
 ♂♂ on *Carduus marianus* at 1, & 1 large pond of at 1. hark.
 Also 1 smaller ♀ at *Calluna* at 2.

Andrena marginata common at 1, & few at 4.
 ♂♂ on *Carduus marianus*, *Scabiosa arvensis* & *maritima*,
 ♀♀ very fresh (only 1 seen gathering pollen) on *S. maritima*
 & occasionally on *S. arvensis* & one on *Centauria erythraea* (all).

Homalictus argenteus 1♂ (at 4) on *S. arvensis* & 3♀♀
 at 1 (2 on *S. maritima* in field & 1 on *S. arvensis* in pond
 pit. All extraordinarily fresh!

Halictus rubicundus, *coleratus*, *alpinus*, *fusus*
tumidus, *nitidus* & *lucorum*, mostly ♂♂
 some fresh ♀♀, at 1.

Sphecius affinis 2♂♂, all *H. nitidus* at 1.

Megachile remipes 1♂ (all) & 1♀ on *Lobelia*
coriacea at 3.

Melitta arvensis ♂♂ & ♀♀ abundant at 1 & 2.

Crabro stygionum, *caripum* ♂♂ & *repar* ♂♂ & ♀♀
 at 1 & 2: *repar* common on *Angelica* at 2.

12.8.34 cont. Ems district, Q. Co. cont.

Salix exaltata ♀♀ at 1.

Pompilus ruficornis ♂ at 1.

Chysis ignita 1♀ at 1.

Vespa sylvestris, *rufa* & *arvensis* ♂♂ & 1♀ of last
 at 1 & 2.

Thymica sp. & *Formica fusca* seen.

Aphaenogaster 1♂ at 4.

Tenthredo inaequalis & *laticornis* of same.

Anthophora crataegi 1 seen at 2.

Bombus ? ♂

Halictus ? ♂ *lucorum* ? ♂

Psithyrus large ♂

Empidonax 1♂, 2♀♀ (24/5)

Pompilus brevicornis ♂ & ♀ seen at 4

Phygadeuon "neglectus" ♀♀ at 1 & 2. *G. menator* 1♀

"*longicauda*" ♂♂ & ♀♀ at 1

Leucospis cyathorum & *bellator* ♂♂ & ♀♀ at 1 & 2.

L. cyathorum ? 1♀ *L. bellator* 1♂.

Melitta ♂ *Pompilus* *fulvipes* 1♂

Leucospis *melanostictus* 1♂, 1♀.

16th August 1934. Garden, 14 Clareville Rd. Du.
 (evening)
 1st night, 1st day, at sunset.

Crypta 1 ♂
 Oedemotopus scutellatus 1 ♂
 Pimpla maculata 1 ♂, small. P. communis 1 ♂
 Euclyptus viridipes 1 ♂
 Triclistus 1 ♂
 Cynipid 1 ♂

17th August 1934. Garden, 14 Clareville Rd.
 Du. (evening).

Euclyptus viridipes 1 ♂ at sunset.
 Euclyptus viridipes 1 ♂ at sunset. 1 ♂ at sunset. 1 ♂ at sunset.
 1 ♂ at sunset. 1 ♂ at sunset. 1 ♂ at sunset.

Hemiteles pubescens 1 ♂
 Pimpla defecator 1 ♂ (1st night, 1st day, at sunset)
 Oedemotopus scutellatus 1 ♂
 Triclistus 1 ♂ of H. communis var. with small 1st pair, at sunset.
 Cynipid 1 ♂
 Triclistus uterius 1 ♂ at sunset. Brown trichogramma 1 ♂
 1st day 1 ♂ = 1st day 1st day 1 ♂

18th August 1934. Garden, 14 Clareville Rd. Du.
 (evening)
 1st night, 1st day, at sunset.

Pimpla tricornis 1 ♂. P. alticola 1 ♂. P. communis 1 ♂
 Oedemotopus scutellatus 1 ♂. Triclistus 1 ♂
 Cynipid 1 ♂
 1st night, 1st day, at sunset.

Triclistus 1 ♂
 Swept on Cool Bog, near Killybeg, Co. Londonderry,
 18th Aug. 1934, by E. J. O'Sullivan.
 Hemiteles (Gaster) pubescens (1st night, 1st day, at sunset)
 1st night, 1st day, at sunset.

Pimpla maculata 1 ♂. P. communis 1 ♂
 Alysia stipitata 1 ♂. Cynipid 1 ♂
 Triclistus 1 ♂. Cynipid 1 ♂
 Triclistus 1 ♂. Cynipid 1 ♂

26th August 1934. All sunny & mild.
 Garden, 145 Blenheim Rd., 211.
Bombus lapidarius several ♀♀ on Verbena at 10 AM.
B. lucorum 2 seen on or near George. *Centistes rubicundus*.
B. hortorum 6 beautiful pair of sunny early at 10.15.
B. agrorum ♀♀, seen on Verbena, fls. back and wings.
Halictus rubicundus 1 ♀, feeding on Verbena. *H. calceolatus* 1 ♂. *H. leucopus* 1 ♂.
Vespa vulgaris ♀♀ & *Vespa germanica* ♀♀.

Crabro laticornis ♀ on current bank.
Phaenocarpa 1 ♀, bryd. 4.20.

Oedemotus scutellatus ♀ at 10 AM, not kept.
Pimpla instigator, large ♀, in dining room, released at 9.0 AM.
 1 seen in back garden at 10.30 AM. Also 1 ♂ at 2 PM.
P. baronius ♂ at 2 PM.
Dacnusa brevicornis 1. *Homocidus pictus* 2 ♀♀. H.
Exochus (cf. *albipes* from Bellona) 1 ♀? *Meteorus nigriventris* ♀ (2.1.1934).
Leptocryptus 2 ♀♀, 2 ♂♂.

Attholia cordata ♂ on current bank at 10.30 AM, not kept.
 1 ♂ seen later.

Tryphon

29th August 1934. Garden, 145 Blenheim Rd., 211.
Bombus lucorum ♀
Homocidus pictus 1 ♂, 1 ♀
H. dimidiatus ? 1 ♂

5th Sept. 1934. do - - - do
Dacnusa areolaris 1 ♀ at 2 PM (or 2.00) not kept.
Dacnusa brevicornis 1 ♀
Homocidus pictus 1 ♂
Homocidus 1 ♀

Tryphon

8th & 9th Sept. 1934. do - - - do.
Bombus hortorum, a pair of seen on morning of 8th } 11.11.1934
B. agrorum pair of seen on morning of 9th }
Crabro laticornis 1 ♀ on 8th & 9th.
 1 ♂ on 8th, 1 ♂ on 9th. 1 ♂ on 10th. 1 ♂ on 11th. 1 ♂ on 12th.
Phaenocarpa ♀
Pimpla instigator large, J.F. ♂ ♀ at 2 PM, on Ellis wall.
Dacnusa brevicornis ♀. *Homocidus areolaris* 2 ♀♀.

Dacnusa areolaris 1 ♀. *Chalcid*.
Bombus lucorum. *Syrphus*.

For list of species taken on the det. at Fairview
Co. Canon by R. C. Farni, see p. 146 →

Graphs 2.

Blue Geyser

[Hymenoptera brought in from Dublin by J. G. Allen
as noted by him in 1934]

Oxytelus	♀	Aspilota	1 ♀
Pimpla instigator	♂	Meteorus	1 ♀
Leucospis	per. 1 ♂		
Exochus	variegatus ? ♂ yellow		

Also Colletes

In July 1934 E. H. Allen again visited the Aran Islands, gathering a number of specimens. The Bombyx mori was common on all the islands, as was the L. longipennis. The day of his visit was the day of the arrival in Dublin, 12th July, & very hot weather followed. He first went to Inishmaan, where he spent several days, nearly entirely wet, & took the following insects: —

Inishmaan, Aran Islands, E. H. Allen, 13th, 16th July 1934

Bombus terrestris, several old ♀♀ & numerous ♀♀. B. agrorum.

B. lapidarius ♀♀. Psithyrus rupestris, old ♀♀ with very

[no B. agrorum & no white-tailed species seen on the island]

Halictus alpestris 1 ♂. Megachile rotundata 1 ♂. Pimpla ruficornis

Odynerus transversus ♂♂, ♀♀, mostly in burrows in sand.

O. pictus ♀♀ with black heads on abd. not yellow. blyssus

Next Allen went on to Inishmore, where he stayed till 27th July, but had with him the most Inishmore at all. He stayed in the west of Stran, Island & on 1st found B. terrestris. On Inishmore he took: —

Inishmore, Aran Islands, E. H. Allen

17th-27th July 1934

Bombus terrestris, a few ♂♂, plenty ♀♀ but no ♀♀.

B. lucorum ♂♂; B. agrorum common. B. lucorum ♂♀, present.

B. terrestris ♀♀ (13). B. lapidarius ♀♀ common.

[No Psithyrus seen on Inishmore!]

Halictus rubicundus ♂ on 26/7. H. alpestris ♂♂.

Megachile rotundata ♂♂ & ♀♀ on 25th & 26th July, mostly ♀♀.

Pimpla ruficornis ♂♂ & ♀♀ abundant on sand.

P. ruficornis ♀♀.

Odynerus pictus ♀♀. O. transversus ♂♂ & ♀♀.

blyssus ignita ♀.

Oxytelus variegatus 1 ♂.

Pimpla instigator 1 ♂ & ♀.

Tenthredo eximia 1 ♂, on 26/7.

Phaeospora praevaria 1900.

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1935.

January opened mild & very wet, but dry weather with E. wind came in about 15th, though still mild & only frost on one night.

14th Jan. Snowdrops in back garden out

17th Jan. Two yellow crocuses out in front-garden, W. side of

20th. M.D.S. & George reported Bolandine out between the ^{house} "Narrow Walls" & Rathfrilandham.

M. D. S. reported Small Tortoiseshell Butterfly - present on 12th
12 seen on 13th

270

13 3 35 cont. Glass - 40, 20, 20.
 Pansies, all out in flower. D. of 1000
 Some willows out. Below Bokenham chapel
 I saw *Erigeron* clusters, many, but only red flowers
 out in the country.

R. C. Faris, Cornes, Co. Cam, reports seeing on
 12th March 1935 *Bombus lucorum* ♀, *B. hortorum* ♀ in
 trumpet of Daffodil, *Andrena gynaena* ♂,
A. clarkella ♀ swimming on brambles, Tortoiseshell
 & Peacock Butterflies. And on
 13th March *A. clarkella* ♂♂ & ♀♀ were none
 seen on 12th. Another *A. gynaena* & one *Bombus*
 (? *lucorum*).

14th March 1935. Dull & mild, depression approaching.
 Spent morning feeding with in water, saw for first
 time this year. While so doing a green *Vespa vulgaris*
 flew over the window & landed on the wall, as I put her
 out & she flew away afterwards.

20th March 1935. A perfect day, almost all
 sunny & rather wind.
 Rode in afternoon to Glencoe, Co. Dub., &
 worked the woods south of the lower reservoir
 on 13th. A little rain in spots & a
 drizzle occurred, between 4 & 6 P.M. Willows were
 out, but very backward. The most interesting part of
 the trip was a ♀ *Brimstone Butterfly* (*G. almon*)
 which I saw first & landed under a fern. I
 scrambled up the bank to intercept it as it flew
 south, but in such a place it quite easily escaped
 me though I tried to get within a few feet of it.
 It appeared to be very large & absolutely fresh.

Also saw Peacock & Tortoiseshell Butterflies.
Bombus lucorum ♀♀ about a dozen seen at various places,
Andrena clarkella ♂♂ & ♀♀, also ♀♀, some on
A. apicata ♂♂ & ♀♀, & 3 very fresh ♀♀ to the
A. gynaena ♂♂, & 1 very fresh ♀ seen.

Homocidus leucophaeus 2 (♂, ♀)

Ich. The usual *Diaparsus* (? *terminalis*) in dozens at
 on the willows just coming into flower.

Tiger Beetle, seen. Many birds singing but no chiff-chaffs.

All trees but 100 ft. from the reservoir of Bokenham

24th March 1935. A most disappointing day, rain
coming on about mid day after a promising morning.
Very mild, soft, & sunnier than 10.0.0. & rain.
Rode out to Glencasmole, Co. Du., but by the
time I got into the woods, sun was gone &
very windy (S.W.). Quite a number of bees still
out, nevertheless, & *Clarkella* ♀♀ continued working
at willows. The long left the "drift" had started.
No butterflies seen & no ^{chiff-chaff} willow warblers heard &
no sand martins seen by the Loddon at Old Lane.

Bombus lucorum many ♀♀ seen & 3 taken for 2.
B. terrestris 2 ♀♀, 1 taken, seen, but not quite sure.
B. jonellus 1 ♀ on ♀ *Salix*.
Andrena apicalis ♂♂ at cliff, ♀♀ there &
at ♀ *Salix* in woods.
A. clarkella ♂♂ & ♀♀, latter at *Salix* ♀.

A. pygmaea 1 fresh ♀, with pollen in field above town
Thuridobea 1 ♂ at *Salix*.
Pimpla maculata 1 ♂ taken out of conifer near upper
"Pomarine" 2 ♀♀ } end of lower reservoir, E. side.
1 ♀

27th March 1935. A perfect day, but cool east wind.
All sunny till 5 P.M. Afternoon.
Rode to Glencasmole, Du., arriving 2.30 P.M. &
spent aft. in woods on E. side of lower reservoir,
as before. Many Peacock & Tortoiseshell Butterflies
& many Bumble (*lucorum*!) but bees quite scarce
compared with previous visits & no ♂♂ of
A. clarkella or *A. apicalis* seen at colonies
(paling posts along path to woods not visited!) &
no ♀ *apicalis* seen. 1 *Chiff-chaff* heard at 5.7 P.M.!

Bombus lucorum many ♀♀. *B. jonellus* 1 ♀.
B. agrorum 1 ♀. *B. lapidarius* 2 ♀♀.
Andrena clarkella, many ♀♀, at willows & cliffs.
A. pygmaea many ♂♂ & ♀♀ at cliffs, playing!
A. nigrescens a few ♂♂, just out! (One very large kept!)
Halictus rubicundus 1 ♀, just out!
Nomada leucophthalma ♂♂ & ♀♀ common at colonies.
N. fabriciana 1 ♂ at top of comb at head of reservoir.
Thuridobea at *Salix*, as before: many seen, 1 ♀ taken.
Psithyrus marginella Thoms. 1 ♀ swept.
Carpilota 1 ♂ swept.

31st March 1935. A fine day, my little son after
noon until tea time in afternoon, with a strong
chill. W. - NW wind, after two quite dull days.

Went with C. W. Allen to Shankill, Co. Du.,
& walked inland along the banks ⁽¹⁾ toward Kilmichael,
then to railway ⁽²⁾ at Bride's Glen, where stayed as long
then to Loughlinstown Common ⁽³⁾, then back to railway
& up Kiltoran road, S across old lane ⁽⁴⁾, & back to
Shankill.

Bombus lucorum several ♀♀ seen, *B. terrestris* 2 or 3 ♀♀ seen.
B. agrorum several ♀♀ seen, *B. muscorum* 2 ♀♀ seen.
Andrena minutula 3 very fresh ♀♀ on *Taraxacum* at 2 (Allen).
A. riparia ♂♂ & 1 per very fresh ♀♀ at 1.
A. pygmaea ♀♀ at 1 & 3. *A. albicans* ♂ at 2 (Allen).
A. grisea ? at 1 (Allen).
Habitus calceatus 1 ♀ at 2 & 1 seen in left at 1.

Osmia areolaris mostly 1 ♂ at 2.

Megachile carina 1 ♂ mostly (at 4?)

Aphidius 2 ♀♀ ♂♂ mostly at 2 & 4.

Could not find
bluff at 1 & 2.

1st April 1935. A rather cold day, NE - NW winds, clearing from
& no sun after 10 AM till late in afternoon.

Rode to Glencamole, Co. Du., arriving at 10 AM & stayed
till about 2.30 PM. But nothing, not even a few *Bombus*.
Bombus lucorum a pair number of ♀♀ some at Salix, but not
searching for nesting sites. *B. jonellus* 2 ♀♀ seen.
Pimpla maculata 1 ♀ beaten out of ivy, very wet & with pale staining
(not fresh).
Empididae (1 ♂ & 1 ♀) 1 ♀, beaten with last.
Pezomachus ruficornis 1 ♀ beaten out of grass!

Bluff cliffs very common. no butterflies seen all day. Explored
all the country on E. side of Glen between lower & upper dams.
One patch of snow still in gully on N.W. slope of Kiltoran.

14th April 1935. Heavy shower in morning, after a wet night, with
& much hot sun later, strong W. wind. [on duty in morning - off!]

Rode to Fanny Glen, Phoenix Park, Du., arriving 12.30, left there 1.30.

Bombus terrestris 1 ♀. *B. lucorum* 1 dead ♀ under blackthorn.
B. lapidarius 1 ♀ at flower of blackthorn. *B. muscorum* 1 ♀ at *Taraxacum*.
Andrena albicans ♂♂ & ♀♀ at blackthorn, but in full flower.
Bicyclus marginellus 1 ♂ & 1 ♀, also. *Theridion* 1 ♂ mostly.
Aspilota 1 ♂ mostly by stream (cf. ♂ of *A. Centistes Marshalli*?).
Aphidius 2 ♂♂ mostly.

17th April 1935. A perfect morning after a fine night, but heavy rain all over S. Dublin area, caused by very cold E wind sweeping up about noon. All this rain to north of Dublin, but rain not clearing off till about 4 PM. then fine & sunny, followed by another perfect night.

Rode to Linslip via Greenhills, Caberthorpe & Lucan, & then N. to Royal Canal, spent an hour in old quarry S. of Park, & 1/4 mile E. of Rye Water (from which the stone to build Broadstone Station, etc., was quarried, then took clay canal to Clonsilla, which left about 4.30 PM & home via Castleknock & St. Park. Here rain & bitterly cold in St. Park, heavy rain & warm from Kilmuckin home, where arrived somewhat damp. Only hymenoptera seen all day were:-

Andrena nigrescens at Greenhills, Co. Du. at 10.30 AM. From the 7.30 train *Bombus terrestris* 2 ♀♀ seen at quarry near Linslip, Co. KD.

Proctotrupid ♀ hatched out of dome in quarry where also saw cordlike *Platygaster* *lymnaeae* (= *hirsuta* of *M. angustula*!) & *Trichogramma* *rosaceae* / *undulata*

[On 14/4/35 took *Blenocampa* *truncata* ♂ & *Quercus* *quercus* ♀ at Kilmuckin, Co. Du.

Willow Warbler at Linslip
Greenhills
Caberthorpe
Lucan
Royal Canal
St. Park
Castleknock
Kilmuckin

18th April (Thursday) 1935. A dull day, with rain in Dublin & S.W. about daylight, but more of being a constant drizzle all afternoon.

Rode in afternoon, to S. of Saggart, Co. Du. to look for *Bombus*, *Andrena*, etc., & found nothing.

Bombus lucorum several ♀♀ & *B. lapidarius* 1 ♀ at Saggart. *Dolerus* *curvus* 4 ♀♀ hatched, 3 from Saggart, 1 from Clonsilla. *Pimpla excavata* 2, small, hatched ♀♀ hatched from Saggart. *P. maculata* 4 ♀♀ out of fir. *P. praeator* 3 ♀♀ out of Saggart.

Neurocrassus angustula 1 ♀ hatched out of Saggart. *Lissonota* ?

Stenobothrus ? 1 ♀, with long antenna, hatched out of Saggart.

Apanteles 1 ♂ out of fir.

Aphidius *insulatus* 1 ♀ out of fir.

Also a few *Ichneumon*, etc., & some *Triclistus* (from Clonsilla).

19th April 1935. Good Friday. A stormy day & little rain till late afternoon, owing to E & S.W. wind meeting over hills & from the coast. Heavy rain in Dublin, only one shower at Ballymore - aft.

Rode with Palmer to Attadown (Upper Liffey) Co. DU. & home via Ballymore & Ballydonnell Brook, Ballymutton, Ballymore & over Golden Hill. Droughty, hatched &

[19th 4 35 cont. Attdon, Ballynure 50, G.W.L.]
 at Attdon, except Blackthorn, just in full bloom,
 & not promising for collecting for another few weeks,
 even on a fine day.
Comptosia lucida ♀♀ seen on willow & Hawthorn
 at Attdon, & *B. zonellus* ♀ (Palm) at
 Ballydonnell on willow. *B. apron* 2 ♀♀ at Ballydonnell!
 [Andrena albicans 1 ♂ & 1 ♀ taken off willow at Ballynure
 point, G.W.L. in morning].
Blennocampa rubicunda? 1 ♂ taken off land on summit of Golden
 Hill, but escaped off trap; caught & captured flying to land.
Phryganea fulvipes? 2 ♀♀ taken off Hawthorn flowers at
 Attdon & land on grass at Ballydonnell & Golden Hill.
 Small sp. (Pimplid?) taken off grass at Golden Hill.
 Cryptid large red ♂ taken off Hawthorn at Attdon.
 Purple 2-segmented ♀ in grass at Ballydonnell (not kept).
P. elegans 1 ♀ taken off land at Golden Hill.
Dacnusa areolaris 1 ♂ swept in meadow at Ballynure 1935
 with distinct stigmata.

20th April 1935. A wet day, after a hot night.
 Ball, E + SW wind, drizzling from early morning till
 11 pm., then a sunnier fine till dark.
 Rode via Blackalbin & Millton to Grand Bend at
 Hazelhatch & worked along same part by way of
 & home via Newcastle & Saggart. Brightly drizzling!
 A few insects swept along drain parallel to canal
 opposite Skeagh House, Co. Dublin about 1 PM.
Dacnusa lateralis? 1 ♂ & 1 ♀ ^{longicauda, miki} *D. areolaris* 1 ♂, 1 ♀
Campoplex 1 ♂.
 Hymenoptera in *Phryganea*? 1 ♀, not kept.
Dolichopus areolaris 1 ♂, but on my way off into net.
 [21st April 1935. A poor day, with continuous showers
 at close intervals. Did not go out at all]
 Easter Sunday!

This ♀ has been made the ♂ of *areolaris*
 the type of my species, but it is either a complete
 new form or a new ♂ of *areolaris* 1936.
 or W.W.S. 4.11.1936.

22 April 1925. The best day for some time & considerable sun in morning & about midday & early afternoon; but a heavy shower which lasted half an hour in forenoon spoiled collecting. Took train to Kilkenny, with Allen & Palmer, to see Andrena fulva, where I had taken it on 20th April 1925, but none seen during the day & in fact few bees except ♂♂ of And. albica.

Kilkenny district, all loc. KK.

1 = railway bank from stream & bridge 1 1/2 miles SE. of Kilkenny station to junction of Barlow & Thornton line.

2 = old quarry on west side of railway just N. of road junction

3 = right bank of R. Nore & quarries on same about 1 mile below Kilkenny bridge.

Bombus lapidarius several ♀♀ at 1.

B. terrestris 2 ♀♀ seen at 1 [Palmer].

B. hortorum 1 ♀ on Cloverleaf at 1 [AWS].

B. descurainiae ♀♀ frequent at 1, also 1 seen in quarry at 3.

22/4/35 cont. Kilkenny district, cont.

B. cyrenus 1 juv ♀♀ seen at 1.

B. lucorum 1 ♀ seen [AWS & Allen].

B. sylvarum 1 heartfully fresh ♀ taken by Allen at 1, about 1/2 mile N. of junction.
[No B. lucorum seen by party all day!]

Andrena albica ♂♂ in hundreds & all fresh, except those semi-dead in Taraxacum by stream, very few ♀♀ seen & those fresh but not yet working; ♂♂ & ♀♀ seen in cop. in dead stock at 1, also at 2 & 3.

A. nigrescens fresh ♂♂ at 1, 2 & 3, several ♀♀, only at 1.

A. jactata 1 juv fresh ♂♂ at 1, 2 & 3. No ♀ seen!

A. fucorum 1 fresh ♂, several very fresh ♀♀ at 1.

A. wilkella 1 stylised ♀, very fresh at 2.

Halictus albifrons 1 ♀ at 1. H. fuscicornis 2 ♀♀ at 1.

H. rubicundus 1 ♀ at 3 (Allen).

Nomada lapida 1 ♂ (Allen). N. maculosa 2 ♂♂ at

Blackthorn at 1. N. fuscicornis ♂♂ & 1 ♀ at 2.

Salix fusca ♂♂ abundant at 1, only one seen at 2.

[Dolerus (f. obscurus) one seen flying at 1.]

Pimpla instigator ♂ at 1 & several other spp. all at 1.

Homocidus 1 ♂. 2 ♀♀. 3 small spp.

Theridion 1 ♂.

Aspilota 2 ♀♀. 1 ♂. 1 ♀.

28th April 1935 A dull morning, with 'little sea-fog'
 & not clearing even at Sallin till after 2 pm. The
 all morning & very hot. Left Sallin 11.35 AM.
 Rode to my bridge, on Naas line, S of Sallin station
 (over 12-11 over!) stayed there & worked ponds & hedge
 till about 5 pm then worked down branch of canal &
 main canal to 1 mile N. of Lyons Hk. (Bosconby Bridge),
 left there at 6.40 & arrived home 8.3 pm. via Blackchurch &
 Ryan S of Sallin st. (Naas branch line) = 1
 Canal (Naas branch) = 2
 Canal N. of Sallin, to Bosconby Bridge = 3. } All to
 (all at 1 or 2 miles stated) } KD.

Bombus lapidarius several ♀♀ *B. terrestris* 1 ♀. *B. lucorum* a few
B. desertorum several ♀♀. *B. agrorum* ♀♀, rare. *B. muscorum* ♀♀
B. lucorum 1 ♀.

Psithyrus distinctus, *terrestris*, *confusus* dead from, 1 ♀ each.

Andrena ethica 1 ♂, a few ♀♀. *A. grisea* 1 ♂, 1 ♀.

A. pygmaea 2 ♂♂, 1 ♀. *A. subopaca* 1 ♂, 1 ♀.

Habitus calceatus 1 ♀. *H. albipennis* 1 ♀. *H. pygmaea* many ♀♀.

H. confusus 1 ♀, 1 ♂.

Ephedra hirsuta 1 ♀, 1 ♂. *S. hybridus* 1 ♀, *S. affinis* 1 ♀, 1 ♂.

Novula montanella several ♂♂. *N. lapidis* abundant, 1 ♂, 1 ♀.

Salix fusca abundant, mostly ♂♂, a few ♀♀.

Sallin, cont! KD. 28/4/35.

Delium galathea 1 ♂, 1 ♀, on *Spizella* at 1. *D. nigricollis* 1 ♂, 1 ♀.
Tom. luteiventris 1 ♂, 1 ♀ at 3.

Lyphid. small red 1 ♂, 1 ♀.

Hemiteles spp. several ♀♀.

Chorebus *villosus* 3 ♂♂, 1 ♀, at 1, some at least on the hedge.

Coenophyllus common, several spp. at 1; 2 ♂♂ at 3.

Syrphid. 1 ♂, 1 ♀. *Andrena* 1 ♂, 1 ♀.

Lyphid.

Hemiteles 1 ♀, long terebra at 1.

Allodermis *lapidaria* 1 ♂, 1 ♀, at 1, at 2.

Zenaidura macroura at 1 & 3 (rare both).

D. temula ? 1 at 3, but lost after getting home.

D. sp. ♂ (of *temula*) with pale stigma, 1 ♂, 1 ♀. *Kilhamia* 1 ♂, 1 ♀.
 but the last 1 at 1.

Aphid. 2 ♂♂, 1 ♀, 1 ♂, 1 ♀, at 1.

Chalcid.

Proct.

Leptocryptus *xanthogaster* *cytharista* 1 at 1.

1 ♂.

29th April 1935. A perfect day! Harold X, DU.

Andrena grisea just seen in garden in afternoon.
Also small ich seen on black currant, not caught!

1st May 1935. Afternoon. Dull, nearly raining, wind
SE-F - Dull, SW - Lulls, strong & cool.

No sun.

Rode to Golden Hill, near Barmingham, Co. DU.
arriving about 3.45 & stayed till 6.30. Spent
entire time there beating Larch on hill top, & type.

Homada maculosa 100 beaten

[Verbs 99 several heard: no *Bombus* seen or heard]

Dolerus biogaster 699 beaten out of Larch.

" *acutus*, numerous 99 beaten. ^(3 sent to Saund.) 2. 100.

Lygus *caninus* 200, 19

L. sticticus? 100

Psithyrus erichsoni? 1 juv 9

beaten out of Larch on N. edge of plantation

Psithyrus sp. 100 on same tree as last.

Lissonota [pale, I think this is a *L. melanura*, as I took a single 9 in same place on 13.5.1936 and it was rather small with yellow feet and small with] 100 beaten out of Larch.

Pimpla *claytoni* 1 dead 9, beaten out of gorse, quite fresh.

1.5.35 cont. Golden Hill, Co. DU cont.
Then Larch, next 100. 1 beaten out of Larch.

Phaenocarpa? 100, beaten

Helictes *brevis*? 100 beaten

Orthocentrus? 100 beaten

Apanteles 3 spp.? (200, 19); all beaten out of Larch

[4th May 1935. Two Swifts seen at 8 PM. in evening, at Harold X DU.

5th May 1935. Very hot & sunny all day - no wind!

Andrena grisea 2000 & 99 in garden, 14 blue with

Rd. DU. at 9 AM. Also 19 *G. albicans*!

Many Swifts at 9 AM, none seen or heard in evening.

5th May 1935. As stated a perfect day!

Left Dublin 10.30 & rode to Grand Canal at Blessington Co.

About 3 miles below Sallins, arrived about noon. Collected

mostly by sweeping in marshy spots along E. bank of canal

to plantation which towered 7/8 mile below reaching

bridge (1 1/2 mile N of Sallins) where stayed & collected till

sun 6 o'clock PM. Left Blessington Bridge at 6.40

& arrived home at 8.10. Co. KD.

[Whitethroats heard in small places, many blackbirds
& 1 black on *Coronilla*]

7th May 1935. Very hot & sunny like the previous days! [Day after Jubilee Day]

Garden, Harold's Cross, DU. 7 PM.

Megachile centurionum 100, very fresh: very early date!

Andrena grisea ♂♂ & fresh ♀♀, latter "singing"

Homada muricellata ♂♂ & ♀♀ seen

Aspilota 100 on white currant near road.

12th May 1935 The poorest day since 4th!

Very cold & strong E wind, with rain & no sun till

3 PM, after a fine night & morning; then all sunny, but still very hard. Insects, except *Dolerus*, very shy!

Locusts, etc., along E side of lower reservoir.

Glenasmole, Co. DU.

Wood White
Butterfly

Bombus lucorum, *agrorum* & *terrestris*, a few ♀♀ only seen; one *lucorum* repeatedly visit gorse flowers!

Andrena clarkella 1 vigorous ♀ seen hunting for a flower (because ground was so hard): very late date!

A. albicans 1 fresh ♀ running herself.

A. grisea ♂♂ & fresh ♀♀ seen; frequent.

A. wilkella very fresh ♂♂ at one spot.

A. rufoparsa 1 ♀ seen, presumably this sp.

Halictus fucorum 1 ♀ seen.

Many insects taken this day are dated 14/5/35! PWS.

12/5/35 cont. Glenasmole, DU., cont.

Homada muricellata abundant.

Salix fusca ♀♀ seen; 1 taken with its spider!

Dolerus bimaculatus ♂♂ & ♀♀, just at.

D. areolaris or *eximius*. *D. picipes* 2 ♀♀, 1 ♂.

D. nigritus ♂, 1 ♀.

D. nigritus ♂ large ♂♂ flying round top of willows.

D. nigritus ♂♂ & ♀♀.

Dolerus rufipennis ♂♂ frequent.

Athalia lineolata 1 ♀: 1st for 1935.

Tom. luteiventris several ♀♀.

Pontania sp.

Euura ♂♂ & ♀♀

mostly beaten, some caught at *Salix*.

Ammonia histrio 1 ♀ beaten off *Salix cinerea*.

A. pallens? var. with dark stigma on n. sp. P. B. Brown. March 1936.

Schneumon cf. *black molitorius* ♀: yes! A.W.S. 12/5/35.

Centistes 1 ♂.

Hemiteles sp. 2 ♀♀, carded.

Cryptus ♂.

Attractodes or *Aspilota* 1 small ♂.

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By some error many of the insects taken in
Glenasmole on 12/5/1935 are dated
"14.5.35" AWS

12/5/35 cont. Glenasmole, DU. cont.

Pemphigus instigator 1 ♂ seen.

Anometid ♀ taken at Larch

Campoplegids 3 or 4

Euclyptus flavipennis 1, taken on hazel.

Exochus delator? ♀ & 1 ♂? Ochropis, about *Salix*.

Blacus 1 ♂? 1 ♀? 1 ♂? 1 ♀?

Phaenocarpa galathea Hal. 1 ♀ beaten off hazel, beside willow

Dacnusa areolaris ♂♂ & ♀♀ swept: 1 ♀ carded on willow

Aphidius ♂♂ swept: none kept.

Continued on willow
9/11/35 labelled by
near areolaris
AWS 9/11/35

Halictus leucopus ♀ seen in garden on evening of 11/5/35

on flowers of *Geranium rotundifolium*!

Also 1 ich taken on black currant.

GRAIGMANAGH TRIP.

175

14th May 1935. Left Kesh by 9.30 AM train
arrived Bagenalstown at 11.40. rode to Graigmanagh
via Bovis bridge & then down "the lane"
(= Kesh path, now disused) to Graigmanagh, where
arrived about 5 P.M. All collecting done in Co. Carlow.

An all sunny day, the 11th in succession, with fresh
very cold NE-E wind: too dry & windy for small
insects & only ♂♂ of *Andrena* numerous. Failed
collecting at various sheltered parts of road, where
♂♂ of *Andrena* *jaechi* & *A. nigrescens* (just past)
numerous, but practically nothing else seen: most
tried by river steep below Bovis bridge, where also many
of *Andrena* & here took 1 ♀ *Halictus lativentis* on *Bellina*.
but beautiful marsh yielded practically nothing & the
same to the east of many places along river lower down:
only in Bovis stream, where *Dinorthis* *R. jura* *Bombus* were
insects at all numerous & here took almost all the insects
& collected during day, also 1 ♂ *Crabro* of season (*C. vagans*).
Bombus lucorum, *agrorum*, *niger* (1), & *terrestris* (1) ♀♀.
Andrena *clivaria*, *jaechi*, *nigrescens* ♂♂ & ♀♀. *G. foveola* ♂♂.

Halictus lativentis 1 ♀ on *Bellina* in field below Bovis bridge.

Psoda *na-nanella* & *tipula* seen.

15.5.35 Loughbeg Wood, Co. CW, cont.

15.5.35. Evening. After tea walked up MacDonnell Road & along through
Brandendale Estate, on Co. KK, side of St. John's. Below Grousewood
Here took some specimens: - *Homocidus lucidus* ♂,
Megastylus ♂, *Stenobothrus* ♂, 10.2.19;
Chalcid *lucorum* ♀, *Rhyssalus indagator* ♂,
Aphidius 14, + 1 ♀ green Chalcid.

Stenobothrus ♂

Angitia ♂

Diadema ♂

Stenomacrus angulatus ♂ 1 ♀

Phaenocarpa 2 ♂♂ 3 ♂♂ + 1 ♂

Diadema ♂ 1 ♂ 2 ♂♂

Chalcid ♂ (1st specimen found), 1 ♂ (black ♂, strong red spots)

Eubedipus ♂ 1 ♀. *Mesochorus* ♂ 1 ♂ (1st specimen) 1 ♂ (1st specimen) 1 ♂ (1st specimen)

Mesochorus ♂ 1 ♂

Rhyssalus indagator 3 ♂, 1 ♀

Angitia rufipes ♂

Mesochorus 2 ♂♂ { *Chalcid* ♂ 1 ♂ 1 ♀ *Mesochorus* ♂ 1 ♂ 1 ♀ *Mesochorus* ♂ 1 ♂ 1 ♀

Phaenocarpa rufipes 2 ♂♂, 1 ♀

Chalcid ♂ (1st) 1 ♀ *A. fuscicornis* ♂ *A. evolutus* ♂ 1 ♀ *A. rufipes* ♂

Aphidius ♂ 1 ♂

Phaenocarpa 5 ♂♂

Diadema 2

Chalcid

16. May 1935. Not a bad day, but terrible H. rain,
very strong & cold, but left all small insects, & others
consequently more active - no rain!

St. Mullin's & Bakers Wood, Co. CW.

A few taken in Bakers Wood - but afternoon,
but all acrobatic & 1 ♂ under other is stated taken on
slope from road (from Glynn to St. Mullin's) to
stream (going E of Glynn), on Harton, clay bank,
in amongst Blackthorn; a few taken from bird's nest
near there occurred, about 1/2 mile above St. Mullin's village.

Bombus agrorum ♀♀ + 1 ♂ seen; often at Blackthorn, with ♂

B. lucorum ♂♂, 2 ♂♂ ♀♀. *B. lapidarius* ♂♂, at Blackthorn

B. lucorum ♂♂ seen, at Vails + Blackthorn

B. lucorum 1 ♂ seen

Pentapleura ♂ 1 ♂ seen

Andrena antemoria 1 ♂, 1 ♀ on Harton, another ♂
taken out of grass; all just out of my feet.

A. rosea 2 ♀♀, rather common, on Harton.

A. angustula ♀♀ very fresh, many times seen in Blackthorn
1 ♂, 1 ♂ seen + then both in ♂♂ + in Blackthorn.

A. jacta, *hypocera*, *monticola*, *albicans*, *albicans*

A. sandracella ♂ 1 ♂ at St. Mullin's

Halictus rubicundus at Blackthorn, *latreatus* 1 ♂, *calceolus*,
atropa, *nitidus* ♀♀ seen at Harton

16.5.35. St Mullin, Co. CW.

Sphodrus divinus? 1 ♀ taken, other seen

S. affinis? 1 ♀ seen

Nomada maculicollis & *hyala* seen

N. ruficornis 2 ♂♂ seen 4.4.35, 1 ♀

N. maculicollis 1 ♂ seen 4.4.35: one of them seen to slight to ground & immediately away, when many of the same of *N. maculicollis* which I had not noticed as to it called & looked in the air, but after a few minutes (they had not started yet) & returned to some 71 larvae were transferred with it.

Pompilus gilvus & *rupestris* 2 ♂♂ flying in track

Apanteles maculicornis 1 ♂ seen at Ballymore 18.5

Tenthredo *peruviana* 1 ♂ & ♀ on oak

Dolichopus nigrescens 3 ♂ & ♀, on oak. *Nomada ruficornis* - 1 ♂

Seladonia *viridis* 1 ♂ & *Stenomacrus* 1 ♀ (at Ballymore)

Empusa *fulva* 1 ♂ (at Ballymore) *Helictes* *undulatus* (at Ballymore) *Hoplacris* *pubescens* 1 ♂, 5.4.35 & *H. crassipes* 2 ♂♂ (at Ballymore) *Helictes* *undulatus* 1 ♂ (at Ballymore)

Euphorus pallidipes? 1 ♂ at Ballymore

Meloboris *delicatus*? 1 ♂ & 1 ♀, at Ballymore 18.5

Pezomachus *rupestris* 1 ♂ & 1 ♀, at Ballymore 18.5

Pezomachus *rupestris* at St Mullin *Helictes* 1 ♂ at Ballymore

Helictes *undulatus* at Ballymore *Helictes* *undulatus* 1 ♂ (at Ballymore)

Chorebus *viridis*? 1 ♂ at Ballymore

Promethes *similis*? 1 ♀ at St Mullin

Phytodietus *rubescens* 1 ♂, at Ballymore 18.5; new to Ireland?

Cont. on p. 183.

22 May 1935. All sunny, but very cold E. wind which freshened in afternoon.

Left home 2.10 PM & rode to Lifford, via Luncarty & Ballyshannon, arrived at Aqueduct near Rye Water valley (on Royal Canal) at 2.57. Stayed till 5 PM. Then rode down canal to Luncarty & home via Luncarty & Chapeltown.

Collected only on left bank of Rye Water, above the Aqueduct, Co. KD. Doing badly and nothing whatever taken in the wood & all insects brought home came from stream in field at foot of scarp (in shade of larch) & on the scarp.

Bombus lucorum 1 ♀, *B. muscorum* 1 ♀, *B. agrorum* 1 ♀

Andrena albicans? (*fulvipes*?) 1 ♀ on lily, flowers

A. picta 1 ♀ seen 1 ♂ & 1 ♀ seen

Nomada *hyala*, *maculicollis* & *pubescens* seen

(*Sphodrus* *maculicornis* 3 ♂♂ at St. Mullin *Sph.* *divinus* 1 ♀

Nomada *rupestris* 1 ♂ & 1 ♀

Rhyssalus *auratus* 1 ♂ seen

Helictes *undulatus* 1 ♂ & 1 ♀

Euphorus *pallidipes* 1 ♂ & 1 ♀

Helictes *undulatus* 1 ♂

(cont. on p. 184)

17th May 1935. A flippant at night & early morn.
 & frequent snow showers, with H. f. all day.
 Mt. Lister & Widdowson - both mts. all white
 with snow on grass pt. Rode from Greaves to
 Bapwalton, into field of pale & green to do ground
 in 3 1/2 hours. Saw one of Andrena grisea on
 hedge near Bapwalton during our hunt after a heavy
 snow shower. Really a hell of a day!
 Home about 5.20 PM.

19th May 1935. Rain at frequent intervals all
 day: not so cold. Started with Peter & George for
 Althorn but turned (at Siggery) for home.
 Took one of Bracon triangularis in garden on White
 Currant bush, at 12 noon, during sun burst.

21st May 1935. Garden, 14 Clareville Rd., Harold, X
 5.36 - 7.0 PM. 1st fine day since snow. D.H.
Crobia varians 30th & C. leucostoma 10th at
 holes in clothes line post; former all there 5 PM.
Chrysia sp. 1 at post.
Bombus lucorum 1st & seen, 7.30 PM, very fresh
 at flower of black currant.

16.5.35. St. Mullin, C.W., cont.

Tryphon with curia & ? genus at St. Mullin
Pentapleura ? small at St. Mullin
Acronycta ? or at St. Mullin
Hemiteles ^{flavomarginatus ? var. with all. head black} 4 at St. Mullin
Phaenocarpa ? at St. Mullin
Triclistus & Blacus ? 10.

Also built Tetraneura praecox L., near to Ireland - beech
 (probably off Hawthorn) by river below Ireland Wood. ^{See p. 182}
 1.4.35. ^{1.4.35.}

Collected by R.C. Farnham, at Farnham, Co. Wick, 1935.
Bracon cator 10th B. 2 of praecox 10th
Acronycta 10th Apanteles 10th
Euphranta 10th Pentapleura 10th
Opius 30th Opius 10th Opius 10th
Opius 10th 35-jointed antennae, probably Opius 10th

184.

Cont. from p. 181.

22/5/35 cont. Rye Water, K.B. cont.

Exochus pascuorum on hedge.

Tryphon sp. on wall - rare.

Bracon ruficornis 2 ♂, 1 ♀. *B. pudens* 1 ♀. *B. ruficornis* 2 ♂.

Exochus pallidipes 1 ♂.

Opius "pseudos" 2 ♂. *Opius* "sp." 2 ♂.

Microgaster scutellator 1 ♀ on the by drive, shaded area.

Gyrinus affinis "sp." 1 ♂, 1 ♀.

Dacnusa areolaris 1 ♀, 1 ♂. *D. gilvipes* 1 ♂, 1 ♀.

D. "pallidipes" 1 ♀ seen & taken at Felling, 5.5.35.

Chorebus concolor 1 ♀.

Bombus & *Halictus*.

25th May 1935 Garden, 140 Colchester Rd., B.I.

7 P.M.

Homocidus pictus 1 ♂, 1 ♀, first seen this season.

Chrysis ignita 1 ♂, 1 ♀, seen on the path.

C. ruficornis ditto.

Vespa 1 ♂, probably *V. vulgaris*, seen on the path, first seen.

185.

26th May 1935. An almost perfect day except for strong E. wind, but not so hot as previous days, & wind dropping at 4 PM - off quite a lot of insects out, but none like the night in mind.

With George & J.A.S. Palmer. Left a night bank of R. Liffy at Athdown Co. WI.

Right bank in forenoon = 1. Left bank - afternoon = 2.

Bombus lapidarius 1 ♀ on the hill. *B. lucorum* - about 1 ♂.

B. agrorum 1 ♂, 1 ♀. *B. terrestris* 1 ♂, 1 ♀, 1 ♂.

B. distinguendus 1 ♀, several reported by Palmer.

B. jonellus 1 ♂ at 2 on *Vaccinium* flowers.

Andrena grisea 1 ♂ on roadside near Sallygreen.

1 ♀ seen at 1 but at 5 P.M.

A. nigraenea 1 ♂, 1 ♀ (Palmer) 1 ♀ with pollen at 1.

A. angustior 1 ♂, about a doz., at various spots at 1, mostly around field though 1 ♂ fell from road to hedge near, especially on one stone by sunny path down scrub 100 yards below bridge near the oak wood.

A. cineraria 1 ♂, 1 ♀, 1 ♂, 1 ♀.

A. juncata several ♂♂ & ♀♀, 1 ♂, 1 ♀.

A. leffmanni 1 ♂, 1 ♀, taken, no doubt other seen.

A. wilkella 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀.

26/5/35 cont. All down 6 Wt. cont.

Andrena subopaca & *rupestris* ♂♂ & ♀♀ at ^{the hills}
Halictus ruficinctus, *colerata*, *fulgens*, *leucophaea* ♂♂
Stenobothrus affinis 1 ♂, 1 ♀
Nomada bipunctata & *monticola*, 1 ♂ each, seen.
N. killarney seen very fresh ♂♂
N. flavipennis ♂♂ & ♀♀ frequent
Gorytes mystecus? 1 ♂ at 1 above bridge, on log.
 An early date, especially at 800-900 feet alt.
Dolichopus ♂♂ at 2.
Tenthredopsis nemata ♂♂ frequent
Rhyssalus conspurcator & *viridis* frequent
Salix *straminea*? 2 ♂, ♀♀ seen, but not examined
Strongylopterus curvicauda, 2 ♂♂ taken, 1 ♂, ♀♀ seen.
Simulium *virididorsata*, 1 ♂ on bank at 2.
Ceratomyza ^{fallax} ♂ on *Salix* at 2.
Portesia 2 ♀♀ (1 ♂) All *Salix* - *plumosa* & *portulacastris*
Larus ♂ ♂ (1 ♂) at 2.

Cantharis 1 ♂

26.5.35 cont. All down 6 Wt. cont.

Alomyia debellata ♂♂ frequent, but not all seen.
Cryptus 2 small ♂♂ (1 ♂, 1 ♀) & 1 ♂, 1 ♀ seen.
Phyllocnistis 1 ♂ on *Salix* at 2.
Pimpla flavicollis 1 ♂ examined.
Cryptophaga *armata* 1 ♂ at 2.
Cataglyphis *fulvipes* abundant, 3 ♂♂ at 2.
Campoplex 5 ♂, 1 ♀ seen.

27.5.35
 Cornus
 P. CV
 R. C. Farn
 See p. 183
 ante

Euphorbia pulchra ♂ at 1, 1 ♂, 1 ♀ on *Salix* at 2.
Cannula 2 ♂♂ at 1 & 2.
Microgaster 1 ♂ on *Salix* at 2.

Beetle *Hylaeus* 1 ♂, 1 ♀; 1 ♂ on *Salix* at 2.

Small *affinis* ♂
 from *Hylaeus*
 See *Hylaeus*
 common

29th May 1935 7-8 P.M.

Garden, 14 Clareville Rd. All, as usual.
Oxygaster pictus 100 seen.

Apanteles ("dichelus" Hal.) ♀, long terebra

Oedonotopis scaberrima 100, 1 ♀

Homocidus nigritarsis 100 *H. pictus* 100 *H. pictus* 100 *H. pictus* 100 *H. pictus* 100

Chalcid 1 *Cynipid* 1

30th May 1935 3-0 till 5.0 P.M.

Slade of Saggart, Co. DU. Thunder & rain, 4.20 rain
 dull, with some short sun bursts, rather windy (E).

Most insects taken in wood on W side of slade, along old road,
 but a few swept in meadow by mill race below.

Bombus muscorum 1 ♀ seen, but I do not remember seeing more.

Homocidus flavipennis 100. *Sphex* 100. *Sphex* 100.

Formica ruginotata 100 seen at back of mill race.

Trichodactylus 100 seen on rose by mill race.

Small black species in wood = *Calocampa* rather? 100.

Tomostethus 100 seen by old road.

Trichodactylus of 100 (probably *Trichodactylus*) common in wood.

30.5.35 cont. Slade of Saggart, DU., cont.

Phaenocarpa 100 100 = *P. placidus* 100 100 100 100

Chalcid 100 100 = *Chalcid* 100 100

Pimpla 100 100 = *Pimpla* 100 100

Tryphon 100 100 = *Tryphon* 100 100

Small 100 100 = *Small* 100 100

Trichodactylus 100 100 = *Trichodactylus* 100 100

Chalcid 100 100 = *Chalcid* 100 100

Apanteles 100 100 = *Apanteles* 100 100

Trichodactylus 100 100 = *Trichodactylus* 100 100

Rhyssalus 100 100 = *Rhyssalus* 100 100

Opis 100 100 = *Opis* 100 100

Opis 100 100 = *Opis* 100 100

Chalcid 100 100 = *Chalcid* 100 100

Chalcid 100 100 = *Chalcid* 100 100

D. lugubris 100 100 = *D. lugubris* 100 100

Tryphon 100 100 = *Tryphon* 100 100

Chalcid 100 100 = *Chalcid* 100 100

Chalcid 100 100 = *Chalcid* 100 100

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30 S 35 cont. Slide of Lycopodium, L. cont.

31 S 35 70-80 PM. Thundery, dull, rain

Garden, 14 Clareville Rd., Du.

Oedemotopus naticola ♂ & ♀*Momotus* ? ♂*Hemiteles pictus* ? 2 ♂♂*Anteon* 2 ♀♀*Leuc**Bombus agrorum* ♀ seen at *Geranium* - *prunum*.*Cryptus rufus* ♂ at path.

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2 - June 1935. A fine day but very strong SW rain
after a break - rather a warm rain at night, dull
with some shower & sun burst in forenoon, but all morning
& cooler in afternoon. Left home 9.30 & rode
with Palmer to Athdown, arriving about 11.45. Stayed
there till 4.30 & with wind behind rode to Tarragh
about 1 hour & 2 minutes.

Athdown, Upper Liffey, Co. DU, in Liffey

Right bank = 1, left bank = 2.

Bombus muscorum ♀ on *Hebe*, *B. agrorum* & *B. lucorum* ♀♀ seen*Andrena angustior* fresh ♂♂ & ♀♀, but still no sign of ♀♀.*A. ruficornis* ♂♂ & ♀♀, *A. villosa* ♂♂ & ♀♀, *A. jacobae* ♀ (black)*A. lapidaria* ♂ at 2, *A. subopaca* ♀ on *M. Ash* flowers, ♂*Halictus calceolus* & *rubicundus* ♀♀, very few seen*Sphindus montivagus* 1 ♂ taken. *Sph. affinis* 2, ♀ seen*Monocle mactanella* seen. *M. hilliana* ♂♂*M. glaucopollata* ♂♂ & ♀♀*Terthodella parvipes* & *trivialis*, black ♀♀ & both off at 2*Phygadeuon* ♂♂ & ♀♀ seen*Dolichopus geminatus* ♂♂ frequent, 1 ♀, at 2, before path taken*D. senilis* 1 ♂ (1?) seen. *D. laevis* & ? kept. both very green &*D. purpurea* ♀♀ seen

2.6.35 cont. Athdown, Co. WI., cont.

Stenobothrus lineator 2♂ seen

Attila cordata seen, 10 sent to Tarrant.

Selandria straminea ? normal 9♀ sent to Tarrant.

Pimpla sp. *pallens* 1♀. *Pteronoma* *tenax* 10♂

Pontania sp. 2♂♂ at *Salis* at 2 = *P. brevicornis*?

Enema 2 spp. 2♂♂, at *Salis* at 2 = *E. str.* ? & *E. robusta*?

Arga nitidula 2♂♂ (sent to Tarrant): 1 taken out of bagel & one of *hutton* flowers, both at 1.

A. fuscipes 1 beautiful ♀ on *hutton* at 1.

Centistes ? 1♀

Centistes *superior* 2 seen.

Euphyas 2 red 2♂♂ (sent to 1)

Euphyas ? minor ♀

Microplitis ? 1 seen, also small, red 1♀

Pentapleura 2♂♂, 1♀

Chrysochus 10♂

2.6.35. *Anthrax* *humilis* 1 sent to Tarrant
+ 9♀ taken by J.S. Hyman at *Glengary* Co. WI.
2.6.35. Taken by F.O. Mahony at *Prospoon*, Co. WD.
Euphyas 1♂♂. *Tryphon* 1♀. *Centistes* *superior* 1♀
Stenomacrus 1♀
Aspilota 1♀
3 *Proctos*

2.6.35 cont. Athdown, Co. WI., cont.

Pimpla lineator ? 1 large ♀ taken, 2♂♂ seen

Colpocampa quadricincta 1♀.

Exochus flavoviridis 1st 2 (2nd kept.)

Phaenocarpa *variegata* 10♂

Centistes *gemellatus* ? 10♂, very nice

Chrysochus *fulvipes* very common, none kept.

Tryphon *signatus* ? normal, enough to kill.

Pentapleura *superior* ? 10♂

Euphyas 1♀. *Centistes* *gemellatus* ? 1♀.

Exochus ? 1♀ (kept.)

Centistes *braconius* 1♀ on bagel at 1.

Microplitis ? 1 on *Salis* at 2, also sent to Tarrant.

Euphyas *fulvipes* ? 1♀. *Centistes* *gemellatus* ? 1♀

Pentapleura *superior* 10♂

Microplitis *nitidula* 1♀ taken out of *Salis* at 2.

Centistes *gemellatus* 1 male 4.

[Too windy for *Braconids* & *Microplitis* yielded nothing.]

Proctos 2

194

5th June 1935. aft. 2.30 - 3.30 PM.

Very fine, after a dull morning & wet night, temp. 60° - 65° -
wind at 3.30 to put us out to collecting.

Slade of Saggart, Co. Dub. with A.H. Grogan.
Beat White Birch tree (*Sorbus pumila* fide R.G. Grogan) which
grows on rocky bank above road on E. side of slade, but
no hymenoptera seen except Honey Bees, though many flies.
On slope between rocks & above road at the place swept
very large ♀ *Dacnusa areolaris* & a ♂ *Dacnusa* of a
species near *D. laticornis*; Sub. Grogan took
a ♀ "*Microctonus*" with sculptured 2nd segment, abdomen yellow at
sides, & very short terebra; superficially like *terebella* except
for faint clear rings & sculptured 2nd segment.

All the rest taken in wood along old road on W. side
of the slade, mostly by sweeping, some by beating trees.
No aculeate seen except *Dryinids*!

- Anteon? 2 large black ♂♂
- Aphidius* *malicorum* 2 ♀♀
- Tenthredino* *versata* 4 ♀♀ beaten out of bush, not obs.
- Tenthredella* *maurandae* seen. T. sp. 1 ♂ (Grogan)
- Ametostyia* *opacit* 1 ♂; *Tom* *laticornis* ♀ (Grogan)

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5.6.35 cont. - Slade of Saggart, Dub. cont.

- Brachistomerus* ? 1 ♂
- Phygadeuon* 1 ♀, not obs.
- Microctonus* ? 2 ♂♂ (1 not obs.)
- Microctonus* 1 ♀
- Proctos* 1 ♀
- Triclistus* 1 ♀
- Platygaster* 1 ♂, not obs.
- Microctonus* sp. 1 ♀ (Grogan) see off page 194
- Phygadeuon* 2 off. 1 ♂ - R. *brachistomerus* & R. *apicicornis*?
- Macrometaco* *reticulatus* 1 ♀
- Apanteles* 1 ♀
- Opius* several off. about 7 spec.
- Alloea* *contracta* 1 ♂ (given to Grogan!)
- Dacnusa* *adducta* 1 ♂. *D. cf. affinis* 1 ♂. *D. areolaris* 1 large ♀ at foot of tree.
- D. cf. laticornis* 1 ♂. *D. cf. pumila* 1 ♂. *D. cf. areolaris* 1 large ♀ at foot of tree.
- Aspilota* ♀ of *calidula*? *A. cf. pumila*? *A. 288* cf. *microgaster*? *A. cf. concolor* ♀.
- Orthocentrus* ? cf. *exilis* ♀?
- Coelinius* *obliquus* 1 ♀.
- Proctos* about 4. *Aphidius* 1 ♂ & ♀? & small ♀

196.

5/6/35 late evening, after rain, very hot sun.

Garden, 144 Blenheim Rd, DLI.

Bombus jonellus 1♂ seen at table 1st of species in garden 1935.*Crabro Cuvierianus* & various beetles out.*Odynerus pictus* ♂.*Leptocryptus* ♂♂ playing about *Phlox* citharista &2 red *Cryptus* ♂♂.*Pentatom* 1♂.*Oedematopus scabricollis* 1♀.*Mesoleius* red ♀ at fern.*Homocidus nigritarsis* 1♂.*Microgaster* or *Microplitis*? 1♂.

197.

8th June 1935. Left Kingsbridge 9.30 train & arrived
Barnstaple at 11.40, where delayed by transport
halt & then to Barnstaple & down R. Barnstaple (on two feet) to Grogan's, collecting
at various places, chiefly along river edge
of Barnstaple & all Co. Cornwall.

Strong west wind in afternoon made collecting
difficult, but many insects out, though several
additional specimens made much of difficulty.

With A.M. Grogan!

Bombus terrestris & left bank of R. Barnstaple, Co. Cornwall.*Bombus agrorum* 1♀ seen all day!*Gasterocercus* ♂♂.

Crabro Cuvierianus 1♂ & *C. scabripennis* 1♂, both taken by Grogan,
one at foot of fern road to two feet at Barnstaple, & other at S.W.
corner of demarcation, but "shut".

Terthodopsis micropus, *T. laticollis* & *T. fuscicornis*.*Macrophysa elliptica* 1♀ amongst grass & fern, near foot of fern.*Terthodopsis micropus*, black ♂♂, red & black ♀♀.*Empidus* ♂♂.*Oreometopon lineatipes* 1♀.*Cryptus* 5 small ♂♂, several 11.30, 12.30, 13.30.*Hemiteles* variety, purple ♂.

[illegible]

girardialis &
 On 2 other persons
 described by Dr. J. Stei-
 n, also type of natural
 species of
 named A. W. S.
 1936

Proctor 4 off

signified

221.

9.6.35 cont. Belona Wood & St. Mullins, CW, cont.

Aspilota rufipes ♂?

Aspilota, 10, 4-jointed antenna, but no marked head or petiole

Microctonus, larger ♂, 27-jointed antenna, smooth to scutellum, head etc.

M. rufipes 4, 26-jointed antenna, smooth to scutellum, head etc.

Cypselus ♂, 1 ♂, antenna broken at tip, but 39 joints missing.

Chysio incognita? 1 large ♂, with 42-jointed antennae.

Aspilota princeps 1 fine ♀, with 31-jointed antennae.

Aspilota 1 ♂, 1 ♀ (*Synaldis*)

Dacnusa 7 "talaris I Nixon" 1 ♀ = *D. nyctia* Nixon, fide Nixon, 25.2.1938! same.

D. 1 ♂, smaller than last, but seen with same "pond" etc.
 none of 2-7-jointed antennae but still quite robust, antennae 1-jointed.

Proctos 3 H.

10th June 1935. After a wet night & fine early morning, a drizzle started at 11 AM & at noon developed into a downpour, without wind, warm; then S.W. wind sprang up & cleared off the rain but made collecting difficult & masses of rain left vegetation too wet to sweep. Except in morning few insects out, but many collected with net from under leaves of beech, alder, laurel & during the heaviest rain about noon in Borris demesne (S.W. corner) by river, & immediately after it cleared & some took sunbeats permitted; later in aft. a good many insects taken in demesne woods about a mile below Borris bridge & just below bridge leading from boat house to river under two paths.

Borris demesne, Co. CW.

SW corner, near "Black River" flows into R. Barrow = 1

Woods near boat house further up river = 2

Bombus agrorum several ♀♀ seen at 2

Psithyrus guadriviridis 1 ♂ taken, with tarsus at 2.

Homocidus maculicornis 1 ♂ at 1

Gorytes mystecus ♂ at 1

Vespa 1 ♀ seen (like *V. vulgaris*): only *Vespa* seen during the week.

Crabro rufus 1 ♀ on log about 1/2 mile on 14th May.

10/6/35, Bourn, Leicestershire, Co. SW cont.

Pachyptera *antennalis* ♂♂ abundant flying over the water.

Tenthredinella *alba*? ♂♂, *T. marmorata*, *T. lineata*.

Hamaxia *varia* ♀

Blennocampa ?
affinis

♀ taken during rain under leaves of *Salix* - leaf.

Cratichneumon *ruficornis* 1 ♂♂ C. ? sp. 1 smaller ♂.

C. ? annulatus 1 ♀

Acronicta *nervosa* 1 ♂, large ♂ by bridge over tributary (Bourn).

Pteronophorus *periphrastus*? 1 ♀

Euclyptus? 1 ♂

Euclyptus 1 ♂, 2 ♀ & 2 ♂♂

Stilpnus *limneriaeformis* Schen. ? 1 ♀, which seems to be a new form, pale legs, with pale hind tibiae.

Pimpla *maculata* ♀, under leaves in rain.

Tryphon *minuta*? 1 ♂ *Eupator* *fragrans* 1 ♂.

Pentaneura? 1

Colletes *pediculus* ♀, under leaves in rain.

Orthocentrus ? 2 ♂♂, large ♂♂ but small, under leaves during rain.

Exochus 1? (cf. *niger* Bdy), 1 ♀, about black legs.

Homocidus *gissouri* 1 ♂ under leaves in rain, also 1 ♀ taken after rain.

Mesochorus several paired.

10/6/35 Bourn, Leicestershire, Co. CW, cont.

Mesochorus ?? 1 ♂, carded, with averted, yellow face & sternum, etc.

?? Several paired.

Mesochorus of 2 ♂♂, under leaves in rain. *Myristicivora* *lineata* 1 ♂

Holcirus? 1 ♂. *Camptopogon* (cf. *leptus*) 1 ♂, 1 ♀.

Paniscus 1 ♀

Bracon sp. black, long terebra, taken here on 8/6/35, 2 ♀♀ in wood. *Blacus* *dimidiatus* in rain.

Synaldis sp. ? on very small ♂ (cf. *cardatus* in *flavescens*) under leaves in rain.

Pteronophorus *periphrastus* 2 ♀♀ under leaves in rain.

Colletes *brunneum* 1 ♀, in rain.

Spathius *rubidus*? 1 ♀ under leaf (cf. *black*) during rain.

Pentaneura *sparsa* 2 ♂♂, 1 ♀ and 13 *pygmaea* 1 ♀, all under leaves in rain.

Euclyptus *fulvus*? 1 ♂ under leaves in rain.

Adelius *dracunculorum* 1 rather small ♂, swift in rain.

Aspilota sp. 2 ♀♀ under leaves in rain.

Exochus *adductus* 1 ♀, under leaves in rain.

Proctos 8 under leaves in rain.

Chalcids 2 under leaves in rain.

[Returned to Gough's by 7.12 train from Bognor Regis.
Wind drift with rain. Home Bridge till 10.45 PM.!!]

12th till 20th June 1935, during which period the weather was very wet & I was laid up with tonsillitis.

Formerly recorded as "Mayfield" AWS

Garden, 14 Berwick Rd., Harold's Cross, Dublin.

Bombus lucorum several ♀♀ on thyme in front garden on 20th.

B. agrorum 1 ♀ seen on several dates from 12th - 20th on *Geranium columbinum*, *G. pinnatifidum*, *G. sanguineum* & on *Salix repens*.

B. jonellus 1 ♀ seen at *Orchis purpurella* in tub on 12th the first of this species seen in garden during the year.

Vespa germanica a very large ♀ on 19th & 20th.

V. sp. 1 ♀ seen in front of house on 20th; probably *germanica*.

Odynerus pictus ♂♂ seen on several dates.

O. irritator 2 ♂♂ in back garden on 20th & 1 ♀ on 12th.

Chrysis viridis small ♂♂ frequently seen: & some of them the night in clothes' line post-tubes.

Crabro varius in great abundance, mainly ♂♂.

C. leucostomus usually a few about.

Periphragma shuckardi 1 ♀ examined on 20th.

Halictus calceatus 1 ♀ on *Columbin* on 20th.

H. leucopus 2 ♀♀ very early on *Geranium pinnatifidum*.

12th - 20th June cont. Garden cont.

Andrena albicans 1 fresh ♀ on flowers of *Rhamnus cathartica* on 19th & same ♀ on 20th. (Known by a patch of matted hair on mesonotum!).

Promethes macleodii 1 ♀ on *Rhamnus* on 20th.

♀ *Promethes* fly in front garden on 20th i.e. about six weeks after ♂♂ seen in back garden.

12th June 3 small *Chrysis* ♂♂, 5 ♀♀.

[E. O'Mahony took at Ballymunt, Co. DU., on 16th June. *Homocidus pictus* 1 ♂♂, *Onophanes lanceolatus* 1 ♀]

[J. S. Flynn took in garden of Roche Hotel, Glengriff, Co. Wick.

Panophthalma rosaceum ♀ on 16th June; *Lissonota maculata* ♀ on 16th June.

Arga metallica on 21st June; this last sent by me to Brit. Museum in Oct. 1935.]

H. leucopus ♂♂ et *Geranium* & *Campanula*.

[The Vespers seem all day!]

O. sinuatus 100 stems

[Current blowing north. 5 taken: then sit with wings at same angle & look superficially like an *Odynerus*!]

Colaptes auratus several about post all day: 3♂♂ + 1♀ seen on post at one time the previous afternoon.

Penstemon thurberi 109.

25th June 1935. Garden, 1/2 Blair St. Harold Cross, 20.

Spilomecia trochiloides 2000, 1 ♀ taken in rather thin part
with a similar looking *Chalcid*: all at all in one card.

Ellempus curvatus 1, the first seen in garden.

Apanteles anomali 1 ♀

Leptopygus sp. 100 taken, many seen.

Stenobothrus detrita 1 ♀ of the group.

Taxila sp. 100