



Vol. 16.

# DIARY

STEWARTS  
REFERENCE  
514-3 2/3  
4 COLLEGE GREEN  
DUBLIN

From 28th May 1946  
till 12th May 1948  
but excluding period from  
30th June 1946  
till 8th August 1946, for which  
period see end of Vol. 15.

A. W. Steyer



## KERRY TRIP 1946.

28<sup>th</sup> May 1946 (Tuesday). Left Dublin by 10 AM. train, arrived Tralee 7 P.M., where met by car & drove to Clohane at NE foot of Brandon Mt., where stayed. After heavy rain on 27<sup>th</sup>, rain again early today, but cleared about 8 AM. & only showers during day; strong, to gale, SE. wind with showers, dropping in evening, where rain came on at Clohane about 10 P.M.

In Templemore station, Co. Tipperary, took a ♂ *Aspilota* (*Synaldis*) *passicornis* on carriage window: not kept.

In marshy ponds N. of railway <sup>+ 1 mile W. of Banteer</sup>, W. of Mallow, Co. Cork, saw our first *Osmunda* - a very fine show; *Euphorbia* <sup>hibernica</sup> not seen for some miles further west & *Osmunda* very rarely until is crossed the divide into the Killarney basin & N. Kerry; N. of railway, 1/2 mile NE. of Rathcoole, saw a curious elongate, dry, turlough - shown as a lake on 1/2 Ord. map, but today dry except possibly at extreme E. end, not visible from carriage.

29<sup>th</sup> May 1946. After gale (SE) & rain all night, gale continued with driving misty rain till mid day, sometimes heavier & sometimes clearing, with sun often visible, walked for a mile or so towards Brandon Village & back & watched birds very wetting!



29.5.46 cont.

As rain stopped about 2 P.M. walked up valley to Lough Arsonane into teeth of gale, round base of cliff, etc. at head of lake & home at 6.30.

Pasture fields in valley full of purple Marsh Orchids - presumably *O. majalis* v. *occidentalis* Pugsly but I doubt if this really differs from the Scottish *O. purpurella* Jeff. *Pinguicula grandiflora* also abundant & very curious to see this growing with a yard of Cowslips, which are also abundant in the old pastures or hayfields.

*Sax. aizoides* also a common roadside plant, with many clumps of *Ornithoglossum*. Across of wet meadow below & around *L. Arsonane* full of *Sedum album* & one plant of *Pinguicula lusitanica*, just in flower, seen near outlet from *L. Brathay*, also also getting a curious moss with fruits like *Sax. hypnoides* (orange) (No. 1) & purple stems = *Sax. hypnoides* <sup>sp. *hypnoides*</sup>

*Sax. Geum* the prevailing *Saxifrage* about <sup>the</sup> *L. Arsonane*, & 100 yds. above outlet, on the reach the wood in valley a *Lawsonia* fern with large leaves grow on S. bank of the stream. Much Thyme seen at base of cliffs S. of Lake,

Page of Sax. Geum must be 29.5.46 cont. 29.5.46 cont. 29.5.46 cont.

29.5.46, afternoon cont.

on the face of which is a patch of oak scrub (I no doubt other shrubs also). A few patches of *Corylus* *diphylla* & a few plants of *Sedum album* seen on cliff, also one small *Hieracium*, also represented the "Alpine". Many *Lawsonia* plants, under *Fragaria*, seen at base of cliffs. Collected a few more & *Shepherdia* for *Wicklow* & *Winn. Thomson*. Failed to find any *Vaccinium vitis-idaea* which was taken in 1914.

29.5.46, evening.

No *Tree Sparrows* <sup>ANS</sup> <sub>not at *Clayton* 20.6.46.</sub>

After supper went to bridge to look for *Tree Sparrows*, as we had seen Sparrows there in afternoon (as reported by *Meyer* & *F. Rutledge*), but none visible. There were in afternoon several *Tree Sparrows* & the few in my opinion were *Home Sparrows*, got all the birds of this species. Perhaps have one sitting!

Went on across *Ormeau* for half a mile & the home. Saw *Tree Sparrows* & the *Tree Sparrows* though chilly, drizzling & after 9 P.M.



30th May 1966. After a fairly fine & calm night, wind back to S.E. & rising, clouds down & an overcast look about the top clear mountain. Weather decided a walk to summit & plants all a goal to go, got back & walk for Bournemouth on Brandon Mt at 11 AM. just as drizzle started. proceeded to path to Taha & then on round shoulder of hill with gale & increasing rain in our backs & soon pretty wet on one side & one (left) foot full. Walk into woods by one creek, so had lunch in shelter of large boulder & rained rain down of the woods in a corner. Waterfalls everywhere & increasing! During a lull we pushed on the side & then had to seek shelter again as a deluge of rain, sleet & hail swept up the valley. After hiding behind a boulder with umbrellas for a while, for nearly an hour, the wind changed, rain ceased to drizzle & we emerged, & pushed our way across the woods to foot of black cliff at about 1750 ft. & just below upper woods, where I hear some noisy Sandpiper were to be found. Spent some time here & collected some *Sax. <sup>crispata</sup> ~~crispata~~*-like forms (= KB Nos. 1 to 8) & then as mist mad warmer & inclined to left

wind from SW., went on into upper woods to foot of path on to east N. of the summit. From the spot where I took a cliff to S. (alt. ca 2500 ft) up slope of some wood will find plants. On cliff about 8 ft. above slope was a patch of white flowers, which looked like gigantic *Sax. stellaria*, but on approach proved to be a *Moss* & on closer inspection proved to be *Bonin Sax. affinis*, said to have been originally taken on summit of Brandon by J.T. Mackay in 1805 & now said by Brewer ("Botanist in Ireland") to be "retracta". This had had enormous (3" diam.) white flowers, with narrow concave, elongate, petals, tendency to curve in along the sides - in fact as Don says & as Bostington (in the ed of English Botany) reports, the character distinguishes it from all other noisy Sandpipers, at least those which I have seen. Other morning round about the upper trees & we not yet in flower, so I cannot say if they were *affinis*. Close by the above *affinis* (= KB-10 of my list & etc!) were fine in small plants of Holly Fern in hollow of the cliff, about 3 ft from base. *Adiantum* *cliffordii* was seen on N. side of ridge below upper trees, & in crevices of the woods, & again frequently at base of upper cliffs, where I



don't remember seeing it in 1910-12-14. *Oryza* frequent  
 & *Sedum* *rupestris* everywhere. Perhaps the most surprising  
 plant seen on the alien *Epilobium* <sup>pedicellatum</sup> ~~subterminatum~~  
 which now forms sheets along all the hills as high  
 as we went & all over the coast. It is also  
 common to see *Thymus* almost everywhere, as the plant  
 does not grow in the Galton, where we have spent  
 our last three annual holidays. On way home  
 via the "official" path along N. side of coast, at  
 ca 2000 ft. found a mossy *Scaevola* (KB-9) (and  
 still) which at a distance looked like a *Lychnis* form,  
 owing to the long barren shoots - probably due to fact  
 that it gets the sun & is not affected by the recent  
 drought, as most of the moss in the coast has been  
 yet it was only one bud - which form it belongs  
 to I don't say, but it looked very different to those  
 on other sides & at head of coast. During the recent  
 drought one of the pools between the tanks had dried up,  
 with the result that when recent rain filled it, its floor  
 of *Saxatiles* being filled with air floated to the surface & looked  
 like dead hodgepods floating on the pool.

31<sup>st</sup> May 1946. A fine morning with several showers  
 after a showery night, wind strong S.W., glass falling  
 in afternoon rain set in tonight, about 10 PM.  
 Reached table 1 30<sup>th</sup> by which time wind had shifted.  
 Spent morning with a few *Scaevola* taken in 20<sup>th</sup> & 21<sup>st</sup>  
 some off to Demand hill. After lunch out for  
 walk to Brown on the little hill opposite Colophon on  
 E. side of estuary, where remains of woods evidenced by  
 dense scrub of *Schinus* (mostly *aurita*), *Corylus*; one small bush  
 of *Psidium* also seen (the first in district?). Very many species  
 of sedge seen (*C. tenuis*, *Horanubia*, *Sparganium*, *glabrum*,  
*Ptilopus*, *godeauxianus* (rare), *Proserpinaca*, *calycina* (rare),  
*Sagittaria* (rare); *Lychnis* (in cut on top of road to Fingy).  
 Some lovely patches of *Pinguicula grandiflora* in wet patches on  
 W. side of Brown & a few plants of *Ornithoglossum* seen there, but  
 no other plants of interest seen.  
 Tried sweeping in low grass from front of bridge over Brown  
 to coast & along shore, but very few *Lychnis* out.  
 The following insects swept in low grass on shore: -  
*Lasius niger* ♀ shaken out of overhanging vegetation on shore bank  
*Phygadeuon*? 2 small ones  
*Promethes pallidellus* 1 ♀  
*P. cognatus*? 1 ♀, probably immature, 1 dead one



21.5.46, cont. Brown, Clough, Co. EK. afternoon.

*Meloboris* ♀, third common

*Meriloboris*? ♂, nice ♀ =

*Helictes* ♂

*Apanteles* cf. *luteicornis*? ♂

*Pentapleura punctata* ♀

*Diaparsus* cf. *ovatorius* ♀, with dark legs, long antennae, small wings  
& very plebeian tergite 2-3, 5

*Chalcid*

*Stenobothrus* =  
Several beetles

12<sup>th</sup> June 1946. A fine day, wind round to NW & moderate, after a fine night: all sunny & not above 44 °F. at 1 P.M., then wind above 2,000 ft. for most of afternoon, clearing at intervals & finally rising to 3,000 ft. about 7 P.M.

Left hotel at 10.5 A.M. & reached it again at 5.5 P.M. Walked up to Faha & then on to ridge N. of same & started down to Owenaspore & worked up it to L. Druff, inspecting all the cliff cliffs on left as we went. Had lunch by river at 1.30.

The whole valley & cliffs very poor in plants but by the large series of waterfalls on Owenaspore at ca. 1200 ft. is discovered an abundance of *Subthripis europaea*, which we found on the bank of the stream & on the rocks. Later found it by some stream, & very much degraded. It is below L. Druff, at ca. 2,000 ft. or a little more (the 1,000 ft. is a guess).

Searched in vain for many *Stenobothrus* on the cliffs & by stream, until within 100 yds or so of L. Druff, when a pair of *S. "bata"* (looking very like *hypocrita*!) were spotted in flower, fringing the bank vegetation on both banks of the stream & on side tributaries for some distance, often growing amongst fungus (of *Aspergillus* or *effusus*, but not in flower), with long trailing shoots, some of which have simple

=KB-13.



1.6.46. cont.

leaves just in hypocaust, & some trifid leaves.  
 flowers stems long & slender (to 5 inch) about  
 1/2 inch, & some of flowers had a touch of  
 hypocaust about them. Other plants seen  
 in the valley & on cliffs were *Saxifraga*  
 (common on steep slope S of Overapere at about  
 1200-1300 ft & just coming into flower), *Leucophaea*  
*grandiflora* (in profusion & very fine show), *Sedum*  
*rupestris* (the common "alfin" on the cliffs & also (rare)  
 the one of (conspicuous). *Sax.* umbones & some  
 hybrid-looking forms, but no or very little true  
 green seen. *Sax. stellata* (not seen until we  
 got well over 1500 ft. & the frequent);  
*Silphofolia europaea* (1200 ft & 2000 ft. on rocks  
 by stream; see note on p 9 above); *Hieracium*  
 sp. (= *anglicum* of Hart?) (one colony at about 1700 ft.  
 above where we reached plateau was seen); *Solidago*  
*virginica* (one fine clump only, near tent); *Hymenophyllum*  
 sp. (probably *unilaterale* or *peltatum*) (frequent above 1500 ft.);

1.6.46. cont.

Large Luff is a very pretty fern, shallow & full of  
 red plants. *Myriophyllum*, *Saxifraga* (small),  
*Poleoglypta* (quite a common one of this sort. NE  
 corner) & a shallow fern (no doubt *conspicua* var.)  
 more & a creeping, trist-pinnate leaf-like hepatic,  
 on the day - about a foot of water, still on mud  
 when a trillium entered at NE corner was an about  
 numerous *Callitriche*. Investigation with scope  
 at S & SW edge produced many *Pseudis* *leucis*  
 (all spotted & above) & *Pseudis* *leucis*,  
 an abundance of *Gemma*, all the rocks were dotted  
 all over with the white, eroded, shells of *Conifer*  
*fluvicola*. According to 1<sup>st</sup> Oct. Map. the town  
 is above 2250 ft. contour, which of course places  
 it at about height of the highest town in the mountains  
 in Coonabrook. After half an hour investigation  
 of town we climbed up slope to N & onto ridge  
 leading west between Coonabrook & about 1/2 mi. S  
 S along crest to where the pilgrim's path drops  
 down into Coonabrook & so down <sup>at 2200 ft.</sup> on 2<sup>nd</sup> day.  
 On way up slope from L. Luff collected *Carex pilosissima*,  
*C. tumidicaulis*, *C. pilulifera* & *C. ciliolata*, also saw



1.6.46 cont

*C. hirsuta* here, & on ridge above at about 2700 ft. an abundance of *C. rigida* & collected a few but just coming into flower. The vegetation along the creek towards Brandon is chiefly *Rheumatism* *lanceolatum* with very deep *Vaccinium myrtillus* mixed with it & in places plenty of *Empetrum rotundifolium* & here & there a clump of *Sax. aizoides* (in flower) & looking strongly out of place & nearly choked by the *Rheumatism*.

On way down from the col to Boonshoek the cliffs are very bare except for *Sedum rosea* & *Sax. umbrosa*, but we saw one fine old Holly Fern near top & the same small specimen seen on 3rd May, at base, & also *Cyrtopogon fragilis* (very sparingly). No mossy saxifrage was seen till the flowering clump of *Sax. affinis* was met (prop. to on p. 5 notes!), but on a wet "drift" between this & the highest NW tower a very large *S. hirsuta* form was seen in plenty (= K.B. 14). Some tiny plants of *Cardamine hirsuta* were growing on the surface of the rocks in this trap, from 1" to 3" high.

1.6.46 cont.

Saw very few insects during the day & did not attempt to sweep, but saw or took the following (by hand!) -  
Butterflies Green veined White, Small Heath & Common Blue etc; all taken together & taken.  
Bees *Andrena subulata* & by river near Glogham.  
*Bombus lucorum* ♀♀ (several)  
*B. pratorum* ♀♀ on *Cardamine* flowers, alt. ca. 1000  
Omnifera Valley.

ants *Formica fusca* ♀ seen above Lake.  
Beetle *Carabus glabratus* taken at 1000 ft just after crossing ridge into Omnifera Valley from Lake.

Purple stick-butterfly 1 only one seen & this in Omnifera Valley.

Diptera *Hypodamia bonis* 1 ♀ captured by hand after it had crawled round on ascending bridge above Lake & settled on stone & was fresh.

Scaph. *Zolnerus senilis* at lowest place by the Omnifera, alt. ca. 1500 ft. only one seen.

"Snails" *Limnaea stagnalis* on high ground after mist came down & *Planorbis* *lanceolatus* & *lanceolatus* in L. Duff, where small *Staph. laticollis* taken.



2nd June 1946. A stormy day, but mainly fine along coast & mid rain in mountains. Did not go out till after lunch, but then walked round east side of bog, round N. end of Brown to Fenwick (or not, or) & home by road, along N. side of the little hill - Brown - the vegetation goes right down to high water - marsh, just as it does at Fenwick, Co. Wick. Above there there is a dense scrub - quite impenetrable at most points - mainly composed of hazel. Some lovely patches of *Myrica* *frondiflora* occur along the coast. Collected a lot of mosses & hepatics for Miss Thomas & Bernard Macle (from two places mainly) - (1) on boulder clay scarp where there had been a cliff a long time ago, & (2) on sandy bluff above wind blow road had crossed the old coast line, & (3) a very few on dunes recently formed at south side of cat meadow to Fenwick inlet.

Simple done for half an hour, about 4.30 till 5.30 PM. I took the following insects labelled 13.10.1947

- Myrica scaberrima* - 2, alone, running on dunes.
- Exochus picipes* - ♂, small patch on bog.
- Phygadeuon* - ♂
- Hemiteles* - ♂

2.6.46, aft. cont. near Fenwick  
 Sand-dune, N. of Brown, Blythen, SK, cont.

- Theridion* ? ♂ = *Lophocarenum* ? ♂
- Camptoplyid* 2000, 274: 107, 14 mtd., cat 2000, some species = *Cyrtus* of *Calceolaria* ? ♂ & ♀
- Apanteles* - ♂
- Dacnusa* - ♂ & ♀ small *Dacnusa* ♂ & ♀
- Phaenocarpa* - ♂ & ♀ small ♂, cat. 2000
- Lophocarenum* ♂ & ♀, very small, cat. 2000, 2000.
- Dacnusa pectoris*, small ♂, cat. 2000.
- Coelinius viduus* ? ♂, cat. 2000; *Coelinius* - ♂ & ♀

*Proctos* (*Phaenocarpa*) 2.



3<sup>rd</sup> June 1946. A fine day, wind all evening till 2 P.M.,  
 with strong NW wind, the clouds, the wind fell.  
 W & the E & morning, with the sun falling in evening.  
 Got up in evening at 10 P.M. to Stradally & walked  
 down to western end of L. Gill & round it. It shows for  
 1/2 mile, swept its NW corner & down between it & sea  
 till 1 P.M. when had lunch (at). After lunch swept  
 in down & made marks down at intervals to  
 Farnogla house (= 2), then collected some *Hydrobia*  
 specimens for T. Stewart of Edinburgh.

Evening day saw many plants for first time  
 since coming to Blyth, but did not really look  
 for plants & many recorded by Hart (1885) not seen.

Sedges very numerous & saw the following:

- Carex goodenowii*, *C. Otterlei* (= *vulgaris* var.), *C. panicea* (at)
- C. tenuis*, *C. hirta*, *C. retrofracta*, *C. glauca*, *C. panicea*,
- C. acutiformis* & *C. acutiformis*. The last *acutiformis* seen.

A large patch of *C. hirta* on east of Farnogla Ho. & not  
 recorded for the county in Sullivan's Flora of Kerry.

During the day saw five species of *Bombus* (see  
*B. lucorum* (1 specimen), *B. lapidarius* (near Farnogla),  
*B. hortorum* (1 between below Stradally), *B. agrorum*  
 (1 near below Farnogla Ho.), + *B. lucorum* (1 frequent  
 near Stradally): all were ♀♀.

3.6.46, cont. L. Gill & down, at Stradally, 3 1/2 miles  
 Saw no *Aculeata*, except thousands of *Lucina* eggs  
 & a few *Pygostolus* eggs in the down, though  
 the ground & the day seemed ideal for them.  
 Swept 1 1/2 *Halictus alpestris* in marsh near Farnogla  
 & saw one of *Vespa rufa* near Farnogla on way home  
 along road.

Serpents frequent in marsh, but only *Salvadora* seen.  
*Dolichopus* & *Atopsyga* seen, & a few *Chironomus* (19)

The following insects swept at 1 & 2:  
 Insects taken at 1. [Swept from 1 & there labelled 14.2.49.]

- Centistes* ♂, not at 1.
- Empididae* 7 1/2, all, etc. = *Empididae* of the group *Empididae*, 2 seen by me  
 of the same group as seen by J. P. O'Sullivan.
- Bombus* ♂, not at 1.
- Ammodendron* ♂, not at 1.
- Empididae* 2 = *Empididae* ♀, not at 1.
- Bracon nigritarsis* ♂, not at 1.
- Apanteles* ♂, not at 1.
- Perilissus* ♂, not at 1. [4 ♂♂, 1 ♀, not at 1, not at 2.]
- Meloboris* of *profligator* ♀, not swept by me, but seen near  
 O'Connell's house, not at 1.



3.6.46, cont. Stoodbury, Co. SK, cont.

- Apiloleptus* ...
- Dacnusa* ... small, black, etc.
- D. laevifrons* 1♂, 1♀
- D. (Gyrocampa) affinis* large ♀, etc.

Some of the above are  
 from the 1946 collection  
 at Stoodbury, Co. SK.  
 The 1946 collection was  
 made by the author  
 on 12.12.46.

*Chalcids* 2  
*Diapriids* 2

Insects taken at 2. [Note from 2 & these labelled 10.2.1949!]  
*Cryptinids* 7

*Meloboris* ...  
*Bracon* ...

*Bracon anthracinus* ♀, etc.  
*Bracon* ...  
*Apanteles* ...

3.6.46, cont. Stoodbury, SK, cont.

- Perilissus* ...
- Macromentus* ...
- Opius* ...
- Dacnusa* ...
- D. laevifrons* ...
- Aphidius* ...
- Proctos* ...
- Cynipids* ...
- Chalcids* ...

4th June 1946. After a terrible night of wind & rain, & the  
 all day, with rain this in the night, intense heat  
 at times & then chilly again, but afternoon almost  
 dry.

Spent evening writing & putting insects.  
 In afternoon walked to Baker Point, about 3 miles N.  
 of Clapham, & home by road through Ballinacorney  
 & saw some new plants including *Anthyllus*, *Pole*  
 (one plant), *Apenula* ...  
*gambardiana* & hybrid with *G. affinis*, *Rubus*  
*caesus* on bank, *Castanea* & *Asplenium* *Pteris* ...



4.6.46 cont. Ballyvaughan, Co. Wick.  
growing in a dry stone wall on roadside  
S of Ballyvaughan - with the plant seen  
the same before.

On bank S of Ballyvaughan found a large colony  
of *Myrica spicata* under loose stones - sitting  
in patches on rocks. Took the following description:-  
Larva: 1st inst. ♀, ant. 22, 23, 24 =  
21 bristles = *Exochus* sp. ♀.

5th June 1946. Gale & fearful rain all night  
& gale continued till 8 AM. Then a fearful  
squall & storm, the change of wind to W. &  
superstitious calm. Did not go out till after  
lunch, except to get a few small birds to send  
Dorinda Keble.

At 2.45 started for the lake, but when within  
half a mile of the lake a prolonged & heavy shower  
held us up & we sat everything, as that a wind  
up the outlet stream to Lough Camlagh, which  
lake was very flooded - not really, but we walked  
along the western end & collected some water weeds,  
including a *Potamogeton*, a *Myriophyllum* & *Ranunculus*  
I had both the very common *Callitriche*, *Sparganium*

5.6.46, cont.  
with my long leaves, & a little plant <sup>found to</sup> *Myrica*  
to *Subularia*, with one flower stem <sup>in</sup> all  
rest on shore by stream, together with *Ranunculus*  
stem of *Equisetum telmateia* [the last from bog at  
E. end of lake which is filled with this *telmateia*.]

On way back to road having spotted a fine  
specimen of the Kerry Shag (*Grus grus*)  
which I had just passed over & on next tide  
carried rock in bog I spotted another, then extending  
the known range of this shag from Beregh Lake with  
the Oyle promontory. Though searched for in  
Sept 1910, June 1912 & Sept. 1914 I never could  
find it on the promontory before [I never saw it  
at this spot during the present trip.]

On road from Ballyvaughan found a ♀ *Bookia*  
*dehennelliana* on the road & put it into  
the alcohol & dried.  
*Bookia dehennelliana* taken near L. Camlagh.



6th June 1953. A fine day after a calm & clear night  
 following 7 P.M. squalls & rain on 5th, but cold wet  
 mist (westerly - NW - wind) on higher ground for  
 greater part of day & some faint drizzle this  
 left hotel at 10.30 & walked to Fole & then on to  
 ridge to N, up ridge & on on slope W of Fole till we  
 picked up the track leading to Bounaburk & Brandon  
 summit - now little used by ptarmigan & almost obliterated  
 in places & have referred to by us as the Great Track.  
 Reached ridge <sup>N of Fole</sup> at 11.30 & after various smaller descents  
 cliff on N side of Bounaburk (above the Great Track)  
 reached upper (NW) face at 1.30 & had lunch. After lunch  
 collected *Pterodroma* in tern / *Pterodroma* & *Pterodroma*; also *W. m.*  
~~W. m.~~ *caerulescens* in small shelter amongst the trees at  
 E. end. Then back around with dip at eastern end, then  
 further down *Ameglinia* *flavida* (very abundant also);  
 then climbed up  $\frac{3}{2}$  path on the rock & went up to summit  
 of Brandon, looking along tops of cliffs & on rocks  
 on slope for plants. After some time a cold mist on  
 summit - following a clear view of the sea & hills  
 beyond over the Atlantic from Casheen Point  
 to S. Head. Summits returned to Bounaburk  
 & spent in hour looking for plants from part of  $\frac{3}{2}$  path

4 photos  
 taken June 1953  
 by M.P. H. Holland  
 on island in NW  
 Bounaburk  
 AWS  
 Aug 1953

round cliffs W & S of highest (SW) face, at from 2300 to  
 2000 ft. Had tea in complete shelter above tern at  
 4.30 P.M. left tern about 6 P.M. & walked back  
 by same route as in morning at 8.30 P.M. - a long  
 & tiring day. [? 7.30!!]

Collected *Morus Scaevola* KB-15 & KB-34  
 on cliff facing south on north side of Bounaburk, one  
<sup>capitulum</sup> *Scaevola* like form found by Beirne on a boulder on slope  
 to summit at about 3,000 ft., no *Scaevola* now seen on  
 the big rock by the Holy Well or Summit, but *Poa alpina*  
 in flower & 2 inches in height, still there in some places, &  
 at foot of rock in one clump of a rather straggly, low,  
 form of ? *S. hirta* which I did not find; after returning  
 to Bounaburk & collecting one more north of the *S. affinis*  
 (KB-10) discovered on 30.5.53, for S. D. A. Webb, saw very  
 many *Morus* on cliff W & S of uppermost tern at  
 about 2,400 ft. & observed that these could be roughly  
 divided into a very green almost glabrous form & a  
 slightly silvery one, being found in one trackless form &  
 both growing intermixed (KB-28 & KB-29), so that as far as  
 I could see environment would not have been responsible for the  
 difference, as plants also occurred on opposite bank, lifted from the



6.6.46

my so called "barns" at base. Collected a bag of moss  
 & *Lupinus* on face of rock looking east 100 yards SE  
 of summit & at about 3,000 ft. alt. for *Pinus* *Thomson*  
 & *Demod. hirtella* - only one of about last fruit, but green  
 glabrous capsule, & appear like the same species I collected a  
 few days before at high water level on Brown sea Blodden  
 along cliffs from base of  $\frac{2}{3}$  path and apparently from  
 same sea, sea plants, e.g. *Holly Fern*, *Saxum* (*capitata*  
 spotted by *Leaving*?), *Cygnis*, *Sea Pinks*, *Coeloceras affinis*  
 & *S*, but the most extraordinary, find was a colony of  
*Ranunculus auricomus* - one flower spike in bud & about  
 six seedlings scattered about the wet slope below it.  
 Dr. Sealy's Flora of Kerry *R. auricomus* is only recorded  
 from River Island, Killarney, & is a very recent  
 discovery; that it should occur in Connemara at  
 2400-2500 ft. would be extraordinary, even if it were a common  
 plant in the county, but under the circumstances possible,  
 it is amazing. The occurrence of *Sea Pinks* amongst *Sea*  
*Stellaria* in the spray of waterfalls, etc. is also a new  
 feature, some of water level & on the slopes to the summit  
 it fights it out with *Rhacomitrium lanuginosum*.

Did not collect any insects except a couple of beetles.  
 2 beetles & a mill taken at over 2,000 ft. = *Coeloceras* *capitata* &

W.S. & Westcotts  
 Connemara  
 Donegal

7th June 1946 a fine day with much sun &  
 no rain after early morning. It rained, 4" in previous &  
 did not go out till after lunch, then collected some plants  
 on *Brown* <sup>near Brown</sup> *sea Blodden* & south of N. end of same.

Simple as *Stellaria* for a time & took the following insects  
 there in *Larva* *flavus* [from *Stellaria* & *Stellaria* collected  
 17.2.1946]

- Pompilus* cf. *pubescens*? ♀ seen
- Campoplex* *maculatus* ♂ & ♀ seen
- Chalcid* *minutus* ♂
- Dacnusa* *pubescens* ♀, shiny spot on head: not mtd.
- Vol. 1 30 *Ich.* *Centistes*? : not mtd.

Vol. 5 12 including *Pompilus* *pubescens*? ♂ & ♀, *Chalcid* ♂  
 not mtd.

- Campoplex* ♂ off. ♂ not mtd.
- Apanteles* cf. *minutus* ♂
- Acrogaster* cf. *minutus* ♂ not mtd.
- Meteorus* *pygmaea* ♀, not mtd.
- Pentapleura* *albipes*? : not mtd.



7.6.46, cont. Sandhills at N. end of <sup>near Farmville,</sup> ~~Broom~~ <sup>Cherokee</sup>, SK, cont.  
*Dacrydium leucopetalum*? 2000 ft. 2000 ft.  
*Caulophanes viduus* ♂ 2000 ft.  
 Aphidid sp. 2 ♀♀ = *A. curvum*? (1st inst. 1st inst., 2nd inst. 2nd inst.)  
 Proctos 4, including *Proctotrupes grandis* ♀ & *Mesochorus* sp.

Chalcids 2 2000 ft. Sun better for 2 AM.

Saw in garden behind hotel at 11 AM. *Veronica* & *Verbena* ♀♀.  
*Crotalaria maculata*, *Banksia* *lucida* & *Tenthredo* *lucida* ♂  
 Also took *Meteorus* *leucostoma* ♀ on window in hotel (cont. 2nd inst. 2nd inst.)

8th June 1946. After a fine night & morning, an hour's heavy rain between 11 AM & 12 noon, then a very fine afternoon & not a breath of wind.

Walked up valley & then cut across moor onto the big moorland bound. N. shore of Long Breath at foot of Courthouse, round head of the lake & across outlet of L. Malackian at 1150 ft. & up slope south of same into small hanging valley between *Fraxinus* & *Beaked*, round spring *Beaked* & into next hanging valley to west & down into main coast at west end of the *Beaked* via path N of L. Malackian, down moor & home by same route as outward journey in morning.

8.6.46, cont. Courthouse, Brandon Mt., SK, cont.  
 After morning moor in morning before rain saw a nice patch of *Carex* *lucida*, with *C. lucida* & a few other little (1) with both ♂ & ♀ fruits on same spike, in the plant discovered by me in typical bog, S. of Courthouse, Co. NM., in June 1942. Brought some specimens today & several of those of the latter sedge. Also saw plenty of *Juniperus* *horizontalis* on this moor - really a *Saxifraga* moor, but with a great deal of *Saxifraga* *agris*. Many nice plants seen at base of other cliffs in the two hanging valleys: *Aspidistra* *lucida*: quite a few plants seen here & there; *Beaked Fern*: one nice little specimen & one just west of *Beaked*, fruits only, 2000 ft. high; *Asplenium* *Pluteus*: a group of 2 tiny plants in which one base of cliff west of *Beaked* - a most strange find on Old Old *Beaked*; *Alchemilla* *alpina*: in several places; *Leucocoryne* *alpina* in fine or in places; *Oxyria* *agris*: frequent & approached the 2000 ft. contour; mossy *Saxifraga*: frequent, but not everywhere, chiefly on the moor below gullies & few on cliffs; ferns for the big, long-leaved *Banksia*, through small *Quercus* like *prunus*, *hirsuta*, *prunus*, & *Asplenium* like plants with stalks flowering; also several *gossypium*, *gossypium* *prunus*, about 20 little brought to press. See Smith very nice & very few plants seen on way home saw above L. Malackian



8.6.46 cont. Councinash, Breancon Mt., S.W., cont.  
Saw more *Pinguicula vulgaris* than any day previous  
during the trip & also, of course, much *Pinguicula*  
though the road is not the best.

In a small pool in western basin, valley (W of  
Breancon) much *Pinguicula polygonifolia* (D. Allen  
flora). Searched much likely ground for Bar 4  
keys station for *Tubifera alpina* but without  
success. Searches granular (brown form), not tubifera  
at all in sample

In evening went with Major R.P. Rutledge (he had arrived  
on 7th) to show him where *Gravelloia* *Veronica* was taken, etc.  
in more N.W. of Clapham.

9th June 1946. After a wet night, dry thick rain  
fell all forenoon; fine in afternoon, but again  
rain from 7.30 PM onwards.

In afternoon walked nearly to house base & back  
but beyond *Sedum* along watercourse saw nothing  
of interest. Did not collect anything.

10th June 1946. A fine, clear day with some  
showers & strong NW wind & rain  
glow. Got left in car to end of road on  
cliff N. of Breancon village & walked along  
cliff to Sance Brook & back via the near  
turf road to Teer, where picked up & brought  
back to Clapham by car. Left Clapham at  
11 AM & back at 6.20 PM. Rutledge went  
with us in morning & as we got out of car  
we were met by a Porcupine Fulmer & his  
Pawson, who drove over the sea wall & to  
Fulmer & Granter. Rutledge later in day  
saw about 20 or 30 cliffs just inside Breancon  
Bay but none had eggs or appeared to  
be going to nest. Cliffs round Sance Brook  
very dangerous & full of crevices, some  
chamber of cliff are slipping into sea.  
No trace of "alpine" on these cliffs beyond  
*Sax. umbrosa* & *Solidago* & the only plants  
seen of interest were *Luzula cordata* amongst  
heather & *Menziesia triflora* in small bog  
just above Sance Brook, at ca. 1100 ft.

In swampy place just S. of Teer Bridge



10.6.46 cont. Same Creek & Tiers, G. SW, cont.  
 Pappus portulaca & Potentilla palustris seen with  
 many common plants. Some of the Cerastium  
 seen along cliffs reached to low by leaf flowers.  
 In some places above cliff there was a common  
 plant association: - *Sedum* (dominant), with  
*Sedum anglicum*, *Potentilla* (Sedum not caught),  
*Cerastium* (sp. terminalis), *Ranunc. acris*, *Gallium*  
*saxatile*, & a small grass (*Vicia pinnata*).  
 The association of *Sedum* & *Potentilla* seemed  
 very strange, but explained by the conditions of  
 this association at the spot. One of the  
 most characteristic plants of the cliff edge  
 was *Luzula sylvatica*. Three species of ants  
 were seen at about 1000 ft. See Same Creek  
 nearby. *Formica fusca*, *Lasius flavus*, &  
*Myrmica scabrinodis* - no doubt *M. ruginodis*  
 also present as many red ants seen but  
 only one examined. One *Trypoxylon* seen,  
 several *Crematogaster* taken & a couple of  
*Leptotyphlops* (small sp.) seen. No hymenoptera  
 other than the ants were seen during the day.  
 (See also *Formica* & *Lasius* from 2 cont. bank specimens)

11th June 1946. A mild, cold, day, with frequent  
 heavy showers of rain, sleet & hail, after heavy  
 snow in early morning. Every place under water  
 & the hills, gullies & rock cliffs.  
 Got left <sup>(at 10.30 AM)</sup> in *scryptus* Major (Kettleby to bridge)  
 to Lower Bar & walked to *Comanore* lake,  
 investigated on very peat deposit on ridge S. of  
 L. Down & W. of *Comanore*, for <sup>Temp. of *Comanore*</sup>  
 There large numbers of pointed pins which have been  
 found lying on surface between the peat layers; but  
 not see any lying about but being seen further end  
 of one sticking out of a 3ft peat bog & about 8"  
 from base, which on being excavated proved to  
 have been, saw one of, cut at end, and found  
 about 13 inches inside the peat bog. Took sample  
 of peat for G. F. Mitchell in order to determine  
 if possible the age of these pointed sticks, locally  
 known as "worms", which they certainly are not.  
 Had lunch in lee of peat bog at 1.30 PM & then  
 walked down to upper part of the *Comanore*  
 Lake & examined some small cliffs above it, but  
 saw still more *Sedum roseum* & *Protea* the only plants  
 seen of interest there. Saw a few *Bombus agrorum*



11.6.46, cont. Bonnamy & L. Brandon, 5th, cont.  
 on hillside W. of lake. Peat walked across by the  
 the little bank Bonnamy & down slope to rough  
 Brandon & had tea amongst rocks on its W.  
 side: very windy here - full gale up lake! -  
 & rain & full lake made investigation difficult &  
 unpleasant, but that we saw quite a lot of <sup>at least</sup> <sup>for this</sup>  
*Eubolus apertus*, the *Cladia* <sup>it subsequently flowers!</sup> <sup>included</sup>  
 was <sup>in</sup> *Callitriche* - the plant in it: the  
*Sphagnum* I thought very <sup>to grow</sup> <sup>the other ones</sup>  
 to the lake is almost filled by a bed of *Equisetum*  
*terrestris* & in the <sup>is</sup> started a *Trichomanes*  
 which from her entire <sup>entirely</sup> bed & had <sup>hidden</sup>  
 some of the *Equisetum*. *Menziesia*, *Polygonum*  
*littorale*, the <sup>very</sup> <sup>small</sup> <sup>fronds</sup> & <sup>juvenile</sup> <sup>fronds</sup>  
 also present in the lake; on way back to road  
 W. of L. Brandon again took *Geopeltis maculosa*,  
 - this time a large specimen - <sup>erect</sup> <sup>and</sup> <sup>rich</sup>,  
 - about the same spot this taken on 5th June (p. 21)  
 & so here at 7.10 PM. <sup>is better =</sup>

On the east between Bonnamy Park & Bonnamy the  
 low ground between the peat logs is rapidly being colonized  
 by plants, including *Saxifraga* (*curvifolia*)

12th June 1946. A very fine day - the best since  
 we came to Kew - with NW breeze - all  
 sunny.

Too tired & too hot, it is too late to go out for the  
 day. Spent morning with letters & getting things  
 packed up for various persons, but went out  
 at 11.30 to get some *Orchis masculina* for Venetia  
 of Amsterdam & after getting few small things  
 in fields on left bank of the river. Got some down  
 from Fide & here took: <sup>= (1) 12.6.46.</sup>  
<sup>(2) 12.6.46.</sup>  
<sup>(3) 12.6.46.</sup>

*Saxifraga* *littoralis* sp. <sup>not at all</sup>  
*Epilobium* sp. <sup>not at all</sup>

*Epilobium* <sup>not at all</sup>  
*Pinguicula vulgaris* sp. <sup>not at all</sup>  
*Epilobium* <sup>not at all</sup>  
*Pinguicula vulgaris* sp. <sup>not at all</sup>  
*Epilobium* <sup>not at all</sup>  
*Pinguicula vulgaris* sp. <sup>not at all</sup>  
*Epilobium* <sup>not at all</sup>  
*Pinguicula vulgaris* sp. <sup>not at all</sup>



12-8-46, cont. Clapham, 3K, cont.

*Dasypoda* <sup>not all</sup> *marginata* <sub>1. *Dasypoda* *marginata* ♀</sub>  
*Psocoptera* <sup>(1 ind. = *Dasypoda* *marginata* ♀, see next)</sup> *Psocoptera* 4 <sup>1. *Psocoptera* *marginata* ♀</sup>  
*Psocoptera* *marginata* *Psocoptera* *marginata*

In afternoon part along shore N. of village for 1 mile  
but beyond collecting a few beetles, did not collect.  
Saw the following insects here (= 12.8.46 (2)). <sup>1. *Psocoptera* *marginata* ♀</sup>  
*Staphylinidae*, *Agathidium* & *Staphylinidae* (1) ♀  
the last of them of *Staphylinidae*.

*Helictes* *subtruncatus* & many burrows of a small  
species - probably *nitiduloides* at north place.  
*Vespa vulgaris* ♀.  
*Odontaspis* *truncatus* (of my kind kind) & 1 collected  
♀ pattern clay on shore.  
*Pachyrhynchus* *abundans*? ♀ taken in water on  
stream bank.  
*Brevelin* 1 small ♀ seen with me - cont.

Collected 20 =  
14 Beetles

13th June 1946. A fine morning, turning misty  
about noon, the dull, the breeze about 2 P.M. &  
rain later. Went up Bournemouth, with  
Mr & Mrs Smith (of Gilling), parked for the  
at top of Z path above highest tower, & set out  
N. then S. to summit of Brandon. On last level  
rather above summit of Bournemouth & the walked on  
to S. more, where on N. side a little below summit  
found Hart's station for *Polygonum viviparum*!  
Here the plant still abundant, growing amongst  
vegetation of grass, sedge & fern, with small shrubs,  
on flat ledge below the cliff, & took 5 very little  
of *Polygonum viviparum* - see next so that had  
for Hart's record - important not less looked at it  
later. By the time rain was on, we cut  
down to Ormskirk valley & was ridge to  
Fulham & home at 6.30 P.M.

Ami-keke

See p. 40 for record of *Polygonum viviparum*!



14th June 1946. A day of drizzle, thick  
 rain in afternoon & evening. Brandon  
 mountain in mist all day. Wind with  
 occasional rain from SW at intervals. All day  
 did not go out, but garden, till afternoon  
 then walked half way to Fovargue & back  
 & collected some grass & weeds. Had  
 Mr & Mrs Smith & his boy (of South) for  
 tea - the big north-side garden where  
 are stone at Fovargue. Had in  
 Lavender & saw it in quite good.

In previous spent on lawn in garden &  
 saw several ♂♂ & ♀♀ *Mezobius*. The  
 latter chiefly at flower of *Eschschol*. Also saw in  
 garden the species *Tenthredo maculata* & *Gnath*  
 & a species of *Athalia*. [All etc. specimens & then labelled 19.2.1946]

- Chalcid* *diadema*, 2♂♂, 1♀. *Mezobius* with *Chalcid* & *Ichneumon* 17-20
- Halictus* *uliginosus* ♀. *Tenthredo* *maculata* (♂) 14. *T. lineata* ♀.
- Verpa* *rupica* ♀.
- Stenichneumon* sp. of ? new *castaneus*, but must matter &  
 some little to *maculata* *Knoch*, but post-pubescent not same. ♀, ant. 34.
- ♂
- Mezobius* ♂, ant. 33.

15th June 1946. Another day of rain in the valley, but  
 the rain & fog in the lowlands below 2000 ft.  
 left left - car to <sup>near</sup> *Baker*, above (S. of)  
 Camp & walked up old road from *Finglen*  
 River & up the ridge where the "baker" is on to  
*Baker* corner, in thick wet driving mist after 1500 ft.  
 on reach summit cairn 2713 ft. started eastwards  
 along the ridge between this & *Brandon* & then  
 down to *Derry* corner taken. Had lunch about  
 2 PM, overlooking the lake & then explored the  
 country, as far as mist would allow, & found a  
 few *Thymus* *Scutellaria* along the stream coming  
 down the slope, but failed to locate the cliff  
 where D.A. Watt got the "massive" *lucida* during  
 last March. On way up to *Baker* corner  
 saw sheets of *Salix herbacea* on the scarp  
 from W, SW, & NW, below the "baker", while  
 on the flat above this we saw plenty of *Empetrum*  
*nigrum* for the first time during our visit,  
 though *Scully* says it is abundant on all  
 the *Hebridean* mountains over 1500 ft. we have  
 not seen it about *Brandon*. Had off to  
 on reach top of *Brandon* & then took a ♀ on the identified  
 by R. S. & *Brandon*, labelled 12.1945 as *Empetrum* *Brandon*  
 (presumably a ♂, *maculata* ?) [R.S.]



16th June 1946. A fairly fine day after a bit of rain, with some drizzle in morning & slight showers in afternoon. Only went for a short walk before dawn & in afternoon walked along Fenway road & on to sands at head of Broom - the hill on E. side of Clophane station - where swept for insects for about an hour, but as usual saw very few, but, bees, & no aculeate seen on sand. The following insects swept here, either on sand or along edge of field that sand is in old barrow also field in

Antennae off 2000

[Found 2 other specimens 19.2.1949 AWS]

- Tenthredo nemoralis* ♀
- Lophoceros* ♂
- Eupria* ♀
- Pachyprotasis* 2 sp. 1 mtd.
- Platylabus* 2 sp. *despina*? ♂, ant. 42, same as Plat. ♂
- Chrysothrix* 6 none mtd.

- Polyblastus* sp. 2 not mtd.
- Promethes* or *Homocidus* ♀ = *agnatus*, ant. 23.
- Trichostus globulipes* ant. 24
- Exochus tibialis* ♀ ant. 26

Near Fenway,

16.6.46 cont. Broom, Clophane, Co. DU, cont.  
 Gen. et sp. ? numbers? ♂, ant. 32, pupae mtd. 1 mtd.  
 with pupa ♂ =  
 Co. Lepidoptera 4 mtd.

- Aspilota* ♂, 22, *maculipes* ♂, 21
- Tetraneura* cf. *pullidula* ♀, ant. 25.
- Pentapleura* ♂, ant. 25
- Exochus* *tricolor* ♂, ant. 25
- Aspilota* *capitata* ♂, ant. 25
- Pentapleura* *pumilio* ♂, ant. 25
- Aspilota* cf. *maculipes* ♀, ant. 18.
- A. rumanicornis* sp. n. ♀ Type! AWS 6.3.1949.
- Dacnusa fulvicornis* ♀.
- D. laciniator*? ♂, ant. 25
- D. areolaris*? ♀, ant. 25
- D. maculipes* ♂.
- Aphididae sp. 3 none mtd.

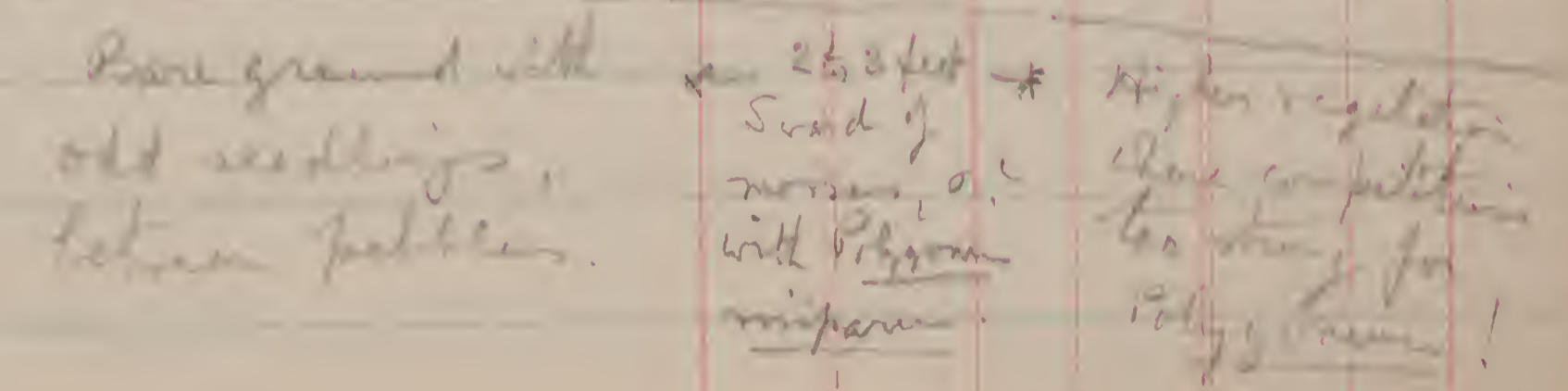
{black, with dimple, ant. 18, black, small form, short, trachea short, ant. 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 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}

- Proctos.
- Chalcids.



17th June 1945. A wild day with showers & thick mist out of fog on summit & mountains above 1700ft. Walked from hotel (10-20 km) to Falls & over ridge to N. side to waterfall valley & the road straight down into Salmon & Deerfoot area for Piceance, but up at some time a bad bank abrupt scarp facing E. led to side of that little mountain (Piceance) in result Piceance turned N. in that fog - was within a mile of the river by a gate from NW. across the ridge - , next located a rocky scarp & then the nearby "Monument" of Old Man & referred to by Hart (1884) apparently as the ruins of an old signal tower, & commenced to search round the base for Hart's *Polygonum viviparum* on the gravel flats between belts of vegetation. *P. viviparum* eventually discovered by Daisy in centre of square of rough walling which now forms "The Monument" - very like *Cuscuta* in its form but these simple at base & not sagittate, also decidedly more elongate in a row, but near enough to examine on microscope a few little forms of several feet under the conditions of - which on 13-6-46; eventually found one specimen with flowers spike showing & as we had much to do pushed to N.W. in mist, towards W. shoulder of Moxtonian &

on steep cliff edge to Knechtbrenner to locate place where R. J. Wabell & I found young *Saxifraga* in Sept. 1910: eventually under the highest & most dangerous piece of cliff located there in plenty & in good flower: these were found located & specimens taken: (1) a large hairy form very near the *Clare Island* *var. acer* (2) a smaller green form & (3) an *affinis* like form with stalked flowers with numerous petals & denser rosettes. Here (Knechtbrenner cliffs) saw much *Oxyria digyna*, *Silene micrantha*, *Sax. Gem.* & *urtica*, *Filago*, *Geranium*, *Solidago*, & the usual common plants of the cliffs in this district. After afternoon tea, returned to The Monument & after considerable search found a lot more *Polygonum viviparum* on the edge of bare ground close by the Monument & to NW of same. Here it grew plentifully in a "moor" patch of mosses, including *Cladonia*, *Leucopodium*; the following is a rough section of the habitat.





Returned via semi-filled-in train NE of L. Cliff & then down the Owenaspine & over the ridge to Lake & back to hotel at 5.30 P.M. On way down the Owenaspine *Sibthorpia europea* in several new spots. After leaving Piersmore ridge at 2.30 P.M. we went down the slope to Knechtbrenner & into brilliant sun & warmth, returning through the cold mist on return journey.

18<sup>th</sup> June 1946. Another wild day with gale from SW. & W., cold, with wet mist on mountains over 2,000ft & frequent showers, including hail. Got off in car (Mr McQuarrie's & his friend Stoppard) to Glogharae, S. of Glogharae, & walked up covering east of S. Annan, to ridge & then up along edge of cliffs to Brandon Peak. Had lunch just below ridge & afternoon tea on top of Bannachrock half way between Brandon Peak & Brandon Mt. From Brandon Peak we found first dove &

the top of the summit of Brandon Mt. Found first dove *Sturnia vulgaris* at afternoon tea place, between two upright rocks, 40 feet below actual top of cliffs, overlooking town next above L. Neilsen, & the second a beautiful little <sup>esp. *lucida*</sup> *Sturnia* found on dry rock on S. slope about 100 feet below the summit of Brandon, with two other plants on next level below or same rock. Left top of ridge at 5.10 P.M. & came down Bannachrock to hotel at 7.30 P.M.

Saw a few interesting plants here & there on cliffs but these unworkable owing to wind & slippery rocks & wet slopes.

Took one beetle at ca 2,500ft. on Brandon Mt. =



19th June 1946. A fine day, with some showers & drizzle, strong S.W. wind, cool. Spent day packing & writing letters & notes. Found *Agrotis pecta* Hubner, ♂ (4th M.S.D. Westropp!) & 2 birds (possibly).

20th June 1946. Left Blythen at 7.45 in hotel car & caught 9.15 train for Trillick, arrived Keshbeg, Dublin, at 6.20 & home 20 minutes later. A day of leaving the car & garden quite wet on arrival home. Took on Steph. bath & tea.

END OF KERRY TRIP.

21st June 1946. Much warmer & fine all day, with much very hot sun - the first really summer day of the month. Spent day planting *Saxifraga*, & fed & milked.

22nd June 1946. An intense, hot, sultry day with fierce sun during most of the time. Back in museum! Left here at 5 PM. Frank Hinder called in evening.

23rd June 1946. Another very hot day, with some sun & falling glass, wind rising in afternoon & strong S.W. in evening. Shower & rain. Showers, very local, in late afternoon, but no hot sun.

At 2 P.M. left in car & drove to Lendinstone (where collected for about three hours), or Frank Linnel, N. of Sallins, Co. Kildare. Collected in two places: -

1 = Plantation, with some drain <sup>W.</sup> edge of bog & out field S of road, 1/4 E. of bank at Lendinstone Ho.

2 = Edge of canal for 1/2 mile W. of station 1 & toward back. Linnel, reeds, *Phragmites*, sedge, grass, silt & clay edge of canal.

Insects taken at 1. [16 mounted from 1 & these labelled 23.6.1946!]

*Cratichneumon* sp.

*Centistes* sp.

*Tenthredo atris* ♀ *T. nigriventris* ♀

*Empis* ♀

*Selandria* ♂



23.6.46, cont. Landerstown, KD, cont.

Taken at 1, cont.

*Phaenocarpa*? 2000? not mtd.

*Cryptinae* 7: none mtd.

*Schizopyga cinctator* ♀, ant. 26.

*Phyllobotris venipes*? 2000? not mtd.

See also  
Linn. 1193-1940!

*Chalcid* ♂, ant. 26 =

*Promethes sulcator* ♂ & ♀; *P. cognatus* ♂, ant. 24

*P. pilosellus* 3 ♀, not mtd.

*Homocidus obscurus* ♂ = not mtd.

*Tryphon signatus*? ♀; not mtd.

*Mesochorus* ♂ = *Perilissus* *subulatus* ♂, ant. 22

*Campoplegid*: ♀, not mtd.

*Mesochorus* ♂, not mtd.

*Theridion* ♀ not mtd.

*Adelognathus dentatus* ♀, ant. 14.

*Bracon variator* mtd ♀ = *sculptus* *divisus*, ant. 35

*B.* *triplicatus* ♀; ant. 25 + (broken), but <sup>head resembles *truncatus*?</sup> <sub>antenna with 12 segments</sub>

*Aspilota fulvipes* group 3000? *A. labialis*? ♂ not mtd.

*A. f.* 297 = *A. cf. emarginatus* *nov.*

23.6.46, cont. Landerstown, KD, cont.

Taken at 1, cont.

*Meteorus fragilis* ♀, ant. 32.

*M. micropterus* ♀, head mtd of ♂, not mtd.

*Bracon paganus*? 297, one large, one small, ant. both 17.

*Aspilota fulvicornis*, 1 ♀, ant. taken off at 26 with segment.

*A. f.* *var.* ♂, ant. 22 *h.* of *var.* ♂, ant. 19, small.

*Dacnusa areolaris* ♂ & ♀, 2 ♀♀ frequent.

*D. tenuipennis* ♀. *D. longiradiata* ♀.

*D. laticornis* ♂. *D. dentata* ♀.

*D. maculipes* group ♂, ant. 22.

*D. (Dacnusa)* ♂ ♀? ♀, ant. 25, 3 distinct *areolaris*, →

*D. affinis* 2 large ♀, ant. 22, one 23, both mtd.

*Coelinius* ♂ & ♀, 2 ♀♀, ant. 27.

*Aphidius* aff. 3000? not mtd.

Roots, about a dozen (4 mounted), *Statice* *chamaedryfolia*

=  
*Chalcids* 8: none mtd.

*Cynipids* 1, not mtd.



23.6.46, cont. Landerstown, Co. KD., cont.

Taken at 2. [17 spp. found, including 4 *Drosophila*, none labelled 20.2.49.]

*Drosophila pubescens* ♂, not mtd.

*Sciomyza lateralis* ? ♀, not mtd.

*J. ?* ♂ = not mtd.

*Atractodes* small ♂, not mtd.

*Pimpla similis* ? ♀, not mtd. Small

*Mesochorus* small ♂ = not mtd. 9 *Drosophila* & *D. aldrichi* 1

*Meloboris* ♂, red coracae, not mtd. *D. anglica* (*latreana*) 1

*Bracon* *undulatus* m. ♀, not mtd. very nice specimen. *D. varians* 3.

*Leucogaster* sp. ♂, not mtd. minute, red legs - Marshall? *D. dorsalis* (*communis*) 4.

*Apanteles apicatus* group ♂, not mtd.

*Microgaster* sp. ♀, not mtd.

*Opus* *caesus* ♂ & *O. irregularis* ♀, not mtd.

*O. luscus* ♀, not mtd.

*Pentapleura pumilio* ♂, not mtd.

*Dacnusa pubescens* ♂ & *D. longiradicis* ♂, not mtd.

*D. areolaris* ♂ & ♀, frequent - none mtd.

*D. cyathina* var. *var.* ♂, not mtd.

*D. areolaris* ♀, not mtd.

Aphidid sp. ♂

Chalcids 2 = not mtd.

Cynipid 1 =

Cynipid not mtd. taken by O. Simons at 1st Clontarf, 6.20.46 on 27.6.1946

For dates, between 11.8.1946 of previous volume see and AWS.

11th August 1946. A fine morning with a morning after a fine day & night, with rapidly changing glass, followed by a fine shower at 2.15 and SE. & heavy rain & drizzle from 4.30 onwards. Left home at 2.15 & drove to Landerstown, Co. KD., on Grand Canal, arrived there about 2.30, & for anything, would not get a fine afternoon, but SE. wind was strong & rain fell to south & by 3 P.M. it was obvious that rain would soon follow, at 3.30 wind dropped dead, at 3.50 squalls from S. heralded the rain, which commenced a few minutes later. Left Landerstown at 4.30 & returned via Ballinacorney Lane arriving home about 5.30.

Collected in two areas before rain at Landerstown, as follows: -

- 1 = Drain S. of road, plantation, receded by drain S. of plantation & NW corner of <sup>hay</sup> field S. of plantation, 1/4 mile E. of Landerstown Ho.
- 2 = W. edge of S. end of last field which was in oats & rather weedy



11.8.46, cont. Lardenstown, Co. KD., cont.

Taken at 1. <sup>on 11.8.1947 = 11.8.46</sup> <sup>13.8.46</sup> *Bombus terrestris* ♀ seen.

*Spilomega bryoniae* ♀, in air at NW end of field.

*Trypoxylon attenuatum* ♂, swept near *Spilomega*

[No *V. (Schweinitzi)*]

*Trypoxylon* 7: 4 mounted in Hamilton. ♂, ant. 27, small, with

*Trypoxylon* 2: 2: 11.8.46. *Trypoxylon* ♂, ant. 27, small, with

*Trypoxylon* 1: 1: 11.8.46. *Trypoxylon* ♂, ant. 27, small, with

*Pimpla melanopyga* 1: 1: 11.8.46. *Pimpla melanopyga* ♂, ant. 27, small, with

*Pimpla melanopyga* 1: 1: 11.8.46. *Pimpla melanopyga* ♂, ant. 27, small, with

*Stenomacrus curvicauda* ♀, ant. 25, very small, with

*Homocidus pictus* ♂, ant. 25, very small, with

*Promethes eximius* 2 ♂♂, ant. 25

*Empoasca fabae* 5 = *fabae* ♂, ant. 25, small, with

*Stenobothrus* ♂, ant. 25, small, with

*Phaenocarpa* 7 ♂♂, ant. 25

*Plectiscus* 3 = *Plectiscus* 1 ♂, ant. 25, small, with

*Plectiscus* 2 = *Plectiscus* 1 ♂, ant. 25, small, with

*Plectiscus* 1 = *Plectiscus* 1 ♂, ant. 25, small, with

[No *Bracon* sp.]

*Apanteles pictus* ♀

*Perilitus* ♂, ant. 25, small, with

*Blacus* *laevigatus* 2 ♂♂; ♀, ant. 17 =

*Blacus* *capitatus* 2 ♂♂, ant. 17

11.8.46, cont. Lardenstown, Co. KD., cont.

Open area at 1. Taken at 1 cont.

*B. comatus* 1 ♂, ant. 29; very small, with

*B. terrestris* 1 small ♀, ant. 26

*B. terrestris* 1 ♂, ant. 29, very small, with

*Stenobothrus pictus* 2 ♂♂, ant. 25

*Alloea* *concolor* ♂, ant. 24

[No *Allysiid* except *Coelinius*!]

*Coelinius* *albus* 1 ♂, ant. 21. *Coelinius* 1 ♂, ant. 20

*Coelinius* 1 ♂, ant. 17, very small, with

*Coelinius* (Hald.) *paucicornis* 2 ♂♂, ant. 15, 12, 14, 15, 15, 15

*Bracon* *pubescens* 1 ♂, 1 ♀

*B. multiplex* 1 ♂, *B. longicauda* 2 ♂♂ } none mtd.

*B. depressus* 1 ♂, *B. terrestris* 1 ♂

*B. melanocoma* 1 ♂, ant. 29

*B. affinis* ♀, not mtd.

*Bracon* *volucre* ♀, ant. 20

*B. albipennis* ♀, ant. 14

*Microctonus* *varius* ♀

*Triclistus* *lineator* ♀, ant. 11

*Aspilota* *affinis* 4 = *A. affinis* Hal. ♀, ant. 18, but small, with

*A. affinis* *pubescens* 1 ♀, ant. 17, deep purple, 1 ♂, ant. 14

*Ephedrus* *validus* 2 ♂♂, not mtd.



11.8.46, cont. Landisdown, KD, cont.

Taken at cont.

Proctos very common - about 30 in number: 7 spp. =  
*Periclyptus sphaerogaster* ♂.

Chalcids abundant: 16 in number

Cynipid 7 in number

Dipteron

11.8.46, cont. Landisdown, KD, cont.

Taken at 2 (Barnfield) [Route 9m 2, then labelled 20.4.1949.]

Alucidae 4 1 small

Blowfly 1 ♂, ant. 29.

Thrips 3 ♀, ant. 17 =

Campoplegid ♂: small

*Bracon ruficornis* Hal. ♀, ant. 27: on the whole a bit larger than *B. ruficornis* Hal. (see page 12 of *Journal of the Royal Entomological Society*)

*Phaenocarpa rufipalpis* Hal. ♀, ant. 26

*Chalcid bracon* ♂ ♀ on *Salix*, ant. 26

*Blacus paganus* Hal. ♂ on *Salix*, ant. 20.

11.8.46, cont. Landisdown, KD, cont.

*Drosophila melanogaster* ♂, ant. 24

*Opusella* ♂, ant. 22, 23, 24, 25.

*Centoplasma pumilio* 2 ♂, 1 ♀, ant. 24, 25, 26, 27, 28

*Periclyptus sphaerogaster* ♂, ant. 24, very small specimen, ca. 1mm, ant. 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

*Aspilota (Synaldis) pumilio* ♂, ant. 24

*Bracon areolaris* 3 ♀, ant. 24

*B. ruficornis* 2 ♀, rather larger than usual: ant. 24

*B. pumilio* (Hal.) Nixon 1 ♀, small ant. ♂, ant. 35

*B. pumilio* ♂ ♀, very small ♂, glabrous tergite 1, ant. 17 = Nixon, trans. Nix.

*Bracon* ♀, ant. 19, ant. 19

*Aphidius* ♂, ant. 7, small

Proctos: 2

Chalcid: 4 200 spp.

Cynipid: 1

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14th August 1946. A very nice day after a terrible day of gale + wind on 12th + heavy cold showers + N. wind on 13th. Left home in car at 10 A.M. & drove to far end of Buttas Bay Co. WI. arriving at about noon, as we had stopped for a few minutes at top of hill S. of Rathnew to admire the view of the Wicklow hills & immediately look at position of the Junkers plane which crashed almost on summit of Dorce on Monday (12th) afternoon with French Girl Guides - nobody being killed!

Wind W. & light in morning, but a sudden cold N.E. wind came in off the sea at 12.30 & lasted for half an hour; the wind SE slight & later SW. & the W. & finally N. at 4.30 PM! an obvious gin formed of hills to N & NW. & as we left for home at 5 P.M. it had reached the ridge of hills S. of Wicklow; we drove through it near Redcross & then for miles on flooded roads & out into sunshine. Another very heavy shower from N. hit Dublin at 7.30 P.M. & lasted 15 minutes.

The rain on 12th had flooded the lagoon in down & the great marsh behind the sea

14th 8 46, cont. - Buttras Bay, WI, cont. collecting in the better parts of ponds & marsh vegetation in the lagoon - collected by sweeping in places, as follows:

- 1 = Sand dune S. of outlet of marsh E. of main head & just E. of old road through dunes & W. of lagoon in dunes.
- 2 = Spent Salix & Salix scrub (bushes) in hollow E. of station 1 & on S.W. edge of the lagoon, where much Juniperus scrub & Salix upon.
- 3 = Similar habitat in wet hollow S. of station 3.
- 4 = Flooded edge of lagoon covered to top with water but normally dry in summer, they much Scirpus peruvianus, Typha telemanensis, Juniperus scrub, Sp. maritima, Phragmites communis, etc., but the best ground under water.

Buttras Bay seen during day - Meadow Brown by stream feeding stream; Common Blue & Small Copper were good only, the grass is dry.



14.5.56, cont. Buckeney down, Wilt

Taken at 1. 1957 in the field (then labelled 1 - 1957)

*Chalcidius pumilio* var. *minor* 1 ♀

*Exochus armatus* var. *minor*

*Exochus* sp. 1 ♂, 1 ♀

*Tachineta pumilio* ♀ *Pimpla pumilio* 2 ♂♂

*Mesochorus* sp. *Coelinius* sp.

*Bombus lucorum* 2 ♂♂, 1 ♀

*Bombus lucorum* 1 ♂, 1 ♀

*Vespa* sp. 1 ♂, 1 ♀

*Vespa* sp. 1 ♂, 1 ♀

*Colletes* sp. 1 ♂

*Saigona* *Solenobia flavipes* ♂, 1 ♀

*Saigona* sp. 1 ♂, 1 ♀

*Allantia* sp. 1 ♂, 1 ♀

*Attalia* sp. 1 ♂

*Schizura* sp. *peruviana* ♀ = *malincheana* sp. ♂ ant. 42

*Phygadeuon* sp. ♀, ant. 24

*Cryptus* sp. 1 ♀, north ♂ & ♀ *Pezomachus* 5 ♂♂, 1 ♀

*Merula* sp. ♂, ant. 23 H. sp. ♀, ant. 22

*Pezomachus* sp. ♂, ant. 22

*Chalcidius* sp. ♂, ant. 22

14.5.56, cont. Buckeney down, Wilt, cont.

Taken at 1. cont.

*Leucospis parallelus* ♂ & 2 ♀♀, ant. 13

*Glypta nigricornis* ♀, ant. 26

*Phytodietus* sp. ♀, ant. 34

*Proctos* sp. ♂, ant. 22

*Pezomachus* sp. ♂ & ♀

*Homocidus nigritarsis* ♀, ant. 22

*Microgaster* sp. ♂, ant. 31

*Stenomacrus rubripes* ♀, ant. 22 *Trichostus podagrinus* ♂, ant. 22

*Orthocentrus radialis* ♀, ant. very red, 29-seg.

*Chalcidius* sp. ♀ (2 ♂♂, 1 ♀) : 1 ♂ = *Chalcidius frontalis* ♂, ant. 22, 4-seg.

*Chalcidius* sp. 1 ♀, ant. 20 =

*Chalcidius* sp. ♀, ant. 21

*Chalcidius* sp. ♀, ant. 21

*Pezomachus obscurator* 2 ♀♀; ant. 19+20

*Bombus* sp. ♀, ant. 29

*Pezomachus* sp. ♀, ant. 32

*Pezomachus geminatus* 1 ♂, ant. 31

*Glypta* sp. ♀, ant. 24

*Chalcidius* sp. ♂, ant. 22

*Chalcidius* sp. ♂, ant. 22

*Chalcidius* sp. 4: 3 ♂♂ = *Chalcidius* sp. ♂, ant. 17

*Chalcidius* sp. ♂, small, dark, very pale



14.8.46, cont. Buckeney down, W.I., cont.

Taken at 1 cont.

- Aspilota stramineipes* ♂ ant. 31.
- Metacoelus pallipes* ♂ ant. 25.
- Diaplocheilichneumon* ♀ ant. 24.
- Opius minutissima* & *clavicornis* (2) ant. 23, 19 small, ant. 21.
- O. uncinata*, 1 ♂, ant. 24.
- Orthostigma* cf. *maculipes* ♀, ant. 18.
- Leptilota dentifemur* ♂, ant. 22.
- C. (Squalida) bipunctata* ♀, ant. 18, all small, very small.
- Dacnusa areolaris* ♂♂, 2 small, ant.
- D. cyclops* 1, ant. 22.
- D. confinis* 1 small ♀, ant. 21.

[No Aphidid!] ]

Proctos - 13. 6 spp.

*Chalcids abundant* - 26 = *males*; 5 mtd.

Cynipids 2: 2 mtd.

Raphid 3 *Acanthomyia grossa*  
*lutea*

14.8.46, cont. Buckeney down, W.I., cont.

Taken at 2. [51 = ...]

- Bethylus fuscicornis* ♂, ant. 24.
- Vol. I Leds. 20 = 20 spp.; 2 ♂♂ mtd. =
- Brachichneumon ruficornis* ♂, ant. 25.
- Phaenocarpa* ♂, ant. 24 = ...
- Cynipids 7: 6 mtd. = *Stigmon*, *carinicornis*, *Thom.* = 18, 19, 20, 21, 22, 23.
- Phaenocarpa* 2, ant. 24. *Harb.* *maculipes* ♀, ant. 22.
- Harb.* cf. *praeclara* group, ♂, ant. 22. *Harb.* cf. *praeclara* group, ♂, ant. 22, very small, 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.
- Leptilota* cf. *flavicornis* 2, ant. 22.
- L. maculipes* group 2 ♂♂, ant. 22.
- L. dentifemur* group 1 ♂, ant. 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.

*Polyblastus lateralis* = 2 ♂♂, ant. both 25.

*Proctos* *alternata* 1 ♂, ant. 24. *U. radialis* ♀, ant. 20.

*Stenomacrus* *luteus* ♀, ant. 27.

*St.* *clavicornis* 1 ♂ (ant. 24), 2 ♀♀ (ant. both 24).

*Chalcids* cf. *luteicornis* ♂, ant. 24, yellow legs, slender, white, ♂.

Cynipids 6: 2 mtd. = *leptis* ♂, ant. 22.

Proctos 2 *clavicornis* ♂, ant. 23, very small.

*Harb.* *praeclara* group ♂, ant. 36. *M.* ♂, ant. 30.



14.8.46, cont. Bucknong, Devon, W., cont.

Taken at 2, cont.

Theridion 2 ♂♂, ant. 22-25, like mounted in 1946 =

♀ ant. 31

Crocophora leucosticta ♀, large, ♀ in

Encyrtidae superfl. 2 ♂♂, ant. 22-23

Epaphidius 4 ♂♂

Theridion 2 ♂♂, ant. 22-25, like mounted in 1946 = [ant. 20, 17  
- 29, 19]

Theridion 1 ♀, ant. 25

Theridion 1 ♂, ant. 32, no female on type [ant. 20, 17  
- 29, 19]

Theridion 1 ♀, ant. 32

Theridion cf. bicincta ♀, ant. 17, but tibiae very long - nearly 1/2 abdomen!

Encyrtidae superfl. 2 ♂♂, ant. 22-23

Encyrtidae superfl. 1 ♂, ant. 23

Theridion 1 ♂, ant. 17

Encyrtidae superfl. 1 ♂, ant. 17

Encyrtidae superfl. 1

Theridion 1 ♀

Aphidius ♂ = G. superfl. ant. 16

Proctos. 12: 5 mounted including +

Calliopsis longicornis ♀, ant. 1949

Stenobothrid fly  
=

14.8.46, cont. Bucknong, Devon, W., cont.

Taken at 2. [15 numbers then labelled 10-24, 1949.]

Theridion 1 ♂, ant. 22-25, like mounted in 1946 =

Theridion 1 ♂, ant. 27

Theridion 1 ♀, ant. 32

Theridion 1 ♀, ant. 23

Proctos. 1 ♂, ant. 23

Proctos. 1 ♂, ant. 23

Proctos. 1 ♂, ant. 23

Proctos. 1 ♂, ant. 23

Proctos. 1 ♂, ant. 23

Proctos. 1 ♂, ant. 23

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Proctos. 1 ♂, ant. 23

Proctos. 1 ♂, ant. 23

Proctos. 1 ♂, ant. 23

Proctos. 1 ♂, ant. 23

Proctos. 1 ♂, ant. 23

Proctos. 1 ♂, ant. 23



14-5 46, cont. - Ballymorey dam, W.I., cont.

Taken at 3, cont.

- Aspilota* sp. *ambigua*? ♂, ant. 25.
- Aspilota* (sp. det.) of *lucida* ♀, ant. 22, legs 3, 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.
- Ephedrus* *validus* ♀, ant. 21.
- Promethes* *retusus* ♀, basal flagella segment *Antennae* 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.
- Ephedrus* *varius* ♀, ant. 19.
- C.* sp. 3000, ant. 21.

Proctos. 6, 2 not id. = *gibbosa*.

*Aspilota* 1, not id.

Taken at 4. (Chapman) [23 numbers with labels 17 20 1929.]

- Ephedrus* sp. 3 not id. = *Hamitella* ♂, ant. 19, 20, small dark ♀.
- Leptocryptus* sp. ♂, ant. 26. *Pezomachus* ♂, ant. 27.
- Pezomachus* *clavicornis* ♀, ant. 23.
- Aspilota* sp. ♀, ant. 33, not id.

- Pezomachus* *epitriptus* var. 1? ♀, ant. 26, smooth prothorax, var. with dark legs?
- Aspilota* *pellucida*? ♀; very pale stigma, yellow propodeum, "
- Aspilota* *mediana*? var. ♂, ant. 24, legs 3, 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.
- Aspilota* *irregularis* var. ♀, ant. 24; legs 2, narrow - sciculate.

14-5 46, cont. - Ballymorey dam, W.I., cont.

Taken at 4, cont.

- Aspilota* *contorta* ♀, not id.
- Pezomachus* (*Gyrocampa* sp.) off. 10, small - *elysiaca* ♂, ant. 27, legs 3, 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.
- var. of? ♂, legs 3, 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.
- = *D. (S.)* *retorta* 10, 15 (ant. 31, 30). *D. (S.)* *fulvipes* side of *fulvipes* ♂, ant. 27, legs 3, 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.
- D. (S.)* *elysiaca* 3000, ant. 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.
- D. (S.)* *subtrifurca* side of *subtrifurca* ♂, ant. 27; 1000 sp. ♂, ant. 29, 1000 sp. ♀, ant. 26, off. ant. + 26; 1000 sp. ♀, ant. 26, legs 3, 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.

Proctos. 5, not id. species: 4 mounted - all small.

*Aspilota* 1, not id.



21st Aug 1946. A dull, damp, afternoon with  
South E breeze, much warmer than of late,  
after a fine morning & previous days night -  
Almost rainless, a few small showers  
& mist rain in morning after 6 P.M.

In afternoon drove to Grand Canal at  
Lamberton, Co. KD., arriving at 3 P.M.  
& collected in four areas & left for home  
at 7.5 P.M. Home 7.50. Collection  
as follows by sweeping: -

- 1 = N. & W. edges of oats in field S. of  
plantation 1/4 mile E of Lamberton Ho.
- 2 = Marsh & ditch <sup>grassy</sup> at E end of field  
S. of Lamberton Ho. & W. of ditch 1 & 3.
- 3 = W & N. edges of cut in field, & drains  
along S. edge of plantation, between cuts 1 & 2.
- 4 = S. margin of Grand Canal; reeds, sedge,  
Bogbean, Typha, Glyceria, mint, etc. etc.  
between Lamberton Ho. & plantation  
E of same.

21.8.46, cont. Lamberton, Co. KD., cont.

Taken at 1. [39 minutes from 1st time collected 21.8.46]   
*Crabro tibialis* 1. *Scambus distans*; *manducator* 1 (part of same).   
*Ichneumon* sp. ♂. not id.   
*S.* sp. ♀. not id.   
*Cryptinids* ♂. 2 mounted = *Hebilla* ♀, not id.   
*Hebilla*, small, black, + small, not id. =   
*Acronyctus dignus* ♀, not id.   
*Leucospis sulphurea* part 100, black, same, not id.   
*Chalcids* 2 ♂♂, not id. =

*Tryphon serotophorum* 1 ♂, not id.   
*Pimpla rufipes* 1. 1 ♂, not id.   
*Hemiteles rufipes* ♀, *pallipes* ♂, *lygatus* ♂, black, same, not id.   
*Microgaster* sp. ♀, small, typical, not id.   
 " " sp. ♂, large, 2 ♂♂ smaller, not id.   
*Coelinius* 2. not id.   
*Theridion* ♀, not id., head of =   
*Leptopygus hirsutus* ♂.   
*Brachon* common = ♂, large, not id., head black, not id.   
*B. abnormis* ♂, small, not id.   
*Chalcid* *tricornis* ♀, not id.



218 1st cont. Landerston, Co. KD, cont.

Taken at 1, cont.

- Blacus ruficornis* ♀, ant. 20, rather dark specimen
- Coelinius laudator* ♂, ant. 25.
- Coelinius ruficornis* ♂, ant. 21.
- D. obscurus* ♂, ant. 24, very common.
- Opius ruficornis* ♂, ant. 25, very common. all old.
- A. levini* 4 ♂♂ (ant. 21, 21, 20+22), 2 ♀♀ (ant. 21, 20+22), but form of *plagiator*
- A. ruficornis* ♂, ant. 21.
- Coelinius ruficornis* ♂, ant. 21.
- Microgaster ruficornis* ♂, ant. 21.
- Tanyocampa ruficornis* ♂, ant. 23.
- Pentapleura pumilio* ♂, ant. 24, very old.
- Aspilota* spp. 5, all old. = *A. ruficornis*, smaller, ant. 20. *A. ruficornis* ♂, ant. 15.
- A. imitator* ♂, ant. 15, but puparium small. *A. ruficornis* ♂, ant. 15.
- A. (Synaldis)* ♂, ant. 22.
- Dacnusa areolaris* group common, mostly ♀♀. very old.
- D. areolaris* ♀, ant. 22.
- D. ruficornis* ♂, ant. 23.
- D. ruficornis* ♀, ant. 22.
- D. ruficornis* ♂, ant. 21.
- D. ruficornis* ♀, ant. 22.
- Coelinius ruficornis* ♂, ant. 21, both better off.

218 2nd cont. Landerston, Co. KD, cont.

*Pezomachus* ♂, ant. 24, <sup>not labelled to me</sup> *Pezomachus* ♂, ant. 24, *Pezomachus* ♂, ant. 24

*Aspilota* spp. 2, very old.

*Microgaster ruficornis* ♂, ant. 21. *Pezomachus* ♂, ant. 24 =

Taken at 2. 33001 from 2 other labelled 20 10 47

*Pezomachus* ♂, ant. 24.

*Microgaster ruficornis* ♂, ant. 21.

*Blacus ruficornis* ♂, ant. 21.

*Pentapleura pumilio* ♂, ant. 24.

*Aspilota* spp. 3.

*Aspilota ruficornis* ♂, ant. 21.

*Microgaster ruficornis* ♂, ant. 21.

*Dacnusa areolaris* ♀, ant. 22.

*Pezomachus* ♂, ant. 24 = *Pezomachus* ♂, ant. 24, *Pezomachus* ♂, ant. 24, *Pezomachus* ♂, ant. 24

*Microgaster ruficornis* ♂, ant. 21, small dark legs.

*Aspilota ruficornis* ♂, ant. 21, not old.

*Pentapleura pumilio* ♂, ant. 24, pale legs, ant. 24.

*Microgaster ruficornis* ♂, ant. 21, not old.



21.5.46 cont. Landerstown, KD, cont.

Taken at 2 cont.

*Blacus ruficornis* 20♂♂, 24♀

*B. trispinosus* 20♂♂

*C. pumilio* 10♂♂, 10♀♀, large abdomen 1♂♂

= *C. ruficornis* cont. 20♂♂, 20♀♀. *C. pumilio* ♀, not all

*C. cf. ruficornis* 2♂♂, 2♀♀, very young of the year with 1st abd. seg. small = *C. ruficornis* (small)

*Pedunculatus pumilio* 2♂♂, 2♀♀, also 1 large ♂, not all

cont. above with, not all.

*Phaenocarpa* 2♂♂, 2♀♀, not all

*Aspilota* spp. 11, including *C. ruficornis* = 4♂♂, 2♀♀, 21.20

*S. cf. subulata* 1♂♂, 1♀♀, not all. *C. ruficornis* 5♂♂, 5♀♀, 20.21.22

*C. pumilio* ? 1♂♂, 1♀♀, not all. *C. ruficornis* ♀, not all. *C. cf. ruficornis* ♀, not all

*G. (Synaldis)* spp. ? 2♂♂, 2♀♀, not all.

*P. ruficornis* 2♂♂, 2♀♀, not all

*P. pumilio* 1♂♂, 1♀♀, not all

*P. ruficornis* 1♂♂, 1♀♀, not all

*P. ruficornis* 1♂♂, 1♀♀, not all

*P. ruficornis* 1♂♂, 1♀♀, not all

*P. ruficornis* 1♂♂, 1♀♀, not all } Both with rather pale legs - almost all mated

*P. ruficornis* 1♂♂, 1♀♀, not all

*P. ruficornis* 1♂♂, 1♀♀, not all

*P. ruficornis* 3 = *uliginosa* 244. etc., not all

21.5.46 cont. Landerstown, KD, cont.

Taken at 2 cont.

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

Taken at 3. [31 names from 3 other labels 20.10.49]

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all. *Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all. *Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all. *Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all

*Chalcididae* 2♂♂, 2♀♀, not all



21.5.46, cont. Lendington, C. KD, cont.

Taken at 2, cont.

*Phyphidius rufus* ♂ ant. 27.

*Chorebus subvittatus* & *pubescens* 1 ♂, 1 ♀, ant. 28.

*Chorebus*? ♂, ant. 27.

*Chorebus* (3) - *pubescens* of *pubescens* ♂, ant. 28.

*Chorebus subvittatus*? ♀, ant. 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.

♂ *Chorebus* ♂: 299, ant. 29-30 =

*Phyphidius* ♂, ant. 27, not mtd.

*Chorebus* ♂, ant. 27, not mtd.

*Chorebus* ♂ =

*Bracon fulvipes* ♀ *B. subvittatus* ♂, ant. 27, not mtd.

*Bracon* ♂, ant. 27, not mtd.

*Chorebus subvittatus* ♀, ant. 26.

*Chorebus* of *pubescens* ♂, ant. 42.

*Chorebus* of *pubescens* ♂, ant. 30.

*Chorebus* *pubescens* ♀, ant. 24.

*Chorebus* *pubescens* ♂, not mtd.

*Chorebus* ♂, ant. 23.

*Chorebus* ♂, ant. 19.

♂, ant. 19.

21.5.46, cont. Lendington, C. KD, cont.

Taken at 2, cont.

*Chorebus* ♂, ant. 27, not mtd.

♂, ant. 27.

♂, ant. 27, not mtd.

*Chorebus* ♂, ant. 27, not mtd.

*Chorebus* ♂, ant. 27, not mtd.

*Chorebus* ♂, ant. 27, not mtd.

*Chorebus* ♂, ant. 27, not mtd.

*Chorebus* ♂, ant. 27, not mtd.

*Chorebus* ♂, ant. 27, not mtd.

*Chorebus* ♂, ant. 27, not mtd.

*Chorebus* ♂, ant. 27, not mtd.

*Chorebus* ♂, ant. 27, not mtd.



21.8.46, cont. Lander Farm, RD, cont.

Taken at 10:30 - 11:00 (see list 22.10.49)

*Cryptine* 6, none etc.

*Pimpla subulator* ♂, not etc.

*Homocidus nigricornis* ♀, ant 31, very fine specimen

*Meloboris* 2 spp. & one other *Chrysoidea*: none etc.

Genus of small ♂, ant 27. "near *Edgerton*"

*Xenarcha tustrator* ♀, ant 32, very nice specimen

*Apanteles* 2 spp. 2 spp.

*Mesochorus strombus* ♂♂ ♀♀; ant 22/23/24/25 (2♀) rather small

*Spina* 2 spp. & fine other specimens

= *D. brevis* with ♀, ant 33    *D. irregularis* 1 ♂, 1 ♀, ant 26/24

*D. parvulus* ♀, ant 23

*Alysia sophia* var. *imbricata* Gahan. 6 spec ♀, ant 34

*Pentapleura pumilio* ♂♂, ♀♀, 1 ♂, 1 ♀, large all set by hand, ant 30

*P. punctata* ♂: not etc.

*Phaenocarpa annosa* ♂♂ (*annosa* Gahan) ♂♂ {sent to Gahan & Gahan, Ill. 7.16.46

*Aspilota* 2 = *A. dentifera* 1 very fine ♀, ant 20.

*A. (Synaldis)* ♀, ant 22

*Praon* *pubescens*, *longicauda* (none etc) & *arctus*?

*D. porticus* ♀, ant 31, 2 small ones of *pubescens* etc, but ant 26

*D. laevipes* ♂, ant 23

21.8.46, cont. Lander Farm, RD, cont.

Taken at 10:30, cont.

*Grammops* *terminalis* 2 ♂♂, ♀♀, small (ant 22-23), large (ant 25/26)

*D.* of *terminalis* ♂, ant 22, small, dark legs, ant 22

*D.* of *terminalis* ♂, ant 22

*D.* of *terminalis* ♂, ant 22, small, dark legs, ant 22

*D.* (*lygus* group) of *lygus* ♂ (ant 24), ♀ (ant 24), head brown

*D.* (*lygus*) 1 ♂, 1 ♀, ant 24, large, dark legs, ant 24

*D.* (*lygus*) *miniffa* ♂, ant 27.

*Chorebus* *conspicua* several ♂♂, ♀♀, very little etc

generally developed specimens on *Lygus* 1, 24/25, ant 24/25

*Proctos* ♀, dark antennae, 19-segmented

*Ichneumon* spp. a few. 1 ♀, ant 17) = *I. cf. pumilio*?

*Ephialtes* *reticulatus* 2 spp., not etc.

*Proctos*: none etc.

*Chalcids*: one ♀ by *lygus* etc.

=

*Lissonota* 3, all mtd (2-46-7)

=

23.8.46. Hants. Co. ...  
24.8.46. Hants. Co. ...  
25.8.46. Hants. Co. ...  
26.8.46. Hants. Co. ...  
27.8.46. Hants. Co. ...  
28.8.46. Hants. Co. ...  
29.8.46. Hants. Co. ...  
30.8.46. Hants. Co. ...

Sample 2 = *Trichogramma* sp. mtd etc.

*Pachyneurina* of *diplazis* ♂

*P. obducta* ♀







28 E 46, cont. Lumberton, MD, cont

Taken at 1 cont.

*Calyptra* *aperta* ♀, ant. 23.

*Mesochorus* *capitatus* ♂, ant. 37.

*Dacnusa* *obscura* ♀.

*Spilus* *caesus* ♂, ant. 22 + 4th seg.

*D. victor* ♀, ant. 23; *D. rufipes* ♀, ant. 23.

*D. comata* ♀, ant. 23. *D. rufipes* ♀, ant. 23. *D. rufipes* ♀, ant. 24.

*Pentapleura* *inpartita* 3 ♀♀, ant. 23.

*P. punctata* 4 (♂♂ + ♀♀), ant. 23.

*Allura* *contracta* ♀, ant. 23. *Phaenocarpa* *compuncta* ♀, ant. 24.

*Allysiid* *atra* ♀, small, ant. 26.

*Panorpa* *inops* large ♀, ant. 26.

*Aspilota* 10 ♂♂, 7 ♀♀, including *C. dentifera* ♀, ant. 23.

*A. rubicunda* ♀, ant. 19. *A. ruficornis* ♀, ant. 15. *A. ruficornis* ♀, ant. 17.

*A. ruficornis* 2 ♂♂, ant. 19(1), 21(1), 21(1), 23(1). *A. ruficornis* ♀, ant. 17.

*A. ruficornis* ♀, ant. 15.

*A. ruficornis* ♀, ant. 15; *A. ruficornis* ♀, ant. 17.

*A. ruficornis* ♀, ant. 19; also one small ♂, ant. 17.

28 E 46, cont. Lumberton, MD, cont

Taken at 1, cont.

*Dacnusa* *obscura*, *obscura*, *obscura*, *obscura*

& *longicauda* all associated with *Phaenocarpa*

*D. pilipes* ♀, ant. 27.

*D. rufipes* ♂, ant. 26.

*D. rufipes* ♀, ant. 27. *D. rufipes* ♀, ant. 27. *D. rufipes* ♀, ant. 27.

*D. rufipes*, *D. rufipes*, *D. rufipes* ♀, ant. 27, 28, ant. 25 + 29.

*D. rufipes* ♀, ant. 32.

*D. rufipes* ♀, ant. 32. *D. rufipes* ♀, ant. 32. *D. rufipes* ♀, ant. 32.

*D. (Gyrocampa)* *affinis* 3, ant. 27.

*D. (G.) rufipes* 3 ♂♂, ant. 27, 28, 29. *D. (G.) rufipes* ♀, ant. 27.

*D. (G.) rufipes* 1 ♀, ant. 23.

*Phaenocarpa* *compuncta* 2 ♀♀, ant. 23.

*Aphidius* *affinis* 2 ♂♂, 6 in number.

*Bracon* *gambus* 1 ♀, ant. 23, including *Phaenocarpa* *claytoni* Hal. ♀, ant. 23.

*Chalcids* 2 ♂♂.

*Cynipids* 1 ♂.



28 & 46 cont. Landover, MD, cont.  
Taken at 1 cont.

Taken at 2. [30 mounted from 20 this labelled 11/1/49]

- Epitoxus pygmaea* 2 ♀♀ not mtd.
- Trypoxetes* 7 2 mtd. =
- Hamitelen* 1 ♂, not mtd.
- Pezomachus* 1 ♂, not mtd.
- Campoplex* 1 ♂, not mtd.
- Exochus* 1 ♂, not mtd.
- Bracon areolaris* 1 ♂, not mtd.
- Promethes* 1 ♂, not mtd.
- Campoplex* 5: not mtd.

- Theridion* 2 - all black ♀♀ - none on 215 46, none mtd.
- Leptochrysis* 1 ♂, not mtd.
- Bracon anthracinus* ♀, not mtd.
- B. communis* 1 ♀, not mtd.

*Bombus*  
*1945*  
*♀*  
*♀*

28 & 46 cont. Landover, MD, cont.  
Taken at 2, cont.

- Colletes* 1 ♂, not mtd.
- Megachile circumscripta* 1 ♂, not mtd. Van. *vignifera* Nixon?
- Apanteles* 1 ♂, not mtd.
- Agathis curvicauda* 1 ♀, not mtd.
- Opius* 1 ♂, not mtd.
- Bombus* 2 ♂♂, not mtd.
- Pentapleura frontalis* 1 ♂, not mtd.
- Apanteles* 1 ♂, not mtd.
- Phaenocarpa tubicola* 1 ♂, not mtd.
- Chalcids* 2, included. *C. dentifera* Nixon ♀, not mtd.
- Apanteles* 1 ♂, not mtd.
- C. curvicauda* small ♂, not mtd.
- Orthocentrus* 1 ♂, not mtd.
- Zacnusa* 1 ♂, not mtd.
- Z. maculipes* 1 ♂, not mtd.
- Z. perla* 1 ♀, not mtd.
- Z. curvicauda* 1 ♀, not mtd.
- A.* 1 ♂, not mtd.
- A.* 1 ♂, not mtd.
- Z. stylata* 1 ♂, not mtd.



288-46 cont. Leukentia, to KO, cont.

Taken at 2, cont.

*Chamaecrista* sp. ♀, ant. 20.

*Aphidius* sp. 2 ♂♂, 2 ♀♀ =

*A. phoenicium* Mulsant, 1 ♂, ant. 16, spines perfectly with 15, <sup>ant. 16</sup> <sub>ant. 15</sub>

*A. circumscriptus* Mulsant? 1 small ♀, ant. 15; very nice, clearly colored specimen

Proctos. frequent: 6 spp.

*Chalcids* & *Cynipids* common; 20 spp.

Sandy 1 = *Halictus* sp. ♀

*Halictus*  
*Chalcids*  
*Cynipids*  
*Proctos.*

Taken at 3.

*Chamaecrista* sp. ♀: not id.

*Aphidius* sp. ♀, same as at 2?

*A. phoenicium* 4 ♀♀, ant. 16.

*B. tripudians* 1 ♂, ant. 16.

*Opius* sp. 1 ♂, ant. 27.

*D. angulatus* 20, ant. 16.

*Adelius flaviventris* 1 ♂, ant. 16.

*Aspilota* sp. ♀, very typical specimen, ant. 18.

Taken at 3, cont.

*Chamaecrista* sp., *Chamaecrista* sp. & *Chamaecrista* sp. ♀, ant. 20.

*D. aphanta* 20 (1 ♂ & ♀), same as at 2.

*D. aphanta* 2 ♂♂, 1 ♂, ant. 16, 1 ♂, ant. 16, 1 ♂, ant. 16.

*D. postica* ♀, large, ant. 21.

*Aphidius* sp. 2, same as at 2.

Proctos. 1 ♂, ant. 16 =

*Chalcids* } 6 spp.

*Cynipids*

Taken at 4.

*Cryptinids* 6: 2 spp. =

*Pezomachus* sp. ♂, wings, red, ♀, ant. 21.

" " ♂, wings, red, ♀, ant. 24.

*Coelophanes* 3: not id.

*Theridion* 1 ♂, not id.

*Antlion* sp. ♀



28 & 246, cont. - Leadenhall, KD, cont.

Taken at 14, cont.

*Xenoclelus tuberosus* ♂, not used.

*Sigalphus caudatus* 2 ♀♀, not used.

*Mesocentrus strombus* ♀, not used.

*Spin. caesus* ♂, not used.

*D. pumilus* ♂, not used.

*Pentapleura punctata* 1 ♂, 2 ♀♀, not used.

*Phaenocarpa laevis* ♂, not used.

*Dacnusa pubescens*, *areolaris*, *laevipennis*

& *complanata* none used.

*D. elegantula* 2 ♀♀, not used.

*D. nigripes* 4 ♀♀ taken on edge of canal at road end.

1 ♂, 1 ♀, not used. 2 ♀♀ reported.

*Chironomus* 1 ♂, 1 ♀, not used.

*Cephalopoda* spp. 3, not used.

*Plecoptera* 2, not used.

8th Sept. 1945. A fine day with heavy clouds. After rain

at 10, walked with [unclear] to see [unclear]

to see [unclear] at 11.50. In night, as set out for

Leamington on Royal Canal, KD, at 11.50.

Quite hot & sunny, but cloudy and hot [unclear] of [unclear]

with a thin [unclear] to N.W. & rain [unclear]

in [unclear] to [unclear]. However, as [unclear]

the 1, it was not raining, then [unclear] to

canal, [unclear] anything [unclear]. But [unclear]

to Mr. Mitchell's plantation (you look along Leam [unclear]

then left car!) & tried sweeping [unclear] spot,

but [unclear] shown [unclear] at [unclear].

Nevertheless, in [unclear] had filled [unclear]

in [unclear]. There is still [unclear] [unclear]

over from West & so had a [unclear] [unclear]

& after the [unclear] [unclear] edge of the [unclear], [unclear]

with [unclear] [unclear] [unclear]. Not [unclear] [unclear]

and [unclear] & then walked to [unclear] to [unclear]

field W. of Leam Bridge - the year [unclear] [unclear]

& already cut, but [unclear] W. end in [unclear], [unclear]

& a [unclear] of [unclear] in [unclear] of 1944, [unclear]

sweeping [unclear] [unclear], but [unclear] [unclear] [unclear]

wet & [unclear] had to give in a net full of water.



8.9.46, cont. Royal Canal, KD.  
 S. 1 - 3 areas, as follows: —  
 1 = islands called plantations 1/2 mile W of Lewis Bridge  
 2 = along tow path near E. of station 1.  
 3 = along pt. west, towards canal, especially  
 from edge along hedge of 2 = fields between  
 canal & Maynooth road W. of Lewis Bridge.

Taken at 1.

*Pteromalus*? 1 ♂ 1 ♀, ant. 25, 26 (both) 24  
*Phygadeuon* *leucopus*? ♀, ant. 20.  
*Epilachna* *pygmaea* var. etc.  
*Cryptus* ♂ about 20, mostly ♂♂? *Pygostolus* ♂ var.  
*Neurolepis* *rubellus* or *H. apicalis*? about 15 ♂♂  
*H. piceus*? ♀, ant. 18 H. ♂ 3, ant. 20 H. ♂ 2, ant. 25  
*Phygadeuon* *apicicornis* ♂, ant. 30 = *Pygostolus* ♂ *apicicornis* var.  
*Pezomachus* ♂ 500, *supra*, ant. 19, 20, 21. *Phygadeuon* ♂ 1, ant. 19.  
*P.* ♂ 1, ant. 20 *P.* ♂ 1, ant. 20.  
*P.* *fla.* of *flavicornis* var. not with  
*Stenomacrus* *curvicauda* 2, ant. 30.  
*Stenomacrus* *sublineatus*? ♀ not with  
*Leptopygus* *leptopygus* with  
 [No *benefactus*, as *leptopygus* + *benefactus*, etc.]

8.9.46, cont. Royal Canal, KD., cont.  
 Taken at 1, cont.

*Aspilota* *leucopus* ♀ *Aspilota* *leucopus* ♀, ant. 32  
*Blacus* *confusus* 20 ♂♂, not with.  
*B. pygmaeus* ♀, ant. 17. *B. leucopus* ♂, ant. 17.  
*Opius* *communis*? ♂ or ♂, ant. 21.  
*D. dicitur* *leucopus*, ♀, ant. 30.  
*D. concolor* = ♂♂, ant. 25, 26, 27.  
*Pentapleura* *argentea* ♂♂, ant. 25.  
*Allon* *concolor* ♂♂, ant. 25.  
*Phaenocarpa* *leucopus*, large ♂, ant. 33.  
*Aphidius* *terrestris* ♀, not with.  
*Aspilota* ♂ 10 ♂♂, 1 ♀, ant. 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.  
*A. minutissima* 1 ♂, ant. 11, very small ♂, ant. 10, 11. *A. leucopus* *leucopus* ♂, ant. 31.  
*A. cyathus* ♂, ant. 17, small *A. leucopus* ♂, ant. 21, head reddish brown  
*A. f. quadratus* 2 ♂♂, ant. 23 *A. leucopus* ♂, ant. 21, head reddish brown  
*A. leucopus* ♂, ant. 23 *A. leucopus* ♂, ant. 24 *A. leucopus* ♂, ant. 25, ant. 19, 20  
*A. f. leucopus* ♂, ant. 20 *A. f. leucopus* ♂, ant. 21, ant. 19, 20  
*A. (S.) concolor*? ♂, ant. 21 *A. (S.)* ♂, ant. 22 + smaller ♂, ant. 21, 22, 23  
*Dacnusa* *leucopus* 1 ♀ only — small, when seen  
*D. cyathus* 1 ♀  
*D. cyathus* 3 ♀♀ } from  
*D. cyathus* 1 ♀ } nests.  
 No *Aspilota* seen!



8.9.46, cont. Royal Canal, KD, cont.

Taken at 1, cont:

Proctos - very common, about 25 in water, 10 in mud =

Chalcids very common class: sent to D.S. Brulle  
about 20: 7 spp. - *Stenomacrus confusus* = *Stenomacrus fulviventris*

Cryptids 5: none mtd.

Taken at 2. (11 mounted from 2 & then labelled in 11.9.47)

Cryptids 4: 1 mtd = 4 mtd. 1 mtd in old plastic  
with 2 mtd 3 mtd, pale.

- Pimpla turinellae* group, most common, not mtd
- P. detrita* group, not mtd
- Coeloclypeus* sp. = *Gymnoscus leucocoma*? (mtd 28, no mtd!)
- Leptopygus leucopus* ♀, not mtd.
- Microctonus* ♂, not mtd =

8.9.46, cont. R. Canal, KD, cont.

Taken at 2, cont:

- Blacus* *longus* group, not mtd
- Mesochorus* *marginator* ♀, not mtd
- Aspilota* (*Synaldis*) 1 ♂, 2 ♀♀ = (8) *Aspilota* ♀, not mtd, not 26
- A. (S.)* = 2, not mtd
- A. (S.)* = 2, not mtd, 1 ♂, 1 ♀, not mtd
- Dacnusa tabacis* 2 ♀♀, not mtd, 20.8.46, mounted in 10.9.46, not mtd
- D. areolaris* 1 ♀, not mtd

[No Aphididae, etc!]

Proctos 2: not mtd.  
Chalcids about 6: not mtd =

Taken or seen at 3.

- Bombus agrorum* 1 ♂, 1 ♀, seen 3 times
- B. lucorum* ♂ ♀ + 1 ♂, 1 ♀ of *B. lucorum* ♂, not mtd
- B. agrorum* several
- Cryptids 8: 5 mtd = *Microctonus* ♂, not mtd, 1 ♂, not mtd, 2 ♂, not mtd
- Phygadeuon* ♂, not mtd
- Aspilota* ♂, not mtd, 1 ♂, not mtd, 1 ♀, not mtd = 4 mtd.



8.9.46, cont. Royal Canal, KD, cont.

Taken at 3, cont.

*Pimpla brevicornis* 1 small ♀

*Glypta* sp. ♂, ant. 27. ♀, ant. 26. ♂, ant. 26  
rather small

*Chorebus areolaris* ♀, ant. 17

*Tetraneura ruficornis* 3 ♀, ant. 24

*Stenomacrus* sp. ♂, ant. 20

*Campoplex* 2 (♂, ♀) ant. 24

*Bracon anthracinus* 1 ♀, ant. 24

*Colastes braconius* 2 ♂, ant. 24

*Microcentrus neyricus* ♀, ant. 25

*Microplitis* *varicornis* 5 ♀♀

*D. capitata* 1 ♀, + *D. chlorocera* 2 ♀♀, small

*Pentapleura frontalis* 2 ♀♀, ant. 24

*Microgaster ruficornis* 1 ♂, ant. 24

*Orthocentrus* 1 ♀, very small, ant. 24

*Aspilota* & *Dacnusa* 11, same etc.

8.9.46, cont. R Canal, KD, cont.

Taken at 3, cont.

*Dacnusa pubescens* ♀♀ abundant on both

stems, 1 ♂, ant. 22, also a couple of very small

♀ with semi-tubercles, otherwise as above

Generally poorly colored specimens of this

*D. laevifrons* 1 ♂, 2 ♀♀ (possibly same as taken at the bank, 20.9.46)

*D. aphanta* 1, ant. 21. *D. elegantula* 1 ♀, ant. 24

*D. tenuis* ♂, ant. 25 (possibly same as taken at the bank, 20.9.46) *D. ruficornis* ♀, ant. 22

*D. leptogaster* ♂, ant. 24, not taken at all

*D. chlorocera* = *D. ruficornis*, 1 ♂, ant. 22

[Once more no *Aphidius*! & *Chalcids*!]

*Pimpla* 6, same etc.

*Chalcids* about 6, same etc.

*Cynipids* 3, same etc. Beetle - *Chalcis* 30, small, very small (20.9.46) same

8.9.46. *Hemiteles* 1 ♀, ant. 24, short body, ant. 24, small

*Trypeta* 2, 24-25, ant. 24, small

taken on water house, No. 11, Harold Rd., Harold Cross, Dublin



11th Oct 1946. A bit more fine long rain, with very glass & strong wind. Wind died away in afternoon, cold & plenty of sun left over.

Drove in afternoon to Ballyvaughan, bridge of Grand Canal, & walked up canal to Gyllinstown Bridge: 4 till 5.30 P.M.

Soil in the area, as follows -

- 1 = Layer of canal clay low part, especially the two "Lis-bogs", & edge of ponds. In the area Ballyvaughan, all between Lock & Gyllinstown.
- 2 = Pond, S. of canal & just W. of Gyllinstown Bridge: 1st & 2nd ponds.
- 3 = Third pond, just W. of station 2 & S. of canal.

Very few Halicictus spp. ♂♂ or ♀♀ seen, but 2.

Very few Scotodes seen & mostly agrippae & leucomelaena.

Insects taken at 1. [23 spp. & their relatives in "1949"]

Bethylus fuscicornis 1 ♂ at all

Alomyia debilitator <sup>1st ♂</sup> 1 ♂ on flowers of Mercurialis annua.

20th Oct 1946 1 ♂ at all

Loxostege nigricollis ♀, ant 32.

11.9.46, cont. Gyllinstown, C. DU, cont.

Notes at 1, cont.

Cryptus ♂ 4 spp. = Pygostolus 1 ♂, ant 26, 27, 28, 29, 30  
Stenobothrus 1 ♂, ant 26  
Mesochorus 1 ♂, ant 27

Lissonota 1 ♂, ant 26.

Cteniscus 1 ♂, ant 26.

Microgaster 2 ♂♂, ant 26, 27.

Leptocryptus 2.

Bracon ruficornis 1 ♂, ant 26, small-headed species.

Aphidius 1 ♂, ant 26.

Microgaster 1 ♂, ant 26.

Euclyptus cf. viridis 1 ♂, ant 26.

Blacus ruficornis 1 ♂, ant 26.

Bracon ruficornis ♂, ant 26.

Microgaster cf. viridis 1 ♂, ant 26.

Pentapleura cf. paucispinis ♂ + ♀, ant 26.

P. angustula ♂, ant 26.

Alysiina cf. contracta 1 ♂, ant 26.

Opomyza cf. scabra 1 ♂, ant 26.

Dacnusa cf. varicornis ♀, ant 26.



11.9.46, cont. Gollin, Iowa, D.V., cont.

Taken at 1, cont.

*Aspilota* 1♂, 3♀♀ = *A. ...*

*A. ...*

*A. ...*

*Dacnusa areolaris*, *logioides*, *maculipes* & *pubescens* (1♂) all rather rare. None mtd.

*D. cyclops* 1♂ not mtd.

*D. alpestris* 1♂, 4♀♀

*D. discolor*? ♀, ant. 22; otherwise distinct, small!

*D. ...*

*D. ...*

*D. ...*

*D. ...*

*D. ...*

*Chalcid* ...

*Chalcid* ...

*Ephedrus* ...

*Phaenocarpa* ...

*Ephedrus* ...

*Phaenocarpa ...*

11.9.46, cont. Gollin, Iowa, D.V., cont.

Beetle. ...

*Chalcid* ...

*Chalcid* ...

Taken at 2. [18 mounted from the 6th 22-11-46.]

*Lissonota* ...

*Cryptin* ...

*Pteronotus* ...

*Zygospira* ...

*Acrotaphus* ...

*Euclyptus* ...

*Meloboris* ...

*Bracon* ...

*Apanteles* ...

*Opius* ...

*D. ...*

*A. ...*

*Chalcid* ...



11.9.46 cont. - Gollinostan, DU, cont.

Taken at 2 cont.

*Leptopterna pumilio* 2 ♂♂, ad. all.

*Chrysopa carinata* 1, *truncatella* 2, ad. all.

*Phaenocarpa conspurcator* ♂, ad. all.

*Dacnusa areolaris*, *pubescens*, *cyclops*

*1 elegantula* 1 each, 1 new sp.

*D. lineata* ♂, ad. 20.

*Aspilota* 2, *pubescens* 2, ad. all.

*D. areolaris* ♂, ad. 20, 20.

*C. (Aspilota)* 1, *conspurcator* 1, ad. all.

*D. (Gyrocampa)* *affinis* ♀, ad. all.

*Chasmodon conjugens* 2 ♀♀, ad. all.

*Mesochorus canis* 2 ♂♂, ad. all.

*Triclistus* ♂, ad. all.

*Cephus* aff. 2 ♂♂, ad. all.

Proctos 5, 2 spp. =

Chalcids 10, ad. all.

Cynipids 3, ad. all.

Beetle *Aphidius fulvipes* (♀, ad. ♂, ad. all.)

Hemipteron =

11.9.46 cont. - Gollinostan, DU, cont.

Taken at 2. [120 mites found, this labelled as 120]

*Leptopterna* 2, *truncatella* 1, *1 elegantula* 1, *conspurcator* 3, 120.

*Glyptotendipes* ♀, ad. all.

*Pimpla* *horvathi* 1 ♂♂, ad. all.

*Microgaster* *lyttidiformis* <sup>1 ♂♂</sup>, *1 elegantula* <sup>1 ♂♂</sup>, *conspurcator*, ad. all.

*Triclistus* *pubescens* ♂, ad. all.

*Stenomacrus* *opacicornis* ♀, ad. all.

*Microgaster* ♀, ad. all.

*Opus* *canis* 3 ♀♀, ad. all.

*C. tricolor* ♂, ad. all.

*Adromachus* *decoloratus* ♀, ad. all.

*Leptopterna* *pumilio* 3, + *P. elegantula* 100 - *ad. all.*

*Phaenocarpa* *pubescens* ♂, ad. all.

*C. p. l.* ♂, ad. left.

*Dacnusa* *areolaris* 2 ♀♀, ad. all.

*D. (Gyrocampa)* *affinis* ♂♂, 2 ♀♀, *conspurcator*, ad. all.

*D. (G.)* *areolaris* 1 ♀, 2 ♂♂, ad. all.

*D. (G.)* *sticticus* ♂, 3 ♂♂, ad. all.

*D. (G.)* *lineata* ♂, ad. all.

*Chasmodon* *conjugens* 2 ♂♂, 2 ♀♀, ad. all.



11.9.46 cont. *gallinotona*, etc., cont  
Take 11.9.46 cont  
*Thymoloma* *caerulescens* 2 ♂♂, 1 ♀  
C. *luteipes* 1 ♂, 1 ♀

Rostr. 1 m. 2 *luteipes* ♀

Chalcid. none

15th Sept. 1946. A cold very windy day (W.) with  
showers, but all morning previous & all evening in  
afternoon (before rain set in) wind dropped in evening.  
In afternoon drove to Kiltred, Co. Wick &  
swept N. & W. side of corn field & trees, in same  
place as on 27th April 1946. Very windy, cold  
& grass & shelter very wet after a morning  
showers, but along shelter of hedge & trees on W. side  
of field very much swept.



15.9.46 cont. Oct field 1/2 mile E. of Kiltred, Co. Wick.  
*Phyllocolpa* *indefinita* ♀, ant 32; also ♂♂, with dark legs, ♂, ant 32; same ♀  
*Cynipid* *pellucida* ♀, ant 23.  
*Phygadeuon* sp. *luteipes* or *ipm* ♀, ant 22.  
*Cryptin* ♂ (2 kept).  
*Chalcid* *luteipes* ♀, ant 20.  
*Chalcid* or *Chalcid* ♂, white face, ♂, ant 26 =

*Chalcid* *flavicornis* ♂, ant 24.  
*Chalcid* *luteipes* ♀.  
*C. luteipes* ♂ - same as yellow face ♀ above, not mtd.  
*Glyptis* *reputandentata* ♀, ant 32. *luteipes* ♂, ant 32. *luteipes* ♀.  
*Phygadeuon* *luteipes* ♂, ant 22.  
*P. luteipes* ♀, ant 22.  
*Homocidus* *luteipes* group, large ♀ = *luteipes* group, ant 21.  
*Chalcid* of *luteipes* ♂, ant 26.  
*Leptocryptus* *marginatus* ? ♂, ant 32.  
*Chalcid* *luteipes* ♂, ant 24.  
*Phygadeuon* *luteipes* ♀, ant 27.  
*Leptocryptus* *marginatus* ♂, ant 32. *luteipes* ♀.  
*Chalcid* 2 ♂♂, 2 ♀♀. 1 ♂ (ant 36), 3 ♀♀ (ant 32 & 34) mtd. =  
" " " ♂, ant 35 & 32.  
" " " ♀, ant 34.



15.9.46, cont. Killed, G.D., cont.

*Cynipid* sp. ♂, ant. 14

*Spilota lateralis* ♀    *A. pallipes* ♀

*C. sp.* ♂

*Blacus ruficornis* 3 ♂♂, 1 ♀, all shot dead. }  
 (The 2 only with ant. 20-21)

*B. ruber* ♀, ant. 20

*Coelinius* sp. ♂, ant. 20

*Mesochorus* sp. ♂, ant. 20

*Spilota lateralis* ♀, ant. 25. }  
*C. ruficornis* ♂, ant. 20

*Blacus ruficornis* ♂, ant. 20

*Coelinius* sp. ♂, ant. 20

*P. fuliginosa* 1 very large ♀, ant. 26.

*Phaenocarpa leucida* large ♂, ant. 32

*Spilota* 3 ♂♂, 1 ♀, ant. 20. }  
*C. ruficornis* ♀, ant. 14

*A. ruficornis* 3 ♀♀, ant. 17-19. }  
*A. ruficornis* large ♀, ant. 17. }  
*A. ruficornis* 2 ♀♀, ant. 20.

*A. tenuis* ♀, ant. 17. }  
*A. picticornis* ♂, ant. 18. }  
*A. ruficornis* 1 ♀, ant. 17. }  
*A. ruficornis* 1 ♀, ant. 15.

*A. (E.) ruficornis* ♀, ant. 17. }  
*A. (S.)* ♂, ant. 20.

*A. (S.)* ♀, ant. 16.

*Dacnusa longicauda* ♂, ant. 20. }  
*D. longicauda* 2 ♂♂, 1 ♀, ant. 20.

*D. ruficornis* 2 ♂♂, 1 ♀, ant. 20.

*D. ruficornis* ♂, ant. 20. }  
*D. ruficornis* ♀, ant. 20.

*D. ruficornis* 1 ♂, ant. 20. }  
*D. ruficornis* 2 ♂♂, 1 ♀, ant. 20.

15.9.46 cont. Killed, G.D., cont.

*Dacnusa* sp. ♂, ant. 20

*Aphidius* sp. ♂, ant. 18.

*Praon* abundant.

*Chalcids* common. } none with ant. 20

*Cynipids* 2.

19th Sept. 1946 (Thursday).

Drove to Skerrin Bog, North of Killybeg, Co. Kildare, with Rev. H. M. Dunlop, in his car, to collect beetles. Success of my collecting on birds & in some tall grasses of *Scirpus* in field & in some tall grasses was successful in the. Left Town at 4.00 PM & reached the Skerrin Bog at about 12.05.

A dull day with drizzle from 2.00 PM but the day with stops collecting till 3.30 PM. After lunch, rain set in & we had lunch & the drive home via Kildare, reaching home 6 PM. evening collected for about 4 hours in hollow of field & willow scrub just beyond railway & about 1/2 mile N. of Killybeg on west edge of the great Skerrin Bog.

[107 mounted & then labelled 560-Bu.-1947]



19.9.46, cont. Skerries Bog, C. KD.

Bombus agrorum s. communis seen.

Psithyrus laticollis or near.

Vespa crassa s. scripta.

Hemiteles cinctus or near.

Bethylus cephalotes ♀ - H.

Ichneumon (s.l.) 1, 10s ill. mounted. Gasteriscus? Hymenoptera

Microgaster albicinctus 10, ant. 29, common, ♂, ant. 29

Pentapleura pedicularis or near, ♂, ant. 22, 23, 24, 25, 26, 27, 28, 29

Phyllocnistis citrella ♂, probably a citrella, ant. 39.

Aphidius fulvipes ♀, ant. 24.

Ch. of rusticator than ♂, ant. 23, sharp punctured abdomen!

Cryptinids 14 - 2 mts - Pygostolus 2♂♂, ant. 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30

Ichneumon fulvipes ♂, ant. 27.

Leptocryptus ♀ - small, ant. 24.

Phygadeuonid ♂, ant. only 10-12.

Hemiteles ♂, ant. 23. H. sp. ♀, ant. 20.

H. ♂, ant. 19. H. ♂, ant. 19. ♀, ant. 19.

Pimpla expansa ♂, ant. 24. mts. with ant. 24.

♂, ant. 23, 24; slightly dull orange-brown & not brown at post-clypeus on mts. on the back.

19.9.46, cont. Skerries Bog, C. KD., cont.

V. deceptor ♂, ant. 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

P. obliqua ♂, ant. 24.

P. ♂, ant. 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

P. ♂, ant. 25. P. ♂, ant. 27.

P. ♂, ant. 24. P. ♂, ant. 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

Phyllocnistis ♂, ant. 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

Pimpla deceptor 2♂♂, ant. 24, 25. Phygadeuonid ♂, ant. 20.

Hemiteles fulvipes ♂, ant. 23.

H. fulvipes ♂, ant. 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

Ichneumon fulvipes ♀, ant. 23.

Ichneumon fulvipes ♂, ant. 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

Ch. of rusticator than ♂, ant. 23, sharp punctured abdomen!

Trioxys of longicauda: 1♂, ant. 24.

Chlorionid of lunata: 1♂, small, dark legs, ant. 25.

Chlorionid ♂, ant. 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

Ichneumon? ♂, ant. 24 - lunata?

Ichneumon? ♂, ant. 24.

Ichneumon? ♀, ant. 21 =

Adelognathus fulvipes ♀, ant. 24. Phygadeuonid ♂, ant. 20.

Ichneumon fulvipes 3 mts. - fulvipes ♂, ant. 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

Ichneumon ♂, ant. 23 =

Anomalidid ♂, ant. 24 = lunata? ♀, ant. 20, 21



19 Sept. 1946. Skerrin Bay, Co. KD, cont.

- Crucian of obscurator* 2♂♂, ant. both 20.
- Spilargus* on 2, ant. 22. "on stem of grass" (ant. 21)
- Drosophila* *obscurator* (ant. 24); 2♂♂ (ant. both 20) *O. vicia* 2♂♂
- Agrotis* *undulata* 1♂; ant. both 20. Two (both 20) *Yponomeuta*
- Sigalphus* *floridus*? ♀, ant. both off. Tergite 2 smooth & pinkish.
- Trioxys* *viridis* var. *viridis* 2♂♂, ant. of 20 & 22, 1♀ (ant. 20)
- Apanteles* *sp. pallipes*? ♀
- A. retusus* ♀ with tergite 3 almost smooth?
- Blacus* *infrascriptus* 2♂♂, ant. both 20.
- B. lucidus* pup. ♀, ant. 17, but 23 on 1st & 2nd seg.
- Brachymeria* *albata* 2♂♂, ant. both 20, tergite 2 very smooth & shiny.
- Tanycompta* *ovata* 1♀, ant. 24.
- Tanycompta* *infrascripta* 2♂♂, ant. 20 & 22, 1♀ (ant. 20)
- [No other *Blacus* & no *Blacus* seen]
- Praon* *volucre* 1♂, 2♀♀, ant. 20 & 22, 1♀ (ant. 20)

Pteron: 11 only: all mtd.

*Chalcids* common: none mtd.

*Aspilota* 3: 1 mtd.

The *Blacus* with 20 ant. is *B. lucidus* & the one with 22 ant. is *B. infrascriptus*.  
 The *Blacus* with 20 ant. is *B. lucidus* & the one with 22 ant. is *B. infrascriptus*.  
 The *Blacus* with 20 ant. is *B. lucidus* & the one with 22 ant. is *B. infrascriptus*.

19 Sept. 1946. 5 or 6 in a day, with some rain. The wind fell to 11, when the temperature began to drop & rain closed off & fine evening.

Drive in afternoon through the Swift & Lambing to Courtyard Church, then turned left on to a stray road & stopped & collected for half an hour in a ditch under trees & hedges so that it could sweep. The hill called "Enisherry, Co. WI."

hunts swept on old road from Courtyard to Bray 7 1/2 mile E. of Enisherry Church, 3.30 till 6 P.M. [36 mtd. & then labelled 14.12.49 or earlier]

*Microgaster* 1♀ ant. 20. 1♂ ant. 22. pup. 2♀ ant. 18 & 20. other *Microgaster* 1♂, 1♀, ant. 20.

*Stenomacrus* *ventralis* 2♂♂, 1♀. pup. on 1st ant. 20

*Lathrolestes* *marginator* 4, ant. 27.

*Polyblastus* *infrascriptus* 2♂♂, ant. 20, 2♂♂, black femora =

*La. pupae* 1♀, ant. 24.

*Colastes* *bracconius* 2♀♀, ant. mtd.

*Blacus* *infrascriptus* pup. 2♂♂, ant. 20 & 22.

*Opius* *victor* Hal. ♀, ant. 23. *O. vicia* Hal. ♀, ant. 25.

*O. stenopus* m. ♀, ant. 24. also 2 others 24 ant. with smooth tergite 2, but apparently this species also; ant. both 24.







26.9.47 cont. Skerrin Bog, KD, cont.

6. *Aglyptinus* 1♂, but only 5 mounted =

Nonatae - 3♀, not mtd, dark wings, ant 21

14. 4. ♀, ant. 22. *Pezomachus* ♂, ant. 19

*Chrysochloa* ♀, ant. 16, wings

*Eretmaproctus* cf. *pallidus* ♀, ant. 18 (small wings) - ant. 18

*Proctos* on *Chrysochloa* 6 ♂♂, 2♀, ant. 19, 19, 19

*P. deflexus* 2♀♀ of very variable size (from 1.5 mm to 2.5 mm) - ant. 20, 20, 20

1. *Chrysochloa* ♀, ant. 16

*P. deflexus* ♂, ant. 19

*P. longipes* ♂, ant. 19

*Glyptis flaviventris* 1♀, ant. 20 = *trispunctatus* Harsh.

*Glyptis flaviventris* cf. *tuberosus* 3 ♂♂, 1♀, ant. 22, 22, 22, 22

*P.* cf. *tuberosus* ♂, ant. 20. *P.* (2) *variegatus* ♂, ant. 20, 20

*Chrysochloa* cf. ♂, ant. 19

*Proctos* *trispunctatus* Harsh. 1♀, ant. 50

*Homocidus pectoratorius* ♀, small, not mtd

11 *pallipes* 2 ♂♂, 1♀. 11 *lygatus* ♂, ant. 18

*Orthocentrus madidus* 2 ♂♂, 3 ♀♀: ant. 21

*Stenomacrus* cf. *morsus* 4 ♂♂, 3 ♀♀ (ant. 16-17) - ant. 17, 17, 17

*Chrysochloa* cf. *lucida* 1, ant. 22 (small wings) - ant. 17, 17

*Chrysochloa* 6. mtd ♂, ant. 26 = ♀, ant. 24, (ant. 21. 19) =

*Sphelidocryptus ruficeps* 1♂, ant. 20, 14, ant. 20 - mtd. ♂, ant. 20, 20

*P.* cf. *lucida* ♀, black, wings mtd, ant. 27 *Stalidus* 26.1.1947

26.9.47 cont. Skerrin Bog, KD, cont.

*Chrysochloa* *pathetica* ♂, ant. 23, ant. 20

*Chrysochloa* ♂, ant. 23, 1♀

*Chrysochloa* ♂, ant. 23, 1♀

*Chrysochloa* ♂, ant. 23, 1♀

*Chrysochloa* ♂, ant. 23

*Chrysochloa* ♂, ant. 23

*Chrysochloa* ♂, ant. 23

From house of *Bombus* & *Trichocera*  
 brought home in either the day or 2-10 →  
 taken on house on T.  
 emerged from June 1947; one ♀  
*Sphelidocryptus glaberrimus* on 7.6.47  
 (presumably from *Bombus* house) 1♀  
*Proctos* cf. *lucida*, on 20.7.1947  
 (presumably from *Trichocera* house) mtd

*Bracon areolaris* 2 ♀♀, ant. 22, 22

*Bracon areolaris* 1♂, ant. 19

*Bracon areolaris* 1♀, ant. 22, on *pathetica* ♂, ant. 23, but with yellow legs, it

*Phaenocarpa* "spirogaster" 1♀; also dead skin of *Phaenocarpa*

*Phaenocarpa areolaris* form - mtd, mtd, mtd

parasitized by *Phaenocarpa lateropostata* Wesm. (ant. 17)

*Phaenocarpa areolaris* ♀, ant. 22; also *Phaenocarpa*

*Eulophus areolaris* ♂, ant. 21

*Eulophus areolaris* ♂, ant. 21; post-petiole with narrow ?

*Phaenocarpa areolaris* 3 pale ♀♀, ant. all 17

*Phaenocarpa areolaris* ♂♀♀, ant. 20(1), 21(1), 22(1)



26.9.46, cont - Skerries Bog, W.D., cont.  
 Tenebrionidae - 200, 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

Chalcids 16 new mtd.

Beetles 2 new mtd.

Coccinellids, little Chalcids, Lepidoptera, etc.

Hemiptera - prasinus! legs from shield bug!!

29th Sept. 1946. A fine morning, but with gusty easterly gale, followed by a much duller afternoon & a gale dropped about 3 PM that rain fell in showers.  
 Left home, 2 am, about 11.30 AM & drove to Ballybuck, intending to go to Woodbank Hill, but as we arrived at Ballybuck the Antares refused to start & I had to push it over, so put it in gear & pushed it all well, but the petrol tank got off the main road & we had to manoeuvre it to the side of the road.  
 At Ballybuck road, there had been a fall of 1 PM & I collected after dark for an hour or so in a field & a bush scrub on cut away bog. Saw *Polia*, including 5 white, *Agrotis*, *Caper* & *periphrasa* & saw a *Lepidoptera* with a bog hole full of *Carex pseudo-cyperus*.  
 Wind too strong but a few insects & some *Lepidoptera* larvae swept & subsequently given to H.S.D. Kesteven.

Out run, bog, 1 mile W of Monasterevin, Co. Wick till 2.30 PM. (23 mtd. & two labels 22.12.1946!)

Beetles, etc. from 22.12.1946. *Scaphisoma* while having lunch. Also *Bombus* & *Andrena*.  
*Cratichneumon rufipes* ♀, ant. 24.







29.9.46, 4PM. Lanesdown, Co. KD., cont.

Taken at 2.

Cryptid 10: 2 mtd. = *Heritella pumila* (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)

11.11.46 4.00 PM

20.11.46 4.00 PM

*Stenomacrus* sp. 1 mtd. 29.11.46

*Leucophaea* ? 1 mtd. 29.11.46

*Blacus* sp. 1 mtd. 29.11.46

*Open* sp. 1 mtd. 29.11.46

*Leucophaea* sp. 1 mtd. 29.11.46

*Blacus* sp. 1 mtd. 29.11.46

*Blacus* sp. 1 mtd. 29.11.46

*P. sp.* 1 mtd. 29.11.46

*Capitulum* sp. 1 mtd. 29.11.46

*Dacnusa* sp. 1 mtd. 29.11.46

*D. areolaris* ♀, mtd. 29.11.46

*D. (Gyrocampa) affinis* 17, mtd. 29.11.46

*D. (Gyrocampa) elegans* 10, mtd. 26, 18, mtd. 26.

29.9.46, 4PM. cont. Lanesdown, KD.

Taken at 2, cont.

*Blacus* sp. 1 mtd. 29.11.46

*Blacus* sp. 1 mtd. 29.11.46

*Blacus* sp. 1 mtd. 29.11.46

*Blacus* sp. 1 mtd. 29.11.46

*Blacus* sp. 1 mtd. 29.11.46

*Blacus* sp. 1 mtd. 29.11.46

Blacus. 8. mtd.

3rd October 1946. A fine day with much sun but some westerly breeze & no rain. Left home in Ray H.M. Bentley's car at 10.30 & went over road to Skerret, Co. KD, & stayed there till 6 P.M., being carried at 12.40. Collected in three areas, as follows -  
1 = Birch & willow scrub at Skerret (see 1/2 mile N. of Killybegg map)  
2 = Scrub along between stations 1 & 3.  
3 = Scrub on E. of railway 1 mile N. of Killybegg, in same place as I collected on 19th & 26th Sept last.







3.10.46, cont. Sherrin Bog, KD, cont.

Taken at 2, cont.

Stenomacrus of 200, 249 (total 249) (all 22) all = 51 ants

Campoplex 299

Blechn ruficornis ♀

Gnathodan pusillus ♀

Dacnusa areolaris ♀, ant 26, ant. palpi

Opius areolaris ♀, v. large ♀, sculptured, ant. 22

Tetraneura rufipalpis ♂, ant. 21

Aspilota cf. pumilio ♂, ant. 21

Coelinius cf. tris? (10?), large, ant. 33

Ephedrus curvis ♂, the first of the species taken in action to my knowledge, ant. 11. See Atkinson, W.I. 1949, 1943.

Proctos - 10 : 1 mtd.

Chalcids 3 none mtd.

Cynipids 1 - not mtd.

Homoptera 2 = Stenomacrus longipennis, 200 (from WRAY G.)

3.10.46, cont. Sherrin Bog, KD, cont.

Taken at 3, this insect must have come from site 1 or 2

although ♀ taken at site 1, 2, 3, 4, 5 = ♀♀ [62 mtd from 3 + then labelled mtd. 1-10 at 25]

Stenomacrus 230 (249) (all 22) all = 51 ants

Stenomacrus 230 (249) (all 22) all = 51 ants

Stenomacrus 230 (249) (all 22) all = 51 ants

Stenomacrus 230 (249) (all 22) all = 51 ants

Stenomacrus 230 (249) (all 22) all = 51 ants

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Stenomacrus 230 (249) (all 22) all = 51 ants

Stenomacrus 230 (249) (all 22) all = 51 ants

Stenomacrus 230 (249) (all 22) all = 51 ants



3.10.46, cont. Skerrin Bog, N.D. cont.

Taken at 3, cont.

*Homocidus laticinctus* 1♂, 3♀♀, 15.11.46, not mtd.  
*M. shannoni* ♀, ant. 28. *M. pallipes* ♀, not mtd.  
*Centistes* 1♂, ant. 26, 1♀, ant. 29.

*Stenocryptus* 1♂, ant. 27. *St.* of *ant.*? 1♀, ant. 25.

*St.* of *ant.* 1♂, ant. 28, 1♀, ant. 27 (ant. 28), ant. 2♀, ant. 28, 2♂, ant. 28.

*St.* of *ant.* 1♀, ant. 23, black. *St.* of *ant.* 1♀, ant. 22. *St.* of *ant.* 1♀, ant. 22.

*St.* of *ant.* 2♂♂, ant. 22 & 2

*Mesochorus* 1♂, ant. 24, white  
1♀, ant. 25, black =

♂, ant. 24, white =  
M. 2-74  
♀, ant. 25, black =

*Pentapleura* 1♂, ant. 22

*Lathrolestes* 1♂, ant. 27, 1♀, ant. 27, 1♂, ant. 27, 1♀, ant. 27.

*Pentapleura* 1♂, ant. 27

*Lathrolestes*? 2♂♂, ant. both 29 = *L. ruficornis*? not mtd.

*Coenophanes* 1♂, ant. 25, not mtd.

*Proctos* 2, 1♂, ant. 28

*Mesochorus* 1♂, ant. 27, 1♀, ant. 27

*Pentapleura* 1♀, ant. 20

3.10.46, cont. Skerrin Bog, N.D. cont.

Taken at 3, cont.

*Bracon* 1♂, ant. 24, not mtd.

*Cylloceria* 1♂, ant. 25

*Rogas* 1♂, ant. 22, not mtd.

*Mesochorus* 1♂, ant. 24

*Stenocryptus* 1♂, ant. 27, not mtd.

*Centistes* 1♂, ant. 27, not mtd.

*Gnathochor* 1♂, ant. 27, not mtd.

*Mesochorus* 1♂, ant. 24, not mtd.

*Tanyocampa* 1♂, ant. 24, 1♀, ant. 24, not mtd.

*Pentapleura* 1♀, ant. 27, not mtd.

*Mesochorus* 1♂, ant. 26, [2 large ♀♀, not mtd.]

*Centistes* (1♂, ant. 27) 1♂, ant. 27, not mtd.

*Bracon* 1♂, ant. 27, not mtd.

*D. cyclops* 1, not mtd.

*Bracon* 1♂, ant. 27, not mtd.

*Ephedrus* 1♂, ant. 27, not mtd.

*Proctos* - 1♂, ant. 27 =

*Chalcids* 3 = none mtd.

P.T.O. →



3.10.46, cont. Sherrin Bog, KD, cont.  
Larvae of Lepidoptera & Trichoptera  
very abundant & brief examination of samples  
by beating & I by sweeping took the  
following -

Lepidoptera Larvae - *podiceps*, *Sallia nitella*,  
*Acronycta leporina* (2 yellow haired *Dactyl*)

Bee. *Sphex* *hyalinatus* etc

Softly larvae on *Crucians* & *Plantago*  
birds

Also on *Scabiosa* *maritima*

[Found larvae on *Salix* brought home this day, 1 *Helium*, 2 *Phygadeuon*?  
emerged on 11.7.1947 = ]

6th Oct 1946. A fine day, dull for most part,  
mild, with gentle easterly breeze after 3 pm  
dawned a drizzly night. Ruck & I left  
at 11.30 AM. To Gollinstown, a Grand  
canal, Co. DU., then around about 12.45.

Collected by sweeping in two areas, as follows -

1. Edge of canal just E of Gollinstown bridge  
& two grassy holes nearest bridge & E of canal.
2. Edge of 3rd grassy hole S of bridge & canal

They are largely Acheilini and all with locality data.

1461. Nov 61

They are largely Acheilini and all with locality data.

Row 1  
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100 } ...



*Our business policy* may be briefly stated. It is simply that you must be pleased, or you may return anything you buy from us and your money will be refunded without question.

*Postage* While we expect our customers to pay the postage we seldom send packages C.O.D. nor bother to bill the postage. We will appreciate it if you will note the stamps on your package and reimburse us for them. We prefer to feel that we are fellow collectors rather than merchant and customer.

*West Coast Collection* To those interested in a representative collection of west coast shells we will send 100 different species for \$15.00, or you may have 20 species for \$2.00, and we will send sets of 2 specimens of each. They will be carefully classified to the latest nomenclature and accompanied by accurate and dependable locality data. All specimens will have been taken alive. You will get no beach worn bones from us.

### *Check List of West North American*

*Marine Mollusks* Every species from San Diego, Calif-

-ornia to the Polar Sea is listed. The distribution and other data is not given but the species are numbered to facilitate exchange or purchase by reference to the numbers without the necessity of listing the complete names. Some collectors regularly order additional copies to mark and send to foreign exchange correspondents. \$1.00 per copy.

Our price list of all west coast species is based on the numbered check list mentioned above.

*Microscopic Species* Many genera and species of mollusks are fully adult when measuring but a few millimeters. The comparatively few students who know and study them through a microscope find them more perfectly formed and more beautiful than their giant cousins. In order to encourage more of our friends to take an interest in the very small we offer a series of 10 microscopic species classified for \$1.50. Hundreds of others are listed in our check list.

*Philippine Land Shells* We continue to receive shipments of these beautiful showy shells, but unfortunately many of them in small lots that do not warrant listing in a catalogue. Most of them are in the genus Helicostyla and the best of them sell for around 50¢ each, some of the more abundant species for less. We will be pleased to send you a box of these shells all with careful locality data and you may return any duplicated or not wanted. Or better yet send us a list of what you have of them if any and we will submit others.

*Tree Shells of Hawaii* We have a large and very fine stock of these colorful shells which we can offer at prices from 10¢ to 25¢. A series will be sent on approval to those interested. They are largely Achatinella- and all with locality data.



Row 1

- 1. } *arabae* (14.4.37) ...
- 2. }
- 3. } *tricus* (10.3.37) ...
- 4. }
- 5. } ... pond, ST. (2) 26.4.41
- 6. } ... (15) 2.7.41
- 7. } ... (12) 25.6.41

Row 2

- 1. } ... (2) 2.7.42 ... Ant. 28
- 2. } ... Ant. 31
- 3. } ... Ant. 27
- 4. } ... (2) 23.7.42 ... Ant. 32 + 31
- 5. } ... (1) ... Ant. 28

Row 3

- 1. } ... N. Bell, DU
- 2. } ...
- 3. } Nixon 14.1.47 ... A.N.S. (3) 2.8.44
- 4. }
- 5. } The Island, DU (1) 10.6.43 ... Ant. 28
- 6. } (1) 16.6.43 ... Ant. 29
- 7. } (1) 22.7.43 ... Ant. 28

...  
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Hymenoptera records.

Ephedrus <sup>brevis.</sup> pecticornis ♂ St. Ives  
Yorks. W. D. Hincks. 13.5.44.

Proterops nigripennis ♂  
Bratloe, Co. CL. C. W. Allen. 6.8.44.

Bombus agrorum. Corbally, Co. LK  
C. W. Allen.

Argy cyanea : 2♂♂, 1♀ (Bratloe?) Co. CL.  
C. W. Allen. 7.8.44.



Collected for me by R.C. Faris (of Bawn) when on holiday at Bundoran, Oct. 1946.

6 Oct 46. Swept on shore of Lough Gill, at Doonee Rock Co. SL. (at the spot where I took the type ♀ of Aspilota macropus on 15.10.1937, Faris being also one of the party on that occasion! A.N.S. 7.2.1950).  
Pezomachus sp. ♀, ant. 20. Stenomacrus macula ♀, ant. 24.  
Coenobius leucocera ♀, ant. 26.

Aspilota petiolaris ♀, ant. 24. Type! S. & G. 8.2.1950. Possibly var. of petiolaris.

A. cf. mammilata? 2♀♀, ant. 21, 22. Not typical & possibly a closely allied sp.

A. cf. scimella ♀, ant. 20, tergite 1 & 2 red. Not typical!

A. dentifera ♀, very fine specimen, ant. 19.

Proctos. 4, including 2<sup>♀♀</sup> of an interesting looking species with small wings.

11 Oct 46. In wood at Glanic Bawn, Mullaghmore, Co. SL.

[The locality is the plantation around the house & adjacent

(to the north of) Travalus, where there is an anemone.  
 A.N.S. 1950.]

Plectiscus curvicauda ♀, ant. 38.

Stenomacrus affinis? ♀, ant. 21.

Aspilota rufipes? ♂, ant. 23.

A. fuscicornis? ♀, ant. 17.





Antirrhinum sp. n. ?



3.10.46, cont. Skerrin Bog, KD, cont.  
Larvae of Lepidoptera & Trichoptera  
very abundant on bank overlooking Dublin  
by cutting & I by sweeping took the  
following -

Lepidopteron larvae - *pubescens*, Sallow Kettle,  
*Acronycta leporina* (2 yellow haired 'beetles')

Bee. *Sphex*, *hyalinatus* etc

Small larvae - *Crucianella*, *aphanta*,  
*Bombus*, *Trichoptera*

*Abia* on *Salix* *maritima*

[From a larva on *Salix* brought home this day, I believe, *Phygadeuon*?  
emerged on 14.7.1947 = ]

6th Oct 1946. A fine day, dull for most part,  
mild, with gentle easterly breeze after 3 fine  
days & a drizzly night. Rush & birch  
at 11.30 AM. In Gollinstown, on Grand  
Canal, Co. DU., there arrived about 12.45.

Collected by sweeping in two areas, a follows -

- 1. Edge of canal just S. of Gollinstown Bridge  
- two grassy holes nearest bridge & S. of canal.
- 2. Edge of 3rd grassy hole S. of bridge & canal

6.10.46, cont. Gollinstown Bridge, Co. DU.,

Taken at 1. [19 mounted from - this includes 20.10.1946]

Cryptinids 12: 4 - small - *Hemiteles* etc, etc  
*Hemiteles* etc. *Pentapleura*, etc. etc. etc.  
*Selys* etc. etc. etc.

*Promethes sulcator* etc. etc.

*Hemiteles signatus* ♀ *Hemiteles signatus* ♂, ant. 20

*Stenomacrus* *maculatus* ♂ with small, ant. 15.

*Gonotypus melanostoma* ♀ *Gonotypus* ant. 20.

*Sigalphus* cf. *flavipes*? ♂, ant. date? *Sigalphus*, ant. 20, legs 3 segments

*Opius caesus* ♀ - ant. 20.

*Pentapleura pumilis*, large ♂: ant. 20.

*Allona contracta* ♀: ant. 20.

*Phaenocarpa conspurcator* ♂ & ♀ of common, the latter  
in conspurcator: ant. 20.

*Cirpilota* sp. 5, 9 all mounted, = *C. dentifemur* ♀, ant. 20

*C. nigrescens* ♂, ant. 20.

*C. (Spalden)* ♀ - ♀, ant. 18, legs 1, ant. 10.

*C. (S)* ♂ - ♂ ant. 20.

*C. (S)* ♀ - small ♂, ant. 18.



6.10.46, cont. Yellineston, D.V., cont.

Taken at 1, cont.

- Diapriids* *areolaris* ♂ + ♀: not mtd.
- D. putrescens* ♂: not mtd.
- D. cyclops* ♀ at 1st quarry hole: not mtd.
- D. newcastli* 1 beautiful ♂ at edge of canal 10 yards from bridge & SW of same. Oct. 22.
- D. strigata* 1 ♀: not mtd. body; not mtd.
- D. sp.* ♂: not mtd. perhaps new species?
- D. (Gyrocampa) alpinus* ♀: not mtd.
- Aphidius* spp. 6: mostly ♂♂, none mtd.

Proctos. 4: 3 mtd. =

Chalcids 3: 1 mtd. =  
 Cynipid 1: not mtd.

Blue Butterfly (scissors) seen in grass!

Taken at 2. [8 mounted from 2 & the labelled 24 & 20.]

- Phaenocarpa* cf. *stipator*? ♀, ant. 24.
- Alucalodes* sp. 1, small, 20 segs, ant. 19.
- Euclyptus* 2: not mtd.
- Promethes dorsalis* ♂: not mtd.

6.10.46, cont. Yellineston, D.V., cont.

Taken at 2, cont.

- Stenomacrus* spp. 2: not mtd. (one small, one large)
- Blacus ruficornis* ♀.
- Opius crenus* ♂.
- Aspilota ruficornis* ♂: not mtd.
- G. (Gyrocampa) sp.* ♂, ant. 28, rather pale, 28 segs, ant. 28, 2-seg. legs, etc.
- Diapriids* *areolaris* or small *areolaris* ♀: not mtd.
- D. longiradiata* 2 ♂♂: not mtd.
- D. confinis* Hult. ♀, with sternum 1: not mtd.
- D. stegantata* 2 ♀♀: not mtd.
- Aphidius* sp. ♂: not mtd.

Proctos. 2: 1 mtd.  
 Chalcids 1: not mtd.  
 Cynipid 1: not mtd. (large)



9th Oct 1946. A fine sunny morning & forenoon, with  
windy, E-NE keen wind; afternoon with  
dull with lowering clouds - almost like the ~~the~~ new  
clouds! - wind stronger than in:

In afternoon drove via Hillside, Bell Busk &  
Blessington to Glending before night any  
chatter in Glending about the latter & very  
much on Wicklow side in vicinity of old  
wood (now plantation!) on ash oak, etc, but none  
taken on new comparisons: Filled on ash oak here  
3.30 to 4.30, but wedges very troublesome, so  
returned to marsh at NW end of the overflow  
channel, in L. KD, & swept flooded edge of  
pond & drain under hedge W of pond, 4.30 - 5 PM.

- 1 = Wood on Wicklow side of Glending
- 2 = Marsh, drain & field on Kildare side  
of Glending overflow channel 2 miles NW of  
Blessington.

(26 wood & forest) + 4 new labels 50 + 1950

9.10.46 (1) - Glending wood, Co. WI

*Microctonus* *Bumelia* ♀, ant. 20.

*Mesochorus* *fabricator* ♀, ant. 24 + almost entirely testaceous!

9.10.46 (2) cont. Glending wood, WI, cont.

- Cryptinids* in all 4 ♀♀, including *Leptocryptus* <sup>at all.</sup> *sericeus*?
- Microctonus* of *puber* = 8 ♀♀ (small), 2 small, the *Microctonus* <sup>1034</sup> *sericeus* <sup>not all.</sup>
- Pimpla* *fulvipes* ♂♂, ant. 24 & 25. ♀
- Pimpla* *populi* ♂, ant. 26.
- Orthocentrus* *radiatus* ♂, ant. 24.
- Stenomacrus* *sericeus* = 2 ♀♀, ant. 21 & 22
- St.* *reticulatus* 2 ♂♂, 6 ♀♀; in death cloud ant. none etc
- P.* *reticulatus* ♂, ant. 26.
- Microctonus* *phycis* ♂, ant. 27, testaceous, ant. 27.
- "*Microctonus*" *truncatus* 8 ♀♀, 2 small, ant. 27 & 28; no small!
- Microctonus* ♂ ♀, ant. 20 = ♀ of *gambus* "near *calceus*", pale ♀♀ bodies.
- Colletes* *braconiae* 2 ♀♀, on ash oak 29. sep. retinac. a very  
large & full, developed specimen!
- Colletes* *flaviventris* ♂, ant. 27. *Pleurocampa* *compuncta* ♀ <sup>not all.</sup>
- C. hirticornis* ♂, ant. 31, very nice specimen!
- Cryptinids* of ♂ = *C. illucis* = 2 ♀♀, ant. 20 & 24; very nice specimens <sup>2 of the other</sup>
- C. mutator* = 1 ♀, ant. 25, but propodeum small - rather than small!
- C. f. proserpin* 2 ♀♀, ant. 18
- C. f. ?* ♀, ant. 17, with slender 2.0. ant. 21; small propodeum, etc.
- C. fasciatus* 2 ♂♂, ant. 16 & 17.
- C. pectoratorius* ♀, ant. 16.



9.10.46(1) cont. Glendy wood, Co. WI., cont.  
*Dacnusa lacinipectus* (or *melanura*) 14 all ♀♀, 1 small  
*D. longiradicis* ♀ ♀♀, one large ♀, 1 ♂, 1 small  
 Proctos. very common, especially *Platygaster* (?)  
 Cryptinid sp. of *D.*, long *ovoid*: seen by  
 G. S. Nixon: see his letter of 9.10.46.  
 = *Cryptinid* *ovoid* Nixon 1940 = the fellow with the long *ovoid*  
*Chalcid* 5

9.10.46 (2) Glendy wood, Co. WI. (Notes for each  
label: 1.2.50  
on index)  
*Pezomachus rufipes* 1 all ♂♂, 1 small  
*Opius erugator* 2 ♂♂, 1 ♀, 1 small  
*Alloea contracta* 2 ♂♂, 1 ♀, 1 small  
*Phaenocarpa lucida* ♀ taken in drain with *Opius* *erugator*  
*Aspilota* (*Gnathos*) sp. ♀, ant. 7. *Aspilota dentifera* ♀, ant. 20.  
*Dacnusa areolaris* (28), *D. lacinipectus* (14), *D. maculipes* (10, 12) small  
*D. longiradicis* (10, 28), *D. albipennis* (24), *D. dimidiata* (14), ant. 20.  
*D. aphanta* (14), 1 ♂, 1 ♀, 1 small: prop. Nixon, 18 (labelled  
 1 ♂, 1 ♀, 1 small: prop. Nixon, 18 (labelled 1940))  
*Aphidius* sp. 3 ♂♂.

13th Oct 1946. A fine but entirely cloudy day with  
 east wind, but not too hard. The sun  
 out. In afternoon down to P. Canal & off  
 car at back of site W. of Lewis Bridge & walked back  
 along canal where good catches. Collected in  
 in this place: — Royal Canal, Co. KD.  
 1 = W. edge of field W. of Lewis Bridge & below  
 canal & Heyworth road, here used grassy thicket, etc.  
 2 = side of two paths from station 1 to W. end  
 of well enclosed plantation, especially on edge of well  
 & off at back, etc.

Royal Canal, Co. KD.

taken at 1. (mounted from 1 then labelled as 20?)  
*Chalcid* sp. 2 ♂♂, 1 small  
*Opius erugator* ♀, ant. 21.  
*Aspilota* (*Gnathos*) 1 ♀, ant. 20  
*Phaenocarpa* sp. ♂, ant. 24. (1 ♂, 1 ♀, 1 small)  
*Phaenocarpa* sp. ♀, ant. 19. *Aspilota* (*Gnathos*) 1 ♂, ant. 20  
*Blacus ruficornis* ♂, with *erugator* in jar, ant. 21  
*Aspilota* (*Gnathos*) sp. ♂, ant. 20  
*Alloea contracta* ♀, ant. 20.  
*Phaenocarpa ruficornis* 1 large ♀ & 2 smaller ♀♀, ant. 20.



13.10.46, cont. Royal Canal, Co. KD.

Taken at 1, cont.

- Aphidius* *trivialis* ♂, large, ant. 22
- Aphidius* *trivialis* ♂, ant. 18
- Dacnusa* *pubescens* ♀, ant. 21
- D. longipes* 1 ♀, *D. longipes* 1 ♂ with ant.
- D. maculipes* 1 ♀, rather pale legs, feet ant. 21, white
- D. aphanta* ♀, ant. 21
- Aphidius* sp. *trivialis* ♂, ant. 22, 21, 21
- Proctos 6, none mtd

Chalcid ♀, included & mtd with large yellow pupa of which one mounted as *Meloboris*?

Cynipid 1, not mtd.

Taken at 2. [9 mounted from 2 & then labelled 3.2.1950.]

- Cryptine ♀, included, *Stenomacrus* *simplex* ♀, ant. 21
- Stenomacrus* sp. ♀, ant. 21, 21, 21
- Acrodactyla* *dyani* ♀, ant. mtd.
- Stenomacrus* *reticulatus* ♀, ant. mtd.
- Encyrtus* sp. *labialis*? (♂?), ant. 26, feet black!

13.10.46, cont. R. Canal, KD, cont.

Taken at 2, cont.

- Aphidius* sp. ♀, ant. 21
- Aphidius* *trivialis* ♀, ant. 21
- Phaenocarpa* *superba* ♀, ant. 21
- Aphidius* *trivialis* ♂, ant. 21, 21, 21
- G. (Euclyptus)* *caudatus* ♀, ant. 20, 20, 20
- Dacnusa* *stramineipes* ♂, ant. ♀, ant. 27
- D. pubescens* ♀, ant. 25

Proctos 14, none mtd

Chalcids 2, 1 of which one with yellow ornamented head mounted &

16.10.46. Museum of London Group. Labeled from specimens sent by Dr. Fox from Dublin, Ireland. 10.10.50

16th Oct 1946. Many dull days, mild, with east breeze in Dublin, but practically none in Co. Wick.

In afternoon drove to L. Bohernabreena, near west of P. Dunmore, & left car without getting out of gear round upper margin & back to car.

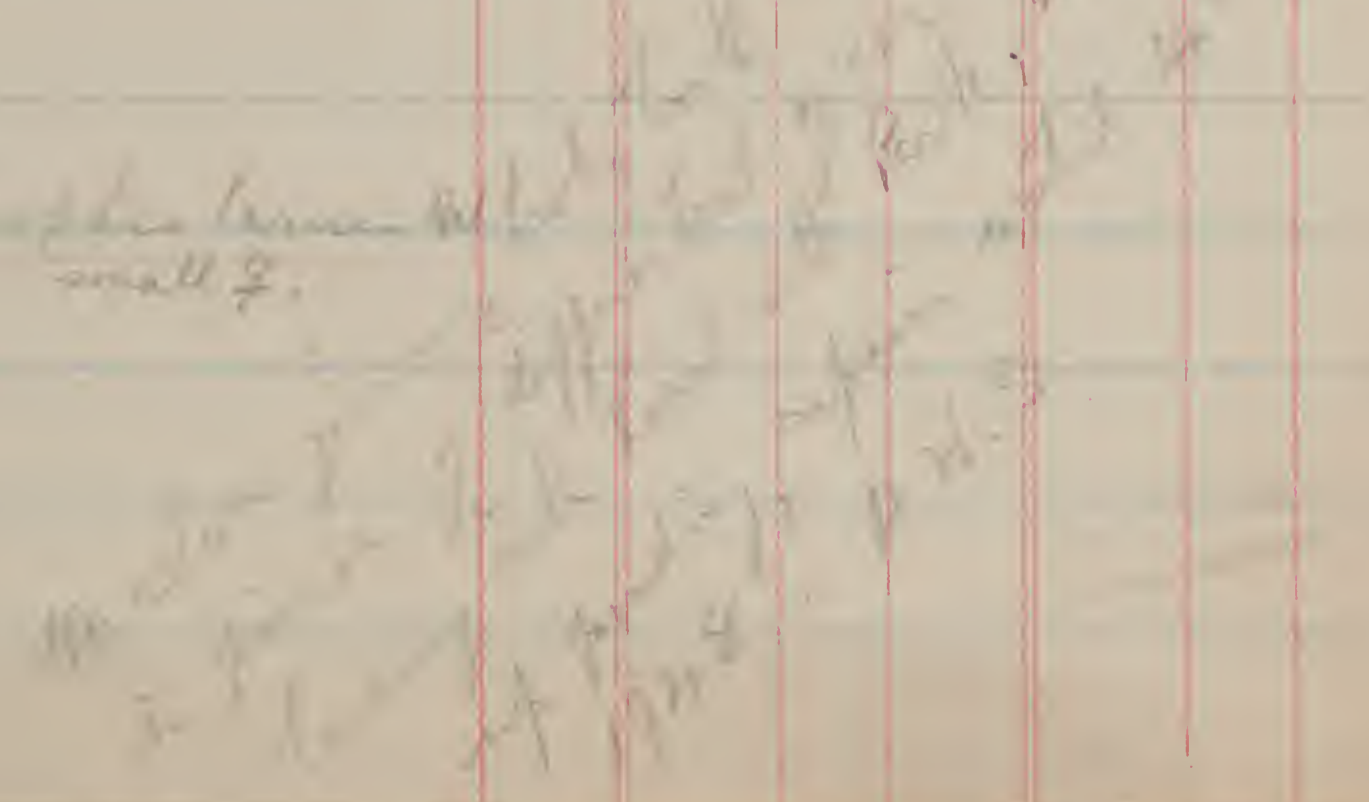
Sample a little lower than a water level, along path beside lower margin. *Cryptine* common but next *Stenomacrus* *Dacnusa* & *Proctos*.

[20 mounted & then labelled 3.2.1950.]



16. 10. 46, cont. Glen vale, Co. Dll., cont.

- Hoplisma bifidum* ♂, ant. 39.
- Stenocranus* & *Microgaster* 3 ♀♀: 1 smaller = *Hoplisma* sp. <sup>2.10</sup>
- Stenocranus* *ventralis* abundant; 2 ♂♂, 5 ♀♀: 1 male not all.
- St.* sp. 2 ♂♂, 2 ♀♀ = *St.* cf. *minuta* (♂ ant. 36), (♀ ant. 34).
- St.* cf. *reflexus* 1 ♂, 1 ♀, ant. 21 & 20, respectively; but 1 ♂ not all!
- Homocidus pectoratorius* ♂, ant. 30
- Polyblastus* ? 1, ant. 30
- Exochus* cf. *E. 4* - ant. 32. *Microgaster*?
- Meteorus ictericus* ♀, ant. 32. *Pentapleura* ♂, ant. 18.
- Phaenocarpa ruficeps* ♀: not all. *C.* *tumida* ♂, ant. 18.
- Phaenocarpa ruficeps* ♀, ant. 37. *C.* cf. *C.* ant. 23, partly *C.* <sup>small ♀</sup>
- Aspilota* sp. 6: 4 mtd. = *A. mamillata* & 1 mtd. ♀, ant. 22.
- Dacnusa* *caesia*, *laevipennis* & *longicauda* (1 mtd. ♂, ant. 24).
- D. algeriensis* 2 ♀♀: not all. *D.* *pubescens*, small ♀, long body ♀, ant. 24.
- D. confinis* 1 ♂, ant. 23. *D.* *caesia*, ant. 22, large ♀. <sup>ant. 22</sup>
- Cephus* sp. 1 ♂: not all.
- Proctos* 6: 2 mtd. = *Leptocryptus* *lanceolatus* <sup>small ♀</sup>
- Chalcids* 3: not all.
- Exochus* sp. 1 ♂: not all.



16. 10. 46 to 21. 10. 46, cont.

Very cold, dull, misty days. No sun at all. Windy, especially that of 27th. Did not collect anywhere but saw a *Bombus agrorum* in front garden at Glen vale on Sunday 27th. I took the by-roads in back garden, as follows: B, Harold's Cross, Lullin, & follows: On 26th Oct while working in garden took a ♀ *Proctos* - mainly on a *Manisuris* which found to be *Exochus*. And on 20th Oct took a ♀ *Aspilota* on a *Manisuris* on a sheet on the clothes line (in sun).

2. 11th November 1946. A heat wave arrived suddenly on night of 2-3-30th (following quite a cold spell with "melted snow" showers on 15th & 16th & a 53.13.C. announcement that temperature on Hallow's eve in New York was 84°!). Many insects must have been out on these days but I was on duty in museum on 3rd (Sunday). During lunch on 2nd I watched a Small Tortoiseshell Butterfly sunning itself on front lawn & on 24th at 1.45 a very fresh ♀ *Bombus agrorum*, with all black abdomen, sunning herself on wall of water house in back garden.



Nov. - Dec. 1946.

Mostly very wet weather & important for my natural history work, so all my notes consisted of what rained on the road. No real cold spells, but several nights frost. Later the wet spells, & some rain clear many days. Paul Helweg-Jensen came to stay for a week (from Copenhagen) to discuss *Heteris nimbicola* & see my bird series of this island, but proved more interested in getting himself an outfit of clothes, as the Danes had been very badly off for winter goods, etc., during the war.

George came home on 25<sup>th</sup> Dec. - "demobbed" from R.A.F. & stayed over Xmas before going north to his car, temporary, just under Northern Government, in Belfast.

Patents papers at Telegraph Office out about beginning of December (sent date at old) the only not. list. event of the period.

1947.

No. 1. Earthly man. Lapsed & falling from when first appeared on 13<sup>th</sup> Jan. 1947.

Jan. 1947. The year opened just as 1946 ended with floods of rain, mostly cold, & continued till the sunny days. During April Thunder & light Thunder commenced to ring generally & by 10<sup>th</sup> January was singing. Our first Snowdrop in flower on 10<sup>th</sup> January, but also under driving snow & ice only just showing their noses above ground - probably due to being having "disturbed" the soil diggers the plot in Oct. Crocuses all well up & one had showing yellow in first week of January, but no further on 10<sup>th</sup>. Baffled & Hyacinth leaves showing in both first & back garden. Daphne blagayana in back garden about in flower [but did not flower until April '47].

Many reports of Waxwings in the British Isles December & a few from Ireland (Dublin, Galway, Cork & Mayo) on 10<sup>th</sup> received a pair from Mrs. M. S. Stokes, 54 York Road, Killybegs, saying that B-7 had been in her garden for



January 1947 cont.

*[Faint handwritten notes at the top of the page, possibly bleed-through from the reverse side.]*

a couple of weeks & went to know what they were  
her description being obscure. I found Very Rev.  
P. G. Kennedy, S.J., who went down that  
afternoon & in spite of gale & rain saw seven  
feeding on leaves in her garden.

23<sup>rd</sup> January 1947. G. J. Kennick (Meadow Farm)  
came to stay to examine *Helix* & type &  
a quantity of *Coturnicella*.

G. J. Kennick returned to headwater on night  
of Thursday 30<sup>th</sup> Jan.

1<sup>st</sup> Feb 1947. On the night of (Sat-Sun) (Sat)  
heavy snow fell - Dublin with light rain in  
morning (Sunday) in rain gale overcast up to 9 AM  
with wind & after about midday sun began  
to show & by evening sun shining brightly, but  
frosts & mist were cold not warm.

3<sup>rd</sup> Feb. P. these remains & by evening every place  
was blank & by 4<sup>th</sup> traffic was normal.

7<sup>th</sup> Feb. Very cold, with little still doing - snow  
& Sunday's snow still lying in garden &  
on roofs about Harold's Cross.

After snow had melted in front garden on 5<sup>th</sup>

Feb 1947 cont.

There was considerable snow on 6<sup>th</sup> for first time for a  
long period & at midday on 7<sup>th</sup> there was one yellow  
broom by gate to front gate - full bloom but with  
open & low dull. Presumably the snow was  
& the melting & sun had acted as a tonic  
on the broom, though other around about  
it remained uncoloured, as they had been before  
the snow.

Threat danger due to my Mediterranean. Most  
plant, an *Arbutus* in Grosvenor St, K.B. way  
& S. Park, 0° 0° - Harlow from 10<sup>th</sup>,  
all of that was broken down by night of  
snow, but in at a day to two days.

9<sup>th</sup> Feb. Snow fell early all day but by 10 AM  
lay & nearly all gone by midday on 8<sup>th</sup>, but  
in cold, with little with wind 5-10 feet  
about freezing point continuing till 10<sup>th</sup>, when some  
sun during afternoon. Still with day in snow  
& snow lies due to snow on foot, or that  
of snow in garden & on a roof. (For example  
of 2<sup>nd</sup> Feb.) still plentiful in Harold's Cross & now  
now - Rathgar on 16<sup>th</sup>.



19th Feb 47 Still cold, but bright periods & some sun during day, with light snow showers in forenoon but of no consequence. Walked to Denton & up Radder to Small Bridge above the Rattigan when passing. The Gable in Small Rd, saw one first Charming in tree of *Coleridgea frigida* just inside garden gate ~~under the tree~~ & stopped to watch it at 5 yards range, then a second appeared, then a third & finally a 4th & 5th, which there at one slow range for minutes & then saw red nose hole & end of wing of one bird.

The number of first appears the way to the same place seen by Tomkins, Fotheringham, Tom Mully, Wigham & Mrs Rait Kinn, in Kenilworth Square a few days earlier.

20th - 22nd February 1947. Very cold with light snow & frost continued over Brit. Isles & on 20th 25th the wind blew from SE, with gale force, with gusts from SE & lasted well into the night, leaving snowdrifts buried in 6 to 12" inches of snow & drift all over the country. 23rd - 25th were bright sunny days, with very hot sun & very hard frosts at night. Wind N-NW-N & light to nil.

1st 2nd March 1947. Some bright frost, with occasional snow showers of 4th, also SE gale when freezing point indicated sign of a general thaw. The yellow Crocus in front garden which are ready to open on 28 Feb were the first thing to appear through the snow on 1st March & still in snow condition on 2nd Feb. During the interval it had been clear since <sup>by snow</sup> the time they had come out again. A second led by the first joined it & a third shown by 4th. The terrestris appeared continued the road up trees during the interval of being buried by snow. The Diaphne laureola at foot door, ready to flower at end of January, look very blighted by snow & frost & flower not yet open. All plants of Sax. spp. still under surface of snow on 4th. One plant of Chionodoxa with leaves of them at Thymus, was more well exposed to wind, was well but only one remaining on the date (10th).

10th March 1947. Further cleared on night of 9th 10th & some steady rain removed most of the snow. All 12th March. Dull, with SE wind & light rain & damp with snow & sleet on 12th - light & dry with drizzle. All snow under 100. Snow now gone or about on 2 May. Prunella (Yellow) now out - first garden. Second & 3rd have now out under driving rain & wind. Ch. first garden - now clear & flowered before had water on 10th Jan, so that these have remained in cold & dry as it was for 2 months.



13th & 14th March 1947. Cold weather with snow on hills & rain in the valleys until 15th in the form of sleet & rain. Full moon & stars visible but not bright beyond the horizon. Windy with rain & sleet from 10th to 14th, gradually all night & the morning. Snow on hills & in the valleys, on 15th with a heavy snow from 10th to 14th, about 50-60 inches. In the evening snow after Sunday morning (the wind backed from E to N. & the NW) for all of 15th & 16th. The snow depth about 10 inches. In the morning after I walked home, about 5.30 AM. I caught a flycatcher which flew from NW. It was on a leaf & I put my hand over it. It was white but the wing was black. It was on a leaf of a tree. I put it in a jar & it died. I put it in a jar & it died. I put it in a jar & it died.

15th March 1947 - 24th March. Swans on Grand Canal about 10th to 14th. They were in the water & on the bank. I did not see any swans on 15th. I did not see any swans on 16th. I did not see any swans on 17th. I did not see any swans on 18th. I did not see any swans on 19th. I did not see any swans on 20th. I did not see any swans on 21st. I did not see any swans on 22nd. I did not see any swans on 23rd. I did not see any swans on 24th.







24 April 1947, cont.

the mounts of Glen Sheela Mt., Doonbeg & Kippure. Heard no migrants, though I had some at 5 PM. Should have noticed a Bliffcheff to my left but I was not looking for it. No sign of any other birds on the ground at any place. Hazel catkins nearly gone for next part, but no willow catkins out of road since Mr. Gorman. If in doubt a soft rain spell would be coming the next week or two if that should come.

24 April 1947. A fine cold day with NW breeze. A m. at 10 AM in afternoon. Good Friday.

In afternoon took car to Ballinacorney at about 3.15 & walked to the summit of Glen Sheela (The Pine Forest) & back to Ballinacorney to collect a few more. Large drifts of snow still on hills & by road. In almost done to Ballinacorney. Glen Sheela not much changed since I was last at there - about ten years ago. I should report working later in year. In spite of the Forest Plantation of conifers on southern slopes above it.

5th April 1947. A day of gale & rain from SW clearing about 4 PM, with sun for about an hour. Small amount of rain at evening. Glen Sheela Mt. & Ballinacorney Rd. very much overcast - about rain in the late afternoon in previous year. No other clouds, none out in sun! *Salix virens* in back garden now out & fresh. One of flowers on all plants of *Salix oppositifolia* now going over. First flower on *Viola odorata* in back garden & shot off in full. The downy plants of *Polygonum viviparum* & *Polygonum minus* [for *Polygonum minus* at some places].

6th April 1947. A wild day but mainly sunny & dry with slight drips of rain in late afternoon. Wind W & of pale force. In afternoon walked from 5th Ave to Greenlith & then by Tyrona Gully to Foulness & then home via Torrington.

Saw *Viola odorata* out in large W. Tyrona Gully & in hedge by stream. Noted a Bliffcheff for some time, but it would not call, in evening, the one spot in one hollow seen on 25th Feb 1947, but the latter seems very too uncertain to record in evening. Only get a brief & uncompleted look at the bird. 7th April. Saw 3 or 4 Bliffcheffs probably commoner than!



8th April 1947. Had some rain in the night & a light drizzle in the morning (Frost today) 1st. On afternoon of 8th I went to the garden to see the *Salix caprea* in back garden, the tree is in flower. At 2.30 on 10th I went to the garden to see the *B. lucorum* in the garden, it is in flower. At 7.0 & 8.0 PM (S.T.) 4.99 *B. lucorum* was in flower in the garden. On 9th I went to the garden to see the *B. lucorum* in the garden, it is in flower. I walked up road past R.P. Chapel to a point where the cut up line is old quarry on road. S.M. of 2 other Mt. Pelion. The rain; down past mine to road & a road to cross water at Old Down & back to S.M. the. Oh yes, down past below mine, Daisy spotted a male Whistler - no first of season! and a lot of other migrants seen.

11th April 1947. At 5.30 PM two ♀♀ of *Bombus lucorum* & 1 ♂ *B. lucorum* were in back garden, the former *Salix caprea*, the latter insect, sitting on the ground in the brickwork of Elin's wall. At 1.45 PM I took a sample morning about on the *Gallus lucorum* <sup>Tim</sup> then = *Bombus* <sub>or</sub>

12th April 1947. The rain in the night & a light drizzle in the morning. I went to the garden to see the *Salix caprea* in back garden, the tree is in flower. At 2.30 on 10th I went to the garden to see the *B. lucorum* in the garden, it is in flower. At 7.0 & 8.0 PM (S.T.) 4.99 *B. lucorum* was in flower in the garden. On 9th I went to the garden to see the *B. lucorum* in the garden, it is in flower. I walked up road past R.P. Chapel to a point where the cut up line is old quarry on road. S.M. of 2 other Mt. Pelion. The rain; down past mine to road & a road to cross water at Old Down & back to S.M. the. Oh yes, down past below mine, Daisy spotted a male Whistler - no first of season! and a lot of other migrants seen.

15th April 1947. Sunny with strong S.W. wind in afternoon. White garden being swept out in front garden, which will be done up to floor in early afternoon, with a lot of mud from the garden. Planted potatoes in back garden!

16th April 1947. Another fine sunny, windy day, with rain threatening in evening & eventually coming on about 9 P.M. for a couple of hours. Went in afternoon to visit J. N. Hackett at Glen, near & how about



16.4.47, cont.] 6 PM. On return journey, by train, saw a Swallow taking Blackbird's nest in garden. Garden all the way full of flowers & flowers blooming, etc. & some Hawthorn hedges, some trees & hedges.

17<sup>th</sup> April 1947. After rain of previous night continued frost - but the evening milder. Several gill net hares, *Saxifraga* out in front garden (2 days after first white snow), *Carex acutata* in back garden in flower, the buff *Viola* brought <sup>1946</sup> from Ballinacorney Rectory, Co. Wick with 3 flowers, flower spike on *Carex acutata* by water house just showing, ponds of *Ornithoglossum* showing, *Arctostaphylos uva-ursi* flower mostly out, orchids in lake all showing, & some "in leaf" not open. Growth rate checked later in day by blazing sun & strong east East wind - in fact rather a cruel day for plants.

20<sup>th</sup> April 1947. A windy day, with shower, but sunny for the most part, the sun rather dimly breaking through. In afternoon walked from 54<sup>th</sup> Ave via Whitehall, for Home & Templeogue bridge to Rathfarnham. In some places snow still lying in big gully between Sarsfield & Corry; in others in upper part of Gluckie Street. Heard one Willow Warbler at Wallington House, but saw no other migrants.

20.4.47, cont.

*Corchis patens* from above L. house, Galtee, 57, Sept. 1943 showing flower buds since 13<sup>th</sup> (for first time since I brought it home) now ready in flower. <sup>from Hammer Lane June 1947.</sup> This plant still available from Gluckie, Co. Wick, for 1st house, 1946 & given to me in 1946. It has almost died. The other (from) plant has died to ground & now first bit seen in plant now being. Two years ago came in Scotland!

Spent morning moulding up the many *Saxifraga* brought from home by myself (Hammer, etc.) & Frank Chidley (Haji, etc. & Corry). All but a few of the first *Viola* plants now dead, with some going to flower. None of the native *Viola* yet in flower. It arrived in front garden in white buds. *Viola* later from the Gluckie estate, Co. Wick (1945) flowering for first time.

*Polygonum viviparum* from Curraghmore ridge, N. of Brandon (1946) now well up in pot & single plant in N. border of back garden also showing up, with many young plants derived from tubers & brought home in "sward" with parent plants, as well as some in other from last year tubers, sending up detrital <sup>1947</sup> leaves. On long stalks, quite unlike the usual ones. One of the native *Viola* flower spike just beginning to sprout. Lily of the Valley in back garden with white buds. *Euphorbia tuberosa* sprouting showing in front garden. *Carex acutata* at water house almost in flower. (*Ranunculus acris* in front of Wallington House.)



21<sup>st</sup> April 1947. A dreary day of gale & rain from SE-SW.

22<sup>nd</sup> April 1947. Coldest, stormy day of the winter with heavy rain & wind falling late evening. <sup>4 or 5 million eggs in sheltered place</sup> nest at Rathilly at 5 PM & contents of 1 egg!

23<sup>rd</sup> April 1947. Less rain than 21<sup>st</sup> - fresh gale & gale all day - heavy lifting weather in 2nd half.

24<sup>th</sup> April 1947. A fine day with light rain & wind very heavy showers about 12 noon. Glass rising steadily. One ♀ and both males seen in garden.

25<sup>th</sup> April 1947. Glass turned down during night & the worst gale of the winter blew all day, very warm in early part of day, but no rain fell. Glass rose up about 2 PM & wind veered from S-SE to W-NW & dropped a little, so that at 5 PM wind calmed & wind veered to SE with no rain. A second pair of *Sialis* has now established themselves just above Mullin's Cross bridge, in spite of opposition from one of Rathilly, & building nest in *Phragmites* bed on N. side of canal, about 100 yards below the bridge on 22<sup>nd</sup> & 25<sup>th</sup>.

26<sup>th</sup> April. Leaves struck by water from rain with rather strong wind.

27<sup>th</sup> April 1947. A very windy day (NW) with rain & wind veering in evening. In afternoon went on bike to Bandon & on to Donnybrook & Ballyoban & home via Lee Bogies & Rathparlan. Heard one Yellow Warbler near Bandon & saw many *Trillium* at 10 on plane. Saw Green Kingfisher in rapids above Donnybrook, still entered the river near mouth, surrounded by *Trillium* & sent back with eggs. 1 pair.

30<sup>th</sup> April 1947. A cold clear day, with some light rain in afternoon, but not much. Wind very cold (NW) in evening. Took 2.25 bus to Ballyoban & walked up to head of Glendhu (Pine Forest), where snow drift tested till 6 inch ago, but now gone, & then back to collect 5.5 bus at Rockbrook & see house. Heard a few Yellow Warblers & saw one ♂ *Andrena* on *Geranium* at Rockbrook. Collected some moss at 1100 ft in Glendhu & on clay bank at Rockbrook for Miss Thomson.

4<sup>th</sup> May 1947. George home for weekend from Belfast, so all went by 2.5 bus to Whitechurch & walked up lane from Kilmashogue church to Castle Collick, then cut down to Kelly's Glen & across stream & up to the lane on slope of Tibredon & so back to 5.5 bus at Tabradon Ho. Collected a few mosses for Miss Thomson & saw *Bombus terrestris*, *Lucorum*.



4.5.47, cont. Killybeggs, S. Co. DU.  
 probably *P. agrorum*, also examined 100 *Calceus nigrescens* at foot of *Vilna* *lycaea* tree; a rather small ♂ *Andrena* type of *Andrena* with dentate mandible & in contrast with *apicata* or *praeceps*, I think it rather for its small size, but without killing it I could not make sure. *Andrena* by *Andrena* very common & not seen in flower. *Andrena* heard several times, but not seen near *Tribulus* mid pit, *Andrena* in some places. *Andrena* *Andrena* everywhere, but no *Andrena* heard during the afternoon. Both *Vicia* *herminia* & *Andrena* *Andrena* seen in flower, the latter only near *Andrena*. *Vesperugo* *Andrena* ♀ seen in *Andrena* *Andrena* & another ♀ (possibly *Andrena*) seen near *Tribulus*.

6th May 1947. A fine sunny day, after heavy rain at night & cold steady shower between 6.5 PM & 11 PM evening; but wind (N-SE) very strong - the sailing for *Andrena*. In afternoon rode with *Andrena* *Andrena* to *Andrena*, on Grand Canal, *Andrena*, arriving there about 3.30 & leaving at 5.0 PM. Swept shelter of old quarry taken S. of canal & N. of *Andrena*, no *Andrena* taken, but by sweeping in the shelter the combined efforts produced the following

6.5.47, cont. Gullinstown, Co. DU, cont.  
 insects swept in shelter of old quarry, S. of canal.  
*Andrena* & *Andrena* or small *Andrena*  
*Andrena* *Andrena* 100. Taken by *Andrena*  
*Andrena* *Andrena* 200.  
*Andrena* *Andrena* or *Andrena* *Andrena* about a dozen or so of *Andrena* 20.  
 One of the *Andrena* very radial cells with long 1st *Andrena* nearly at right angle to *Andrena*, giving the radial cell a bar-like appearance & quite different from that of the other specimens.  
*Andrena* *Andrena* 200 - with small pale legs than *Andrena*  
*Andrena* *Andrena* or *Andrena* *Andrena*  
*Andrena* of 100, *Andrena*  
*Andrena* & taken by *Andrena* of *Andrena* *Andrena*.

The Small White Butterfly seen in road & one *Andrena* seen at Gullinstown by *Andrena*  
 Many Swallows & *Andrena* *Andrena*, several *Andrena* *Andrena* seen near *Andrena* on return journey.  
 A few *Andrena* seen probably *Andrena*, *Andrena* & *Andrena*. Also *Andrena* *Andrena* or *Andrena*.



6th May 1947, cont.

A back garden Ranunculus acris... with flowers open - the little black...  
Toadstool (M. sp.) Co. Dublin, in May 1943, when Sir  
R. J. Walsh & I were making the arrangements for the  
B. N. 7. 6. 50th Anniversary Day, 1943.

24 May 1947. Sifts on Mt. Sion at 9 PM  
today. The new man below Harold's boundary  
or canal diverted the soil to the previous day (23rd)  
after the ♀ sitting alone for about a week.

Small white butterfly seen in garden at 9 PM

10th May 1947. After rain & wind on 9th, a fine day  
with a light breeze. Sifted on Mt. Sion  
for hours at 5 PM. saw a ♀ large white butterfly on  
Earlsfort Terrace.

11th May 1947. Heavy Sifts on Blessville Rd. all  
morning & midday. saw many flies, but saw  
no small white butterfly. Not taken, but seen  
in garden at 10 PM.

12th May 1947. *Urtica dioica* or tops of fresh garden, 10 Blessville Rd., DU.

13th May 1947. *Euphorbia hibernica* (old plant) & *Urtica* at  
first flower opening in front garden, amongst plants  
in back garden. The small white butterfly  
of the *Urtica* group of *Urtica dioica* group

15th May 1947. *Urtica* at 10 PM. (taken on small hill, Co. DU.  
to P. O. Malone)

21st May 1947. A small butterfly seen on 21st  
at 5 PM. in the little white garden. The first seen  
in the garden for several weeks. It had been seen  
on 23rd May for the first time in the garden (seen  
on the garden at 10 PM. taken by Sir R. J. Walsh & I  
the specimen showed in not 20 PM. taken by Sir R. J. Walsh & I  
at 10 PM. the small white butterfly seen on 21st May  
at 5 PM. taken by Sir R. J. Walsh & I at 10 PM.

On walk up hill saw a captured *Urtica dioica* ♀.  
*B. lucorum* ♀, *Andrena signata* ♀ on *Urtica* (seen to  
be taken!), *A. jacobaeae*, *Halictus rubicundus* ♀, a small  
♀ *Demotus* sample = (seen to be taken!).  
*Colletes piceus* ♀ & in *Urtica* garden. *Colletes* seen  
& several other seen when seen on Mt. Sion, probably  
the species. On return journey saw a ♀ on which a  
white *Urtica* or *Andrena* (taken at 10 PM) & taken  
at Fort Bridge & *Urtica* (seen) first taken white  
butterfly. White throat *Urtica* = small white butterfly  
seen on garden, Blessville Terrace, Blessville Rd.  
*Meloe proscarabaeus* ♀ seen on garden road near the house  
at 10 PM. in 10 PM.



25<sup>th</sup> May, 1947. Set 2 traps for *Agrotis ypsilon*  
seen in flower of *Aspidistra* on bank - *Aspidistra*  
The first I saw was with eight double eggs at 2.40 pm  
seen under a tree (2) brought up last year successfully

SCOTTISH TRIP 1947.

28<sup>th</sup> May 1947 Left Dublin at 8.30 A.M. (Kerry train)  
by S.E. Limerick, arrived Galway at 10.15 (North S.T.)  
Left Galway 12.12; arrived Killybeggs, Co. Donegal at 2.30 PM  
& stayed at Mr. O'Sullivan's Binnacott Hotel, "Tynanacott"  
where found everything very nice indeed.

29<sup>th</sup> May

After afternoon tea took a stroll towards the lake  
which runs through a few hundred yards into the town  
and a line of the first house coming down a small  
glade for the mile, through an old oak wood, with much  
high & thick, & in the glade itself much *Aspidistra*  
Dark Fern. Vegetation very lush and a number  
just coming into flower & mostly very nice indeed.  
*Aspidistra* *Aspidistra* in various places on  
slopes of bushes, but except for the *Aspidistra* & *Aspidistra*  
I saw no other plants worth mentioning.

Swifts were heard, but I saw none. A number of  
glades full of them, but not in the glades, as far as I  
could see. The following were seen on the right  
bank (west side) of glade 150 yds long of lake, Killybeggs  
Killybeggs, Donegal. *Thymus praecox* ♂

- Pyrausta* ♂ ♂, ant. 20
- Pimpla flavicollis* ♂ ♂, ant. 29.



29.5.47, cont. Glen, Fife, Perthshire, cont

*Trichostema pallidipes* ♂ ant. 32, ♂ 3

*Phaenocarpa* sp. 20 ♂♂, ant. 30, 31 =

*Apanteles* ♂ ant. 30.

*Coeloceros scutellus* ♀, ant. 20 (L. 11.5. 33-4-44)

*Pezomachus* ♂, ant. 31.

*Aspilota nigricans* ? ♂, ant. 34

*A. (Synaldis) pumilio* ? 2 ♂♂, ant. 30, 31

*A. (S.)* ♂, larger than last, ant. 34

*Pimpla* 1

*Chalcid* 4

*Euclyptus* 1

*Coleoptera* 5 including a weevil both like that found at Grounplaw, Kilmory, but not that sp. (*Eros murina*)  
*Chalcid*

29.5.47. Garden, Kilmory, Perthshire.

*Bombus lucorum* ♀ on Lupin root (*Batrachium*)

*B. agrorum* var. Very rich fulvous on bank 2 ♀♀, ant. last.

one taken

*Vespa norvegica* ♀

29.5.47, cont. By railway, W. of Kilmory, Perthshire

(at foot of Glen Gortart), 8.30 - 9.30 AM.

Some *Chalcids* collected for Smith, with along river Gortart, including one which had been looked like *caprea* x *mutabilis*, & a very small *Chalcid* found from (10.5.47) along river which had been *caprea* in it, but *caprea* (29) is not it.

Sept. in nearby place, with *Bombus* & *Salix* & both the following:

*Stenomacrus palustris* ? ♂, ant. 31

*Orthocentrus* ♂, ant. 34

*Pezomachus* ♂

30th. May 1947. A glorious morning, with gentle easterly breeze & haze in sun, till early afternoon when clouds appeared & a breeze gradually developed about 5 P.M. & increased steadily, sun by 6.30 left Tiptonburn at 10.20 AM. & walked to Bridge of Lundy & then up glen through oak wood, with a few odd trees of Scotch Fir of the old Caledonian forest but a tree & much birch; the oak wood stops suddenly at about 700 ft. & shows that open grass & heather



30.5.47, cont. Graignacullid, i. cont.  
 snow which continues upward to about  
 2,000 ft. From about 1200 ft. to alpine.  
 Plants begin to appear & soil thin on  
 Thalictrum alpinum, Anemone alpina etc.  
 abundant - the former in the deep parts of the  
 hollows & the latter on the stony  
 vegetation & on rocks. We went to visit  
 the eastern face of Graignacullid at about  
 1800 ft. & had lunch there & then worked on up  
 along this cliff to about 2,500 ft. Had afternoon  
 tea at 4.30 P.M. & came back to camp  
 have during the course taken Graignacullid  
 & Mullach-Tamachan in which many snow  
 patches still lay although facing South.  
 Plants seen on the cliff of Graignacullid  
 included Thalictrum alpinum, Ranunculus ficaria  
 [Ranunculus at about 800 ft.], Geranium  
 at about 2,500, & a creeping species? Geranium  
 Cochlearia micrantha Marshall at 2,500 ft., Viola peltata  
 V. hibernica, Lychnis viscaria in places  
 Cruciferae of (Arabis or alpinum) with  
 flowers, Geranium sylvaticum, Oenothera

30.5.47, cont. Graignacullid, cont.  
 Lathyrus montanus, Lotus corniculatus in small  
 clumps about 2,000 ft. Spirea, S. helvetica in small  
 clumps, Rosa, Scirpus oppositifolius & Scirpus  
 abundant, S. hypnoides (or S. helvetica) very fine  
 S. stricta in flower at 2,500 ft. Hieracium aff.  
 Solidago, Antennaria, Ranunculus peltatus, Ranunculus  
 acris, Cnicus latifolius (Hornem.), Galium  
 pumilum, Lycopodium obscurum, Pinguicula  
 vulgaris, Oxycoccus rotundifolius (Hornem.),  
 Polygonum viviparum abundant, Sagittaria (var.)  
 of very upright bushy growth & not leafy like the  
 ordinary leaf plant, Salix caprea? & a small  
 shrub here in bog, but with a flower &  
 two joints to name; sedge all in flower & not  
 in flower, but small plants, ~~Plantago~~  
 plantago & possibly <sup>prunella</sup> ~~plantago~~ seen on way to  
 snow, Sideris acuta common in flower on  
 cliffs, Lycopodium alpinum (in upper only) &  
 L. Selago, Selaginella selaginoides, 2,500 ft. &  
 with Botrychium lucaria (M.S.), Polypodium  
 Cryopteris on rocks, P. hypoleuca common,  
 P. vulgare rare, Polystichum trichitum &  
 P. aculeatum frequent, Asplenium <sup>var.</sup>

Potentilla ~~alpina~~  
 Family E. ~~humboldtiana~~ 1850!



30.5.47 cont. - *Crangon ciliat*, *Pentodon* cont.  
 Under stone on cliff at ca. 2000ft. took a very large and  
 shell of small *Vitrina cristallina* (Horn.) & saw a specimen  
 of slug *Arion* *incomptus*; also took a small *Otiorhynchus*  
*naevus* & saw *Carabus glabratus*. Small  
 Tortoise shell butterfly seen twice, one of which  
 was about the opposite cliff & a *Pitilina* of which  
 saw a specimen at about 1500ft. but too far off to  
 identify. Buzzard seen at 1000ft. & Raven  
 seen at 2000ft.

11 insects taken & taken with a cork & paper bag of wood  
 ca. 700ft.  
*Dolichopus* *arvensis* & *D. picipes* 1♀ each. 2 beetles = *Coccinella*  
*Ichneumon* *truncatellus* ♀. *Chalcid* *incomptus* ♀, ant. 21. *Pimpla* *alternans*, v. *Kollhoffi*, 10, 2♀♀ at oak  
 ant. 24, 25-26.  
*Campoplegid*, ant. 20 = *Bracon* ♀, ant. 24.

31<sup>st</sup> May 1947. After a very wet night, rain till midday &  
 then gradually clearing to a beautiful sunnier day. Flies  
 of all kinds. Glasgow & R. Bouchard & *tanipis* spots in  
 foreground. Had a short stroll before lunch along left  
 bank of R. Bouchard w. of Kilm. In afternoon walked  
 along the Achmore road to S shore of Loch Tay; tried  
 sweeping bank, etc. along roadside & by lake shore &  
 back the following insects were seen:

42 insects mounted & labelled

Achmore  
 11th Hill  
 31.5.47.  
 A.S.P.

31.5.47, cont. Insects taken near Achmore, East of Kilm. & on  
 S shore of Loch Tay, in afternoon (3-5 P.M.).

*Bombus lucorum* ♀♀ seen. *B. terrestris* ♀ at Achmore.  
*Vespa norvegica* ♀ at post.  
*Lygus* frequent on both: 2♂♂, 6♀♀ =

*Scaphisoma* *boliviana* ♂ ♀ on leaf of lime tree  
*D. nigritarsis* ♀ - brick - *Pentodon* ♀ on *Salix*  
*Allanota pallipes* ♀ taken by beetle  
*Chalcid* *incomptus* ♀ off brick  
*Ichneumonidae* & *Proctos*, ♂

*Euclyptus* *caudatus* ♀ (on *incomptus* ♀), ant. 25.  
*Phaenocarpa* ♀ = *Bracon* *compensata*? ♀, ant. 20.  
*Cryptinid* ♂, included *Pezomachus* ♀, ant. 19.  
*Chalcid* *apertus* 2♂♂, ant. 21 & 22. H. ♀, ant. 22, *Harmonia*  
 H. ♀, ant. between 20 & 22, taken. H. ♀, ant. 24, *peritriptus* *sp.*  
 H. ♀, ant. 19, *Chalcid* ♂, ant. 19.  
*Pimpla* *alternans* var. *Kollhoffi* ♀, ant. 24.  
*Ichneumon* *truncatellus* ♀, ant. 23; rather small?  
*Ichneumon* *truncatellus*? ♂, ant. + 21, taken!  
*Campoplegid* ♂ = *rapicosta* *alternans*? ♂, ant. 29.  
*Apanteles* ♂, ant. 20.



31.5.47, cont.

*Euphorbia pallidivittata* 200? sub 6  
*Alcea* *amblyocarpa* var. *amblyocarpa* (L.) DC. var. *amblyocarpa*  
*Aspidistra* *variegata* <sup>small</sup> var. *amblyocarpa* ? *amblyocarpa* ?  
*Thymus* *amblyocarpa* ? *amblyocarpa* ? *amblyocarpa* ?  
*Aspidistra* *amblyocarpa* ? *amblyocarpa* ? *amblyocarpa* ?  
*Aspidistra* *amblyocarpa* ? *amblyocarpa* ? *amblyocarpa* ?  
*Aspidistra* *amblyocarpa* ? *amblyocarpa* ? *amblyocarpa* ?  
*Aspidistra* *amblyocarpa* ? *amblyocarpa* ? *amblyocarpa* ?

*Chelidonium* 7.

*Gynandrum* 1.

*Coleoptera* about 2 dozen taken & mostly all at edge  
 from freshly cut stumps, including  
*Agathidium* ?

1<sup>st</sup> June 1947. After another very wet night, thunder & rain at  
 breakfast time, as that is last night of an idyllic day  
 the day is bright in Tamworth. Starting about 11 AM.  
 She and I had about 8 miles up Glen Lough to the falls  
 of Lough - a fine night after the rain. She started  
 some work for the week beside the falls for this reason  
 & we from a tree stump nearby. As it is now clear that  
 the day is improving had lunch (P.M.) on a steep rocky road  
 - the road recently cut down - 1/2 mile from summit  
 up slope of small stream crossing 2421 ft., about 1/2 mile  
 way N.E. of summit. After tea came down by stream between  
 small stream crossing & bridge no. 11111 & we back to foot  
 of Glen Lough & home - the last part of day in Glasgow  
 & part back. At falls of Lough saw some plants for  
 first time in district, e.g. *Carex* *sp.*, *Melampyrum* *sp.*  
 & *Sax* (beside the falls, on rocks). On way up slope of small  
 stream crossing, saw little *Geranium* beyond the ordinary plants of  
 the district. *Geranium* *sp.* *Geranium* *sp.* *Geranium* *sp.*  
 on bank of stream of *Geranium* *sp.* *Geranium* *sp.*  
 & common tall fern of *Geranium* *sp.* *Geranium* *sp.*  
 a staff below that is a great black scum or rather talus, with  
 blocks up to 10 feet cube. The height of this talus is some 100 feet  
 I think it is under 200 feet. How many plants  
 including *Sax* *sp.*, numerous patches, & many in flower.

1<sup>st</sup> June 1947. After another very wet night, thunder & rain at breakfast time, as that is last night of an idyllic day the day is bright in Tamworth. Starting about 11 AM. She and I had about 8 miles up Glen Lough to the falls of Lough - a fine night after the rain. She started some work for the week beside the falls for this reason & we from a tree stump nearby. As it is now clear that the day is improving had lunch (P.M.) on a steep rocky road - the road recently cut down - 1/2 mile from summit up slope of small stream crossing 2421 ft., about 1/2 mile way N.E. of summit. After tea came down by stream between small stream crossing & bridge no. 11111 & we back to foot of Glen Lough & home - the last part of day in Glasgow & part back. At falls of Lough saw some plants for first time in district, e.g. Carex sp., Melampyrum sp. & Sax (beside the falls, on rocks). On way up slope of small stream crossing, saw little Geranium beyond the ordinary plants of the district. Geranium sp. Geranium sp. Geranium sp. on bank of stream of Geranium sp. Geranium sp. & common tall fern of Geranium sp. Geranium sp. a staff below that is a great black scum or rather talus, with blocks up to 10 feet cube. The height of this talus is some 100 feet I think it is under 200 feet. How many plants including Sax sp., numerous patches, & many in flower.



1-6-47 cont. Small stream - eroding, Glen Lochy, cont.  
*A. maculata*, *Asplenium* *var.*, *Galium* *sp.*?  
*Urtica dioica* - abundance; *Aspidistra* *longifolia* 1 sp.;  
*Monarda* *peruviana*; *Sax. oppositifolia* - abundance;  
*Asplenium* *Rubra-novae* (a clump) of these small plants in  
 thick of a rock. On the grassy slope above the lake, & below  
 the bare cliff, near *Silene acaulis* in flowering patches. As we  
 came near the summit of Small-dun crossing the small scarp  
 became more & more covered with *Urtica dioica*, *Sax. oppositifolia*,  
 & new plants appeared. We did not actually go on to the  
 summit but veered to NE & had tea on a rocky knoll 1/2  
 mile beyond it & slightly lower. On the knoll took 6 sp.  
 & 2 ♀♀ of a very fly *Commensalium mcluckii* <sup>coll. R. B. Hanson 1950.</sup> but collected  
 no other Hymenoptera during the day. Plants seen on rocky  
 scarp E & N.E of summit included *Brassica* *var.*,  
*Salix arbuscula* & *peruviana*? (both - 2 ♀♀ taken to day, 1 spore?)  
*Urtica dioica*, *Vaccinium* *Vitica* *solana* (very common all over the  
 hill above 2000 ft. both on rocks & in crevices, places); *Phlox*  
*virginiana* (very abundant on grassy mound); *Thalictrum* *officinale* (very  
 abundant above 1500 ft. except grassy mound & in *ballista*);  
*Silene acaulis* - a single small *Silene* on the scarp just west  
 of the *Phlox* on way up to grassy ridge.

2-6-1947. A very fine, soft, & very hot day, all sunny but  
 with heavy clouds at times. Took a forenoon & part of some  
 plant home to the bank from Small-dun ridge, & also a small  
 form of *Antennaria dioica* <sup>kind in 1944 brought 1945</sup> from 2500 ft on Glen Lochy.  
 Went by 2 o'clock to house & to stay at Ben Lomond Hotel  
 then. After afternoon tea went down to edge of Loch Tay  
 & swept edge of fields & mainly open ways & also edge  
 of loch & across just W. of old gate 2000 down to house for  
 dinner at 7 P.M. & went back for sleep & the air in  
 the lake important. Took the following insects during the afternoon  
*Scaphisoma* *sp.* taken at hotel at house & Loch Tay also  
*Bombus lucorum* <sup>9 specimens</sup> & *B. agrorum*; several ♀♀, though the latter of the  
 very deep red fulvous color as they are at Hillier, suggesting  
 form & deeper, rather color than the *Scaphisoma* form.  
*Scaphisoma* *Bombus* *genus* *var.* *var.*  
*B. lucorum* ♂, ♀.  
*B. niger* ♂, ♀.  
*Halictus* *var.* ♂, ♀.  
 Collection of *var.* ♂.  
*Monoblastus pallidus* ♀.  
*Phogogaster fulvipes* ♂.  
*Tomalia* *intermedia* ♀. *Hoplacampa* *var.* ♂.  
*Pachymeria* *sp.* ♂, ♀. *Pteronidea* ♂.  
*Pristiphora denudata* small ♀.

*Scaphisoma* *sp.* taken at hotel at house & Loch Tay also  
*Bombus lucorum* 9 specimens  
*B. agrorum*; several ♀♀, though the latter of the  
 very deep red fulvous color as they are at Hillier, suggesting  
 form & deeper, rather color than the *Scaphisoma* form.  
*Scaphisoma* *Bombus* *genus* *var.* *var.*  
*B. lucorum* ♂, ♀.  
*B. niger* ♂, ♀.  
*Halictus* *var.* ♂, ♀.  
 Collection of *var.* ♂.  
*Monoblastus pallidus* ♀.  
*Phogogaster fulvipes* ♂.  
*Tomalia* *intermedia* ♀. *Hoplacampa* *var.* ♂.  
*Pachymeria* *sp.* ♂, ♀. *Pteronidea* ♂.  
*Pristiphora denudata* small ♀.







3. 6. 47, cont. Ben Lomond, cont.  
Collecting some bushes at level place near  
summit & a small rock about at summit.  
This included

Vegetation for the most part very backward & difficult  
to get in the way of the rocks, sedge is rare,  
especially difficult. *Sax. oppositifolia* in full flower  
at level, right on uppermost scarp, a few plants  
of *Cochlearia micraea* in flower on the higher ground,  
low down (between 3,000 & 2,000) *Alchemilla alpina*  
on the south <sup>side</sup>, *Empetrum nigrum*, *Empetrum nigrum*  
*Saxifraga aizoides*, *Galium palustre* (flower seen only)  
about the rocks, plants in flower. *Thalictrum alpinum*  
locally abundant for 1500 ft to about summit.  
*Galium palustre* only the one plant seen, probably on 2,000 ft.  
Remains of moss seen to 11,000 ft. *Cochlearia*  
*micraea* the last seen on the high part (about 2,000 ft.)  
10 few plants in flower. *Viola palustris*. *Saxifraga* spp. seen  
but not possible to identify. *Anemone pulchella* I think seen  
but uncertain. *Chloroxys sedoides* very frequent at summit  
& very like a few found *Silene scabra* the plants very common  
with flowers. *Saxifraga oppositifolia* about summit.

3. 6. 47, cont. Ben Lomond, cont. <sup>11,000 ft. 11,000 ft. 11,000 ft.</sup>  
*Cochlearia alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup>  
*Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup>  
highest of *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup>  
amongst grass, *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup>  
abundant of the *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup>  
rare & very local, in *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup>  
abundant to summit. *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup>  
on wet low boggy slope & just on *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup> *Alchemilla alpina* <sup>11,000 ft.</sup>  
*Saxifraga aizoides*, *Saxifraga aizoides* <sup>11,000 ft.</sup> *Saxifraga aizoides* <sup>11,000 ft.</sup> *Saxifraga aizoides* <sup>11,000 ft.</sup>  
*Sax. hypnoides*: very being found in a few places not possible  
to get of the summit. *Sax. oppositifolia* <sup>11,000 ft.</sup> *Sax. oppositifolia* <sup>11,000 ft.</sup> *Sax. oppositifolia* <sup>11,000 ft.</sup>  
at the level of the summit & full flower there. *Saxifraga*  
*oppositifolia* <sup>11,000 ft.</sup> *Saxifraga* <sup>11,000 ft.</sup> *Saxifraga* <sup>11,000 ft.</sup>  
frequent. *Galium saxatile* [I found 4 or 5 plants  
at about 10,000 ft.]. *Arctostaphylos* <sup>11,000 ft.</sup> *Arctostaphylos* <sup>11,000 ft.</sup> *Arctostaphylos* <sup>11,000 ft.</sup>  
at summit (see above & opposite page 165). *Arctostaphylos* <sup>11,000 ft.</sup>  
if we see the sub. *Vaccinium myrtillus* <sup>11,000 ft.</sup> *Vaccinium myrtillus* <sup>11,000 ft.</sup> *Vaccinium myrtillus* <sup>11,000 ft.</sup>  
on steep low slope 2,000-2,500 ft. *Vaccinium* <sup>11,000 ft.</sup> *Vaccinium* <sup>11,000 ft.</sup> *Vaccinium* <sup>11,000 ft.</sup>  
but very rarely and with other plants very few. *Vaccinium* <sup>11,000 ft.</sup> *Vaccinium* <sup>11,000 ft.</sup> *Vaccinium* <sup>11,000 ft.</sup>  
frequent. *Parnassia vulgaris* <sup>11,000 ft.</sup> *Parnassia vulgaris* <sup>11,000 ft.</sup> *Parnassia vulgaris* <sup>11,000 ft.</sup>  
*vulgaris* <sup>11,000 ft.</sup> *Parnassia vulgaris* <sup>11,000 ft.</sup> *Parnassia vulgaris* <sup>11,000 ft.</sup>  
*exaltata* (L.) found by me on snow patches at  
more than 3,000 ft.]



3.6.47, cont.

Ben Linn, cont.

*Veronica myrsinites* at 1000 ft. seen in several places.  
*Artemisia montana* very common on soil on edge of a wet meadow  
 bog near spring. *Alyssum digynum* in one wet bog, not far  
 below summit. *Ranunculus acris* or *heptactis* frequent, but not  
 species or both uncertain. *Polygonum viviparum* locally common  
 to near summit. *Epipactis atrorubens* abundant in lower  
 slopes. *Salix herbacea* the only species seen on the high  
 ground & the very abundant. [*Salix* *arctica* & ?  
 2 <sup>specimens</sup> *arctica* seen by lower above lower at 1000 ft. (cont.)]  
 [*Malvastrum alba* seen in pasture at about 1000 ft. above  
 lower on other side, nearly = *flora*]. *Carex ripida*  
 & *C. lasiocarpa* & *C. panicea* the only 3 species certainly  
 seen near 2000 ft. [*Carex* 3000 most *C. lasiocarpa*, *panicea*  
 & some *divinca* & others not identified. *Juniperus* ?  
*Lycopodium Selago* trace amount & *Cheilanthes* *alpinum*  
 & *C. alberti* frequent. *Fern* about bank, but a  
 few *Asplenium* & *Lactuca scariola* seen & *Cheilanthes* *alpinum*  
 much. *L. complanatum* frequent. *Cheilanthes* *alpinum* very  
 abundant seen recently, but it is much on other side.  
 Searched for *Hydrocotyle* on some peat, but found none, though  
*Diplotaxis* (1 to 2 specimens) abundant & *Diplotaxis* *alpinum*  
 & a little *Diplotaxis* seen in a few places.

4th June 1947 Linn, Perthshire.

The night with a heavy rain & heavy rain & after about  
 about 11.30 rain again after about 11.30 rain & after about  
 & heavy rain followed by heavy rain & after about 11.30  
 & heavy rain followed by heavy rain & after about 11.30  
 for about 11.30 rain followed by heavy rain & after about 11.30  
 the heavy rain & heavy rain & after about 11.30 rain & after about  
 along the road & heavy rain & after about 11.30 rain & after about  
 on bridge over the burn, *Orchis* *montana* small, pale  
 pink flowers, many petals, the only plant of interest noted  
*Diplotaxis* *alpinum* of *Diplotaxis* *alpinum*, also *Diplotaxis* *alpinum*  
 Rain continued all afternoon & evening.

5th June 1947. A fine day, after some rain at night, but glass still down & falling.

At 9.45 went up the Linn Burn through  
 W. edge of larch plantation to about 1200 ft. or  
 possibly more. A quarter of a mile above plantation  
 came on some nice spring on right (W. side) of  
 river, coming out of the moor & from the  
 many made by them full of interesting plants, though  
 still backward. Here about the spring saw *Cheilanthes* *alpinum*







6.6.47, cont. Ben Lomond, SW corner of Cont  
 back from crags & slopes SE from summit  
 (behind Meath ridge) & so down side of hill to  
 hotel at 5.45. south. On outward journey after  
 leaving road saw <sup>antipateris</sup> *Viola lutea* - many  
 all the way (blue & yellow seen) on the grassy slopes up  
 to about 1000 ft. - later in day saw *Panicum*  
 in places on rock ledges at about 3,500 feet,  
 below & W. of summit, this latter plant appearing  
 to me to be very young, but still very young. The  
 beds well advanced in amount now. Buchanan White  
 records *Viola lutea* from 2,500 feet, but evidently  
 refers to the same place as it was to me. At  
 this spot on edge of snow patch *Erigeron* found 2 specimens  
 of which *Erigeron alpinus* & *Erigeron alpinus* small  
 "alpinus" form considerably further up. *Viola lutea* was  
 last seen about 3,000 ft. in alt. but 3,000 ft.  
 at about 1500 ft. on way up the alpine type to appear  
 in quantity. *Alchemilla alpestris*, *Thalictrum alpinum*,  
*Sax. aizoides* <sup>var. *sp.*</sup> *glaucata*. Some rocky places  
 saw much *Tofieldia* & the little white flower may  
 refer to as *P. 169* (= *P. from T. 169*) & *Leucis*  
*caerulea* at about 1,000 ft. beside & with. Several

6.6.47, cont. Ben Lomond cont.  
 saw many places, very common in bed rock ledges  
*Epilobium* <sup>probably *alt.*</sup> *alpinum* & *alpinum* ('alpinum')  
 & also *Holly fern* & *Lychnis* *fragilis* *lychnis*  
 appear. After lunch, on outward journey, in snow  
 saw a narrow of *Sedum* *caeruleum* (in bed &  
*Alchemilla sedoidea* in places, *Erigeron* *alpinus*,  
*Lychnis spicata*, *Corollaria nivalis*, *Artemisia* *subulata* (= *nivalis*)  
 as we gradually descended the alpine was  
 noted, but at the foot of the snow. It is not common and is  
 found that we could not stop to look at it. It was noted  
 to be in part a patch. Plants seen were *Sax. aizoides*  
 & *Erigeron* *alpinus* & *Thalictrum alpinum*  
 (with most leaves & flowers!), *Saxifraga hypnoides*  
 of which found the to summit, *Erigeron* *alpinus*, *Sax. aizoides*  
 (= on rock), *Sibbaldia frutescens*, *Artemisia* *subulata*  
*alpestris* (rarely - flower & quite common) at about 3,500 ft.,  
*Erigeron* *alpinus* (= on rock), *Veronica* *sp.* (probably  
*V. subulata*), *Sax. aizoides* in places & in the  
 places, *Chrysanthemum alpinum*, *Epilobium* *sp.*, *Galen*  
*toxicaria*, *Sedum* *caeruleum* (only seen at about 3,500 - 3,600 ft.)  
*Hebe* *sp.* (from snow), *Lychnis* *fragilis* (abundant),  
*Achillea millefolium*, *Campanula rotundifolia* (abundant at the  
 way up.)



6.6.47 cont. - near Lavenham, cont.  
*Vaccinium myrtillus* (very small, V. vitis-idaea (at least)  
*Linnaea borealis* (by a narrow margin), *Carex* sp.,  
*Ranunculus acris* (very abundant & very small - leafy leaf  
or 200), *Polygonum viviparum* (very common all the way up  
700 - about 1700 ft), *Scilla rotundifolia* on flat at about  
3,000 ft just over the flower very abundant in face of slope  
at about 3,200 - 3,500 ft. just below 4.4. of summit, *Scilla tuberosa*,  
*Luzula spicata* (very few), *Carex* sp. about about about about  
2,000 ft, but one seen, fleshy, open, taken in soil on  
side of corrie, just showing flowering, & the same species  
seen on summit - *Stachys recta* (small - *Stachys*;  
seen on slope at about 2,500 ft); *Geranium* not yet recognizable,  
but some seen probably *Geranium* sp. diff. broad, glaucous  
leaves, from *Geranium* but *Geranium* from *Geranium* sp. diff.  
*Carex* *dilatata*, *Polygonum* *virginicum* & *Polygonum*  
seen on the *Salix* *caprea* *caprea* *caprea* *caprea*  
seen to 3,200 ft, *Salix* *caprea* *caprea* *caprea*  
down down. Going down the lower slope on 3,000 ft  
& before reaching the flat (sharp descent 1/2 N of)  
one of *Salix* *caprea* *caprea* *caprea* *caprea* *caprea*  
*Salix* *caprea* *caprea* *caprea* *caprea* *caprea*  
the *Salix* *caprea* *caprea* *caprea* *caprea* *caprea*  
and slight dip to level at 3,000 feet for band and, and I did not  
know to the present day. AWS-H. 647 Dec! 043.

7th June 1947. This opened (at 3.00) with a bit  
drizzle, after a fine night & then a distance  
in the down. In a low mist, got level  
& started up from east of lake & made the ridge  
towards Lavenham on about a light drizzle, on way  
up saw some *Polygonum viviparum* in flower for first  
time & much *Geranium* *caprea* & *Geranium*  
but flower disappointing on flat part, ground  
above the mountain peak area covered by *Salix*,  
*Vaccinium myrtillus* (dominant), *V. vitis-idaea*, *Epilobium*  
& a few *Ranunculus* *acris* in flower. After lunch a line  
of peak by road on way down to Lavenham about 4.4. of  
below the Lavenham & walked up right bank to a road 1/2 S of  
the lake, towards inlet & up over to cliff *Salix* *caprea* *caprea*  
in the corrie on hill. Plants seen here included *Trillium*  
(quite a lot on cliffs) ca. 3,000 ft, *Trillium* *repens* (1), with many  
in several places & usually under overhanging rocks, *Geranium*  
*caprea* *caprea* *caprea* *caprea* *caprea* *caprea* *caprea* *caprea*  
*Viola* *tuba* on cliffs & just below on, *Scilla* *rotundifolia*, *Scilla*  
*rotundifolia* *Scilla* *rotundifolia*, *Scilla* *rotundifolia* & *Scilla* *rotundifolia*;  
*Epilobium* (with *Scilla* *rotundifolia* on steep slope), *Hebe* *rotundifolia* sp.  
*Geranium* *caprea* *caprea* *caprea* *caprea* *caprea* *caprea* *caprea*



7.6.47 cont. North Corrie, Ben Lomond cont.  
 Side view. Salsolias? several beds on cliff.  
 in a somewhat plain & on a little slope  
 (on left bank) in situ. Salsolias? (see also below)  
 seen at all? Salsolias? (see also below)  
 Salsolias? (see also below) (see also below)  
 Salsolias? (see also below) (see also below)  
 Salsolias? (see also below) (see also below)

Small *Crucifera* and *Umbellifera* seen at a small  
 Ben Lomond 7.6.47 at Verrill's Glen, South Lyle  
 in Corrie, Ben Lomond (see also below) (see also below)  
 other plants taken at the same time.

A cold drizzly day - very poor - a good tree  
 waterlogged after recent rain. The ground is thin, with  
 the snow being up, mostly melted, & not till now.  
 The vegetation for the most part very backward.

8th June 1947. Rain all day. Spent morning clearing  
 up things, then afternoon out on south slope of  
 Ben Lomond to place where we found *Agrostis*  
*peruviana* on 6th to show it to Mr. G. G. G.  
 of Birkland. Very wet, very windy & very cold, with  
 sleet & hail. Referred the plants to Mr. G. G. G.  
 one small piece of *Agrostis* in flower, but in field  
 to refer to our plants - no doubt owing to the  
 actual seeds being actually difficult to get, & very  
 unpleasant. Came back by different route. Found  
 seeing some *Umbellifera*, *Vaccinium*, *Urtica*, *Urtica*, *Urtica*  
*Urtica*, *Urtica*, *Urtica* (all 2000 ft. alt) on  
 edge of island, all very common. *Urtica* & *Urtica*  
 had been seen 2000 ft. alt of the hill, & on  
 on several very old trees at the top in places  
*Pyrola asarifolia*! & a small *Urtica* tree (Ben Lomond).

9th June 1947. *Coleraga gonagosa* & small *Epilobium ciliolatum*  
 taken near hotel at Linn - morning  
 9.6.47 cont. R. T. O. →



9th June 1947. A fine day with rising glass  
 & strong N.W. wind. Cold to very cold in  
 forenoon & cloudy over the lake,  
 but afternoon glazing & sunny & not so  
 windy. With Mr. Green & Mr. & Mrs. Helder  
 left Southport about 1.35 for a few miles  
 to the Gannet Burn & then walked up bank to  
 into the S.W. corner of Ben Lomond  
 to a point at about 2250 ft. in summit.  
 After lunch Mr. Green & I spent some  
 time in upper part of corrie & south of  
 summit where still much snow & some  
 of recent snow patches. All snow to 2000 ft.  
 Saw few mosses, plants included: *Alnus*,  
*Salix repens*, *Deschampsia*, *Calluna vulgaris*,  
*Salix pratensis*, *Salix alba*, *Viola palustris*,  
*V. sp. lateralis* - flower?, *Salix repens*, *Sax. sp.*  
*Chamaenerion sedentare*, *Geranium alpinum*,  
*Geranium subciliatum* v. *alpinum*?, *Geranium*,  
*Alchemilla vulgaris*, *A. alpinum*, *Potentilla*,  
*Comarostaphyle v. Prantlii*?, *Epilobium alpinum*,  
*Salix rosmarino*, *Scirpus hypnoides*, *Sax. stellaris*,  
*Sax. muralis* (frequent), *Sax. aizoides*, *Sax. opp.*

9.6.47 cont. Ben Lomond, cont. 178  
178  
178  
178  
 Saw <sup>many</sup> ~~some~~ mosses & ferns in  
 on or amongst the great crags. SW of summit  
 & a few hundred feet below summit  
 summit  
 SW corner of north east!

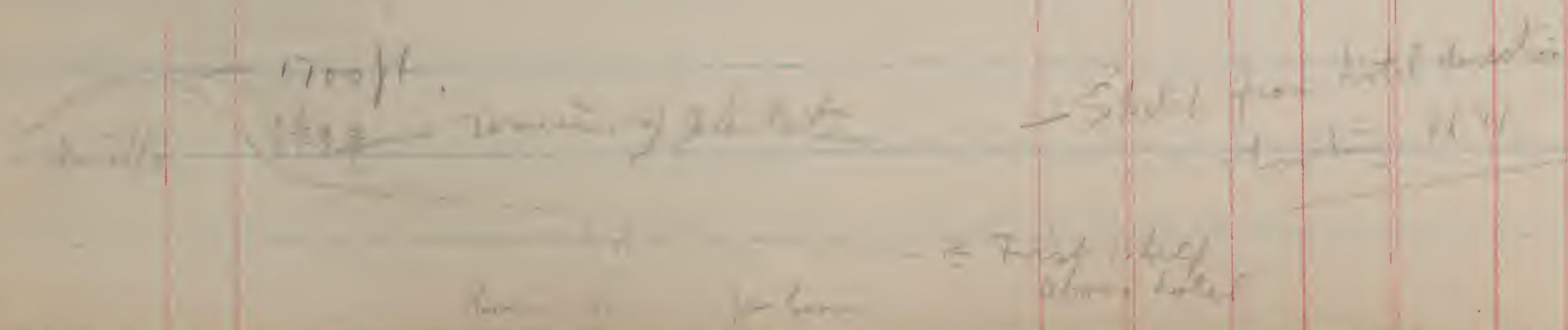
*Chamaenerion* - *officinale*, *Galium saxatile*,  
*Geranium saxatile*, a plant with green leaves  
 & white flowers at base summit where, being  
 somewhat white with to *Geranium officinale* affected by  
 recent snow & was put with *Salix repens* on  
 large ground, *Geranium saxatile*, *Geranium*,  
*Geranium alpinum* - 2 north of lake side, *Geranium*,  
*V. lateralis*, *Geranium saxatile*, *Geranium*,  
*Geranium alpinum*, *Geranium saxatile*,  
*Rumex acetosa*, *Geranium saxatile*, *Geranium*,  
*Geranium*, *Salix repens*, *Salix repens*,  
*Geranium saxatile* var., *Geranium saxatile*,



9.6.47 cont. Barrow, cont.  
*Lucula spicata*, *Scirpus caespitosus*,  
*Carex sp.*, *L. multica*, but other species  
 not recognizable, *Sedum*, *Salix*,  
 Holly Fern, *Carex dilatata*, *Excoelone papill.*,  
*Saxifraga*, ? *Blechnum* (flowering), *Lupinus*  
*viridis*, *Botrychium lanosum*, *Salix*,  
*Lycopodium*, *Salix* & alga.

On way up from barrow collected some *Salix* by  
 of barrow barrow stands to side above and  
 one species like a small *Carex* - *Carex* (sp.)  
 & a small *Statice* sp. - barrow of *Salix*.

On way down from summit round the point  
 for *Azalea procumbens* with *Sparganium* &  
 by way of it in barrow & on edge of  
 open to way down barrow  
a scarp.



10th June 1947. A thick wet mist & rain  
 all forenoon, clearing about 2 PM, & mist  
 hot sun in afternoon, but with rain once  
 more from 6.30 onwards, wind out, light.

Did not go out before lunch, went for  
 stroll between 12.30 & 1 PM, then out at  
 foot of glacier of Laron Burn below the road,  
 then summit of Oak Wood & flora, mud  
 Hazel, Birch, *Salix caprea*, *Salix montana*,  
 & *Saxifraga* with *Sparganium* & the planted tree.

In afternoon went up to springs on right  
 bank of Laron Burn at ca. 1200 ft. (above  
 Spruce & larch plantation), then *Topioides pedunculata*  
 & *Sparganium triplum*, etc. found on 5th June, p. 169.

Had afternoon tea by the barrow, around it &  
 went NE across moor to scarp at 1600-1650  
 ft. on S. slope of Meall Gormail. Here found a  
 recent flora including *Helianthemum*.

The mound where sheep lie at base of rock scarp a lot of  
 grass swards, *Alchemilla alpina*, *Thalictrum alpinum*  
 in wet grassy spots above scarp, *Sax. oppositifolia*,  
*Erica cinerea*, near & very shaded, at Oak Barrow  
 + several *Salix* trees. ♂ & ♀, of which some like



10. 6. 47, cont. S. slope of meall G. m. d. l., cont.  
*Salix phylicifolia* <sup>Chilodactylus</sup> the most abundant  
 on above ground, found several large  
 plants, but only *Coronilla varia* etc.  
*C. Gordonii* & *C. parviflora*, specimens of  
 the former mostly small & in soil, but in  
 one place some out of a foot of water & about  
 15 inches above snow & just coming into flower  
 (specimen dried); in one place *Ornithogalum*  
 that I think is *Scilla* *phitum* & *Scilla*  
*polytrichum* occurred in all parts & very  
 abundant for some.

Panther Lady Butterfly seen at 3 P.M. on  
 way up at ca. 10000 ft. in hot sun.

*Dolium* *gorgei* ?

*Andrena subopaca* 333

Two little = *Corona*

11th Jan 1947. Meall G. m. d. l. The yellow  
 Corrie, Ben Lomond, Perthshire.

A very fine day, sun, with haze, fresh W.  
 later E., very hot sun in places, dull intervals,  
 later, with a slight.

Set out 9.30 A.M., with Mr & Mrs Holden & Mr H.  
 E. Green, via the Linn Burn for the yellow Corrie  
 (Corrie near bridge) and drain into Glen Lyon  
 & for station on the east between Linn Burn  
 & the yellow Corrie to former highland.  
 On way up to east, by stream east of the  
 east took specimens of a *Salix* & *Centropogon*  
 in snow at head of stream, some snow plants  
 of *Utricularia* *viridiflora*, *Utricularia* *glauca*,  
 & other common plants, but vegetation only just  
 freed from snow, as packed on NW track  
 lowest gap in ridge, where snow had melted  
 earlier & vegetation more advanced. Finally  
 on some very nice ground discovered by Mr Green  
 I spotted some tiny plants - 15-2 inches high of  
 the most *parviflora* in a very nice place, about  
 bare place & here it proved abundant, growing  
 drier ground on the ridge, a place mostly composed



11.6.47 cont. Yellow Coriaria, cont.  
 of Kauri by Taha, V. etc. Desc. of  
 Lophoceros in mountain & forest today.  
 After lunch I went straight down to col & into  
 the yellow Coriaria (alt. of col. ca. 2700ft) where  
 Daisy & I went about 10 to 15 high point  
 on a ridge E. of col. here *Berberis* specimens  
 a few patches of *Agrostis* present in  
 full flower. Much more still in the  
 yellow Coriaria & the whole next has been  
 nearly killed with snow & what trees were  
 there it was hopeless to look for *Berberis*  
*microlobata*, etc. Nevertheless I got a few  
 or more at the present looking for *Berberis*  
 & collected specimens of various sorts, only  
 looking plants to grow, or some last year  
 fruits of *Juniperus triglumis*, much *Berberis* *acutata*  
 just coming into flower & lots of the common  
*Leuca* plant. Daisy & I climbed up to cliff  
 & on to shoulder of small Gull (alt. ca. 3000ft)  
 & had tea. At the height a small vegetation  
 occurred with some large ferns, stone, & rocks, &  
 plant of *Salix herbacea* & *Sax. oppositifolia* in flower.

11.6.47 cont. Yellow Coriaria & small Gull, cont.  
 All *Ammonia* *reticulata* *Prunella* *fulva* R.B. 1950!  
 Many samples seen at the height - chiefly *Salix*  
 out of flower of *Salix*. *Oppositifolia* in flower  
*Salix herbacea* in flower & *Agrostis* in flower  
 went on shoulder & collected some with help of  
 the N. Coriaria of the same height, but in middle  
 range at N.E. entrance to Coriaria as low as the  
 lower down. On the scarp just west of col  
 a very large colony of stunted *Juniperus* *triglumis*  
 the first we had seen in the district.  
 Plants seen during the day included the above-  
 mentioned & many others, but the latter not listed at the  
 time & so not remembered. N.W.S.

During lunch many *Aptodes* *capitata* flies on to  
 our clothes & some other *Coleoptera* taken here & at the time  
 Three *Dolera* *serena* (2♂♂, 1♀) taken on 3 coasts, & several  
*Dombia* *lucida* seen on rocks, etc.

all these *Aptodes*  
 from the E. Coriaria  
 N.W.S.



12th June 1947. An extremely dull, misty day with cold E. breeze, & all vegetation very wet after night's mist. Did not go out morning, but packed up plants, mammals, & Thomson's insects to send back to Galle.

Took 12.20 bus with some party to 11<sup>th</sup> to Glen Lyon Road & walked up to Kachana-kanje, between Neelam Tavalan & Ben Lavan. On magnificent series of cliffs west of Loch M. Green had reports of *Prunella* & much *Salix pyramidalis* but in vain search, no doubt due to want of time, as we had only about 1 1/2 hours at the cliffs & we had over the lake I saw *Trollius* (in the lake), *Thalictrum alpinum*, *Arabis hirsuta*, *Briza media*, *D. verna*, *Saxifraga*, *Thalictrum*, *Geothrum* sp. *officinale*, *Salix serotina*, in flower, of various colors, & in abundance, *Rychnus* *depressa* in flower, *Cerastium*.

*Hypericum pulchrum*, *Geranium sylvestre*, *Lathyrus montanus*, *Alchemilla alpina* & "rubra", *Potentilla*, *Geothrum* (lake in flower by M. Holder), *Rubus saxatilis*, *Epilobium angustifolium*, *Sedum rosea*, *Sax. serotina* & *officinale*, *Sax. pyramidalis* (in flower), *Sax. hypnoides* & *Sax. offic.*

12th June 1947

*Angelica* & *Heracleum*, *Adonis*, *Galea borealis*, *G. sylvestris*? *Pulsatilla patens*, *Sedum* (rare!) *Antennaria dioica*, *Geranium*, *Strophophyllon*, *Geranium rotundifolium*, *Vacc. Vitis*, *Idaea*, *Pimpinella vulgaris*, *Rhynchospora* sp., *Thymus*, *Stygium*, *Scrophularia*, with white flowers at top of cliff & white below, *Oxyria digyna*, *Empetrum*, *Urtica dioica*, *Salix* sp. *arbuscula*, abundant, & one very large, very round bush - *S. caprea*, *Juniperus communis* one bush, *Habenaria viridis*, *Orchis mascula* with unspotted or white spotted leaves, *Juncus triglumis*, on wet slopes below cliffs, *Luzula spicata* & *caespitosa*, *Carex dioica*, *patens*, *paniculata* (1 sp. taken by M. Holder on wet slope below cliffs), *Capillaria*, on edge of grassy ridge below cliffs, *Caryophyllus* & *filifera*? *Stemodia*, *Linaria*, a common tall upright flower (I think *alpina*) with very broad & flat leaves, *Poa alpina* common on fallen rocks at foot of cliffs, *Woodsia alpina* 2 plants, one on dry rock with other species & the other under wet rock, *Asplenium viride*, *Aspid. hirsutum*,







13.6.47, cont. Ben Lomond, cont. <sup>1947</sup>

environmental form of *Sax. hypnoides*, but there will be, due to the same 7 or 8 other "species". I feel sure that the *Saxifraga* in Ben Lomond is what he said to see at Ben Lomond plants in 1892. I saw it with my own eyes and it is a very large, stout, robust, with small dense rosettes which really looked at first sight like a carpet moss. Other forms of *Sax. hypnoides* in the SW corrie resemble the above form in many ways, yet all are distinct, showing only forms of *S. hypnoides*. Passing on to the summit we dropped down into the SW corrie & spent an hour (about 5 P.M.) investigating the distribution of *Sax. corucae* <sup>See dated 1948</sup> & *Sax. nana*, colonies, derived probably from boulders, on the uppermost crags & at the station where we saw it on 6th June. On this occasion we must have seen at least 1000 plants & some in process of "flowering" & with bulbils in centre of the leaves. Left summit at 5.10 & reached hotel at 6.50. Mist cleared at about 5 P.M. & return walk made in fine weather with glorious view over T. Tarn. [Subsequently (22.6.47) M. S. Adam of Edinburgh explained to me that only very rarely does *Sax. corucae* ever produce a seed flower & the only one at top of the spike bearing the bulbils! B.N.S.]

4th June 1947. To Glasgow morning - to Lanark with glass falling & chilly & heavy rain.

Left Lanark by 10.25 bus for Glasgow. Left Glasgow at 1.35, changed at Motherwell, arrived Perth 2.50. Left Perth at 3.15 & arrived Glasgow about 3.50. Left Glasgow at 4.25 & arrived Ben Lomond 5.25. Then on to Ben Lomond & "The Birkies" & Ben Lomond of Ben Lomond. Passing Ben Lomond to stand in Ben Lomond, west of "The Birkies", very nice glass turned into a kind of public park, to the Fall of Donnan. Then the burn falls down the side of a rocky ravine & into a deep narrow stream. Glass full of *Muscivora pusilla*, *Geometra opifera*, *Sax. nana* (probably seen under leaf of *Sax. hypnoides* - very common on grass) *Callia nana* (very large form), *Callia nana*, *Vicia nana*, *Vicia nana*, *Vicia nana*, & very nice flowers of *Vicia nana* all looking fresh & plentiful. A few days before Mr. Green had been to Ben Lomond & returned from the locality, but he did not see it. Saw a male *Callia nana* (probably, which having been at the Birkies?)

In evening went for a stroll up Glen Lomond about half way to peak of Glen Lomond.

Large Black Beetle (*M. rufipes*) taken at "The Birkies" Ben Lomond, Mid Perth, at lunch time!







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16<sup>th</sup> June 1947. After a fine cold night, a very bright sunny morning with cool NW breeze.

At 12.15 M. back down on up to head of Glen Clova & on the east of right bank of the White Water (with Glen Fee or Fradh) & beginning at the north end of the base of the cliffs northwards to the waterfall & then up a gully south of this fall & so across the river & down an old track on N. side of the course of the Killoe Burn back to Glen Doll Lodge & then walked from this to hotel (1 hour & 20 min from gate of lodge to hotel). By the time 6.15 P.M. wind had backed SW & freshened & rain threatened, eventually coming on about 6 P.M.

Ground was taken at foot of rain cliffs & trees (4 P.M.) at top of gully ca. 2400 ft. alt. Many forms of *Salix* seen during the day but none collected until about 1/2 hr into below the fall (by stream) in Glen Fee, & from there up stream to the fall, along base of cliffs south of fall & at top of big gully where a very narrow but winding st. S. side of gully by the foot of the fall was a  $\sigma^7$  with even top & leaves only just coming out. A common green bush with lycopodium green leaves, tall & plain, found & collected by grass by stream below fall. Various ferns - several forms S. of fall on cliffs & very silvery leaves from N. side below fall, several large tree ferns.

194

16.6.47 cont. Glen Fee, 2200 ft. alt. to top of gully at ca. 2400 ft. then probably included *Salix phylicifolia*, *Myrica*, *Myrica*, *Myrica* & *Myrica*, with the "tree" supported & mixture of *Myrica* & *Myrica*. On summit *Salix herbacea* very abundant & with large leaves & 1/2 inch red about eye point. On a bush at base of cliffs S. of waterfall (? *Myrica*) many have had pair of upright but red galls, perched on 3 on on outside of red rib & 1/2. *Salix herbacea* seen by trickle on summit plateau above 2500 feet. *Thalictrum alpinum* very abundant, common on cliffs & the ground everywhere. *Viola hibernica* in great abundance on lower ground in Glen Clova & at foot of White Water, all yellow form, with very large flowers. *Salix herbacea* common *Myrica* *Myrica* frequent. *Myrica* *Myrica* frequent but least height of waterfall *Myrica* to summit plateau. *Myrica* collection. [*Myrica* *Myrica*, a few bushes by road N. of fall in Glen Clova, in flower.] *Myrica* *Myrica*. *Myrica* *Myrica* abundant & *Myrica* *Myrica* scarce. *Rosa* of *Myrica* group on cliff at ca. 1900 ft. where wind laid & Mt. Gail *Populus tremula*, a small *Myrica* on cliffs N. of waterfall. *Epilobium alpinum* & ? *Myrica* *Myrica* - the latter in stream near top of gully, the former in swampy places. *Salix rosea* on cliffs. *Salix hibernica* & *Myrica* frequent.











199.

17<sup>th</sup> June 1947, cont. Glen Blomac cont.

The plants - near the Kirk & the house (see sketch) from  
 a very beautiful clear habitat, with large light green  
 plants - some large in the open space. The  
 the = *Laminium maculatum* (side 23. small. 28.2.45. etc. note that  
 taken from same place as 1947. (Hillier) 1935 (Hillier).)  
*Selinella* & *Scirpus* *Elder* (side 23. small. 28.2.45. etc. note that  
 taken from same place as 1947. (Hillier) 1935 (Hillier).)  
 with a *Selinella* fr. of the latter. It is very common  
 growing by the bridge over the Loch - no doubt planted  
 Tenkard - *Hemerocallis* & *Sp. orcinus* - total, there.  
 cont. 22.

18<sup>th</sup> June 1947. After a very hot night the ground  
 is under a mild rain which persisted till  
 after midday (D.S.T.) & then gradually cleared  
 & a mild sun & warm wind to SW & from SE.  
 Got off in car to Glen Blomac bridge & walked up  
 north side of Glen Blomac to 'Foch's Road' at 2000 ft.,  
 then out across the bottom of gorge of the White Water, just  
 above the burnt scrub at foot of Craig Meall -  
 reported to by Wm. Gardiner in 1848 as 'some  
 old-fashioned burnt trees' - but could not possibly  
 cross the Water & so was forced down glen &  
 climbed up SW slope of Craig Meall. Had lunch  
 at foot of Foch's Road & tea on slope of Craig Meall.

200

18<sup>th</sup> June 1947, cont. Glen Blomac, 11 miles, cont.

The flora of this - the N. or left bank - side of the Glen was  
 poor in alpine & except for a few willow, mostly  
 wet - but very rich in dry. On sloping Craig  
 Meall - most *Hemerocallis* - *Sp. orcinus* *perovskii* &  
 some other low common plants were, including *Selinella*  
*maculatum*. The willows taken were as follows:-  
 (1) a small narrow leaved willow, about 13 ft. on bank of  
 burn W of Foch's Road at ca. 2000 ft., (2) a small *Salix*  
*longicaulis* *var. latifolia* on edge of burn at ca. 1800 ft. on  
 - side of *S. repens* var. <sup>aurita</sup> taken on 17<sup>th</sup> in Glen Blomac  
 (3) a small *S. repens* like shrub on side of burn above track  
 & at bottom of Craig Meall, at about 1400 ft. (4) a small *Salix*  
 about subsized by flood on left bank of White Water just  
 opposite Glen Blomac bridge, with very green leaves & large catkins  
 - possibly a form of *S. repens* \* (5) one of a number of *Salix*  
 (about 3) growing amongst Alder at same place as (4) & no  
 doubt same species or very near this.  
 At 2000 ft. between Foch's Road & the burn found a small  
 green nest of *Vespa norvegica* (under a large bush) made  
 of grass & horse manure, gone, but of what material I  
 have no idea. Not recognizing the nest I tried it  
 with my foot & crushed it off road, the top of it 2 feet  
 with my foot & crushed it off road, the top of it 2 feet

\* Prof. J.W. Hurler-Harrison of Edinburgh considers this plant probably  
 (*repens* x *aurita*) x *Salix* *repens* - a hybrid, not yet named. About 1848















21-6-47, cont. - Corrie Fee, cont.

*Lygala spicata* frequent & on summit & on top part of path - *Vallisneria*; also a very small tree fern of *L. complanata* or *multiflora*?; *Carex pilularis*, *C. rigida* very abundant & variable in size, 5"; *C. strickii* frequent & some *Carex* petaloid seen, *C. panicea*, *C. vaginata* very frequent on wet slopes & dripping rock in many places & very distinct when once seen, *C. pilularis*, *C. flacca* (glauca) rarely seen, *C. flacca* swamp, but none more than showing flowers, *C. tenuis* frequent & very variable in width of leaf, 2", on lower parts of steep slopes. *Lyopodium* in *Selago*, *C. effusum* none, *C. chloratum* none & only seen by deer tracks in Corrie Kill; *Selaginella*; *Polypodium* *Bryopteris* none & *P. Phlegmaria* very abundant, *Cystopteris* *fragilis*, *Polystichum* *hookeri*, *Blasium* & also several plants on cliff in gully where a tree fern (which looked rather like *Polystichum*) & several *Blasium*, but none *hookeri* - partly only juvenile *Cystopteris*, yet the lower part! Except a few beetles & one *Schizura*, no insects of interest seen during the day. The *Schizura* is a ♀ & seen to be certainly *Schizura subvirescens* Zell., with red patch on mesonotum, red ventral line & feet whitish, head brown & abdomen & antennae, & entire yellowish-fuscescous wings. ant. 33-segmented.

Sunday

22 June 1947. A fine day, wind very light with some N. wind.

Spent forenoon sweeping for insects about the site of the lake, above, on left bank of P. Loch. Swept under trees, particularly on fall of rocks (C. rocks, as follows) & *Gordonia*, in ravine N. of road, & around by old burnt trees, which were also swept. Also took the following insects: -

Glen Clova, Inverclyde. 195 males from 1st & 2nd labelled (13.2.50 at 29).  
 11♂♂ 12.30 seen = 1.  
*Selisia fusca* ♀ & ♂ taken while it was sweeping!  
*Selisia* aff. 5000.

- Gordonia* *serena* 3 ♂♂ 10
- D. trilineata* 1 ♂, 1 ♀
- Stictopoda* 4 (♂♂ & ♀♀), ant. 9, 10, 11, 12
- Pimpla flavicollis* 2 ♂♂, ant. 11 & 12
- P. albata* group ♀, ant. 21
- Phytodietus* sp. ♀, ant. 34
- Hemiteles* ♂, ant. 30 (part of *trilineatus* - *trilineatus* ♂, ant. 30)
- Proctos* *pubescens* ♂, ant. 25
- Polyporus* *volvulus* 1 ♂, ant. 30
- P.* sp. 2 ♂♂, ant. 11 & 12. *Proctos* sp. ♂, ant. 25
- C. trilineatus* 2 ♂♂, 1 ♀; ant. 11, 12, 13



28. 3. 47, cont. Glen Clova, Angus, cont.

*Sarcophaga pingvincta* Hal? ♂, on bird 4th August in Glen Clova 11.2.49.

*Musca* 5 ♂♂, 1 ♀, on ground ♀ =

*Tabanus*? ♀, ant. 18

*Phaenocarpa* 1 ♀, ant. 21, extremely debility, but on the very membrane!

*Chalcids* 1 ♀, ant. 21

*Rhyssalus* 1 ♂, ant. 22

*Eubodys* 1 ♂, ant. 24, 29

*Euphor* 1 ♀, ant. 18

*Cynipid* 1 ♂, ant. 24

*Phaenocarpa ruficeps* ♂, ant. 26, small sp.

*Campoplex* 2 ♂♂, ant. 19, 22, 22 =

*Dacnusa affinis* 2 ♂♂, ant. 14, 15

*D.* 1 ♀, ant. 30

*D.* 1 ♀, ant. 20

*Coelinius* 1 ♂, ant. 52

*Tox.* 3 ♂♂, ant. 40, 40, 40

*Ephedrus* 2 ♀♀

*Cephalosia dissoluta* ♂, ant. 16 + 4 others ♂♂, ant. 16-17 =

28. 3. 47 cont. Glen Clova, Angus, cont.

*Praon* 1 ♂, 1 ♀ =

*Chalcids* 2

*Cynipids* 3

*Eubodys* 11

*Euphor* 2

3 P.M. 22. 6. 1947. Swift in nearby spot behind the hotel, Clova, the following = station 2 (7 insects, all from 20th June 1947)

*Promethes* 1 ♀

*Polyblastus*? red abd.

*Mesoleptus* 2

*Hadropsectus* 5 ♀♀?

*Coel.* 1 ♂ =

*Phaenocarpa ruficeps* ♂

*Praon* 1



22.6.47, cont. R. Eek, Glens, Antrim

4.30 - 6.0 P.M. Swift & fields, along river

bank, under & off birch trees, on left bank of R. Eek, 1/2 mile below Miller of Glens. See list of following

[170 numbered from 1 to 170 were labelled from 16 to 23. 2. 1950! 20/5/51]

*Beauveria leucospila* 1 ♀, the only specimen seen during a very fine day. *Platygaster* 1 ♂, 1 ♀. *Cremastus fuscicornis* 7 ♀ on ground below birch trees & probably freshly emerged.

*Antennae* of wood:

*Leucostictus* - swarms of *supra* ♂, ant. 26. *Atractodes* *pubescens* ♂, ant. 20+22

*Hemiteles* - 1 ♂, ant. 19

*Stenomacrus* of ♂, ant. 21

*Mesochorus* *ultrator* 2 ♂ (ant. 24+25), 1 ♀ (ant. 24), all present, kept in hand cases!

*Zenopsis* *in piceis* 7 ♂, ant. 20+22. *Homocidus* *speciosus* ♂, ant. 20

*Stenomacrus* *ridibundus* ? ♂, ant. 26. *St.* of *affinis* 2 ♀♀ - mutilated!

*St.* (*Mesochorus*) *bruttus* ♀, mutilated! *Mesochorus* of *collaris* *Griff.* ♂, ant. 20, 2 ♀♀, ant. 21, 21

*Chalcid* *fortipes* ♂, ant. 21. *Polystenus* *varicornis* ♂, ant. 25+27

*Stenomacrus* of ♂, ant. 20+22. *Metacoelus* ♂, ant. 22, 2 ♀♀, ant. 20+21

*Mesochorus* *fulvipes* ♂, ant. 22. *M.* ♂, ant. 20, 1 ♀, ant. 20+21

*Phaenocarpa* *lucida* ♂, ant. 33. *P.* ♂, ant. 20, 2 ♀♀, ant. 20+21

*Apanteles* ♂, ant. 31. *Antennae* *sligiosa* ? 2 ♀♀, ant. 20+21

*Bracon* ♂, ant. 26, propodeum very rough, etc. of *brachygnathus* *For.* ? *unusquodlibet* 27. 1950!

22.6.47, cont. R. Eek, Glens, Antrim

4.30 - 6.0 P.M. cont.

*Apanteles* *lucida* ♂, ant. 33. *Apanteles* ♂, ant. 29, 2 ♀♀, ant. 29

*Antennae* ♂, ant. 22. *Antennae* ♂, ant. 24. *Antennae* ♂, ant. 22

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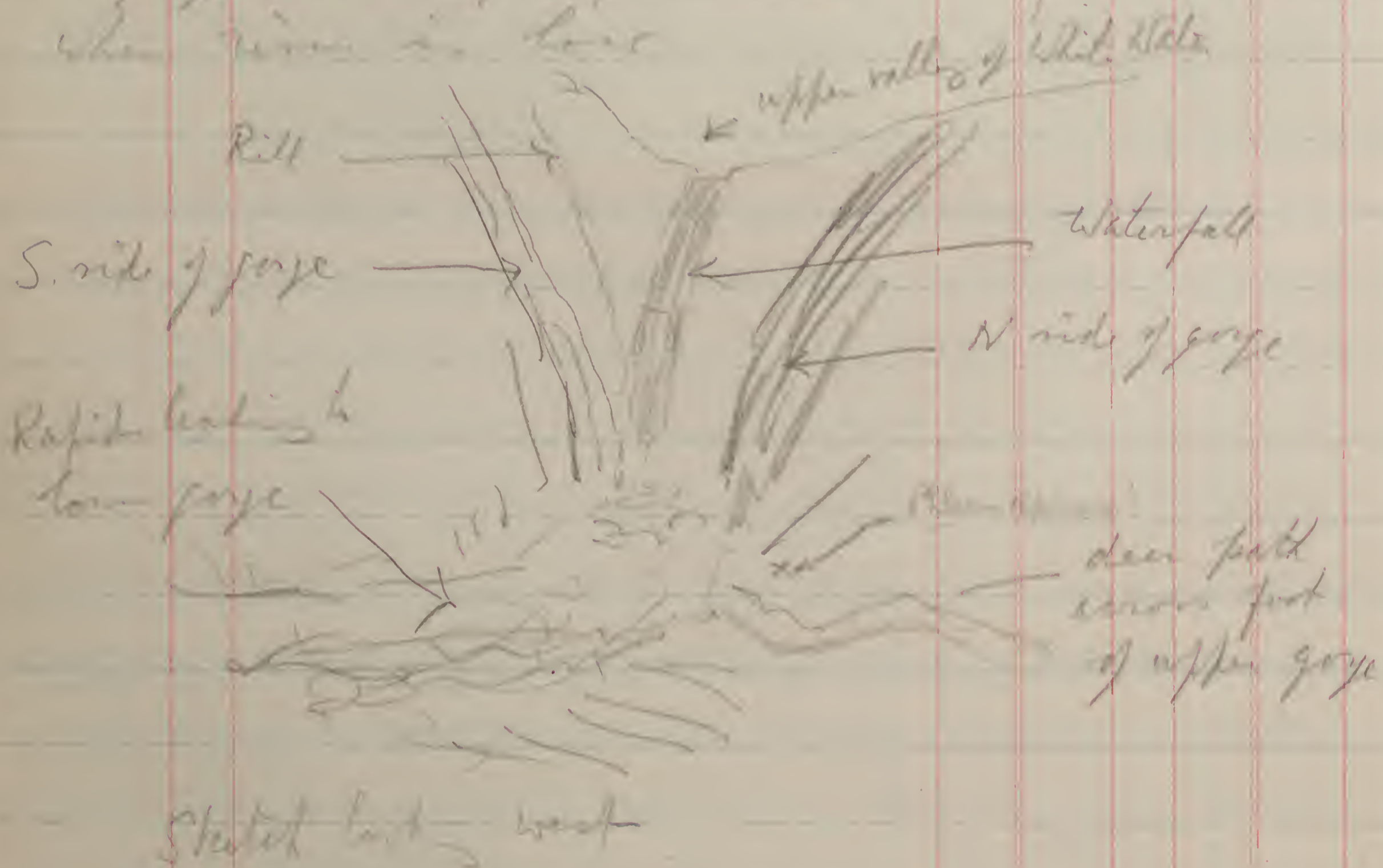
23<sup>rd</sup> June 1947. A fine day after rain at night, with rain & drizzle from 12.30 on till about 2.30 PM. Got left in car to Glen Ball Lodge & walked to foot of Loch Road, the course of White Water except some trees without access, reaching in 15 mins. to reach the 1st station on the bank. Then I taken at foot of Craig head & on right bank of White Water just below the gorge. Then walked up a slope of Craig head & led to (202) station on right of Craig head (see sketch) below the great patch of Bryon on (p. 202) just to west of the house. At base of this slope saw all the plants noted on 19<sup>th</sup> (p. 202) & also one patch of *Pyrola secunda* on ledge with *Loiseleuria* etc. - the former with one spike of flowers & some of last year. Just as we approached the Bryon patch & house we went steep but taken place I found the plant of *Astragalus alpinus* & just above the & again 20 yds further SE saw plenty of the plant, but none yet in flower. Returned to foot of gorge of the White Water for tea at 4 PM but again failed to locate *Loiseleuria*, crossed the bridge & back to car at the Lodge at 6.30. In evening rain I stopped home & took a very fat collecting bottle full on the road & back after 27 mins use.

24<sup>th</sup> June 1947. A dull wet day with falling glass. Rain or drizzle practically the whole day from 8.30 AM until 10.30 PM. The wet days are in the evening, so that bus in afternoon to Thurston, enough for journey down to Dublin on Monday 24<sup>th</sup> but afternoon tea at The White House, 10.30 AM. A very nice little hotel, & some lunch to blow by 5.30 PM from "the island" which is probably spoken of. Parted down in the day of plants & box of insects.

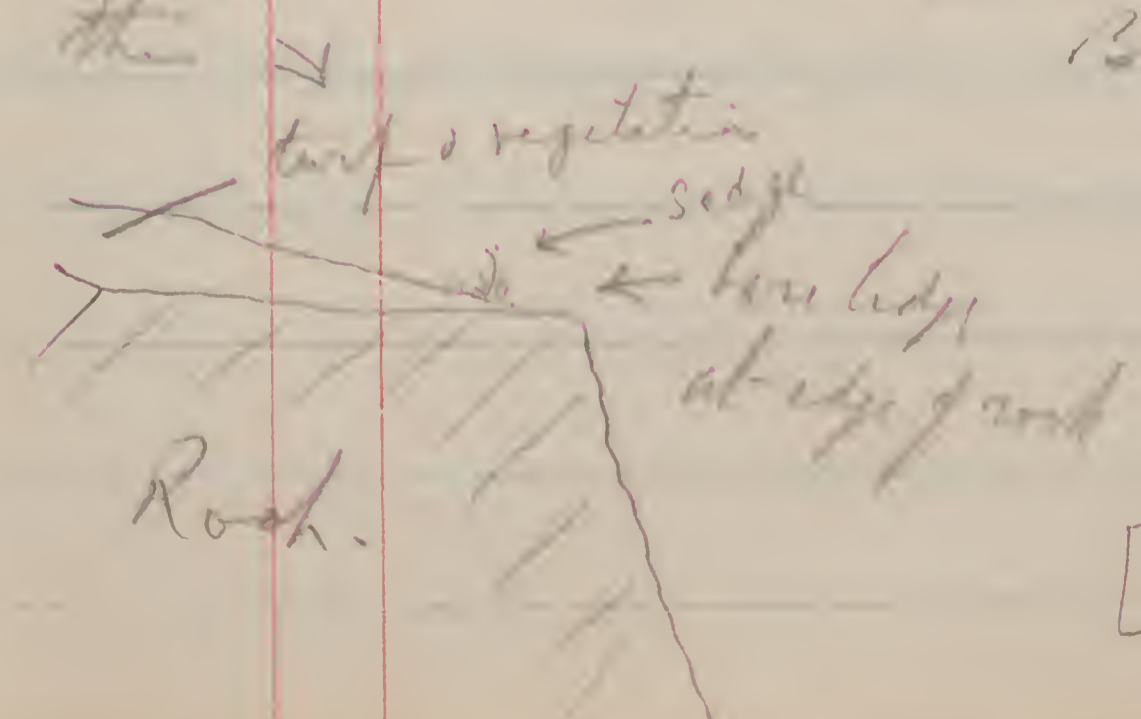
25<sup>th</sup> June 1947. A beautiful day, with much hot sun & gentle, but fresh & cool, W-NW breeze, after a very wet night. Rivers & lochs all in rapids & marshy spots flooded, yet most of the uplands easily traversed dry shod. Got left in car to Glen Ball Lodge, 10.30 AM, & walked up the path (to Braemar) & for a summit of Loch Road gully & then cut across to the gorge of the White Water just below where it falls over into top of



25.6.47 cont. Little Cabramuch, cont.  
 the gorge from the upland plateau (alt. ca 2200ft.)  
 passing on the way some sedge-filled hollows,  
 then the sedge some just showing flowers  
 & possibly belonged to *C. apertus* & *Gardneria*.  
 Traced to from the White Water gorge & below the  
 fall & at least in upper gorge but too faded,  
 though here found specimens of *Alchemilla* in  
 flowers outside of gorge. Very nice ground in  
 the gorge below fall, but could only be reached  
 when river in low.



25.6.47 cont. Little Cabramuch, cont.  
 crossed the White Water about a foot above the fall  
 where it is an ordinary moorland burn & made for  
 some rocky crags to W. (North) at alt. of about  
 2,500 ft. There had lunch at about 1.15, passing  
 over sedge-filled hollow of substantial species  
 like small *apertus* - *scaberrima* - & large *Gardneria*  
 possibly the "exception" of *G. Gardneria* in flora of Purvis.  
 After lunch proceeded northwards along cut scarp  
 where much *Carex* & *Deschampsia* fern, with *Carex rigida* &  
*Trisetum* <sup>small *C. rigida* sp.</sup> & soon came on the slope of the  
 Parsley Fern (*Cyrtogramma cuneata*) under a big  
 rock (took one last year found!) down to & below the  
 last remnant of a very large snow patch. 7ft  
 yards further along on top edge of another large  
 rock found a small sedge with no flowers visible  
 with 2-3 *C. apertus* & no more flowers showing, which  
 may prove to be ~~the same~~ <sup>understand *C. rigida*!</sup>. It grew in situ like  
 the



Brought small piece of clump to  
 grow & flower, under to dry,  
 & some *C. rigida* for comparison  
 from same place.

[This flowered in 1950 & is *rigida*  
 A.W.S.]



25<sup>th</sup> June 1947, cont. Little Cullinnoch & Tombruidh  
 Rounding shoulder of hill dropped down into a large  
 area of mossy heath, mostly bog, full of sedge, but  
 none but *Godwinia* (?) yet showing flowers & white  
 being wet with some stony ground on the  
 watershed between a tributary of the White Water  
 & Glen Carron. I went straight across the bog  
 making for Tom Bruidh, reputed to be the home  
 of *Hyssopus alpinus*. A pair of Goshawks kept  
 us company at this place, standing on tall grass  
 & making their plaintive cry which I saw, says  
 in the rusty door-logs & I saw, under  
 a squeaking hand-pump. When I rejoined  
 Daisy she had specimens of Sea Pink, *Cordylina*  
 & *Chelonia sedoides*, which made me suspect that  
 she might have found the habitat for *Hyssopus alpinus*  
 but as nevertheless contained the account of Tom  
 Bruidh, under the impression that its summit  
 (Ord Survey alt. 3140) must correspond with  
 W. Gardiner's "Little Cullinnoch" summit, alt.  
 given by him as 3,200 ft., crossing some heavy  
 peat with much Cloud Berry & *Vaccinium*  
*uliginosum* & then coming out on a dry

25<sup>th</sup> June 1947, cont.  
 slope where in places *Carex rigida* on the summit  
 & about only vegetation. Repeated search on summit  
 failing to produce any plants of interest, beyond  
 lots of *Scirpus spicatus* & *Juncus tripartitus*, we  
 eventually returned to Daisy's stony ground,  
 but not before we had enjoyed the magnificent  
 view over head of Glen Ballater to Lochaber  
 on the right & in the distance the whole range  
 of the Cairngorms from Braemar, the Tarrig  
 Gorge & Ben Macdui eastward - the highest  
 one day short of the eighth anniversary of our  
 ascent (with George) of Braemar on 26 June 1939.  
 To the west we looked into the Glen of Buchan  
 with Glass Hells behind it. <sup>At the top of the</sup> ~~down E~~  
 slope of Tom Bruidh, where <sup>the first plant I saw</sup> ~~the first plant I saw~~  
 flowers at 3,000 ft., the first plant I saw after  
 the Sea Pink, was one of *Hyssopus alpinus*. Even about  
 an acre of stony waste the *Hyssopus* was abundant &  
 though very short and narrow & even here some  
 could be found in flower & it was evident that  
 a vast snow field had covered this area  
 until comparatively recently. With the *Hyssopus*



25.6.47, cont. Little Culbreanoch, cont.

green *Chamaedocoides*, *Artemisia*, *Loellera* sp. (the "groundsel" of Gardner's "Flora of Forfar") some plants of which had quite purple flowers like those seen at Forfar by Gardner & others - the majority had quite white flowers; *Juncus triglochin* also occurred & some grass (not in flower, though one taken before).

The steep ridge from the watershed of the three burns - a tributary of the White Water draining E, the Braemar drain west, & the Little Culbreanoch Burn draining South when in about 2/3 of a mile it meets the Foulie Burn & turns east & drops into the gorge of the White Water. At the head of the Little Culbreanoch Burn in a vast area of springs filled with sedge & amongst them *Galium* for a large patch of the scabrous *Loera* *resupinata*, which in the present place grows an alpine form of *C. curata* (the *delicata* of *W. Gardner*) & a puzzling plant of the *Agrostis* - *Goodenium* group (only just coming into flower!) possibly the "*Loera* *resupinata*" of W. Gardner's "Flora of Forfar". From all this it is evident that Gardner in referring to the "Summit of the Little Culbreanoch" did

The actual altitude of the locality for *Loera resupinata* is about 3140 ft. (see also p. 218)

25.6.47, cont. Little Culbreanoch, cont.

not mean the summit of Tom Smith, but the ridge at least or summit or source of the Culbreanoch Burn, though his altitude - "3200ft" - would lead one to believe he intended Tom Smith, alt. 3140.

The actual altitude of the locality for *Loera resupinata* can at I think be more than between 2,800 & 2,900ft. Leaving the car reluctantly about 3.45, we proceeded down the Little Culbreanoch Burn, over vast wet areas of almost pure sedge - a type of ground I have never seen before! - to the junction with the Foulie & then down the latter burn to its fall into the White Water, which I think W. Gardner refers to as "The Head of Foulie". We had tea on rocks at head of the Head of Foulie & left there at about 4.50, crossed the White Water at some place in morning, down the fall in gorge, reached the Braemar path & got back to meet the car at Glen Ball Lodge at the exact appointed time of 7 P.M., after a memorable day.

During day saw very few *Salix*, but



25.6.47 cont. Little Bulbinch, cont.  
 met with two plants of a very curious elongate-  
 branched, downy, form on the rock at the creek  
 place, at 2500 ft. W. of the White Water - I saw  
 several bushes by the Forks Burn where it cuts  
 through the rocky ridge before falling into the gorge  
 of the White Water & took specimens from a ♀ bush  
 just above where we had tea.

On our return journey & just before we left  
 Jock's Burn at 7200 ft. saw a small  
Fritillaria Buller's, which could have been  
 either Cupressus or Salix.

Took one specimen of Samolus  
 with fungus practically on the summit of Tom  
 Buidh & several Aphrodia at the creek  
 place.

26th June 1947. Another very fine day with good  
 S.W. breeze & much hot sun.  
 Got left in car to Glen Falls Lodge at 4800.  
 crossed the White Water & went up its right bank  
 to junction with the Forks Burn, turned up the Forks  
 & crossed it, collected specimens from the bushes  
 (♀) of the "Green Salix", & followed it till opposite  
 the big talus - far W. of Craig about & the west  
 of the long green slope to cliffs to look for  
Oxytropis caespitosa beginning E. of the green slope  
 after having searched gradually westwards & as we  
 went the flora grew richer till just after passing  
 over a talus & across of fine pebbles where we  
 came to a cliff with plenty of the Oxytropis  
 & many fine clumps in flower, then looking at  
 a distance just like every other clump of  
Anthyllus tuberosus - many clumps & many seedlings  
 seen all over the lower parts of this cliff & many  
 other nice plants seen here including the following:  
Draba verna, Saxifraga Thibetana (only one plant of each  
 seen & both in seed!), Salix arvensis, Segnia alpina?  
Cerastium (undulatum?), a small fern, with minute flowers, divided  
 petals, on rabbit-cropped grass slope below cliffs;



7/23

26.6.47, cont. Cornia Fee, Glassy, cont.  
*Lychnis viscaria*, *Wrightia canaliculata*,  
*Lathyrus montanus* (very large form on cliffs, with short  
 leaflets; some see 2 ft. high!), *Abies* spp.  
*Rubus* Idem & scabellus, *Sparganium*, *Rosa* sp.  
 (Cornia group), *Prunus* viridis (a few on some lower  
 cliffs - some old trees, some young bushes), *Epilobium*  
*angustifolium*, *Sedum* rosea, *Senecio* ovatus &  
*S. nigra* & *S. sp.*, *Galium* truncatum, *Sanicula*  
*jacotina*, *Androsace* puberula, *Samolus* laevigatus all  
 on steep below cliffs, *Thlaspi* spp., *Geophila*  
*confertifolia*, *Lychnis*, *Caryophyllus*, *Polygonum* viride,  
*Silene* spp., *Populus* truncata, *Salix* bullata, *Catalpa*  
 (all on cliffs near *Caryophyllus* at ca 1500 ft.), *Juniperus*  
communis, *Orchis* maritima, no *Juniperus* or *Orchis*  
 of special interest, but several interesting grasses  
 taken, including a fine robust *Poa* on edge of  
 cliffs, *Poa* alpina seen, *Festuca* rubra? 12 ft. 13 ft. tall  
 high on grass slope; *Carex* prostrata & alpina?  
 Holly Fern, leaf of *Woodwardia* like fern, but no  
 fern or *Sparganium*.

*Caryophyllus* pygmaeus  
*juncea* ??

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26.6.47, cont. Cornia Fee & Cornia Stumpf, cont.  
 At 2.30 crossed head of Cornia Fee & went up base  
 of cliff east of waterfall & round bottom below  
 Cornia Fee & the eastward upper corner, which  
 Mr. Corbitt calls Cornia <sup>Stumpf</sup> ~~Stumpf~~ in a last attempt  
 to find *Carex* alpina but was not pined. Whole  
 round - the above bottom & corner, base of which  
 came up by path of *Lychnis* viscaria,  
 with some first *Androsace*. Had tea at 4 P.M. & then  
 climbed same gully as on but up to top of  
 rock (side gully to N. of main gully, very steep &  
 very slippery (part) see top but we got up & went on to  
 plateau & then across spur of  
 & down by the deer-track down Cornia Falls.  
 In upper gully I found small *Carex* strickii of  
 small form & several culms, with a *Lychnis*  
 (??) *sp.* (spiked) well below the normal band  
 of *sp.* at top, also saw some *Silene*  
 included: the narrow band *Silene* leptocoma  
 & the *crataeoides* leucota? & a possible  
 hybrid between last & *reticulata*. On way  
 up main gully saw about six plants of  
 little fern thought to be a *Woodwardia* or  
 = *Caryophyllus* pygmaeus !!

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but these quite of them - some with fruit & some not.

During the day saw 4♂ of Arctia cappa in several places - also saw several ♀ B. lina down down.

Found just a colony of Housmania breeding on cliffs, where a good many overhanging occurred. Think accounts for repeatedly seeing the birds up to 2700 ft. in the area on previous days.

27<sup>th</sup> June 1947. A very fine morning with very little sun & few clouds, but afternoon changed & a slight drizzle from 5 till 7 P.M. - latter, the sun & fine, then the weather to South.

After a early breakfast got off 2 - 400 to Glen Ball Lodge at 9.15 - 9.20 & set out for Carabochan at head of Glen Ball, 10.7 miles away, rough country, via the Bannockburn track & Jack's Road, the across the White Water, just Tycharia alpina habitat by head of the Little. Carabochan Burn to head of Glen Bannockburn, then had lunch at 1 P.M. by burn just E. of Bannockburn Burn & just before it drops into the Glen. After lunch proceeded across slopes of Badrig, over 3000 ft. ridge to head of Carabochan Glen, over very rough ground at first which was delayed us but it was nearly 3 P.M. when we reached head of Carabochan; we therefore decided it was too late to descend & explore the cliffs of the Glen & so turned northwards & back to Bannockburn Burn where had tea & left before 4 P.M. After tea set off across moor for The Dun Hill, passing on the way the Carabochan.



27.6.47, cont. Glens to Caenlochan & back of the Falls, Duncuth, & Fee Burn, around all of which immense snow-fields had lain until quite recently & the vegetation not yet started growth properly. On all the ground were the fruits of Red Deer & many. Duncuth & at the Lychin station on outward journey, scattered three small birds, which flew about wildly when a shrill whistle, raised like a signal bell, off station (1931 of Dublin?), after crossing the Fee Burn, kept along N.E. bank of 'Moyar' by low track & so to head of the deer track down Killoharrie to Glen Ball Lodge, then picked up by car at 9 P.M., but we could easily have been there by 8 P.M.

Greenhaugh - probably!!

First stopped to look for plants after crossing The White Water, where some of the so-called *Cory aquatica* was in flower in a marsh associated with a pool of *Gordonia*; then ascended N.E. end of scarp above Caenlochan (seen on 25<sup>th</sup>) & found a large patch of *Lycopodium obscurum* on narrow mountain base & some *Carex repens* on its wet slopes. *Lycopodium alpinum* still not in flower at head of Little Caenlochan! By <sup>the</sup> track place

27.6.47, cont. Glens to Caenlochan & back on a rocky scarp above the low valley, plants of a *Hieracium* (? *H. alpinum*) with one large black bud on east summit. In coming down N.E. of bed of Caenlochan, much nice ground covered with *Salix*, *Vaccinium myrtillus*, *Lychnis viscaria*, etc. & some *Carex repens*. *Carex repens* from top of Caenlochan Glen went up a small hill, which covered from a large snowfield & on its edge from *Sax. hypnoides* & small form of *Carex repens*; & in some places near & above the rock several good sedge, some of which by the mountain *C. pauciflora* <sup>NO!!</sup> to very common near after tea was *Juncus hypnoides* in marsh to a willow & at head of another track & they were that at first sight looked like *L. hypnoides*, but which are probably only started.

During return journey also collected several tiny fruits of *Carex rigida* & in one rocky spot near source of Paula Burn, a very strong stocky sedge of the *Gordonia* & *aquatica* group, with very hard stiff leaves - all the plants in this spot two slices & one brought home to grow.



27.6.47 cont. Clava to basaltic - back  
During day saw much *Junco hyemalis* on the  
high ground, especially on that between the  
Barron Burn & Camboula & on the rocky  
toss on near shore S.W. of the barrow etc,  
where it is associated with *Corvus corax* &  
*Luzula spicata* - the latter also seen frequently  
during the day.

*Bombus lapidarius* & *terrestris* seen in several  
parts of the day on moor at Thorn - flor  
& a pair of *Andrena lapidaria* taken with *Junco* birds  
nearby, locally one seen on Jack's Road at  
ca 2000 ft. Two *Phylloscopus* Butterfly seen  
near head of Jack's Road, one side of main  
asphalt & the other side of asphalt.

*Coleoptera* *Calathus melanocephalus* (Spill), *Loricaria*  
*fulvicornis*

28th Jan 1947. A very warm day with little wind in  
forenoon, much sun, sea blue, & sea quite out,  
fresh in afternoon with S.W. breeze, after a level  
thunder burst in evening.

Did not go out till 11 AM, but the end of with  
strong from East Brandy (to gully) & in evening, which  
some *Calathus* & *S. Phylloscopus* seen, but did not  
collect. *Phylloscopus* & *Junco* seen near main asphalt area  
on edge of hill & at entrance of asphalt area.  
Did not take any insects, except a small *Calathus* flor  
area - to one in the spring at the entrance.  
Saw a pair near edge of hill of stone, top of hill -  
Veronica (1 like seen) & in later in cliffs N of  
Jack's Road; also 1 ♀ of sp? which abundant near  
black with orange, red tail & on centering and lenticular  
but fairly denticular on prothorax, the of the red  
margin of the prothorax, also saw several ♀♀ of Junco  
terrestris & several unidentified at entrance of asphalt area.  
On summit of the hills, N.W. of Jack's Road, the main  
part was of the same species but difficult to collect  
as a high wind blew across the ridge at the time  
(5.30 P.M.).

After lunch at 1.15 PM to outlet of the Brandy  
found a larger than typical *Calathus* form of *Junco* terrestris.







23<sup>rd</sup>

29<sup>th</sup> June 1917. - A fine hot day with much hot sun.  
Collected before<sup>1</sup> & after<sup>2</sup> afternoon tea around road  
west of road, in hollow of a meadow, about 1/2 mile S  
of (Hotel) hotel.

Taken at 1. *Colaspis* *Blagoder* *cap.* ♀ on a stump.

24<sup>th</sup>

29<sup>th</sup> 20<sup>th</sup> cont. - *Blagoder*, *cap.*, cont.



3rd June 1947. Left Milton of Glouce by car at 6.30 AM. (D.S. Tim?) I caught 7.20 train at Kilmarnock stayed at Inver, Perth, to hotel & stayed overnight at Liverpool 6.0 PM. Went on board the S.S. South at 8.15 (E. 21 Lin!) & reached West Wall, Lough at 7.30 on 13th July. Home for breakfast 8.30 AM.

END OF SCOTTISH HOLIDAY 1947.

For information about plants of Glen Glouce areas write to Miss Maudie R. Thomas, 10 St. James's Terrace, Glasgow, G4.

6th July 1947. A small ♀ *Pentamerus pallidus* taken by P. O'Keefe on window of the Glouce Boat Club, Dublin: antennae 35.  
7th July 1947. A large ♀ *Merodon* taken by N.S.D. Westropp back garden, 10 St. James's Terrace, Gloucestre, Dublin: ant. 35.

13th July 1947. The first really fine summer day since our return from Scotland. Very hot sun almost all day, strong wind W. SW wind. Rode, Harry to Gollinstown, Grand Canal to Dublin & returned by bus. In three areas, as follows, but some too hot to stay for small insects.

- 1 = Edge of canal & ~~the~~ grassy bank S. of canal & W. of Gollinstown Bridge.
- 2 = Edge of third grassy bank, W. of station & W. of fence.
- 3 = Edge of old grassy bank on N. side of canal & opposite station 1.

Gollinstown, Co. DU.

Insects taken at 1. [18 mounted from 1 & then labelled 10.2.51]

Cryptinae. 14, including *Chalcididae* *Chalcididae* not all.  
*Pezomachus* cf. *micromus* ♀, ant. 15, very short body, etc.

*Anthrenus dorsalis* 3: not all.

*Zootaphus* *zootaphus* ? 1: not all.

*Meloboris* 1. 207, 244, red cases, none all.







13.7.47 cont. Golden Lane, C. DU., cont  
Taken at 3 (5 minutes from 3 & this labelled on 17.3.1951?)

- Cryptinae 2: not at all.
- Meloboris 1 ♀ red cover; not at all.
- Canidia 1 ♀, kept; ant. 19.

- Stenomacrus fuscicornis 20/23: not at all.
- Opusella caesia? ♀ kept; ant. 24.
- Pentapleura pumilio? not at all.
- Exochus 2: not at all; 1 small, 1 medium, 1 large; ant. 10.

- Proctos 2
- Chalcids 2 (none at all)
- Cynipids 1

18 July 1947. Taken in woods in Kilmacshane, near Clonsilla Rd.  
Chalcid from number 13 - ant. 24 - large Chalcid (cf. Tergites) ♀

Specimen with spine beneath hind femora = *Dicromerus armatus* Rob.  
cf. M. H. K. & V. G. 1951

19th July 1947. Taken in house at 10 P.M. coming on newspaper  
containing dried plants brought from Scotland (flower dried)  
but probably almost absent from 14 Clonsilla Rd.

*Calidota f. pumilio*? ♀, ant. 27, head suboval

19.7.47, cont. ~~Golden Lane~~  
On this day a great ♀ specimen in the window of my room -  
Museum, from Kilmacshane, a large leafhopper about  
the time nearly every year since I can remember  
or become interested. I regret that other specimens  
recorded the date in my diary!

22nd July 1947. Spent part of fine morning in back  
garden. I got first ♀ of the season on *Trichostema*  
(100% present), usually the spines come out towards end  
of long narrow leaf & in one by end of July, but not one  
before going to Scotland on 28th July & more seen since  
returning on 3rd July & so that concluded (at least) that  
the season with leaf as reduced this summer that  
if any had appeared it would have been during my absence,  
but if 20th seen today, suggest early & belated appearance  
though probably a second emergence.

During the morning with the sun several ♂♂  
& ♀♀ of *Myrmica ruginodis* & *Myrmica ruginodis* in the  
back garden & on 20th a ♀ of former & flower of *Geranium*  
*pratense* in front garden - 14 Clonsilla Rd.

28th July 1947. A minute, fat, almost spherical Chalcid found in garden  
14 Clonsilla Road on plant recently brought from Scotland



30 July 1947. A very hot day, 2nd year to 50. breeze  
I went to see, some about, after a hot walk.

Went to Barth Howard, across a field  
by Rev. H. M. Bishop, he went to look for  
Purple Hairstreak Butterflies but saw none - too  
early I think. I collected in the woods & places  
two numbers as follows:

Barth Howard, WI.

- 1 = Woods between avenue & railway, 1/2 mile S. of gate  
near the meeting of the Water. 12 noon till 1.30 P.M.
- 2 = Woods along railway, 1/2 mile S. of stone bridge, trees  
& oak wood along railway at same place, & field between  
railway & river from my cutting to bridge, near railway,  
1/2 mile S. of bridge.

beetle taken at 1. (30 minutes - then labelled - 1.2.1951!)  
*Chrysomelid* sp. ♂, small, body yellow! not all.  
*Phryganid* ♀: not all.  
*Cryptinid* ♂: 2 others = *Mantodea* sp. small ♀, ant. 22  
*Phygadeuon* sp. ♂, ant. 17  
*Pimpla* ♂ + ♀, latter only, small. = *P. waterplover*? ant. 16  
 off

30.7.47, cont. Barth Howard, WI, cont.

*Pimpla* ♂ + ♀  
*Hydrophilus* ♂? elongate abd., var. black, ant. 49.  
*Stenomacrus* ♂, very highly coloured, ant. all.  
*Homocidus flavicornis*? ♀, ant. 25; hind coxae black, feet & mid  
 coxae yellow, black head!  
*Phygadeuon* ♀, ant. 16.  
 larval ♂ = *Aglyptinus confusus* ♀, ant. 49.  
*Campoplegid* ♂ = *C. albipes* ♂, ant. 20, hind coxae black.  
 but the ant. 17! AWS 1.2.51!

*Colletes haecum* 2 ♀♀, ant. 16  
 Range of *Microgaster* ♂♂ and ♀♀, some + steps black.  
*Microgaster bidentatus*? ♀, ant. 34.  
*Euphorus pallidus* ♂, ant. 16.  
*Stenomacrus* ♂, ant. 24, and 4 others, of which only one abd. =  
*C. rufipes* ♂, ant. 30, hind coxae in 3 abd. =  
*Abelona flaviventris* 1 large ♀, ant. 39.  
*Microgaster* ♂ = *M. curvicauda* Hal. 6 large ♀, ant. 29. Very nice! AWS 1.2.51!  
*Campoplegid* ♂ 10 = *C. denticulata* ♀, very nice! Antennae 27, 28, 29  
*A.* sp. ♂, hind coxae black, ant. 20. *A.* sp. ♀, ant. 20, ♂ ant. 24.  
*A.* sp. ♂, dark legs, ant. 21. *A.* sp. ♂, ant. very long, 23.  
*A.* sp. ♀, dark legs, very curved, short, black, ant. 21, ♂?, ant. 23.  
*A. flavicornis* Hal.? ♀, ant. 16.  
*A. (Synaldis)* sp. ♂, dark legs, ant. 22.



20.7.47 cont. Gault House, W.I., cont.

Take at 1 cont.

Occurrence of *Acrida* <sup>but only 20. my antennae rather with light 1st.</sup> *Acrida* 17 - the only one - *Acrida*

[*Acrida* 17]

*Proctos* 16: 1 mounted!

*Chalcids* 7. None mtd

*Cynipid* 1. Not mtd

*Beetle* 9, includes 2 yellowish jumping on plant of

*Solanum* *crispum* *retrofractum* growing on wall of garden  
or lawn. It appeared to be *disjunctum* (see 11. 12. 47)

[Also a golden-pubescent jumping weevil taken at 2! 8. v.]

Beetles given to E. G. M. King!

20.7.47 cont. Gault House, W.I., cont.

Take at 2. [In 9 mounted from 20. 21. labelled - 2.3.1951]

*Phygadeuon* 2: not mtd

*Cryptin* 8: only 1 mtd. = *Atractodes* - ♀, ant. 24, 25 mtd.

*Pimpla* *hirsuta* group small ♀, mounted in 1st lot! ant. 20.

*Stenopogon* *atra* ♂, ant. 20.

*Bracon* *scutiger* ♂, ant. 18.

*Homocidus* *pallipes* ♂, ant. 22.

*Stenomacrus* *ventralis* 2 ♂♂ 19, one light yellow, other

*Adelphocera* *truncicornis* ♀, ant. 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.

*Euclyptus* of *divulgata*? 1 ♂, ant. 19; 1 ♀, ant. 20.

*Campoplex* 1 ♂: not mtd

*Pezomachus* 1 ♀ = same species as taken at Athdown, Co. WI.  
ant. 29.

(2) 20.8.1944 + (1) 20.8.1944. *Enallagma* ♂ see p. 245 →

*Aphidius* of *pallipes* ♂. *A. pallipes* ♀, very small, taken?

*Aspilota* *bidentata* ♂?, ant. 27.

*Microgaster* *flavipes* Hal. ♀.

*M. glabrata*? ♀.

*Microplitis* cf. *radia*? ♂



30.7.47, cont. Battle Howard, W.I., cont

Taken at 2, cont

*Euphorbia pulcherrima* 1, not mtd

*Lupinus micranthus* Hal. ♀, ant. 30.

*Opius areolaris* Bern. rather small ♀♀, ant 40 + 43; + also ♂♂

*O. cingulata* not mtd. (with broken antennae, some small ♂♂, possibly this +

*O. areolaris* 2 small ♂♂ with only partly developed tergites, ant. 20 + 24

*O. cf. stenops* sp. n. ? ♀, ant. 13

*O. ruficornis* Hal. ♂, ant. 24, also a very small ♂, ant. 22.

*O. femoralis* miki ♀, ant. 27. 1 lovely specimen!

Euclyptid? *Euclyptus* *cruculatus* miki ♂, ant. 34.

*Pentapleura angustata* ♂♂ + ♀♀, mtd but 22 not mtd

*P. fuscipes* ♂ + ♀♀, mtd, small, all dead legs; but some legs with pale legs, a small one mtd.

*Phaenocarpa* *pubescens* ♂♂ + ♀♀, mtd, with mtd

*Chorebus* *luteus* ♂♂ in open field outside railway, ant. 20

*Aspilota* aff. 114 = *A. denticulata* ♂ + ♀, rather small ♂, ant. 21

*A. denticulata* n. 10, 1 ♀, both small, ant. 20 + 18. *A. maculipes* Hal. ♂, ant. 18

*A. cf. ?* ♂♂, dark legs, large head, with dimple. *A. maculipes* var. (dark legs, dimple, ant. 20, 21, 21, 20, 20, 20)

*A. cf. small sinuella* ? ♀, ant. 20. *A. cf. fuscicornis* ? small ♂, ant. 21.

*A. cf. atra* 1 very small ♂, ant. 26. *A. ruficornis* 1 beautiful ♂, ant. 18.

*A. fuscicornis*, ♂, ant. 18. *A. cf. sinuella* ? ♂, no dimple, dark legs, ant. 22.

30.7.47 cont. Battle Howard, W.I., cont

Taken at 2, cont.

*Chalcids* *cruculatus*, *longicauda*, *affinis*, *2* (mtd) all in open field outside railway + probably in the same place at south end of field where mtd. *Chalcids* none mtd.

*D. affinis* 2 = 1 very red legs mtd, ♂, ant. 26.7

The ♂ has very short deep reddish legs, slender antennae, with pedicel on 1st segment in those than ant. *affinis*, + as I have 3 subspecies of *D. affinis*! N.S.B. 1951.

*Oncophanes* *monticola* (100) mtd (12 mtd) along railway not mtd, as seen several taken + mtd in Lady's Room on 24.7.1947.

*Aphidius* aff. to ♀, none mtd.

*Tetraneura* *sp.* Hal. ♂, large ♂, ant. 13.

*Proctos* abundant, especially in open field: 3 mtd, mtd

*Chalcids* equally abundant in open places, none mtd

*Chalcids* 2: not mtd

Golden pubescent - quinary mtd =

1.8.1947  
Phygadeuon  
♀, ant. 24 taken by  
E.O. Haliday at Blacktop, 200  
Hemiteles  
♀, ant. 19, taken by  
as in number  
Museum, Berlin.



3. August 1947. A very fine day with much hot sun & gentle SE breeze, after two days with thick & heavy rain at times. Many hymenoptera out, but flies etc troublesome & not a few stinging wasps.

Did not go out in forenoon, but after lunch took drive at 2 P.M. on lake & road to Gollinstown & found several & collected till 7 P.M. in three areas as follows: —

Gollinstown, Co. DU.

- 1 = S. side of canal just W. of Gollinstown Bridge & N. corner of small (1<sup>st</sup>) quarry hole S. of bridge & separated from canal by high bank.
- 2 = W & N. sides <sup>± E. end</sup> of 3<sup>rd</sup> quarry hole (beyond wire fence) & S. of canal, 1/2 mile W. of bridge.
- 3 = mainly ground quarry hole N. of well on N. side of canal & 1/2 mile W. of bridge — nearly opposite 3. but not quite.

Insects taken at 1. [8 mounted from 1 & these labelled 18-23 1951]

Cryptine S., including *Atractodes trichocera* (2): not mtd.

*Glyptotendipes* ♀: not mtd.

*Stenomacrus minutus*? ♀, ant 17, small body wings, enclosed tibiae.

*Microgaster* ♂, ant 29

3. 8. 47, cont. Gollinstown, DU. cont.

Taken at 1, cont.

*Trichoptera* *impunctum* ♂, not mtd.

*Hemiteles pallipes*? ♀, not mtd.

*Brachymeria communis* ♂, ant. 26.

*Dacnusa areolaris* ♂, not mtd.

*Opius* ♂, not mtd.

*O.* ♂, not mtd.

*Pentapleura spanalis* about 2 dozen (10♂ + 2♀); not mtd.

*Phaenocarpa vicina* Hal. = *vicina* Hal. 5 legs, etc. ant. 30, 31(3) + 32.

all taken in E. corner of 1<sup>st</sup> quarry hole, except *Glyptotendipes* etc.

*M. fuscicornis* 10, 1♀, not mtd.

*Oacume longicauda* 6. *A. glauca* 1♀

*D. areolaris* prop. other than last: about 2 dozen

*D. (G.) affinis* 6 (♂ all ♂♂)

*D. (G.) alpinus* 5♂♂, 5♀♀

*Stenomacrus minutus* 12♂♂, 6♀♀

*Proctos. abjectus* ♂: not mtd.

*Microgaster* ♂, not mtd.

*Trichoptera* of *mercurius* ♀, ant 12

*Apanteles* sp. 10 = 1♀ mtd. only, ant. 17, + *parvovirus*!















6.8 47, cont. W. of Killeen, DU, cont.

Taken at 1, cont.

*Phedon flugator* ♀, ant. 9.

*Pan. dentata* 3, ant. 20, small specimen.

*P. abjecta* 3 ♀♀, ant. 13.

*Triclistus* 4, ant. 12.

*Cephalia* off the tent about 35 in number, two only mtd. =

*C. curvica*? ♀, ant. 19.

*C. rosae*? ♀, ant. 18.

*Proctos* 9, 2 mtd.

*Chalcids* 12, none mtd.

*Exochus* 3, none mtd.

7th Aug. 1947. *Homocidus* *crucians* *tricolor*, ♀, ant. 40, taken by P. O'Mahony in his room - museum - no doubt out of one of his scraples of scissels!

6.8 47, cont. W. of Killeen, DU, cont.

Taken at 2. [Only mtd. of 1 + this labelled 25.5.1951.]

*Phedon* 13, <sup>10 mtd.</sup> *Phedon* *flugator* ♀, ant. 9.

*Promethes* *fulvipes* ♀, ant. 20, (none mtd.) = *Chalcid* ♀, ant. 19.

*Stenomacrus* *clavicornis* ♀, ant. 17.

*Meloboris* 1, ant. 25.

*Bracon* 4, ant. 31. *Bracon* ♀, ant. 25. (see p. 258)

*Mesochorus* *sp.* ♀, ant. 35.

*Opius* *varius* 2 ♀♀, ant. 22.

*Pentapleura* *sp.* ♀, ant. 50, small, not mtd.

*Phaenocarpa* *sp.* ♀, ant. 24.

*Aspilota* (*Exochus*) *sp.* ♀, ant. 14.

*A.* (*Orthocentrus*) *sp.* ♀, ant. 10.

*Spalangia* *degeeriana* 2 ♀♀, ant. 22.

*D.* *gibripes* ♂, *D. affinis* ♂, ♀, *D. (S.) albipes* 2 ♀♀, none mtd.

*Chorebus* *conjugens* 2 ♀♀, ant. 22.

*Phedon* *flugator* 2 ♀♀, *E. leucostoma* 1 ♀, none mtd.

*Cephalia* off. 4, only, none mtd.

*Proctos* 4, none mtd.

*Exochus* + *Chalcids* 5, none mtd.

*Triclistus* *sp.* ♀ = *Triclistus* *sp.* ♀, ant. 12.

7th August 1947 - see part of opposite page.



10th Aug 1947. A very fine day with gentle W breeze & very hot sun all day, plus a wind at Athdown.

Rode in bike, back home at 10.00, & went to the "fortified" path, Athdown, Upper Liffey, Co. WI., at 18-20, at 200-900 ft. Collected 3 areas as follows:

- 1 = edge of potato & corn patch in fields below the road & at top of scarp (with oak, hazel, etc.) & at (N.) bank of R. Liffey, just E. of the dam <sup>12.30</sup> <sub>-1.30</sub>
- 2 = left bank of R. Liffey for 1/2 mile above the fortified, including the wood below the scarp & above the gorge. 2-4 P.M.
- 3 = same as 1 but 4-5 P.M.

Athdown, WI.

Taken at 1. [28 mounted & <sup>most</sup> three labelled in 24.3.1952.]

*Salix maculata* ♀  
*Formica fusca* nigrid ♀, swept among the grass.  
*Myrmica* sp. ♂, swept, not examined!

*Lissonota bellator* ♀, not mtd. No file 9.7.K.

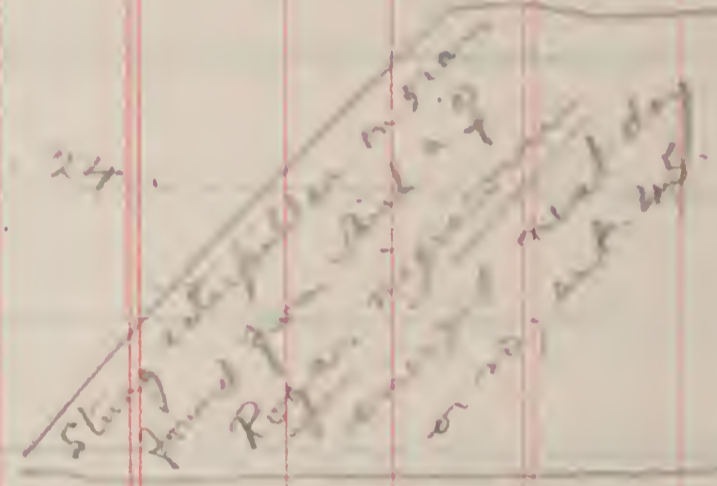
*Chrysomelid* - very nice = *Acrosternus lactus* Grav. ♀  
(See Kerich's letter dated 15.3.1951. <sup>ant 32</sup>)

Labelled & sent to Kerich 12/3/51! D.W.S.

10.8.47, cont. Athdown, WI., cont. Taken at 1, cont.

*G. Horni* *lignaria* ♂, ant. 20.  
*Camptoplegid* 4 (2 ♂♂) 2 mtd. = *Camptop. cf. rugosa*? <sup>1st ant. 21 with irregular mtd. 12, ant. 21</sup>

*Macromia* *viridis* ♀, ant. 24.  
*Leucophaea* *viridis* ♀, ant. 30.  
*Macromia* *viridis* ♂, ant. 21.



*Psilothera* *viridis* ♂, ant. 38. *P. viridis* Hal. (var. *viridis*) <sup>ant. 38, 1♀ ant. taken.</sup>  
*Opis* *viridis* 2 ♀♀, not mtd.

*D.* *viridis* Hal. ♂ (♂♂ = ♀♀), in a previous year. <sup>10♂ (ant. 25), 2♀♀ (ant. 20 & 26) mounted!</sup>  
*Alysia* *viridis* ♂♂, 1♀, along potato-drill amongst  
 Potatoes, *Galerita* *viridis*, *Phyllon*, *Polyommatus*  
 ♂♂, ant. of ♂♂, 30(1), 31(1) & 34(1), 1♀, 29. <sup>In some of these the notauli are quite strongly developed, in other somewhat. Macromia, 1st ant. 10, they do not mtd. Kerich in 2nd ant. 10, would not mtd. to other & some to mtd. later. AWS:100</sup>

*Pachyptera* *viridis* 1 ♀.  
*Aspilota* *dentifemur* *parva* 1♀, ant. 17. *A.* *viridis* ♂, ant. 22.  
*A.* *concolor* Hal. 1 fine ♀, ant. 19.  
*A.* *dilatata* Thom. 1 typical ♀, ant. 16. <sup>if not taken at 2. p. 1952!</sup> another smaller, with narrow wings, ant. 16 also, but very pale at base & much paler legs, but head typical & must belong here! AWS:100  
*Dacnusa* *viridis* group 3. <sup>not mtd.</sup>

*D.* *viridis* sp. not mtd.  
*Chrysomelid* *viridis* ♂ (♂♂ = ♀♀) - a very dry specimen to put the specimen! 10♂, 1♀, mtd.; ant. 23 & 19 respectively.



10.8 47, cont. Athdown, WI, cont

Taken at 1, cont.

*Pimpla* sp. 6: none mtd.

*Chalcids* 7: none mtd.

Beech *Silpha nigra*? swept

Taken at 2.

*Andrena fuscipes* ♂♂ abundant at *Calluna* in  
"Mator" S. of potato bed as usual; no ♀ seen.

*Nomada rufipes* ♂, seen in place.

Sawfly *Amelanus glabris* ♀

*Cratichneumon* ♂: not mtd.

*Centistes* ♂: not mtd.

*Alomyia debellator* ♀, seen.

*Cryptus* 8 ♂♂: with = *Phygadeuon*? ♀ ♂, ant 22

*Hemiteles*? ♀ ♂, ant 25; tergite 1 with black patch  
than like *pinicola*!

*Pimpla nigricornis*? ♂  
*Pimpla* sp. 1 small ♀  
*Pimpla* sp. 1 ♀  
*Pimpla* sp. 2 ♀♀

} none mtd.

10.8 47, cont. Athdown, WI, cont

Taken at 2, cont.

*Leucospis bellator* 1 ♂: not mtd.

*Pimpla* sp. ♂: not mtd.

*H. tuberculata* *conditio* Thoms?

Gen at sp? ♂, ant. 27; ♀ with very rounded tergite

*Chalcid* ♂, ant 30, black 5th femur.

*Microplitis*? ♂ = *Microplitis fallax*? ♂, ant 28.

*Meloboris dorsalis* 2 ♂♂, ant 35 & 37. 2 ♀♀ 29 & 29, black veins, not mtd.

*Campoplegid* 1 ♂: not mtd.

*Bracon* 3 ♂♂, 1 ♀ = *B. fuscicornis*? ♂, ant. ♂♂ 30, 32 & 33, ♀ 34;

abd. of ♂♂ with tergite 3 more rugose; of ♀ almost smooth, tergite reddish.

*Microplitis glabris*? ♂: not mtd.

*Opius curvus* ♂ (♂♂) not mtd.

*B. irregularis* ♂ not mtd.

*D. -* ♂, ant 21? 1 ♀, shorter tibiae than those from 1? ant 26.

*Pentapleura pinicola* 2 ♀♀, not mtd.

*Aspilota scissurata* ♀, ant 21; a nice specimen but rather small.

*Dacnusa areolaris* group 4.

*D. cf. termia* Nixon. 1 ♂ (ant 31), 1 ♀ (ant 28)  
formally *cythraea* Nixon! in part!!



10.5.47, cont. Alderdown, W.I., cont.

Taken at 2, cont.

*Dacnusa* (*lymnaea*-*pa*) *uliginosa* ♂  
*Chorebus conigerus* ♂ & ♀, <sup>ant. 21</sup> *maculatus* not recorded  
See taken at 1? This form new, as death.  
[no I don't think so! H.N.S. 25.3.1951!]

*Apanteles* sp. 7.

*Plectiscus* 4

*Chalcids* 2.

Taken at 3. [51 mounted from 3 & they labelled on 20.3.1951.]

*Cryptinids* 6 ♂♂. none mtd.

*Pentapleura* not recorded? small ♀, not mtd.

*Stenomacrus* aff. 2 ♂♂, ant. both 26 =

*Leptopygus* 4 ♀♀, same as 1 = *gemellus* ♂ not mtd.

*Leptopygus* *terrestris* ♀ ♂. not mtd.

*Coelinius* *communis* ♀, ant. 25.

*Apanteles* *fluctus* ♀ + sp. *fulvipes* group ♂. none mtd.

sp. of *triangulatus*? ♂.

10.5.47, cont. Alderdown, W.I., cont.

Taken at 3, cont.

*Dacnusa* *uliginosa* 2 ♂♂, ant. 32 & 26, the former very small

*D. fulvipes* ♂ & ♀, ant. 31.

*Opius* *caesus* 4 (♂♂ & ♀♀); not mtd.

*O. fulvipes* ♀ (♂), ant. 21.

*O. brevis* *nitens* 2 ♂♂, ant. both 23, abd. rather soft (immature?).

*O. multisepta* ♀, large sp.; ant. 20.

*Bracon* *montivagus* 10 ♂♂, ant. 35; 3 ♀♀, ant. 35, 36 & 38.

*B. cryptatorum* Hal. (= *microgaster* - *sp.*) 5 ♂♂, ant. 37, 38, 39, 39 & 40.

*Physcia* *atra* 10 ♂♂, ant. both 20, 1 ♂ for the

usually 20 species. — ♂♂ especially rare!!  
(ant. 30(1), 31(1), 32(1), 33(5), 35(1))

*Aspilota* *mauripera* Hal. (♂) ♀, ant. 18; legs rather pale, ant. rather slender!

*A. dilatata* Thom. ♂, ant. 20 — cf. 2 ♀♀ taken at 1, p. 252!

*A. (Synaldis)* *sp. nov.*? 3 ♀♀ ant. 18 & 16; the heads seem different shapes!

*Dacnusa* *lucicola* Hal., small ♀, ant. 21.

*D. lucicola*? 2 ♂♂, 1 ♀, ant. 23, 22 & 21 (♂♂); 22 (♀).

*D. fulvipes* 2 ♀♀. not mtd. *D. elegantula*? a minute ♀, ant. 29-30.

*D. fulvipes* 1 small ♀, not mtd.

*D. montivagus* group, including at least 1 ♀ *longicauda*,

about 2 larger ♀; none mtd.

*D. (G.) affinis* 3 ♀♀, not mtd.

*Chorebus conigerus* 6 (♂♂ & ♀♀); none mtd.







13.5 47, cont. Phoenix Park, DU, cont.

Taken at 1, cont.

- Open *... ..* 1 ♀, ant. 23
- O. ... ..* 5: 1 ♀ only add., ant. 24. Type locality!
- O. ... ..* 1 ♂ 1 ♀, ant. 32 (♂) & 29 (♀), 3 small pupae, small stems, teneral tarsus 1+2, small head, head pointing, ...
- ... ..* 1 ♀
- ... ..* ♂
- ... ..* ♂
- D. ... ..* ♀, ant. 32: one small with off line!
- D. ... ..* ♂, ant. 32. *D. ... ..* a minute dwarf of *melanocera*, but requires looking at 5/11
- D. (G.) ... ..* ♀, not add.
- D. (G.) ... ..* ♂, ant. 28. *D. (G.) ... ..* ♂, dark legs, ant. 28, new aff.!
- ... ..* } not add.
- ... ..* }

Taken at 2. [Six added & then labelled 30.5.1951]

- Open ... ..* 3.
- O. ... ..* 2 ♀♀
- O. ... ..* 1 ♂
- ... ..* ♂
- ... ..* 1 ♂ 2 ♀♀ & *D. ... ..* ♂

12.8 47, cont. Phoenix Park, DU, cont.

- ... ..* } not add.
- D. ... ..* ♂, ant. 31
- D. (G.) ... ..* ♂, not add.
- D. (G.) ... ..* 2 ♂♂, not add.
- ... ..* 2 ♂♂, ant. 34-36
- ... ..* 2 ♂♂, ant. 34-36
- ... ..* ♂, ant. 24

... .. 1 add.

*... ..* } not add  
*... ..* }

Taken at 3. [Only 2 added & then labelled 30.5.1951.]

- ... ..* not add.
- ... ..* ♂, ant. 32
- ... ..* } not add
- O. ... ..* ♂



12th July 1947. Riverbank, 200, 1st.

Taken at 1st cut

*Leptocryptus* *regulator* 2, *parvulus* 2, *g. n. sp.*  
*Aphidius* *terminis* 14  
*Aphidius* *castrator* 2  
*Leptocryptus* *off.* 10 (mostly *off.*), including probably *terminis* *off.*,  
*terminis* *off.*, *terminis* *off.* & 1st *Leptocryptus* *off.*

*Macrosoma* *longicauda* 11 (♂ & ♀) } *var. 25.*  
*D. nigrifera* 2 & *castrator* ? 2  
*D. affinis* 2000     *D. melanocera* ♀, ant. 25.

*Aphidius* *castrator* ♀

*Leptocryptus* *off.* 10

*Pentapleura* 2

*Stenobothrus* 7.

16th July 1947. 114 Clareville Rd, Harold's Cross, Dublin

*Macrosoma* *at dominica* ♀, ant. 26, taken in house!

Small, large specimen with mainly red thorax.

20th July 1947. The night was very warm, and hot  
 day in succession, but fresh wind along E. breeze  
 fell after 6.30 PM, then a new draught. Not quite  
 so hot as previous week, but a town lot to  
 go out hunting insects!

In afternoon rode to Gollinstown, on Grand Canal,  
 Co. Dublin, arriving at 4 PM, & leaving about 7.30 PM.

Collected by sweeping in these areas, as follows:-

- i. 1. Ground 1st pond N. of wall, N. of canal, about 300 yds  
W. of Gollinstown Bridge
- ii. 2. *Glyceria*, etc. at swampy E. end of 1st pond, S. of  
canal & west of bridge; i.e. the pond not beside canal.
- iii. 3. E., N. & W. sides & ends of 2nd pond S. of canal &  
only separated from canal by "dry-ditch" not well topped,  
& W. & N. edges of 3rd pond S. of canal; i.e. the  
pond W. of low fence - not at lake pond!

Gollinstown, Co. DU.

Insects taken at 1. (34 etc. for 12 then called 5.11.1947)

*C. nigrifera* 2 = *Hamble* or *g. n. sp.*

*Pentapleura* *fulvipes* ♀, ant. 25.

*P. dominica* ♂, ant. 26.

Identified by *Hamble* by *Hamble*  
 named 14 miles E. of  
 Ballymuck, *Hamble*  
 & *Hamble*



20.8.47, cont. Gollinstown, Co. DU., cont.

Taken at 1, cont.

*Exochus* *incurvus* var. *lucyae* ♂, ant. 41-seg, antennae

*Apanteles* *lativittatus* ♂

*Microgaster* *tuberculatus*? ♂

*Adelius* *depressus* 1 ♂, ant. 24.

*Opius* *crassus* 2 ♀♀, not attd.: not attd.

*Phaenocarpa* *curvica* ♀, ant. 26; also *curvica* ♂, ant. 26

*Ph.* *sp.* ♂, not attd.

*Ph.* *sp.* ♂, with part of antenna, small, dark, etc.

*Pentapleura* *pumilio* 5 (♂, ♀)

*Dacnusa* *laxifrons*? 1 ♀ } none attd.

*D.* *truncatella* *crustaria*? ♂

*D.* *larvata* ♂, ant. 24.

*D.* (*G.*) *abjectus* about 2 seg. ♂ & ♀ none attd.

*D.* (*G.*) *rejuvenescens* 2 ♂♂, ant. 27.

*Chasmodon* *coarctatus*: 2 (♂, ♀) none attd.

*Chasmodon* *lyaphis* Hal. ? 16 ♂♂ (24-(6), 25-(6), 26-(3), 27-(1))

Σ 3 ♀♀, ant. 20; 21-seg. mounted.

20.8.47, cont. Gollinstown, Co. DU., cont.

P. Taken at 1, cont.

1 ♀, *Exochus* ♂ & ♀, ant. 29 & 28 respectively.

*Apanteles* *valentini* ♂, not attd.

*Apanteles* ♂, very small ♂ & ♀ = *A. densus*?  
ant. ♀, 25 or 26, ant. 2 seg. 25-seg. ♂, ant. 15-seg.

*Pentapleura*: 1 - none attd.

*Chasmodon* 3 - not attd.

*Opius* *sp.*, 1 - not attd.

Taken at 2. [27 mounted from 2 & then labelled on 4.1951]

*Euphranta* 7, including *attractata* *trichogramma* (4) & *attractata* ♂ & ♀ of the group ♂ & ♀, not attd. = *A.* ♂ & ♀, ant. 18 only the last mounted.

*Glypta* *monoceros* ♀, not attd.

*Pentapleura* *depressa* 2 ♂♂, not attd.

*Triclistus* *sp.* ♂, not attd.

*Meteorus* *lescuri* ♀, ant. 26.

*Adelius* *depressus* 1 ♂, 2 ♀♀, small & black, ant. 24, 19, 20 & 20.

*Opius* *crassus* ♂

*O.* *sp.* ♂ & ♀: 1 ♀ attd, ant. 23, deeply internally damaged!

*O.* *sp.* ♂, ant. 22 - very nice specimen!

*O.* *sp.* ♀, ant. 24.







20.8.47, cont. Gulliver town, Ill. cont.

Taken at 3

*Peromyscus (Sp.) rufinus* 2♂♂

*D. (G.) affinis* 2♂♂

*D. (G.) nigrescens* ♂, ant. 25

*Chaerophyllum* 5 (♂ & ♀): 295-296, *Chaerophyllum* (ant. 20-22), *Chaerophyllum* 25

*Chaerophyllum* (by photo only) 3. none etc.

Prater ♂ ♀

Aphidid ♂ ♀

Prater ♂

none etc.

Chalcid ♂

Cynipid ♂

29th August 1947 (Saturday). The first day of cloud, with local showers and a little rain, for nearly a fortnight, but rising clear all day & previous night.

Went by train (5.15 AM) to Gulliver with Robt G. Sallan (iselfort) & G. F. Mitchell (T. D.), where met by 450 members in cars & drove to country house till at Lugganmore about 7 miles SW

23.8.47, cont. Lugganmore & Claprock, Q.C., cont.

of Gulliver & in Queen's Co. (Linn.) where we saw several small caverns in one of which Mr. Smith had found a bone of the Giant Bear - 1946.

While Mr. Smith, Mitchell & Sallan went into one cavern now largely occupied by hedgehog, I explored the one, usually, I collected by sweeping grass, report, 5", on the hill top, where filled 2 inches. Left here about 1.30 & went out to the rather extensive ring at Claprock, 2 miles to NW of Lugganmore to one cave on E. side of the escarpment & on top of hill - at top of talus & at foot of small cliff on rock face. Here is wide entrance to cave dry & trail pit, but hole was well disturbed by hedgehog & no sections of undisturbed deposit could be found. Masses of bones of fox, ground sloth & other recent fauna (sheep, ox, pig, rabbit, fox) together with some very old fragments (possibly some Giant Bear & *Peridicticus* & two phalanges of bear - one first & one second. After lunch a bark of with about 2 P.M. day - can tell 6 P.M. & then went down to field N. of graveyard & Claprock Ho. & swept margin of pasture & cattle pond, which



23.8.47 cont. Luggacurra, Clonpook, QC.  
mounted chiefly of trapped & dried birds, with some  
grass etc. Here swept millions of small flies (Hymenoptera)  
& many small Hymenoptera.

During the day saw few small bees, but noted  
*Bombus lucorum* pair ♀ & ♀♀, *B. lapidarius* ♂♀  
*B. agrorum* ♀♀ & 1 ♂ *Psithyrus* ♂? *Selina*  
*exaltata*, & *Salix* seen (1 ♀ on dry top of Luggacurra  
& the other by cattle pond at Clonpook. Mitchell saw  
a Clouded Yellow Butterfly at Clonpook & North  
Surb. Red Admirals at Luggacurra & 1 one at  
Clonpook

Here swept on summit of Luggacurra, QC  
= (1) 23.8.47. [144 mounted & then labelled 8.4.1951.]

Samplings: *Salix* seen ♀ on summit, dry place  
present in ground!

*Selina exaltata* ♀

*Cryptine* 15 (only 1 ♀) one at *Phygadeuon*? only mounted: <sup>ant. 21-seg.</sup>

*Cuscuta* of *undimata* ♀, ant. 24.

[another *Salix* seen]

23.8.47 cont. Luggacurra, QC, cont.

*Psithyrus* *leucostictus* ♀, ant. 26

*Psithyrus* of *brunneipennis* ♀, ant. 21, dist. of base to tip of hind foot pale

*Psithyrus* *procurator* ♂, ant. 40

*Cryptine*, *varia* abundant (1 ♂ ♀) none mtd.

*C. irregularis* 1 ♂, ant. 28.

*Psithyrus* *pumilio* ♂ (P-8) ant. 28.

*P. punctatus* 2 ♂♂, ant. 28.

*Phygadeuon* *procurator* 1 very small ♀, ant. 28.

*Cuscuta* *concinna* small ♀, ant. 19. *C. dentifera* small ♀, ant. 21.

*C. (Synaldis) concolor*? ♂, ant. 19.

*Loxocera* *ovata* group about 15 only: all very small, none mtd.

*D. elegantula*, *cyathifera*, *divinula*, *affinis* all frequent. <sup>none mtd.</sup>

↳ 1 small *aphanta* mtd. with very dark legs; ant. 27.

*D. affinis* 6 (P-8): 1 small ♂ mtd., ant. 24/25, petiole rather narrow?

*Loxocera* *ovata* group? 2 small ♂♂ only, mtd., ant. 26.

*Chama* *concolor* 1 ♂, ant. 26.

*Aphidius* spp. 1 ♂, 1 ♀ only, ant. 26.



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23.8.47, cont. Luggacuman, QC, cont.

Proctos.

Chalcids } (all of all ... by one Procto.

includes = *Phaenocarpa* ... Hal. ?

Cynipids } with small ...

23.8.47, afternoon = (2)

Clapnet, QC. [20 mounted & three labelled on 9.4.1951]

Taken by sweeping margin of cattle pond!

*Epitoma* ... not mtd.

*Cryptus* ... small ... *Hemiteles* ... *Stenomacrus* ... none mtd.

[No other specimens!]

16.

*Adelius* ... 2 (♂♂) & no ... seen!

*Opus* ... (♂♂); ... mtd, mt. 24.

*Pentapleura* ... about 12 (♂♂) ... mtd.

*P. angustula* ... not mtd.

*Phaenocarpa* ... mt. 28.

*Aspilota* ... mt. 30, ... mtd.

*A.* of ... group; ... with ... mtd.

272

23.8.47, cont. Clapnet, QC, cont.

*Epitoma* ... not mtd.

*D. cyclops* ... not mtd.

*D. ...* ... not mtd.

*Chalcid* ... not mtd.

*Ephedrus* ... not mtd.

*Triclistus* ... not mtd.

*Aphidius* ... not mtd.

Proctos.

Chalcids } small ... not mtd.

Cynipids

2 beetles =

24th August 1947. A blizzard left afternoon ...

Left home on bike, about 11.30 ...

Went to Rye Water, ...

Left in plantation for ...



24.8.47, cont. Rye Water & Royal Canal, KD.

1 = Marshy flat on right bank of Rye Water, 500 yds. N. of canal aqueduct.

2 = Suck area on plateau between Louis Bridge & station 1.

3 = Mr. Mitchell's plantation along canal at Collinstown Ho. = 'R. Canal'

[Some time ago, Aphididae collected on various species of Eucalyptus, to SW, produced ♀♀ (6) of *Aphidius* sp. in the evening & following day!

Insects taken at 1 [13 mounted & those labelled 10.4.1951.]

Coryphidae 2. *Aphidius* sp. ♂: not mtd.

*Mymaropsis graminicola* ♀, ant. 26.

*Peromyscus ruficornis* 3 ♀♀: not mtd.

♂ *perithous* sp.: not mtd.

*Homocidus pallipes* ♂, ant. 23.

*Stenomacrus* sp. ♀: not mtd.

*Mesochorus* sp. ♀: not mtd.

*Mesochorus ruficornis*? 2 ♂♂, 1 ♀: 3 mtd., ant. 26.

*Apanteles irregularis* 4 (♂♂ & ♀♀)

*O. ruficornis* 2 (♂♂ & ♀♀, ant. both 23).

*O. ruficornis*? 3, ant. 21.

*O. ruficornis*? 3 ♀, ant. 23.

24.8.47, cont. Rye Water, KD., cont.

Taken at 1, cont.

*Pentapleura pumilio* 2 ♀♀: not mtd.

*Stenomacrus ruficornis* group, several, *Stenomacrus* (10 ♀♀)

& *mesochorus*: none mtd.

*D. aphanta* ♂ (♂♂ & ♀♀): none mtd.

*D. (G.) siniffa* ♂, ant. 29.

*D. (G.) aff.* " 1 ♀: not mtd.

*D. (G.) uliginosa* 2 ♀♀: 1 mtd. (ant. 23), 1 not mtd. (ant. 23).

*Chorebus conjugens* 13 (20 ♀♀)

*Cochranella diversipes* n. 2 ♂♂, ant. 40 & 41, legs mainly red.

*Praxinosus abjectus* 2 (♂♂ & ♀♀): not mtd.

*Aphidius* aff. ♀: 1 ♂ mtd = *A. ruficornis* group, *A. ruficornis* (ant. 19).

Proctos - 1

Chalcids 3: none mtd.

Cynipid 2

Manipulation = *Stenomacrus ruficornis* ♀, ant. 23, 1951, 1952, 1954. New to Ireland.

Seen by canal between stations 2 & 3.

*Aeschna juncea* (L.), *G. grandis* (L.), *Orthetum rufum* (L.) 3 mtd., ant. 2.

*Symphyla* ♂: not mtd.

Painted Lady Butterfly 1. Red Admiral 1. Peacock 1.

Clouded yellow ♂♂ 2. Common Blue ♂♂, ♀♀. Wall Butterfly

Speckled Wood. Salmon-marked Fritillary 12. Small Copper.



24.8.47, cont. Rye Water, KD.

Taken at 2.

Only about 2 dozen insects taken here & except for the following (which I mounted) none of importance

*Edopodius colorator* ♂ ant. 31

*Homocidus ruficornis* ♂, ant. 22.

*Meteorus abnormis* ♂, ant. 26; small!

*Lacuna elegantula* ♀, ant. 27

24.8.47, cont. Royal Canal, Co. KD.  
= 2.

[18 mounted from 30 that labelled on 12.4.51.]

*Phaenocarpa* *Popillia* *Leptocryptus* (small species).

*Cryptus* ♂; none mtd.

*Pimpla* ♂, ant. 20.

*Glypta* ♂, ant. 27 = not mtd.

*Chorebus* ♂, ant. 27 =

*Bracon* ♂, ant. 20 = not mtd.

*Perilitus* ♂, ant. 27 = not mtd.

*Agrypon* ♂, ant. 27 = not mtd.

*Dioctus* ♂, ant. 27 = not mtd.

24.8.47, cont. R. Canal, KD., cont.

Taken at 2, cont.

*Campoplex* ♂, ant. 20 = *Campoplex* *maculicornis* Grav. not mtd. 1941.

*Aspilota* ♂, ant. 20 = *Aspilota* ♂, ant. 20 = not mtd.

*Bracon* ♂, ant. 20 = *Bracon* ♂, ant. 20 = not mtd.

*Bracon* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = *Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = *Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.

*Aspilota* ♂, ant. 20 = not mtd.



24.8.47, cont. Royal Canal, DU., cont.

Taken at 3 cont.

Aphidid. sp. 6.

Pteron 12

Chalcid. 16.

Cynipid. 1.

Taken in back garden 14 Clarendon Rd,  
Harold's Cross, Dublin, 28.8.47.

Syrphid. *Antocyba pallipes*? 2  
 Suct. house " " 1, ant. 35.  
 Pterophoridae " " 2, ant. 31.

3pt. August 1947. Weather still very hot & dry, all blue sky till 7 P.M. when some light clouds came to rest: some local rain in 20th but none fell in our area of Dublin. E. breeze during day.

Left home at 10.45 AM & rode to Yallahstown bridge on Grand Canal, Co. DU., where I took the following area as follows:-

1. = N. end of 1st grassy pond S of canal & W. of bridge i.e. pond separated from canal by 1/2 acre.
2. = edge of 2nd pond S of canal & W. of bridge.
3. = *Glyceria*, *Sagittaria*, etc. by some dry 1st pond W. of wall & canal & W. of bridge.

30.8.47, cont. Yallahstown, DU., cont.

" 4 = edge of 2nd to 5th pond N. of canal & wall & W. of bridge.

Yallahstown, DU.,

Taken at 1.

Cryptid. 12

Leptid. *Leptocryptus* 12

*Sigalphus caudatus* 17 & possibly 100

*Pteron* sp. 17; ant. 18

*Microplitis* *varicornis* 2000; 20 small in dry, margin of pond; ant. 20, 20, 20

*Adimon* *depressus* 10 small black 95

*Aphis* *caesia* 16 nearly all 95

*O. elongatella* sp. not mtd. *O. laevis* 1 dark 50, ant. 20

*O. ruficornis* 18, ant. 26; 17, ant. 21

*O. caesia*? 2000, ant. 25-27; 17, ant. 24

*Pentapleura* *pumilio* 5; not mtd

*Phaenocarpa* *curvica* Hal. 1♀ & 3♂ (all = *curvica* mtd!)

*Ph. pumilio* 2000, not mtd

*Ph. laevis* 100, ant. 29

(These not seen when taken 15.8.1947. 2 others taken to ground 20.8.47.)



31.8.47, cont. Gollinstown, Co DU, cont.

Taken at 1, cont.

*Aspilota* (*Synaldis*) *parvicornis* 2 ♂♂, 2 ♀♀, not mtd.

*Dacnusa elegantula* ♀: 1 large only, mtd., ant. 33.

*D. areolaris* 4 ♂♂, ant. 27, 28, 28 & 29.

*D. pubescens* 1 ♂, not mtd.

*D. areolaris* group: 15 only (10 ♂♂ & 5 ♀♀) of which 10 mtd.

= *D. confinis* ♀, ant. 32.

*D. (Synaldis) abjecta* very abundant, mostly ♀♀.

1 ♂ (ant. 24), 4 ♀♀, ant. all 24, mounted; the ♂ with more whitish legs, much reduced tubercles

*D. (Synaldis) affinis* only 2, not mtd. the eyes; & very narrow wings, etc.

*Chorebus* *lyphata* Hal. 6 (3 ♂♂, ant. 25, 26 & 26; 3 ♀♀, ant. 20, 21 & 22).

*Chamaeospila* abundant (10 ♂♂ ♀♀). *Chamaeospila* sp. n. 1 ♀, ant. 20, not mtd.

*Ephialtes* *reticulata* 1 ♂, not mtd.

*Praon* *abjectum* 1: not mtd.

*P. abjectum* 2 ♂♂: not mtd.

*Trioxys* *cauter* 2 ♀♀, T. of *cauter* *burles*? ♂, ant. 13.

*Aspilota* sp. about 12: 3 mtd. = *A. caudata*? 1 ♂, ant. 14.

*A. cf. darsi*? 1 minute ♂, subligae, ant. 15.

*A. cf. parvicornis*? ♂, ant. 19.

31.8.47, cont. Gollinstown, Co DU, cont.

Taken at 1, cont.

*Pimpla* about 12.

*Chelonus* 5.

*Exochus* 1.

Taken at 2 [17 mounted from 2 & these labelled on 17.10.1951.]

*Cryptinids* 13: none mtd.

*Zosterales* *confinis*? ♀: not mtd.

*Ademon* *depressum* 1 very small ♂, ant. 20, not mtd.

*Opius* *cauter* 3, not mtd.

*O. areolaris* 3, not mtd. *O. lugens* Hal. ♀, ant. 22 (from H.W. Bally).

*O. semipunctatus* *reticulata* ♂, ant. 25. Given to H.W. Bally, about 1951.

*O. cauter* Hal. 1 ♂, 1 ♀, ant. 24 & 25. Given to H.W. Bally, " "

*Phaenocarpa* *parvipes* 7: not mtd.

*Phaenocarpa* *darsi* 2 ♂♂ (2 minute, not mtd.), ant. both 30.

*Ph. parvicornis* 2 ♂♂: not mtd.



31. E 107, cont. Gallinule, Co. DU, cont.

Taken at 2, cont.

[No *L. pilata*!]

*Dianura cf. areolaris* 1 ♂ only

*D. aphanta* 2 ♂♂ (ant. both 25), 3 ♀♀ (ant. 23, 24 & 25).

*D. tenuis* ♂ (ant. 23), ♀ (ant. 25).

*D. cf. areolaris* 1 ♂, ant. 27, ♀, ant. 26.

*D. (G.) uliginosa* 2 - not mounted

*D. (G.) affinis* 1 - not mtd.

*Culex* sp. *Sligo* ♀, ant. 34

*Chamaea conjugens* 1 ♂ & ♀: not mtd.

*Ephedrus validus* 3: not mtd.

*Psephenus strabus* abundant, mostly ♂♂, not mtd.

*Mesochorus cf. ruficornis*? 1 small ♂: not mtd.

*Aphidius* spp. 11: none mtd.

Proctos 3: 1 mounted =

Chalcids 3 } none mtd.

Cynipids 4 }

Clouded Yellow Butterfly 3 seen (2 above

& 1 below bridge, by two paths along canal).

31. F 47, cont. Gallinule, Co. DU, cont.

Taken at 3. (Some notes for 3 & 4 taken on 18.10.1951.)

*Hemiteles* ♂♂ - 7 ♂♂, none mtd.

*Z. (G.) uliginosa* 2 ♂♂, not mtd.

*Adelius decemans* 6 (♂ & ♀), small ♂ only, black: none mtd.

*Opus* sp. 9: not mtd.

*O. communis*? ♂, not mtd.

*Phaenocarpa curvis* ♂ & ♀ (ant. 31).

*Pentapleura pumilio* 4: not mtd.

*P. fuliginosa*? 3: small ♂, ant. 26.

*Dacnusa areolaris* 1 large ♀; ant. 28.

*D. areolaris* group 3: not mtd.

*D. (G.) uliginosa* abundant: none mtd.

*D. (G.) affinis*? 7: - mostly ♀ mounted in *D. (G.) uliginosa*, ant. 26.

*Chorebus* sp. 4 ♂♂, ant. 19.

*Chamaea conjugens* 1 ♂ & ♀: not mtd.

*Ephedrus validus* 2: not mtd.

*Aphidius* spp. 3: not mtd.

Proctos 1: not mtd.

Chalcid 1: not mtd.











3.9.47, cont. Britta Pond, DV, cont.

Taken at 2. [8 mounted from 2 & then labelled 22.4.1951.]

Cryptids 14. (10000, 292): 1♀ only mounted = *Pezomachus*  
ant. 20-seg.

*Pezomachus* *dentatus* ♀, not mtd.

*Exochus* sp. ? small black, heavily sculptured abdominal tergite  
= a minute ♂ of *Pezomachus* of *humicornis* group, ant. 17, dark legs.

*Opisus irregularis* 1 ♂, 2 ♀♀, none mtd.

*Dacnusa striatula* 2 ♀♀, ant. 26, 27 & 27.

*D. terminis* *maior* ♂, ant. 30.

*D. clypea* 4 ♂♂, ant. 29.

*D.* (*G.*) *uliginosa* 4: 1♀ mounted, ant. 33, transverse head!

*D.* (*G.*) *orbicula* 1 ♂, ant. 31.

*Chasmodon conjugens* 12, 20 ♀♀, none mtd.

*Ephedrus rubidus* 1 ♀, not mtd.

*Pezomachus* sp. 2, not mtd.

*Aspilota* sp. 18: 1 ♂ only mtd. of *A. davis* ♀ ant. 16.

Proctos 4 } none mtd.

Chalcids 1 }

3.9.47 cont. Britta Pond, DV, cont.

Taken at 3 [25 from 3 mounted & then labelled on 23.5.51.]

Cryptids: about 22, mostly ♂♂, none mtd.

*Pezomachus* ♂, ant. 34.

*Phytodietus* ♀, ant. 22.

*Promethes* *subulatus* ♀, not mtd.

*Coelinius* sp. ♀, ant. 26, short terebra =

=

*Blacus ruficornis* 1 mtd. ♀, not mtd.

*D.* of *laevigatus* ♀, ant. 19.

*Opisus laevigatus* 2, not mtd. *O. irregularis* ♀, ant. 23. *O. tenuis* ♀, ant. 22.

*O. stempferi* ♂, ant. 22. *O. ovalis* sp. n. ♀. Type! A.W.S. 23.4.1951

*Pentapleura parvula* about 20, not mtd. ♀♀, none mtd.

*P. angustula* 1 ♂, not mtd.

*Aphanipterus tenuicornis* ♂, ant. 26, very large example!

*Aspilota senilis* ♂ } *A.* (*Synaldis*) *parvula* ♂, not mtd.

*Dacnusa cincta* group only 11, included, *fulvipes* 2 mtd.

*maior* ♂ : none mtd.

*D.* (*G.*) *uliginosa* mtd. 1 ♂, 1 ♀, ant. 36 & 35 respectively.

*D.* (*G.*) *orbicula* *nigra* 2 mtd, ant. 36 & 37.

*D.* (*G.*) *affinis* 8 ♂♂, none mtd.

*D.* (*G.*) *orbicula* 4 ♂♂, also 1 ♀ & this alone mtd., ant. 31.

*Chasmodon conjugens* 4 : not mtd.

6.12.49  
Larval, DV, on *Opisus* 1949  
or 1950, 1949  
or 1950, 1949  
A.W.S. 23.4.1951  
collected 1951







17.9.47 cont. After a very wet day & fine  
 cool night, a lovely sunny morning till 2.45 PM  
 the sun & breeze, with wind, set in till  
 Clouds with S.W. wind E. S.E. & S.W.  
 In afternoon rode to Gollinstown, Co. DU., &  
 collected by the side of the main lake, with the canal  
 & west of Gollinstown, as follows: —

- 1 = Swampy pond, W. of canal & well - about 2.45
- 2 = Small pond just W. of the 1st pond
- 3 = Wet bog just W. of the 2nd pond & of  
 low vegetation, with a few trees, ferns, & some  
 other

Gollinstown ponds, Grand Canal, Co. DU.

Taken at 1. [Only 6 taken - the labelled 20.9.47!]

Heurysia sp. 3 small eggs, 1 small egg.

P. of aquatic ground 238.

Two ponded P.

Open ground 4 (P. & S.) } none taken.

2. 238

[no Aphids!]

Diuraphis appressa 1 ♀

D. straminea 2 = 2 ♀, but 26.9.47.

17.9.47, cont. Gollinstown, Co. DU., cont.

Taken at 2 and 3.

2. 238

2. 238

2. 238

2. 238

2. 238

2. 238

2. 238

2. 238

Taken at 2. [Only 4 Proctotrupes kept & the labelled on 20.9.47!]

Proctotrupes punctatus 1 ♂, P. caesus 1 ♀

2. 238

2. 238

2. 238

2. 238

2. 238

2. 238

2. 238

2. 238

2. 238

2. 238

2. 238



17.9.47 cont. - Gulliestown, Co. DU, cont.  
taken at 3. [only 5 spp. this time - see p. 300]

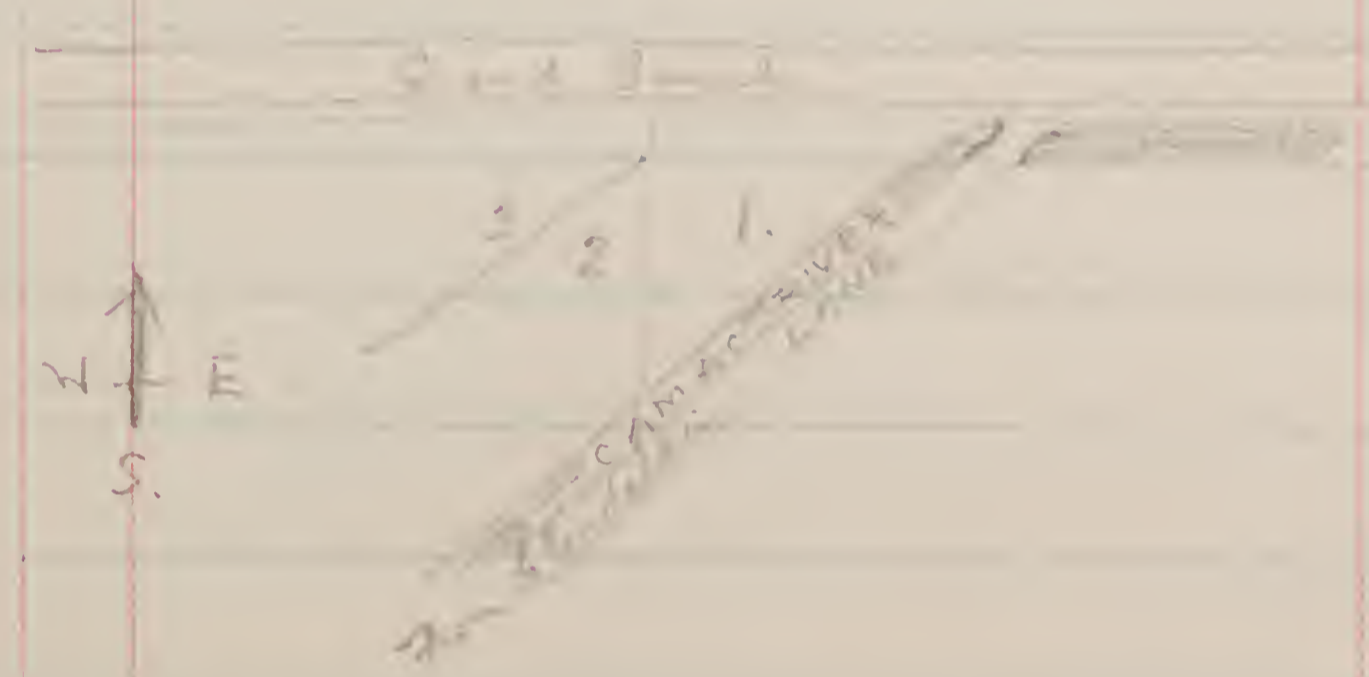
- Mantodea* 2 spp. (1 sp. 4)
- Euclyptus* 1 sp. (1 sp. 2)
- Opis* 1 sp. (1 sp. 3)
- C. angulatus* 1 ♀ (not 178)
- Mantodea* 1 sp. (1 sp. 4)
- M. ...* ♀
- C. ...* of ...
- L. ...* 1 ♀, ant. 20.
- D. ...* 1 ♀, ant. 22, pale legs, small
- D. (G.) ...* ♀, ant. 22: very ill dark legs, small
- Apidae* off. 15: none etc

*Proctos* 5, 2 spp.

*Cynipid* 1 mtd. *Proctos*, *Tetraneura*, very small etc

26 Sept 1947. G. Praon ...  
in drawing room, 149 Clarendon Rd., Dublin, about 10 P.M.

1st October 1947 (Wednesday). A most perfect day, all  
morning with gentle W breeze (E. along coast!), sun visible  
in afternoon. In afternoon rode to hills on  
Grand Canal, Co. DU, & up the to the Banac River  
then then come down from Clondalkin & collected  
in three areas between the Banac & the Grand



as above: —

- 1 = Stubble cornfield, with much weeds, patches, & along  
ditch at W. side of field with *Carex paludosa*, *Spina*,  
*Salix viminalis* & *S. cinerea*, etc.
- 2 = Cabbage field, with grassy margin in NE. angle  
of field
- 3 = Stubble ditched along SE. side of grazing field, with  
much *Sim*, *Ulex* bare, *Lepium*, etc. for 100 yards  
from canal corner of field.

Many hymenoptera out, in fact very many including  
*Dacnusa*, swarms of *Blacus*, the first time I have ever taken down







1.10.47, cont. Grand Canal, W. of Millers, DU.  
Taken at 1, cont.

Aphididae very abundant, especially *Planolista*,  
& *Uthidae* aff.  
Also *Phidion rubidum* & *P. picipes*  
Drosophila of common type, also *musca*: no pupae seen

Proctos. very abundant: 2 mounted: ♂♂ (*Microgaster*)  
Chalcids abundant - 7 mounted  
Cynipids abundant: 1

Taken at 2. [12 mounted from 2 & this labelled as put away Oct 1947.]  
Cryptine 13. 1 *Acanthocryptus quadripennis* ♀ mounted

*Proctos. equalis* 6 ♂♂.  
*Colletes auriflavum* 2 ♂♂.  
*Camptopoda* 1 ♂

*Blacus parvus* ♀ small, terminal, ant. 27. small dentate propodeum  
*Exochus dissidens* 1 ♂ - ant. 24

*Opus* *caesus* 3 ♀♀. 1 *paucicornis* ♀, ant. 21.  
1 *Proctos.* 1 ♂, ant. 22, with 20 cells, small.  
small dentate propodeum, ant. 22, with 20 cells, small.

1.10.47, cont. Grand Canal, W. of Millers, DU, cont.  
Taken at 2, cont.

*Blacus* *caesus*, *caesus*, *pubescens*  
& *maculipes* all present.

2 *Proctos.* 2 ♀, ant. 22, 23.  
2 *Proctos.* ♂ & ♀, ant. 24.  
2 *Proctos.* ♂ & ♀, ant. 24.  
2 (*Proctos.*) *affinis* 2 ♂♂, ant. 24.  
3 (*Proctos.*) *affinis* 1 ♂, 2 ♀♀, ant. 24.

*Phidion rubidum* 6 (♂♂)  
*Planolista* 9.  
Aphididae aff. 15.  
Proctos. 8.  
Chalcids 3: 1 ♂, 2 ♀♀.  
Cynipid 1.

Taken at 3. [17 mounted from 3 & this labelled as put away Oct 1947.]

Cryptine 5, including *Hamaxia* aff.  
& *Proctos.* of red abd. ant. 22 =  
*Proctos.* 2 ♀, small abd., ant. 22.  
" 1 ♀, red, small abd., ant. 24.







5.10.1947 cont W. of Killeen, Co. DU.

Taken at 1 (out stubble & road!) 3.0 till 5.40 P.M.

[Diptera: 1 m. labelled 08/1947]

Cryptine 6 ♂♂ at 1 only

Stenomacrus 5 ♂♂ = S. curvicauda 1 ♂ 26.10.47

S. cf. apertus? 1 ♂, not id.

Promethes sulcator, cognatus, pulchellus & lateripes  
7.10.47 at 2 only 1.10.47 at 2 only

Hemiteles pulchra 1 ♂, not id.

H. minutus ♀, not id.

Mesochorus ♂

Chalcid 2 ♂♂

Pentatomid ♀, not id.

Blacus ruficornis 1 ♂, 1 ♀

Opius irregularis 1 ♂, 1 ♀

O. tenuis 4 ♂♂, not id. 21, 22, 23, 24: legs with dark?

O. sp. 1 ♀, not id. 26: not id. 1 not id.

O. sp. 1 ♀, not id. 24, not id. legs pale, dark feet, dark with long p. antennae!

Adelius flaviventris ♀, not id.

Blacus contractus ♀, not id.

Phaenocarpa ruficeps ♂

Alysiid 1 ♂, small, not id.

Aspilota (Egardi) ♂

Dacnusa areolaris maculipes 1 ♀, not id. 19.10.47

D. leucifrons; confusa 3 ♂♂ taken 10.10.47, 12.10.47

D. aphanta 9 small ♂♂ same as taken on 5.10.47

D. areolaris 1 ♂, 1 ♀, not id. 20.10.47 (195), ♂ (196) = same as 195. 195. 196.

D. schroederi 2 ♂♂ 29.10.

D. schroederi 4 = 5 ♂♂. [6 ♂♂ taken at same place by Graham] not id. (195) & (196).

Aphidius not id.

Parasitoid ♂ + ♀, not id. 13.

Aphidius sp. 1 ♀

Pentatomid - 1 ♀, not id.

Chalcid 1 ♀, not id.

Chalcid 1 ♀, not id.

Cryptine 1



S. 10. 47, cat - W of Killiney, Co. Dub., cat  
Taken at 2 (along ditch & lake) [between & near Killiney 2.11.47]

Cryptine 4  
D. [unclear] 2 ad 22, [unclear] [unclear]

Stenomacrus 5 ♂♂, 1 ♀ = 2 4 [unclear] 1 ♂, 1 ♀, cat 22

St. [unclear] [unclear] [unclear] [unclear] [unclear] [unclear]  
St. [unclear] [unclear] [unclear] [unclear] [unclear] [unclear]

Rovellia [unclear] & [unclear] 1 ♂ [unclear] [unclear]

Homocidus [unclear] [unclear] [unclear] [unclear]

Chalcids [unclear] [unclear] [unclear] [unclear] [unclear] [unclear]  
[unclear] [unclear] [unclear] [unclear] [unclear] [unclear]

Dioctria [unclear] 1 ♂ [unclear] [unclear] [unclear]

Opius [unclear] 5 ♂♂, [unclear] [unclear]

O. [unclear] 1 ♀, cat 25.

Pentapleura [unclear] [unclear] [unclear] [unclear]

Chalcids [unclear] [unclear] [unclear] [unclear]

Phaenocarpa [unclear] [unclear] 5 ♀♀ [unclear] [unclear]

M. [unclear] 1 ♂ [unclear] [unclear] [unclear] [unclear]

Aspilota 3 = 2 [unclear] [unclear] [unclear] [unclear]

([unclear]) [unclear] [unclear] [unclear] [unclear] [unclear]  
[unclear] [unclear] [unclear] [unclear] [unclear] [unclear]  
[unclear] [unclear] [unclear] [unclear] [unclear] [unclear]

Beauveria [unclear], [unclear], [unclear] & [unclear]

D. [unclear] 2 ♂♂, cat 22

D. [unclear] 10 (2 ♂♂) [unclear] [unclear]

D. [unclear] [unclear] [unclear] [unclear]

D. (G.) [unclear] [unclear] [unclear] [unclear]

Ephedrus [unclear] & [unclear] 1 ♀ [unclear] [unclear]

Praon [unclear] ? 5 ♂♂, [unclear] [unclear]

Aphidius [unclear] 10, [unclear] [unclear]

Proctos [unclear] 15; [unclear] [unclear] [unclear] [unclear] =

Chalcids 4, [unclear] [unclear]

Cynipids 4; [unclear] [unclear]



S. 10. 47 cont. W of Killen, Co. DU, cont.

Taken at 3 (the other) [some other notes]

*Sphenocratus* *angulatus* ♀? Very late date!

*Thaumastus* *glabellus* ♀?

*Opis* *caesia* ♂, ♀, not all.

*O.* *virgatus* ♀, not all.

*O.* *puberulus* W. ♂, not all, legs 2 added.

*O.* *laevigatus* ♀, not all.

*O.* *elongatus* ♀, large specimen, not all. The upper part of the body is very yellow, and the legs are blackish, like *O. puberulus*.

*Pentapleura* *capitata* ♂ (♂, ♀), not all.

*Aphidius* *fuscipes* = *Aph. falcigera* Graham, sp. n., C. m. m. XCV, 274-276, Dec. 1959. Very small dark ♂, not all.

*Alloea* *contracta* ♀, not all. of ♂ taken - *glaberrima*, (1) 12. 6. 23.

*Aspilota* *dentifera* ♂, not all, both small part from west.

*Dacnusa* *areolaris* & *laevifrons* sp. nov. not all.

*D.* *oleiventris* ♂, not all.

*D.* (♀) *stigmatica* 2 ♀♀, not all.

*Monostomerus* *curvatus* ♂, ♀, not all.

*Triclistus* *caesus* ♂, not all.

*Aphidius* ♂♂ 13: none with.

*Stenomacrus* *sp. parvulus* ♂, not all.

*St.* *caesus* ♂, not all, 18, ♀, not all.

*Proctos* 11

*Chalcids* 3

*Ichneumon* 3

*Meloboris* 3

*Diptera* minute species (2 or 3) with long legs from above and underlying stones?

8th Oct. 1957. A fine day with much hot sun but cooler than the previous week & strong S.W. wind after rain at night.

Left home road to Phoenix Park, Dublin, & to Museum Graham, & collected in the area as follows:

- 1 = Bed of glen between top of pond & road to Knockmarron Gate, especially by stream.
  - 2 = R. bank of glen below pond & especially by spring near boundary wall, in glen.
- Before



8-10 4/1, cont. - Fungus Glen, Phoenix Park, Co. Du.

Taken at 1. [Collected from ... 1947]

*Aspilota* ...

*Phaenocarpa* ...

*Blacus ruficornis* ...

*Opus* ...

= *A. ...*

... ..

*Aspilota flaviventris* ...

*Phaenocarpa* ...

*Phaenocarpa* ...

*Aspilota* ...

*A. ...*

*A. ...*

*Dacnusa longiradicis* ...

... ..

*D. ...*

*D. gilvipes* ...

*D. ...*

*D. (G.) ...*

*Chalcididae* ...

8-10 4/2, cont. - Fungus Glen, Phoenix Park, Co. Du.

*Aspilota* ...

*Proctos* ...

*Chalcididae* ...

*Cynipidae* ...

Taken at 2. [Collected from ... 1947]

*Hemiteles* ...

*Phaenocarpa* ...

*Opus* ...

*A. ...*

*Phaenocarpa* ...

*Dacnusa* ...

*D. ...*

*D. (G.) ...*

*Chalcididae* ...

*Aspilota* ...

*Proctos* ...

*Chalcididae* ...

*Cynipidae* ...



14th October 1927 (Tuesday).

After a beautiful day on Monday & beautiful morning till 3 PM, then cold winds, & rain, with occasional drizzle in the afternoon and to Old Barn Bridge (over Dodder) & up road towards Ballynaise, stopped by ruin of old castle or house near Marlfield & swept over sheltered parts of grassy fields for about an hour 3-30 till 4-30 PM, when small hymenoptera were numerous in spite of cold & dull conditions & late season. Here swept the following: - [38-42. 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.]

Fields near Marlfield, Old Barn, Co. DU.

*Dacnusa pectorator* ? ♀, not mtd.

1 ♂ of *A. ?*, ant 28. Mtd? same as taken at Bawn NM, on 15.6.1926!

*Tryphon* ♀, mtd. 1 ♀ *Pezomachus* ♀, mtd.

*Atractodes* ♂, mtd, ant. 21.

*Promethes* ♂, not mtd.

*Homocidus pallipes* ? ♀ & *H. ?* ♂, mtd.

*Stenobothrus* ? - *St. curvicauda* ♂, ant. 26.

*St. rufus* ? ♀, ant. 21.

*St. cf. palustris* ? ♀, ant. 22.

No mtd.

14.10.27, cont. Marlfield, Co. DU, cont.

*Apanteles* spp. 10, including 2 mtd. as follows: -  
*A. lateralis* 1 ♀, *A. circumscriptus* ? 1 ♀ & *A. pallipes* ? 1 ♀.

*Meteorus leuciventris* 2 ♀♀, ant. 25 & 27 (possibly 38!).

*M. f. ?* ♂, ant. 22. *M. fulvipes* ♀, ant. 21.

*Dacnusa* ♂, ant. 23 & 26.

*Opius areolaris* & *O. ruficornis* 1 small ♀ of each: not mtd.

*Pentapleura angustula* 5 (♂ & ♀) very small: not mtd.

*Allura contracta* ♂♂, 1 ♀, not mtd.

*Phaenocarpa aphidivora* ♂♂, 1 ♀, not mtd.

*P. conspurcator* 3 ♂♂, 1 ♀, not mtd.

*P. lundae* ♂, ant. 29. *G. (G.) ?* ♂, ant. 18.

*Aspilota* 12 = *G. (G.) ?* ♂, ant. 17, no double.  
*A. dentifera* large ♀, ant. 20. *A. tricolor* m. 1 small ♀, ant. 16.  
*A. ruficornis* 2 ♂♂, ant. 19 & 22. *A. rubripes* 2 small ♂♂, ant. 17, 18, 19, ant. 16.  
*A. maculipes* ♂, ant. 15. *A. sinuifrons* m. 1 ♀, ant. 19, prop. of the antennae.

*Dacnusa areolaris*, mtd. for ♂, ant. 21, mtd. for ♀, ant. 23.

*Lysitermes*, *Gillette* ♂♂, *Aphidius* ♂♂.

only these or later mtd!

*Triclistus* ♂, ant. 16, mtd.

*Praon* ♂, mtd.

*Tetraneura* ♂, ant. 13, mtd.

*Sphadran reticulatus* 1 ♂, not mtd.







19.10.47, cont. Rye Water, Co. KD, cont.  
Taken at 1 cont.

Theridionid ♀ = ant. 17  
Corymbid ♂ = ant. 27

Apanteles fulvipes group 2 ♀♀. ant. 20

A. sp. ♀

Blacus ruficornis ♂ ant. 21

Sigalphus ♂, ant. 21

Spalangia ♂♀ ant. 21

Entedon ♂♀ ant. 21

Aspilota subopaca ♀, ant. 18, small species

Dacnusa areolaris, leucipennis, & rufipes ♂♀

D. ♂♀, ant. 23. 2) leucipennis

D. fulvipes 6 ♂♂, 2 ♀♀

D. aphanta 17, mainly small ♂♂

D. affinis 1 ♀

Chorebus conjugens 1 ♂, 1 ♀, both very small!

Praon abjectum 1 ♂

Mesochorus curvis 2 ♂♂, 2 ♀♀

M. curvis 1 ♂

Ephialtes valida 2 ♂♂ ♀♀

Ephialtes sp. 11

19.10.47, cont. Rye Water & Royal Canal, KD, cont.  
Taken at 1 cont.

Proctos. very common: about 152 seen

Chalcids very abundant: about 200 seen

Phygadeuonid =

Cynipid =

Diptera =

Beetling =

Psocid =

Collembola cont.

Taken at 2 [not mounted from 2 & there labelled 27.10.47.]

Longhorn 15 including (ant. 21-24)

Ichneumonid ♂♀, ant. 20

Chalcid ♂♀, ant. 21

Chalcid ♂ = ant. 23, not mtd.

Stenomacrus ♀ = St. m. lineator (ant. 20) (ant. 21) (ant. 22) (ant. 23) (ant. 24) (ant. 25) (ant. 26) (ant. 27) (ant. 28) (ant. 29) (ant. 30) (ant. 31) (ant. 32) (ant. 33) (ant. 34) (ant. 35) (ant. 36) (ant. 37) (ant. 38) (ant. 39) (ant. 40) (ant. 41) (ant. 42) (ant. 43) (ant. 44) (ant. 45) (ant. 46) (ant. 47) (ant. 48) (ant. 49) (ant. 50) (ant. 51) (ant. 52) (ant. 53) (ant. 54) (ant. 55) (ant. 56) (ant. 57) (ant. 58) (ant. 59) (ant. 60) (ant. 61) (ant. 62) (ant. 63) (ant. 64) (ant. 65) (ant. 66) (ant. 67) (ant. 68) (ant. 69) (ant. 70) (ant. 71) (ant. 72) (ant. 73) (ant. 74) (ant. 75) (ant. 76) (ant. 77) (ant. 78) (ant. 79) (ant. 80) (ant. 81) (ant. 82) (ant. 83) (ant. 84) (ant. 85) (ant. 86) (ant. 87) (ant. 88) (ant. 89) (ant. 90) (ant. 91) (ant. 92) (ant. 93) (ant. 94) (ant. 95) (ant. 96) (ant. 97) (ant. 98) (ant. 99) (ant. 100) (ant. 101) (ant. 102) (ant. 103) (ant. 104) (ant. 105) (ant. 106) (ant. 107) (ant. 108) (ant. 109) (ant. 110) (ant. 111) (ant. 112) (ant. 113) (ant. 114) (ant. 115) (ant. 116) (ant. 117) (ant. 118) (ant. 119) (ant. 120) (ant. 121) (ant. 122) (ant. 123) (ant. 124) (ant. 125) (ant. 126) (ant. 127) (ant. 128) (ant. 129) (ant. 130) (ant. 131) (ant. 132) (ant. 133) (ant. 134) (ant. 135) (ant. 136) (ant. 137) (ant. 138) (ant. 139) (ant. 140) (ant. 141) (ant. 142) (ant. 143) (ant. 144) (ant. 145) (ant. 146) (ant. 147) (ant. 148) (ant. 149) (ant. 150) (ant. 151) (ant. 152)

St. of affinis ♀, ant. 22. St. of palustris ♂♀, ant. 22, fine black

St. of unicolor 1 ♂ (ant. 21) & 1 ♀ (ant. 22) (ant. 23) (ant. 24) (ant. 25) (ant. 26) (ant. 27) (ant. 28) (ant. 29) (ant. 30) (ant. 31) (ant. 32) (ant. 33) (ant. 34) (ant. 35) (ant. 36) (ant. 37) (ant. 38) (ant. 39) (ant. 40) (ant. 41) (ant. 42) (ant. 43) (ant. 44) (ant. 45) (ant. 46) (ant. 47) (ant. 48) (ant. 49) (ant. 50) (ant. 51) (ant. 52) (ant. 53) (ant. 54) (ant. 55) (ant. 56) (ant. 57) (ant. 58) (ant. 59) (ant. 60) (ant. 61) (ant. 62) (ant. 63) (ant. 64) (ant. 65) (ant. 66) (ant. 67) (ant. 68) (ant. 69) (ant. 70) (ant. 71) (ant. 72) (ant. 73) (ant. 74) (ant. 75) (ant. 76) (ant. 77) (ant. 78) (ant. 79) (ant. 80) (ant. 81) (ant. 82) (ant. 83) (ant. 84) (ant. 85) (ant. 86) (ant. 87) (ant. 88) (ant. 89) (ant. 90) (ant. 91) (ant. 92) (ant. 93) (ant. 94) (ant. 95) (ant. 96) (ant. 97) (ant. 98) (ant. 99) (ant. 100) (ant. 101) (ant. 102) (ant. 103) (ant. 104) (ant. 105) (ant. 106) (ant. 107) (ant. 108) (ant. 109) (ant. 110) (ant. 111) (ant. 112) (ant. 113) (ant. 114) (ant. 115) (ant. 116) (ant. 117) (ant. 118) (ant. 119) (ant. 120) (ant. 121) (ant. 122) (ant. 123) (ant. 124) (ant. 125) (ant. 126) (ant. 127) (ant. 128) (ant. 129) (ant. 130) (ant. 131) (ant. 132) (ant. 133) (ant. 134) (ant. 135) (ant. 136) (ant. 137) (ant. 138) (ant. 139) (ant. 140) (ant. 141) (ant. 142) (ant. 143) (ant. 144) (ant. 145) (ant. 146) (ant. 147) (ant. 148) (ant. 149) (ant. 150) (ant. 151) (ant. 152)

Proctos. subcylindricus & ruficornis 1 ♂ of latter with small black dots

Homocidus signatus - not mtd.

H. nigritarsis - not mtd.

kind of ... 25 mg, ...



19.10.47, cont. R. Canal, KD., cont.

Taken at 2

Thaumetoea ♀ = ant. 25.

Co. p. p. 2 ♂♂, 2 ♀♀, ant. 25.

Aphidius fulvipes group, 1 ♀ (ant. 25)

Sigalphus caudatus ♂, 1 ♀, ant. 21 & 30, unsp. ant.

Mesochorus subulatus ♀, ant. 25.

M. leucostigma ♀, wing taken off, ant. 25.

Perilissus caesus ♀, ant. 25, long ant.

Blacus ruficornis 2 ♂♂, 1 ♀, unsp. ant.

Diapriid oblongus large ♂, 2 ♀♀, 1 small ♀, ant. 28, 25 & 23, unsp.

Opius irregularis 2 ♀♀, ant. 25.

O. leucostigma 2 ♂♂, ant. 22.

Callia contracta 14 ♀♀, some ant.

Stenomacrus compactus ♀, ant. 25.

M. rufipes 2 small ♂♂, ant. 25.

M. lutea 1 ♂, ant. 30.

Adelius flaviventris 1 ♂, ant. 25.

Campoplex aff. 10 = C. mammillata 1 small ♀, ant. only 21.

C. dentifemur 1 ♂, ant. 20, 2 ♀♀, ant. 20 & 22, C. sp. ant. 21.

C. minuticornis 1 large ♀, very fine! ant. 17.

19.10.47, cont. R. Canal, KD., cont.

Taken at 2

C. fuscicornis ♂, ant. 17. C. maculosa - 1 ♂, ant. 15.

A. Pygostolus pumilus ♂, ant. 19. A. (S). 2 ♀♀, ant. 20.

Bracon subulatus 1 ♂, ant. 20.

D. leucipes, 2 ♂♂, ant. 20 & 21.

D. albipes 2 ♀♀, ant. 20 & 21.

D. pilosipes 2 ♀♀, [No. 20, ant. 21]

Mesochorus curvis 3 ♀♀, M. ruficornis 2 ♂♂.

Aphidius aff. about 2 dozen.

Proctos. very abundant; only 6 spp. but these include -

Proctos. grandis 2 ♂♂, 3 large ♂♂.

Chalcids: only a few - some - some with

Cynipids 5 - some with

Oct. 1947. Taken by M.S. Ludlow Westropp in his garden at

10 St. James Terrace, Crossbegagh, Dublin 14.

Oedemotopus scaberrimus ♂, ant. 39.

Mesochorus ♀, ant. 36.



26th Oct 1947. A cold dry day with strong land E wind, mainly dull & gloomy in forenoon, but afternoon mostly with bright & very hot sun in sheltered places, in that at 2-30 we got out on bikes & rode through St. John's to Whitehead & home via Rockbrook, Mt. Venus & D. Market (Coomers?) & Taffinore: from Whitehead to Whitehead walked most of the way, where we were sheltered by Marley wall & trees & sun very warm: much rain in forenoon on Marley wall & near Whitehead & many insects at the "malden" to Red Admirals (black ones slung in night at one time, the other two separate & at some distance), 1 fresh ♀ of *Bombus lucorum* seen, head on wall which chinked at Whitehead, many ♀♀ of *Vespa vulgaris* at very near Whitehead, & lots of *Bombus* etc., *Blasphemia* & other *Diptera*. Collected a few stems of *Equisetum hyemale* in lane near Mt. Venus for Mr. Holden of Smeethport.

5th November 1947. A very mild, dull, rainy day, with coolish breeze during wind, after a mild day in night & strong gale with heavy cold rain on 2-3 & cold wet day on 2-4. Rode afternoon to home down Sandford & home via San Doyle's & St. John's.

10th to 20th Nov 1947. After very mild weather a cold sharp temperature rise on 14th & on night of 15th there was slight frost, on the following night, 16th (Sunday) there was very much frost followed by snow on 17th 18th, with 3" of snow at Tullamore & 2" in Killybegs; much snow on Duke hills on morning of 18th, but nearly gone below 1500ft on 19th, which was less cold. On 20th - the morning day of the previous day - we went to find the temperature out of door about 15 to 20 degrees higher than when we went to bed & everything in the house covered with "moss" from condensation of the cold air, & a strong hot, damp, SW wind blew all day. On 16 saw a male (♂) very fly from very horizon south of Walthamton Home, by the bridge over the Riddle, & several flowers & spiders on the white Heliotropis at Templeogue Bridge.

- till 2-4 December 1947. Cold weather with frosty nights, preceded by the wet part, & on night of 1-2 Dec. there was a very hard & sudden frost, when 12 deer & sheep were picked up dead in 300 on morning of 2-1 & several ducks frozen to death on the Zoo pond, although



21.12.1947 On the date E.D. was in the field making a list of birds of British Isles, British & French species.

Dec 1947, cont.  
The lowest temperature I have recorded was on 11 degrees below of frost. A few days later (12.5th) we are asked to find temperatures outside like a "Turkish Bath" for several days, our cold house obscured with condensed moisture.

Wild weather continued for this as to under the influence of a large anticyclone which settled down over the British Isles, with barometer at 30.6 during week ending 16th Dec. During this latter period skies remained entirely cloudy & the sun or stars never seen, while an occasional drizzle kept the streets damp, until 16th when they dried for the first time for about a fortnight.

On 10th Dec the noise of first Snowdrops appeared above ground beneath the drawing room windows.

Weather continued alternated with a cold till after 20th, then on 20th 21st a cold fall of snow, heavy sharp frost, immediately followed by a really warm spell which ended the year.

1948.

The year opened warm, with very hot sun, so that on 2.3rd Jan. I saw, but failed to capture, a ♂ Schneemold, about 1/2 inch in length, on outside of the window of my room in the Museum - it looked like a ♂ Puffinbird!

Weather continued mild with very heavy rain at intervals, 3rd, 5th, 8th & 9th, causing heavy flooding in parts of the country, with gales all around British coast, 5th.

On 13th the early snowdrops were drawing snow under snow roads, to open & may be said to have been in flower.

On 15th during our walk from Bromley Cross to Kettymore, via Willington House & Southfield Lane, saw several clumps of Snowdrops in flower at "The Pigeon" with a B. hen, as well as flowers in the deep purple "Primrose" & yellow "Polya" the primrose.

Swarms. The pair of swans which have wintered on the canal above Portobello Bridge, Kettymore, normally drive the young away about Sept or Oct, but this year have permitted two to remain till 12th week in January; they disappeared about 7th or 8th! The pair which last year



January 1948, cont.

reared & brood later on the bank & being in the bridge over  
them brood of three may about two or three days later -  
I saw the parent & three young on Sat. 10th but not after  
that date. Both pairs have obviously decided that the  
spring is near! I hope they are not mistaken!

16th 17th January '48. A fairly night, breezy & passed by  
rain, gale & mild weather. Snow fell in N. England &  
Scotland, but none in Dublin or district. Thunder &  
Smith Thunder now ringing regularly in various  
places.

25th Jan 1948 Mild day with much rain. In the  
afternoon leaving George & I took a motor to Fildown  
& walked across Dodder & via Tynan Castle & The  
Green Hills, back to Crumlin cross-roads where got  
6 5th hour home. By the river NW of Tynan Castle  
20, a Hogel with both ♂ & ♀ flowers open.

28th Jan '48 Still very mild, with fairly night. One  
second Snowdrop under drawing room window  
opened! Green spikes of laurel shrubs about  
meter long well showing through dead foliage!

8th Feb 1948 Extraordinarily mild, dull day, with showers at  
intervals through the drizzle, strong SW wind; after break of  
gale from SW, very mild & much rain.  
One 4th Snowdrop out under drawing room window & 1st  
yellow crocus out - full open in sun! - though one its nose  
not seen till 6th & no sign of yellow crocus on the other bank  
it is back to front gate.

12th Feb 1948 Very mild & sunny morning. 3rd Snow on St. Paul  
Church, above Bartle's Bridge, but none on the roof & the  
morning with a bit of falling rain but a wind to be in a  
glorious way - not with rain!

13th Feb '48 Still mild & gale abated. Two leaves of *Asplenium*  
*adnigrum* by path to front gate. Yellow Saxifrage (5 plants)  
on west border front garden nearly out, but no sign of  
purple buds on any *Sax. oppositifolia*.

14th Feb '48 Two yellow crocuses appeared near yesterday  
by path to front gate & nearly out at 7 AM. Red clover on  
Pavane under drawing room window about 2 inch high.  
Buds on *Almond* readily swelling in various gardens -  
the oldest I saw being about a few days ago.

15th Feb 1948 A fine day with much sun - forenoon,  
& still mild, but wind turned E. in afternoon & the dull  
& cooler. In afternoon took bus to Whitechurch, Bray,  
then Graham & I, & walked via Rockbrook, Mt. Venus,



15.2.48, cont.

to Old Bawn & so home by bus. Saw *Salix* in field <sup>2 dead trees</sup> on the way, but no other signs of spring, until we got into the town. Some streams would be "carrying" some amount of "Spring Willow" (*Salix caprea* or *salicina*?) which was very few & advanced towards flowering. Heard fog horn squawked on road!

16th - 22nd Feb 1948 Wind E to NE, cold & very strong at times, with bluffs of snow & hail, probably increasing, until considerable falls on 21st & evening they abate by that evening: more snow during night & bluffs in forenoon of 22nd, but these started about breakfast time & with some hot sun about midday snow rapidly melted on streets, but not in garden, & frozen clean & strong by night.

About a dozen crocuses (yellow) now out in front garden.

23-27th Feb 1948 Still dry & cold with E wind, but today sun on 25th & 26th. On aft. of 25th rode (alone) to Jubbstown, up boreen to Millfield & home by Old Bawn & Fildown. On 27th one purple bud on small form of *Salix* aff. in back garden, but not open. Heard first on night of 25th & 26th.

27th & 28th Feb. Becoming milder, dry, mainly dull. In afternoon (29th) walked from L. to Ballyvaughan, got back with

1st March 1948. A long mild day with sun & light drizzle throughout & a cold wave on. Took part of the day around house (afternoon for last time) & about morning in garden. It is about for the first time since winter was workable.

One *Androsace* Heath with flowers open & another *Salix* with some ready to open, then were before date of flowering of them in a garden of course very late. The flowers on *Salix* aff. practically open - small form from Bawn & W. border of back garden sent me <sup>in 1935</sup> 20 years ago by G. H. O'Connell.

Replanted cuttings of *Salix phylicifolia* & *Salix repens* sent me in Oct. 1946 by H. T. from Glenageary (S of L. Malin) & Glenageary respectively. These were started in two grounds & sent to the front garden when we went to Scotland at end of May 1947. The *Salix phylicifolia* from my station in steps at the Glenageary where I took it plant in Oct. 1935 but at that time did not know what it was - except that it was a Willow now to me a name named "*Salix phylicifolia*?" by R. H. Brown & "*Salix phylicifolia*" by R. D. Meikle (now on staff of Kew Gardens). In front garden in the day



Garden & Blundell, Co. Du.  
 The first flower opened on the yellow *Sax. oppositifolia*  
 in border of front garden, on 21st June 1948.  
 The hills - SW corner, Small flower on hill  
 Small to go from of Sea off - 21st June to open  
 a small flower tree in front of hill & also  
 water to open.

In afternoon Garry & I rode on bikes to  
 Blundell & back on to front garden & up it  
 to the top for gate - looks at a road. Saw plants  
 of *Coltopat* in flower on hill side of road, but  
 saw only at the gate produced only 1st of  
 of flower & better in *Hymenoptera*.

Small *Scutellaria* with fly in fly in roadside  
 at the junction at the Water Tower on top of hill E  
 of Blundell at 3 PM on outward journey, when  
 many & many. Later about several seen &  
 small ones & at times small ones.

Many of small ones in road part & mostly full of  
 ground covered above the road for road I found the  
 some of small ones but not in time to prevent  
 flying them & they all disappeared in a flash with  
 a flash. On return journey we approached gently

1. 3 48, cont. Blundell, Co. Du., cont.  
 2. saw a hundred or more black bees following for the camp  
 post near the road side, but there was no landing.

2. 4. 48 - A beautiful sunny morning but some drizzle  
 in afternoon & did not go beyond the garden.

3. 4. 48 - A most perfect sunny forenoon, but  
 afternoon dull, windy & dry. In afternoon rode to  
 Ballynashane & went up Glencart as far as the tower  
 then down to the river & crossed river on foot  
 near Thomon & returned passing South. The water  
 yet in flower - to one part of glen, the road side  
 of an engineering nature has been carried out on the  
 river to force the Dodder to keep a straight course,  
 instead of zigzagging about & cutting into it bank at  
 the banks - all the river bed banks were destroyed & the  
 river natural ground raised & was to follow as depth  
 the big clump of *Rosa spinosissima* & *Urtica* (?) on left  
 bank 200 yards above Mr. Boyle's site but has probably  
 undermined by the river now nearly gone or overgrown  
 by other, but I think some has escaped the onslaught  
 & will last till sunrise. I discovered the hybrid rose  
 about 1920, at about time it was very good for  
 the river bank & covered an area of about 20 square feet.



3.3.48, cont. *Sparganium angustifolium* L. 20, and  
growing near both parents, but I find it in the same  
percent in *R. lanceolata* or *rotunda*. It is a very pretty  
one, 2 to 4 feet high, with the creeping habit of *sparganium*.  
dark pink flowers, very mixed freely stems, young ones  
coloured quite as large or nearly as those of *lanceolata*.

4th March 1948. A foggy day till late afternoon, and  
after a rain shower on Saturday bridge spray up to the  
sky cleared. Walked in afternoon up R. Guller for  
Darting to Bathjordan Bridge. Several of *Salix*  
*cinerea* (?) or left bank 300 yards below Bathjordan  
Bridge with very flowers and fruiting plants (4)

5th March 1948. A beautiful day, all the day  
sun after a misty night & early morning.  
At 2 PM I was in back garden found a *Bombus* etc  
& located it at the *Salix cinerea* rather, it was  
a *Bombus lucorum* & subsequently, watched for  
for some time moving round a hole - all of the  
reddish loops.  
At 4.30 left home on bike & rode to Laurel Hill  
via Whitechurch & Kilmacoge & spent half an hour

5.3.48, cont. Laurel Hill, Tubridy, Co. Dub.  
in the ground & very near bank of *R. angustifolium* line.  
I caught 19 *Pezomachus* , 3 *Aspilota*  
1 *2* *Trypeta* (mounted the *Pezomachus* & 100 *Aspilota* only.  
Collected & identified the only wild flowers seen in  
the sandpit, but also on yellow grass in flower  
in bed of the old pit.

6th March 1948. One of the perfect days after a cold  
foggy night with slight drizzle frost. sun came  
out after then at 8.4. Wind slight, but in afternoon  
westerly from top of hills at 1000 - 1500 ft. they  
from SW, although wind fell about 100 ft.  
In afternoon rode via The Green Hills to Whitehall  
House & Fortune town & home via Tollymore &  
Whitehall House. *R. lucorum* was seen in fruit garden  
near Whitehall House.

7th March 1948. After wind from SW & some rain  
during night, & no sun morning with much but sun  
very mild, but strong SW wind & dull in afternoon with  
showers in evening. Almost in Kilmacoge Park  
& Clonsilla - fruit garden - flowers  
In afternoon we took 2.25 bus to Kilmacoge



7.3.48, cont.

I walked up E. side of Glencree park 7.15 etc. There  
to see birds & a spider on a wall. I saw  
what looks to be a cat in the house. I saw  
Grackles with a small. Very noisy &  
see other of interest. Forayther at in same garden

8th March 1948. Rainy, dull & very windy, but  
strong E.W. wind. Fed birds for first time this year.  
About 11 AM saw 2 or 3 Corvus & some  
of them seen on 5 Sitta in the garden in  
back garden. Mr Roberts came to photo. He photo  
of Corvus & Sitta from Glencree & Forayther  
which are so very different in appearance &  
regards their leaves. While talking to Roberts  
in back garden a ♀ Vesperugo (vesperugo or vesperugo)  
flew across garden & into Westfield's house.  
Chlorodrepanis out in front garden, several flowers in 20 p 324

9th March 1948. All sunny but still strong E.W. wind  
but a little less - birds started to be the better in morning  
for March & in Dublin temperature up to 71 F. was  
recorded. Spent morning in garden & in shelter  
of wall in evening, wanted. In afternoon went

9.3.48, cont.

By bus to Botanic Gardens, Glasnevin, & spent an hour there  
I saw a few Bombus etc. (I saw all Bombus except  
one about which I'm not sure. Vespa also (possibly) out in  
back garden

10th March 1948. Another very hot & all sunny day,  
but W. breeze cooler & air 70 to 75 F.  
Spent morning in town & museum in afternoon went  
to Island bridge, then to St. James church & home  
via Willesden & The Green Hill.

11th March 1948. All sunny also & very hot weather,  
with gentle E. breeze in Dublin, but a little less  
from - better at 200 ft. Strong from S.W.  
Spent morning in garden & saw Small Tortoiseshell  
Calligrapha, Andrena terrestris (17) ♀♀, Andrena (several ♀♀)  
1st Empidonax at in back garden in afternoon. Chlorodrepanis  
seen with dozen of flowers. While they were at work  
I sat dining room window. In afternoon rode to  
Glencree, left bike, took some skin & went along  
top of woods on E. side of house remaining, where  
the old bee bank now nearly destroyed by Empidonax  
1. Some willows put here & there, & also saw



11.3.48 cont. - Glassonville, Co. DU., cont.  
 Ranunculus (put a pencil!), small Tortula bed at  
 Peacock Butte; Acrostichum terrestris (Hortonia)  
 Banksia terrestris ♀♀ common, as growth of Salix,  
 clumps of Salix terrestris growing in sun, Epilobium  
terrestris & other Habenaria terrestris, Juncus terrestris ♀♀  
 running about in sun. Epilobium terrestris red at a  
 place near a Vicia terrestris bed. The other  
 species of the Ranunculus terrestris the day before, Epilobium  
 & all the Salix terrestris & Salix terrestris by the operation.

Swift the following hymenoptera either on slope of  
 lower dam, or on its top along wall, or in water field above its  
 eastern end: - all mounted (8).

Epilobium terrestris ♀, ant. 22, mounted on its bed

Pogonocherus terrestris ♀, ant. 21, by wall on top of dam.

Microctonus terrestris 2♂♂ ant. both 16.

Gasterocercus ♀ male.

Chalcids 2 & both swept off ♀ Salix terrestris at head of 1<sup>st</sup> canal.

Lygellid 1.

12<sup>th</sup> March 1948. Another beautiful day, & breeze about  
 all morning but in late afternoon some clouds came up  
 from SW. Back in museum & writing to report, thought  
 that first flowers on Flowering Current had in back  
 garden.

13<sup>th</sup> March 1948. Mostly dull & fine with variable wind.

14<sup>th</sup> March 1948. Sunny forenoon with strong SW wind, which  
 swept up heavy clouds about 2 PM & in sun till 5 PM.  
 Left home in bike about 11.30 & took road to a junction  
 of the main road against wind via Bladellin & Bladellin  
 to Magallatoh, Co. DU. & then down to west of Grand Canal  
 into Co. Dublin, where had lunch in sun beside a Salix  
terrestris in flower & watched Bombus at the water.  
Bombus terrestris, B. lucorum & 1 ♀ almost certainly  
B. hortorum - too large, dark color & too long a face for  
B. terrestris. No other hymenoptera seen & none swept  
 owing probably to high wind.

17<sup>th</sup> March 1948. St. Patrick's Day. In museum. A very bad  
 day, cold & with heavy rain. Sun on several occasions.  
Parthenocera terrestris sitting, but full of water & not laid.

18<sup>th</sup> March 1948. A fine day! Anemone terrestris in flower  
 in front garden, Carex montana almost in flower after rain  
 in back garden. First flowers on Taraxacum cutting in front garden  
 the 2 Salix terrestris terrestris had out.



20th March 1948. A fine day, with strong SW wind & some sun but overcast. Some in back garden just unfolding & showing green, but not quite in leaf. At 1.50 PM a ♀ *Bombus agrorum* flew past me in back garden & lit on flower of *Delphinium* which the first specimen of season.

21st March 1948. After a fine early morning, a strong wind came right, and a cold rain set in about 10 AM, which was a "cold front", or a "back door" rain, from NW. Rain lasted till about 3.30 PM, but almost just as it had set in it was the time to go to the bank, from where we walked to Witley House & then via Rotherhithe Lane & Rotherhithe & then to the road side of Blackthorn in flower. Along road side between Rotherhithe Lane & Witley House & then Rotherhithe Lane & Rotherhithe Lane, and then Witley House & Rotherhithe Lane (at evening). Just before starting out it was still raining & a Bank Bee flew past me in back garden, but species not seen.

22nd March 1948. Bank Bee seen ♀ at flower of *Flowering Currant* in back garden at 2 PM. Flower spikes on *Cassia* struck by ants, some still showing, well up.

22.3.48, cont. At 2 PM saw ♀ *Bombus agrorum* investigating buds of White Currant in back garden, but the particular bud only a few buds showing signs of opening & now really in leaf. White Currant just like March 1948, covered with several flower buds out.

23rd March 1948. A beautiful sunny morning & evening, but dull in afternoon, with light (drizzle) at night. During lunch was *Bombus mellifer* ♀ at flower of *Medicago* near to back garden; also saw ♀ *B. agrorum* enter tunnel in garden of *Saxifraga strobilifera* leading towards patch of *Lygia* in back garden.

24th March 1948. A most perfect day after a slight frost; very hot sun all day & practically no wind, gentle breeze from S. - till 2 PM it was calm. At 2 PM saw Small White Butterfly in back garden & saw call by a Peacock Butterfly, which returned & seemed to fly on to border, also ♀ *B. terrestris* on *Flowering Currant*. Old flowers on S. side of *Knockout* bush out & a white spray of flowers at top of bush. Red *Saxifraga* in front garden ready to open.



24/3/48, cont.

Sheet of *Laminaria alga* in back garden just put  
looking like a smallish ball of some flowers lying on the  
ground - the white center being due to the center  
like this *Sp.*, entered in on right aspect *Sp.* *Scapula*  
*rotundifolia*, also from Brandon, which seems perfect  
from the view, the little lady with dark by shape  
center & early with a reddish tint to the leaf today.

In afternoon rode to town down in Glenade  
& back about via cliff-cliff ridge between scrub  
scarp below R.C. Chapel at Ballymuck & the dam.  
Also saw several ♀♀ of *Bombus terrestris* & *terrestris*  
at Ballymuck & some ♀♀ *B. lucorum* by town  
river, & 1 ♀ *Andrena clarkella* in bank by  
arrows in watercourse where 1931 flood worked away  
roadway. While driving watched *Tringa* & went  
up along top of embankment & into 2nd wood to get  
view of the *Tringa* feeding now.

When springs come out of the living remains for  
Mrs. John Thomas, as she supposed in the variety as  
found in fruit, though fruiting freely at the  
spot. Blackthorn & Prunus both now well out  
amongst scrub above coombs.

25th 27th March 1948. <sup>Small</sup> <sup>Cloud</sup> <sup>cut</sup> <sup>at</sup> <sup>10</sup> <sup>PM</sup> <sup>27th</sup> <sup>at</sup> <sup>10</sup> <sup>PM</sup>  
Glenade. Beautiful day, with E wind  
gently in 2nd & 26th but strong & now backing on 27th.

28th March 48. Fine day, cloudless & with strong E wind  
& no hint of a break in the weather till 2 PM. A rain shower  
appeared & covered us, the town & road, coming from  
SE - E, the upper part SW - W.

Took her to bank to town & walked via the Green City  
& Tyrone Castle to Firlaw & home by bus.

Saw *Laminaria galvoddora* just in flower in detail  
opposite farm house 1/2 mile E of Tyrone Castle ruin &  
took two specimens as it is unlikely to remain here  
much longer. Heard one saw very important birds  
& few insects out by the time, as by the time we  
reached Tyrone Castle a break in the fine weather was  
obvious & rain only a matter of time. A slight stiff  
of rain before had time & more between that &  
down. Glass falling slowly & steadily.

29th March 1948 - Easter Monday.

to duty - Museum! A very fine midday after  
a doubtful morning, but a sudden change about 4 PM.  
Suggested approach of a depression, still no rain till  
about 6.30 PM. Then torrents, with SE wind till went  
to bed. Barometer dropping steadily all evening & had  
not turned the corner at 11 PM.



30th-31st March 1948. Very strong SW gale in garden  
from the ship to SE 5 inches about day or 20th.  
1st April 1948. Bright sunny intervals between tropical showers  
of hail, sleet & rain & took on half day (Thursday) &  
about 1.30 PM a brief shower left the garden - frost-patch  
formed - but then, though there melted in the fall on the  
roads & pavements.

2nd April 1948. Another depression with steep fall in glass  
till 4 PM. Wind very cold & SE in forenoon, turning  
SW when glass turned & dropping. At 5 PM heavy snow  
started to fall & fell for an hour & was before the  
drain reported the hills & covered - part white -  
with rain to well below 1,000 ft. by 8 PM stars  
out & very cold, but without wind. Glass rising &  
snow did not lie even in garden. Many flowers  
beginning to green, pear-trees in full flower & at least  
one apple tree in flower at NW corner of Kirkwood Park  
& Harold's Cross Road. In back garden *Carex stricta*  
& *mentana* & *brizoides* x *gordanae* (pet. reddish band) in  
flower. In front garden *Drosera* looks in flower for a week  
& old plant of *Euphorbia tuberosa* with shoots 6 inches high.  
Pink Primrose in back garden in flower a few days before  
leaves. Fern *Salix phylicifolia* from Glasgow, G. LE.  
unfolding & also on the turgid *Salix* from Glasgow

2.4.48, cont.  
Leaves also on *Salix reticulata* brought from Scotland  
'47 & small-leaved species from Loch na Leirige  
in Perthshire. *Butula nana* (Rowley 1909. S.H.S.)  
about same with leaves.

4th April 1948. One of South Island *Trifolium* from the  
Bay's Glen, Kesh, SK, with two flowers about open  
after snow showers, hail, rain, & frosty night.

6th April 1948. After cold & rather poor weather, the 6th  
after hot sunbursts, this day very warm & mild with  
S-SW gale. A real growing day, only for wind!  
Blow Island *Trifolium* in W. border of front garden,  
which always in the first nature open to flower this  
about out. Red garden Sax now quite in front  
garden now quite full out, but at white compound  
only just showing bud.

7th to 10th April 1948. Weather improving but rain with  
& some heavy showers of hail & rain, warm on 10th  
with thick drizzle or heavy rain in afternoon locally  
owing to SE-SW gale. Odd *Bombus* seen in garden  
during this period, so all not dead. One of *P. lapidarius*  
seen on 7th; *P. lucorum* on flower, abundant at 7.30  
PM on 10th with heavy load of pollen; also *B. lucorum*  
& *B. terrestris*.



11th April 1948. A beautiful day & all sunny  
before 9 AM & 5 PM, the cloudy, SW breeze &  
very hot sun. Spent morning in garden & saw  
several Small White Butterflies; took justly ♀ at  
Pentstemon. Heath; many Honey bees at ♀ Salix  
arctica at top, & B. lucorum & B. terrestris ♀♀  
searching on the flowers. Euclyptus, or Black Currants  
the latter just coming into flower.

In afternoon rode to Clonsilla & up the  
Grand Canal for a mile to Betty's Ferry gate, then  
collected by sweeping grass on bank & after tops.  
Chiffchaff by canal but no Wither, Warbler or  
other migrant seen or heard. Several Bombus  
lucorum ♀♀ seen & other heard. Andrena  
nigrescens ♂♂ seen by quarry above (E of)  
Clonsilla. Swift drain parallel to S. of  
canal at Betty's Ferry gate & hayfield S. of seen  
at some places & here took the following:

S. of Grand Canal, W. of Clonsilla, Co. DU.

[12 mounted & these labelled on 10.5.1951]

Andrena nigrescens ♂♂ 1 small ♂, ant. 21

Stenomacrus minutus? 3 ♀♀, ant. 23 & 24.

Compsopteryx ♂♂ 1 small ant. 32.

Aspilota nigrescens ♂♂ 1 small ♂, ant. 21, very thick legs.  
1 small ♂, ant. 21. 1st Aspilota of the season!

11.4.48, cont. Canal, W. of Clonsilla, Co. DU., cont.

Dacnusa lunifrons 1 ♀, ant. 24

D. areolaris ♂♂ 2 ♀♀, ant. 24

D. areolaris ♂♂ 2 ♀♀, ant. 24

D. areolaris ♂♂ 2 ♀♀, ant. 24 } none etc.

Mesochorus caesus ♂♂ 2 ♀♀, ant. 24

M. caesus ♂♂ 2 ♀♀, ant. 24

Aphidius ♂♂? abundant ♂♂ 2 ♀♀: 1 ♂, 1 ♀, ant. 19 & 17.

= A. salmii?

2 Chalcids etc. =

Proctos, Exochus, Chalcids & few of each group

12th to 14th April 1948. Very fine weather, mild, with much  
sun & light, mostly westerly breeze.

Small White Butterflies seen generally, on flowers & about  
flowers & feeding in garden & on grass, flowers in  
garden & on flowers, including Ranunculus acris,  
Androsace hypnoides, Androsace hypnoides, Androsace hypnoides,  
Androsace hypnoides (found by a "chance" of white  
garden Mary's Erigeron in pot garden); middle Hieracium  
from bank next, produced on flower spikes. One of the young  
frogs released in back garden but we saw it under house  
door on morning of 13th.



14th April 1948, cont

In afternoon drove in car, which had left here on the road since 16th Oct 1946 owing to broken down

trucks of gear, which of the different kind to Bucklebury & Bath, Poole, & back via Saggart & Fortmead.

Stopped for a hour or two on the side of Slade of Saggart & swept, where anything to sweep, under trees, mainly on left bank of stream in slough road. Here I then gave a list for Saggart with following list:-

Slade of Saggart, Co. DU.

3.30 - 4.30 P.M.

*Stenocranus* 1 winged ♂ =

*Stenocranus chrysanthus* sp. n., ant. 20, dorsal segment long transverse, brown protruding, yellow, etc. Type! H. S. H. S. 1951.

*Plectiscus* ♂, ant. 22

*Apanteles fulvipes* group 1 ♀

*Aspilota ruficornis* ♂, ant. 23

*A. (Aspilota) ruficornis* = 3 ♂♂, ant. 21, 21, 22

*Bracon leucopneustes* var. *leucopneustes* ♂ (B. 2)

*D. (Dacnusa) areolaris* ♂ (B. 2) } none mtd.

*D. areolaris* ♂ (B. 2)

*Bracon* ♂: 3 mtd.

*Chalcid* ♂: 1 mtd.

*Cynipid* very common but only 1 mtd. not mtd.

*Beetles* 3: not kept.

15th 16th April 1948. The beautiful sunny day, but cool and wind. Braconids started to fall from a storm of 16th.

17th April. A beautiful morning & forenoon, but drizzle & finally heavy rain all afternoon & evening, with a night of drizzle.

18th April. Everything very calm & fresh looking in morning but dull & threatening, the sun came out & rain gradually clearing & sun out about 5 P.M. First day of summer time!

I am on duty in museum in afternoon. Great signs of growth following the rain & many things like Mr. Ellis's White Lilies in flower. White, non-Tomato in front garden now well out. *Arctostaphylos* in back garden with 3 flower spikes & flowers just opening - this plant with spotted leaves brought from near Torr Hill Co. Wick at Easter 1913, also *Calluna* in front garden.

19th April. A foggy morning & dull, damp, day, but no rain.

20th April. A similar morning after a night of heavy dew, but rain started about 10 A.M. & lasted till 12.30 P.M. with E. breeze along coast & SW. inland. Sun came out about 1 P.M. & very hot sun all afternoon, though wind still E. over east Dublin. *Euphorbia hibernica* (all plant) actually in flower, although <sup>shoots</sup> for days ago only six or eight inches high. Great growth!



21st

21st April 1945. A dull foggy day, with drizzle & heavy rain in late afternoon & evening.

22nd April (Thursday). After a day of rain with drizzle about, a dull fine morning, with slight drizzle at times & showers about in afternoon; late afternoon & evening very fine & sunny, but colder, a wind went from SE to S, & then SW.

Drove in afternoon to Jobston, a village of between the Trenching Pool & into top of moorland road to SW of pool. Many Willow Warblers about Jobston, & 2 Swallows seen there on return journey. Besides Trenching there are several other small town-sites filled with rushes W. of the lakes. Shit I had not noted before. *Ranunculus lancomendae* looking very fine & in full flower around edge of Trenching, & also by roadside pool where the lakes enter the commons. *Mentha fostrata* & *Lygus campestris* also seen in flower at 1150ft., but vegetation otherwise showing little sign of growth.

[Have to hasten in Harcourt Terrace in full flower on the day & Mr Maurice Dalton reported a Wood White Butterfly (*Vanessa*) in his office on S. Frederick St.]

23rd April 1945. A ♂ *Apanteles difficilis*? emerged from a buff cocoon spun by a worm, ex. Geometrid larva taken 25.8.47 by R. G. Fair at Kell, Co. ME.

24th

24th April 1945. A most perfect day, entirely hot sunny with pleasant westerly breeze. Drove in morning (singly, evening, George (brother with only) & Mr Maurice Dalton to Lewis Bridge arriving at 11 AM; collected about 10.30 & 11.30, then drove on to <sup>11.30</sup> <sup>12.30</sup> of Lewis Bridge & walked back to plantation at Gutterton House, & had plantation walk for an hour in afternoon. Lunched at 1.15 PM, left for home at 3.30 & home at 4.30.

Very few insects seen, also better than last time. First dragonfly: *Pyrrhosoma nymphula* beautiful.

By Lake, Co. ME. (= 1) [4 only mtd. From 1 & then labelled on 13.5.1951.]  
*Bombus agrorum* 1, very nice fresh ♀ near (canal).  
*Empis borealis* ♀ (1 ♀ mtd).  
*Empis borealis* 2 ♂♂ & none mtd.

*Eristalis* sp. ♀ not mtd.  
*Stenomacrus morosus* ♂, ant. 24. *St. curvicaudata* ♀, ant. 26.  
*Apanteles* 2 ♂♂, ant. 24.  
*Apanteles* ♂, ant. 24 = *A. cf. excavatus* & a specimen of *propinquus* & head again mtd.  
*D. gilvipes* sp. n. *D. affinis* sp. n. & *D. affinis* sp. n. none mtd.  
*Mesochorus* sp. n. 2 ♂♂, ant. 24. *Mesochorus validus* ♂, ant. 24.  
*Chalcid* sp. not mtd.  
*Pimpla* not mtd.



25 4 48, cont. R. Canal, Co. KD

Single = 10? 1st 1st plant ( = 2 ) [15 mounted from 1. then killed 2. 7. 51.]

*Asplenium ovifolium* = 2, ant. 28.

*Asplenium* 10 10 only mounted =

*Asplenium* 10 10 only mounted =

*Asplenium* 10 10 only mounted =

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25 10 48, cont. R. Canal, Co. KD, cont.

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2<sup>nd</sup> May 1958. A fine cold day with much hot sun & a few heavy hail showers. Left 2 PM for Athdown, Upper Liffey Valley, Co. DU. with Keith Lamb & Marcus Graham, arriving there about 11.30 AM. Edward Butler, suburban (= P. annuus) to bank & also bank grass.

*Orolanthe major* & the collected with *Gula* both above & below the footpath on both banks of the river. 1<sup>st</sup> May had been very cold with very heavy hail & rain in Dublin, but snow on the high hills & Kippure & the Mullaghlinnam very quiet. Wind about 2,300 ft. - the snow-line being extraordinarily steep & just above the level of Clonsilla bog.

1 = Scrub on right bank of Liffey between the footpaths & the dune.

2 = Left bank above footpath & on top of bank & also on right bank above footpath.

Green veined White, Speckled Wood, Peacock (1) & very first Small Copper (1) Butterfly seen. Bombyx lucorum & gemmiferus ♀♀ seen.

18 insects mounted from 1 & 2 here labelled 29.1958.

Taken at 1.

2.5.58, cont. Athdown, Co. DU., cont.

Byrrhid ♂ =

Scarfly 1 ♀ *Scaph. pilis* taken on bank of bank of river opposite Orolanthe major island.

*Camponotus laticornis* ♀, on *Salix* near footpath

*Pimpla tumidipennis* 3 large ♂♂: 1 ad., ant. 30

*P. brunneicornis punctiventris*, very small, 3 ♂♂ ant. 16th 17.

*P. brunneicornis* ? 3 ♂♂: 2 ad.; ant. 16th 20.

*Homocidus ruficornis* ♀<sup>1st</sup> *Plectiscus* ♂, ant. 21

*Camponotus* 7, several species: none id.

*Aspilota* var. *sp.* ♀. *C. annuus* ♂♂

*Adelius flaviventris*, large ♂, ant. 30

*Aspilota* cf. *fuscicornis* ♂<sup>2nd</sup> *Camponotus* ♂, var. with 21-seg. ant. <sup>var. with dark legs?</sup>

*Pison* cf. *abjectum* ♀, lat. rather large?

*Ephedrus* *brun* 3 (2 ♂♂, 1 ♀), ant. 17, 18, 19 (10th seg. 17)

*Monocentrus curvatus*: ant. 22

Proctos 2

Chalcids 4

Byrrhid 2

} none with.



2.5.48, cont. - Colldown, Co. WI, cont.  
Insects taken at 2. [32 numbers from 2 others labelled on 7.9.1948]

Erythraeus 1 ♂ =  
[Erythraeus julii ♀ swept by Graham off bird]

Brachymeria 2 ♂♂ not id.  
Leptocryptus 1 ♀, ant. 28.  
Meteorus bicoloris group ♀, ant. 22 =

Phygadeuon ♂ not id.  
Pimpla brevicornis? ♂♂, ant. 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

St. subaeneus ♂, ant. 30, with wings torn off  
Glypta cf. pedipus ♂, ant. 36, hind tibiae uncalated!  
Stenomacrus tenuicornis ♂, ant. 21

Stenomacrus ventralis 1 typically pale ♀, not id.  
St. viduoides? ♀, ant. 22, abdomen only partly compressed!  
Pezomachus latungula? ant. 43.

Campoplegid 19: 395 only id. =  
Apariteles elongatus ♂, ant. 22.  
Aspilota 3 = A. fuscicornis 2 ♂♂, ant. 17 & 18.

A. (Synaldis) fuscicornis ♀, ant. 17, hind tibiae, legs darkened.

2.5.48, cont. - Colldown, Co. WI, cont.  
Taken at 2, cont.

Diapriid ♂, ant. 22, with stomach! (ant. 22)  
D. longicauda ♂, not id.  
[D. affinis or taken by Graham off bird]

Ephedrus brevis 4: 2 ♂♂, 2 ♀♀, antennae 20 & 21, 22 & 23  
Meteorus curvicauda? ♀, ant. 13  
M. curvicauda ♂, antennae, not id.

Praon 1 =  
Chalcid 5, 1 mounted with stomach and tibiae, ant. 20-25  
Hemiteles on aphid =

Cynipid 2, not id. [Small beetle in mesh very stiff - probably in the mesh, when last year]

3rd May 1948. Cold & dull with much rain during evening & night of 3rd/4th.

4th May 1948. Milder, with much sun, but with rain & strong W. wind in evening. Swifts arrived & Swans hatched in nest above Roshillo Bridge!

At 7 P.M. 2 Swifts flying over back garden & over nesting site in roof of back return of No. 8 Clarendon St. Quite silent!



6th May, 1948. (Thursday). A most beautiful day - the best for some time & nearly all morning; but then of late, but fairly strong W. breeze.

In afternoon drove to Glencasmole & walked up to head of upper reservoir, which was practically all high water mark.

Flora most of the area, as follows: -  
1 = side of path for residential lodge (near Mr. Murphy, formerly Mr. Moore!) to W. end of upper dam.

2. Below by shore of reservoir along the boat "dock" for 200 yards, & willow, & sedge (see H. V. M. M.!) at head of upper reservoir.

(20 mtd. from 1 = this labelled on 15.9.1951.)

Insects swept at 1, Glencasmole, Co. DU. 3.0-3.30 PM.

Diptera =

Phaenocarpa ♀ = *Aethium discolor* Wied. A.W.S. 23.9.51.

Cryptine ♂ & ♀ = *Phaenocarpa*? ♀ ♂ and ♀.

Campid ♀ ♂, ant. 22. *Hemiteles*? ♀ ♂, ant. 25.

*Orthocentrus* cf. *asper* ♂, ant. 24.

*Colastes braconius* 2 ♀♀ not mtd.

*Apanteles vittipennis* ♂ ♀, A.W.S. 23.9.1951.

*Exochus rufipes*? ♂, ant. 24; legs rather dark.

6.5.48, cont. Glencasmole, DU, cont.

Taken at 1, cont.

*Mesochorus* ♂ ♂, not mtd.

*Aspilota* spp. 6 = *A. cf. unispinosa* ♂, ant. 26.

*G. unispinosa* ♂ & ♀, ant. 19 & 16. *G. fusca* ♂, ant. 16.

*G.* of same size but legs much longer than *G. unispinosa*.

*A. (Aspilota)* ♂ ♀, ant. 16.

*Dacnusa latifrons* ♂ & ♀, ant. 16. *D. pubescens* ♂, ant. 16.

*D. longicauda* ♀, with long narrow radius! ant. 20.

*D. aphanta* ♂, not mtd.

*Ephialtes leucostoma* ♂ small ♂, rather dark legs, ant. 11.

*Proctos* ♂ & ♀, of *Abtractus* & *retusus*, not mtd.

*Mesochorus canis* 2 ♀♀: none mtd.

*Aphidius* spp. ♂ & ♀: not mtd. = *A. ruficornis*? small ♀, ant. 16.

*Praon* ♂, none mtd.

*Chalcid* ♂, mtd. - one with brightly coloured legs & one very small. the last 2 only mtd. =

*Lygus* ♂, not mtd.

*Hemiptera* = *Elasmotethus griseus*, one with no trace of red.



6.5.48, cont. - Glencasmole, DU, cont.

Taken at 2. [2 mths from 2 + then labelled on 15.9.1957]

Cryptine 1000, 17: 100 only mounted, with *Stypania* <sup>not 20</sup>

*Pimpla brevicornis punctator* 2 ♂♂, } none mtd.  
*Theridion* ? ♂  
*Campoplegid* ♀

*Colletes brevis* 100, not mtd.  
*Aspilota* *inornata* ? ♀  
*Phaenocarpa galathea* 2000, 17, all mtd off with  
with 1000, also the last four, not 23(100) 22(8).

*Pentapleura pumilio* 100, 17, very small all dead legs, not mtd.

*Aspilota* off 2 = *A. pilosula* *pubescens*, 100, 17, 19, not mtd.  
propodeum smooth with central longitudinal plicate strip.

*Dacnusa areolaris* 1000, 17 } none mtd.  
*D. longicauda* 100 }  
*D. affinis* 2000, 17 }

*D. sp.* near *areolaris* 100, dead legs, not mtd. but not *areolaris* (2 mtd)

*D. areolaris* group ♂, all mtd & dead legs. }  
= *D. nasutipes* ? with long simple g, not 23

6.5.48, cont. - Glencasmole, DU, cont.

Taken at 2, cont.

*Dacnusa affinis* ♀, in mud at foot of *Phacelia*, not mtd.  
*Praon abjectum* ? 2, not mtd.

*Microctonus* *caesus* 3 ♀♀, not mtd.  
*Aspilota* *rubra* ? ♀, not mtd. very large specimen!

*Proctos*, 3, none mtd. } 7

*Chalcids*, 3, none mtd. } 9  
Saw *Pimpla* <sup>100</sup> ~~*pubescens*~~ <sub>100</sub>

8-9th May 1948

Garden, 10 Blenheim Rd., Harold's Cross, DU  
*Nematus ruber* (*albiventris*!) 1000 seen, 1 mtd.

*Pimpla maculatoria* ♂, not mtd.

*Blattaria zonella*, very fresh ♀, taken very hard  
at base of *Hyssopus* now in full flower -  
in front garden, at 6 PM. [1000 seen on 18th!]



9th May 1945. A dull misty morning with glass steadily dropping downward all day, but sun occasionally broke or showed through clouds in afternoon & again after 8 P.M. very mild - misty & rain, the shelter for the hour certainly breeze. Left home at 10.30 P.M. & drove to R. Liffey, S. of Cabinteem Ho, Tallin, to get further specimens of supposed *Salix nigra* X for Bernard Mitchell & when there collected by sweeping *Salix* & *Salix* & the ground vegetation other plants - the latter very rich with dew!

Drove on to Grand Canal Mill & Cabinteem House at 1 P.M. & had lunch, then swept plantation & fields, & S. of road for 2 P.M. till 3.30, but very few hymenoptera about. Not collected in flower, but bicolor in leaf, but nothing on them. The great reed bed along S. side of canal between Cabinteem house & plantation 'all gone' - dug out 1944 & there is a bank to either canal & all the collecting ground destroyed.

9.5.45, cont. R. Liffey, S. of Cabinteem Ho, Co KD. = (1) 9.5.45! 10.30 till 1 P.M. [17 minutes in the collection]

*Ichneumon detritator* ♂, common.  
*Exochus* ♂: 1 ♂, small, with very pale legs, slender legs, which has very prominent spiracles.

*Exochus* ♂: 1 ♂, small, with very pale legs, slender legs, which has very prominent spiracles.  
*Hemiteles* ♂: 1 ♂, small, with very pale legs, slender legs, which has very prominent spiracles.  
*Orthocentrus* ♂: 1 ♂, small, with very pale legs, slender legs, which has very prominent spiracles.

The collected ♀ of *Exochus* ♂ =  
*Brachon* of *quadricornis* ♂, wings nearly torn off, ant. 35m.  
*Rhyssalus clavator* ♂, etc. *Parasit* ♂, ant. 35.

*Entedon* ♂, etc. *Phaenocarpa flavipes* ♂, ant. 30.  
*Aspilota* of *quadricornis* ♂, ant. 17, with very long dark legs & 2-3 segments.  
*Diapriid* *longicauda* ♂, ant. 24, with 2-3 segments of the antenna.

*D. galopae* ♂, etc. *Diapriid* ♂, ant. 27, legs nearly all black.  
*D. dider* ♂, etc. *Diapriid* ♂, ant. 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100.

*Proctos* 4: 3 mtd. =

Samplings 3. *Supria bellis* ♂, etc. & *C. bellis* ♂, etc.  
*Pontania* ♂, etc.



7.5.48, cont. (2) Landonstown Co KD. [20 insects mounted & then labelled on 27.9.1951.]  
Sawflies - *Colletes bircinctus* ♂, ♀, by road W. of  
Poulina S

*Phaenocarpa tenuicornis* ♀.  
Cryptids ♀. *Helictes* *Heurich* of *gracilis* group small ♂♂  
1 ♂ only, mtd = *Leptopygus* ♂, ant. 20.

*Pimpla alternans* var *Kottloffi* 2002 [it smaller with distinctly clavate  
24 seg. antennae & shorter apical  
segment. It larger with only  
22 seg. antennae, more filiform  
& with longer ant. apical segment.]  
*Exochus cf. pictus* 1 ♀, small ♂ dead  
*Homocidus pulcher* & *obscureus* ♂♂ mtd; 2nd mtd  
*Zostrophus suspensus* ♂, ant. 21, mtd. 2nd mtd.

*Cryptids* 2 ♂♂, (♀). none mtd.

*Bracon cf. bipiticeps* ♀, large, ant. 28, otherwise common with  
*Microplitis xanthopus* ♂. *Sphalio* cf. *collidis* ♂  
*Aphanta* *major* ♂, 22. *Aspilota* (*Spalding*) *truncicornis* ♂.  
*Dacnusa laevipectus*, 2002 ♀: ♂, 1 ♀, mtd. ant. 24 & 21 (mtd).  
*D. affinis* 1 mtd. *D. affinis* ♂, mtd. *D. rufipes* ♂, mtd.  
*D. cf. rufipes* ♂, 1 ♀, 1 ♀, ant. 27 & 24. *D. maculipes* ♂, ant. 22.  
*Mesochorus curvatus* ♂, not mtd.  
*Aphidius* aff. ♂, not mtd.

2 Proctos. 1 small, red head & red thorax (probably *beatus* aff. *beatus*)  
= *Dacnusa humilis* F. (= *bipunctulata* Ramb.) pale ♂. O.M. *beatus* ♂, not  
to the Irish list. also 1

19th May 1948. E. by fine day, wind all day, after a  
chill, hot day; wind light, sun hot. G. DU.  
with *maius* pollen [13 mounted & then labelled 6.10.1951.]

*Leptocryptus* from the *balgus* group, *balgus* & *balgus*  
of Grand Canal to Gullinstown bridge. Collected by  
sweeping along canal on way; 1st & 2nd mtd. 3rd mtd. of  
Gullinstown bridge; & that N.W. of mtd. & mtd. *Phaenocarpa*  
filled pond N. of wall on bank, 3 till 4.30 P.M.

*Bombus lucorum*, *terrestris*, *lapidarius* & *agrorum* mtd.  
*Cryptids* 6 ♂♂ (3 *Heurich* & 3 *Stratiomys*); 1 ♂, mtd. 1 ♂

*Homocidus* ♂, ant. 19, mtd. 1 ♀, mtd.  
*Stenomacrus curvicauda* ♀, ant. 25  
*Lathrolepis infusalis* 2 ♀♀ taken by M. V. K. & V. G. Gahan

*Bracon bipiticeps* 2 ♂♂ & 2 ♀♀ } *Sigalphus* cf. *condoleus* ♂, ant. 21.  
*Aspilota* *oculata* (Hull) Th. ♀, 22 } *Stenomacrus ruficornis* ♀, not mtd.  
*Opius pendulus* ♂, ant. 19. *Alloea contracta* ♂, not mtd.

*Pentapleura pumilio* ♂ & ♀, not mtd.  
*Aspilota nigron* ♂, 19. *Dacnusa* ♂ 19. } *A. (S.) parvicornis* ♂, mtd.  
*Dacnusa areolaris* 2002. *Gyracampa* cf. *uliginosa* 2002, (♀)  
or ♀ mtd., ant. 27 & 25.

*Gyracampa striata* m ♀, ant. 21, very nice specimen!  
*Chalcid* *lyophilus* large ♂, ant. 26. *Chalcid* *conspicua* 10, 1 ♀, not mtd.  
*Microctonus curvatus* ♂, 2 ♀♀, *Aphidius* aff. 7, none mtd.

Proctos 3: none mtd. Beets (gnats) =

[First *Bracon ruficornis* ♂ seen in garden, St. Clareville St., Dublin  
at 1 P.M.]



May 1948.

Mrs. Zoe Hall of Newport House, Banahale, brought me a mass of spider's egg sacs - said as was found in out-house that are not often cleared or swept - from which she had bred a ♀ *Campele oculator* (not 26) & from which I later bred 2 larger ♀♀ of the same species (not both 29) & also a ♂ & ♀ *Hemiteles* sp. of which the ♂ ant. had 24 segments & the ♀ 25 segments.  
They emerged between 13<sup>th</sup> & 21<sup>st</sup> May.

14<sup>th</sup> May 1948.

*Spathius caecator* 3 ♂♂, 2 small ♀♀ taken in water lilies,  
14 Glenville Rd., Harold's Cross, Dublin,  
running about boards infested with *Curculionid* punctation.



