

Locality Lists of
Land & Freshwater Poliosea
Found by
A. D. Helfert

1909-1910 various dates by other collectors
in single excursions.

"Journal",
Vol. II.

July 23rd 1909.

B.N.F.C., Tappal Excursion.

Curistella, G. Fermanagh, July 9th 1909.
west of Brossa

Union stevensi

xyris agrestis

Vitrea albicoma Like *V. albicoma*

NB. all collected on bank

" *crystallina*

of River bank except

Helix subdata

those at Lough Joan.

" *hipida*

" *infusor*

" *aculeata* } not in wood along shore of

" *pygmaea* } Lough Joan.

" *remoralis*

Bohlinia albica

Cyprina anglica

" *cylindracea*

Planorbis bidentata

Limnaea peregra

Planorbis rotundus

" *palustris*

" *rotundus*

" *stagnalis*

Bythinia tentaculata

Physa fontinalis

Valvata pinnacalis

Planorbis albus

Sphaerium cornu

" *coriacea*

Cerithium pusillum

Lough Joan.

Lough Galligh west of Carriskille
Co. Fermanagh. W.S. & F.B. O.B. 15th July 09

- Helix hispida*
- " *retardata*
- " *renovata*
- Pupa cylindracea*
- Limnaea peregrina*
- " *stagnalis*
- Physa fontinalis*
- Planorbis contorta*
- " *carinata*
- Valvata pinnata*
- Bythinia tentaculata*
- Sphaerium comense*
- Pisidium pusillum*
- " *milium*

Fermany Bridge (River Lillies)
Co. Fermanagh. W.S. & F.B. O.B. 15th July 1909

- Apis. agrorum*
- Vitrea albicoma* *Liljebl. Libermania*
- ~~*Lucorum fulva*~~
- Arion ater*
- " *subfuscus*
- Helix retardata*
- " *superba*
- " *hispida*
- " *renovata*
- " *superba*
- Cochlicopa lubrica*
- Pupa cylindracea*
- Balea pumila*
- Clavicornia fiduciosa*
- Aerolopus laevis* *Dead in River*
- Byth. tentaculata*
- Sphaerium comense*

North Shore of Lower Lough Macnean
Co. Fermanagh. coll. by F. B. B. 10/1/09.

Ayris. agrestis

Vitrea cellaria Like *V. libernica*.

Lucconulus fulvus

Zonitoides nitidus

Helix rufostriata

.. *rufescens*

.. *renovata*

Cochlidopa lubrica

Clavilixia fidentata

Pupa cylindracea

Vertigo antivertigo

Succinea Pfeifferi

Limnaea peregrina

.. *palustris*

.. *stagnalis*

Bythinia tentaculata

Sphaerium conicum

Blacklion, Co. Down,
coll. by F. B. B. 10.7.09.

Ayris. agrestis

Limnaea peregrina

Planorbis contorta

In drain Long river.

Succinea Pfeifferi

Edostia cristata

Sphaerium conicum

Vitrea cellaria

Helix rufostriata

.. *rufescens*

.. *renovata*

By cottage 1 mile west of village.

Pupa cylindracea

Clavilixia fidentata

Snipey Mountain,
550-500 ft. alt. Co. Caran. Oct. 19-29.

- Arion ater*
- " *intermedius*
- " *fasciatus*
- Agriolimax agrestis*
- Vitrea cellaria*
- " *albivittata*
- " *radiatula*
- " *pura*
- " *nitidula*
- " *crystallina*
- Helix rotundata*
- " *subperforata*
- " *lipida*
- " *remoralis*
- Pupa amphibia*
- " *cylindracea*
- Physalis edentata*
- Vertigo antiverstis*
- " *substriata*
- " *pygmaea*

Vitrea lituensis, Bernard.

Small high spired form.

19. No *clausilia* seen at all

- Arion ater*
- Lacuna* *diffusa*
- Lacuna palustris* - a rather slender form common in part
to the base of the mt.
- Planorbis* *parvulus* - 1/2 in. diam. - 1/2 in. high.

Glacier Mountain, 1700 ft. alt. S. Caran.
Oct. 11-29.

- Agriolimax agrestis*
- Arion subfuscus* - almost black.
- Vitrea albivittata* - all type.
- Lacuna palustris*
- Helix subperforata*
- " *lipida*

Pupa cylindracea

all living on the outcrops of
rock which project above
the great bog covering of
the mountain.

No shells observed in the small
town. Water very peaty +
deep. Few plants.

Glenade Mountain 1150ft alt. Co. Leitrim
Ist. 11.7.09.

- Agrius agrestis*
- Arion ater*
- " *subfuscus*
- Vitrea nitidula* Var. *helmi*.
- " *albivittata* Var. *viridula*.
- " *pura*.
- " *crystallina*
- Cucumula fulva*
- Helix hispida*
- " *rupescens*
- " *memoralis*

All living on the great
cliffs which overlook
the Valley. Facing S.W.

- Bochliopa labruia*
- Barychmina*
- Purpa cylindracea*
- Sphyradina edentata*

Shore of Glenade Lough at sunset, Co. Leitrim
Ist. 11.7.09.

- Arion ater* Var. *albivittata*.
- " *subfuscus*
- Agrius agrestis*
- " *laevi*
- Limax arboreus*
- Vitrea radiatula*
- " *crystallina*
- Barychmina*
- Purpa cylindracea*
- " *anglica*
- Vertigo antevestigo* Rare. One magnificently elongated specimen.
- " *substriata* Rare.
- " *pygmaea* Large + fine.
- " *ellgeboyi* Common.
- Succinea Pfeifferi*
- Limnaea peregrina*
- " *palustris*
- " *truncatula*
- Physa fontinalis*
- Ancolosa lacustris*
- Sphaerium cornu*
- Pisidium pusillum*

21.11.09
at sunset 11.2
16.5

Woods in Glendale, Co. Leitrim
aut. 11.7.09

- Linnæa arborum.*
- Agria. agrestis*
- aria atr.*
- " *subfusca*
- " *intermedia*
- " *hortensis*
- " *fasciata*
- Vitrea nitidula*
- " *cellaria*
- " *alliarum*
- " *pura.*
- " *radiata.*
- " *crystallina*
- Cucumula fulva.*
- Helix rotundata*
- " *rappestri.*
- " *pygmaea.*
- " *aculeata*
- " *lamellata*
- " *hipida*
- " *venosula.*
- Buccella lativa*

V. hibernica near "Wooden Bridge".

- Larychia mini-*
- Pupa anglica*
- " *cylindracea*
- Sphyrula edentula*
- Vertigo pygmaea.*
- Balenia fusca.*
- Glaucilia hibernica*

Shore of Lough Melvin near Garrison
Co. Fermanagh. aut. 12.7.09.

- Linnæa peregrina*
- " *palustris.*
- " *stagnalis.*
- Angitia flavicollis.*
- Physa fontinalis.*
- Planorbis albus.*
- " *contorta*
- " *carinata*
- Zythia tentaculata*
- Sphaerium comae*

Shore of Lough Agass 4 miles above
Killycloffer in Co. Fermanagh.
alt. 450 ft. aut. 12.7.09.

Helix nemoralis. a large number living in roadside
ledges. Many were small, heavy &
high spired & a few also had white
lips. Quite a number were of the
form rozezonata but the most
common was "(12)(345) libellata."

Helix hispida.

Coellicopa lubrica

Pupa cylindracea

Limonium peregrin

" *truncatula* ✓

Valvata pinnicula: a nice neat little form. High spire.

Pisidium *abund.*

" *sp.?*

a large open shell somewhat resembling
*P. hibernicum** *Wart.* In outlet of lake.

N.B.

Since identified by B. B. Woodward as
Pisidium lilljeborgii, *Clavii* & new
to the British Fauna.

* The "*P. hibernicum*" above referred to afterwards proved to be
P. lilljeborgii, misidentified as *P. hibernicum*,
presumably because they came from Lough
Nagarrin, Co. Kerry. *u.w.s.* 1912.

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← *P. constantus*!
(M.K.)
see *J. Conch.* 27
(1969): 57

Near Assaroe Abby, Ballyshannon. Donegal East.
A.W.S. 13.7.09.

Agrio. agrestis.

arion ater

" *subfuscus.* Very large specimens.

Vitrea cellaria. Several white specimens but all young.

Mr. H.L. over however took no very nice
full grown white specimens alive.

Helix rotundata.

" *rufescens.*

" *livida.*

" *rufescens.*

" *aspersa.*

" *remorata.*

Bochliopsis lubrica.

Pupa anglica.

" *cylindracea.*

Glanvillea tidentata.

Lemna peregrina. Dead.

" *stagnalis.* Dead.

Valvata piscinalis. Dead.

Planorbis albus.

Bythinia tentaculata. Dead.

Pisidium.

South Bank of River Lave above Ballyshannon.
Donegal East. A.W.S. 13.7.09

Agrio. agrestis.

arion ater.

" *subfuscus.*

Dreissena.

Planorbis.

Planorbis.

Planorbis.

Planorbis.

Planorbis.

Planorbis.

Planorbis.

Planorbis.

Planorbis.

Planorbis.

Planorbis.

Planorbis.

collected by R. Welch at Malloghmore Co. Sligo
12.7.09.

Agrius agrestis

arion atre

Vitrea albicincta Type var. *viridula*.

" *nitidula*

Eucnemis fulvipes

Helix rotundata

" *remorali*

" *itala*

Common.

Blasilia bidentata

Pupa cylindracea

Vertigo pygmaea

Succinea putris ??

Limnaea peregrina

" *truncatula*

Pisidium pusillum ? (169)

collected by F. Balfour Browne near Ballyshannon
Donegal East. 12.7.09.

Littorina palustris

Succinea Pfeifferi

P. album

" *carinata*

" *leucostoma*

" *contorta*

Shore south of Newcastle near Bloody Bridge

G. Down. 0-30 ft alt.
W.S. + R.W. 25.7.04.

- Limon* *artem*
- Agrio* *agrestis*
- " *laevis*
- Milax* *gagates*
- Aris* *ator*
- " *subfuscus*
- " *intermedius*
- Sitrea* *alliaris*
- " *radiatula*
- " *pura*
- " *crystallina*
- Eucomula* *fulva*
- Helix* *pygmaea*
- " *rotundata*
- " *hispidula*
- " *remoralis*
- Bochliopsis* *lobata*
- Carychium* *min*
- Bala* *peruviana*

Type + var. *viridula*.
 all type.
 all dead
 Rare.
 on young specimen only
 No *clavipes* seen.

- Pupa* *ar* *vicia* fairly common along shore.
- " *cytharata*
- Vertigo* *pygmaea*
- " *intermedius*
- Hydrobia* *ventralis*
- Ancylus* *flaviventris* a very small subcircular form with the cap usually eroded being right down to a few feet on high tide mark.
- Limon* *pygmaea* In pool along road side.
- " *truncatula*
- Pisidia* ? Under stones in swampy place on shore.

Newcastle Golf Links near hotel.
 G. Down. W.S. + R.W. 25.7.04.

- Helix* *acuta*. Still remaining on east west hotel grounds. Fairly common.
- " *hispidula*. Meretric form.
- " *remoralis*. One specimen "ooooo unimata" Thin shell.

Orlock Pt, Co Down.

alt. 10ft.

A.W.S. 1.8.09.

Agrius agrestis.

Arion ater.

Var. *plumbea*.

Helix rotundata

" *hiopida*

" *numoralis*

" *acuta*

Sp. & vars. *strigata* & *bifasciata*.

" *asperosa*.

Cochlicopa lubrica

Palaea perversa Common.

CLAREMONT SURVEY.

September Drip 1909.

Long Dip, S. Kildare

W.S. & J.M. 3.9.09.

Limax flavus.

Agrius agrestis

Arion ater

" *subfuscus*

Vitrea crystallina

" *albata*

"

"

" *fulva*

Helix rotundata

" *rupescalis*

" *saccata*

" *costata*

" *itala*

Very large form.

" *cuperata*

" *virgata*

" *acuta*

" *numoralis*

" *hortensis*

Vitrea pallidula

N.B. all taken within

1/2 mile radius of

M.S. Westa Station.

Leslip continued.

Helix aspersa.

" *lispida*.

" *rufescens*.

Bohlius lubrica

Carychium

Blausilia fiduciosa

Vertigo pygmaea.

Purpura aspersa In marsh.

" *cylindrica*

" *muscorum*.

Common on edge of canal in viaduct

Bulimus obscurus

One dead in marsh below viaduct.

Juccinea effusa

" *putris*.

Limnaea peregra

Physa fontinalis

Planorbis albus

Dead.

" *carinata*

Bythieria leachi

Very abundant in canal.

" *tentaculata*

Valvata cristata

Sphaerium cornu

Leslip continued.

Pisidium nobile

"

Found at Broadstone Station.

Subl. - w & J. M. 3.9.09.

L. carinata

Byth. tentaculata

" *leachi*.

Sphaerium

Old Fens north of Malleranney

Mayo West. w & J. M.

4.9.09

Limnaea maximus

" *artorum*

Agriol. agraria

Arion ater

" *subfuscus*

" *hortensis*

" *fasciata*

" *intermedia*

Malleranney
= Malranney

Mulluranny continued.

- Milax fajates at Station
- " sowerbyi at Station
- Vitrea pelucida
- Vitrea cellaria
- " allioria
- " nitidula var. helmi at station
- " radiatula
- " pura
- " crystallina
- " fulva
- Zon. excavata
- Helix pygmaea
- " rotundata
- " rufescens
- " fusca
- " caprata at Station
- " itala in sand dunes (Ghastor & Collier)
- " aspersa
- " nemoralis
- " cancellata
- Bochlispa tubica
- Bochlispa minima

Mulluranny continued.

- Planorbis bidentata
- Balca parvula
- Purpa anglica
- " hindiana
- Sph. edentata
- Vestys pygmaea
- " subtristis
- Littorina pumila at Station & also in sand dunes. var. boissyi.

Also in shells drain
at Mulluranny station
with L. perys,
Pisidium nitidum
P. ~~pumila~~
P. milium

- Pisidium ~~nitidum~~
- " milium

Pisidium coarctatum
Id. B. B. Woodward

Sand dunes at Curraun, Ashill Road.
May 1st. 1880, J.S.C., E.C. & J.M.M.

- Milax fajates
- Littorina pumila
- Agrius agrestis
- " laticornis

5.9.07

Cynonura continued.

- Arion ater*
- " *suffusum*
- Vitreia pellucida*
- Vitreia cellaria*
- " *alliarum*
- Helix retardata*
- " *itala*
- " *capitata*
- " *excantaria*
- Helix aspersa*
- " *nemoralis*
- Cochlicopa lubrica*
- Barychmina*
- Pupa amplia*
- " *cylindrica*
- Vertigo poppea*
- "
- Planorbis spirorbis*
- Pisidium* ~~XXXXXX~~

V. hibernica

Pisidium *casertanum*
permatum
 Id. B. B. Woodward
 Pool near Valley
 with *P. spirorbis*

Achill Island (Dooagh + Linn areas)
 Mayo Dist., W. I., 6.9.09.

- Arion ater* 1,000 ft. alt. 6.9.09
- Cyris laevis* a violet form noted by Dr. Chester.
- " *gracilis*. V. no. *stimulata*, *truncata* + *lucina*.
- Milax papata*. The nearly black at 900 ft. alt.
- Vitreia alliarum*. Dooagh.
- " *alliarum*. Shore of Lough Begmore. 555 ft. alt.
- "
- " *crystallina*
- Helix aspersa*. Dooagh. In stone walls.

- Linnæa truncatula* Dooagh.
- Pisidium* sp.? Lough Begmore.

Pisidium casertanum
lacustris form
 Id. B. B. Woodward

(F 51) Lough Begmore, Achill Is.
 555 ft. alt. W.D. 6.9.09

Pisidium casertanum. Id. B. B. Woodward.

Lough Bonyntaw, Achill Is. W.D. 6.9.09
Notthis. B. B. Both lakes very flooded.

Achill Island (Keel district) Mayo Dist.
aut., JWC, C.C., JMM. 5.7.09.

- Agrostis agrestis*
- " *laevis*
- Arrhenatherum elatius*
- " *fasciculata*
- Helyx italica*
- " *aspera*
- " *acuta*

Boecklinia tuberosa

Succisa Pfeifferi

Limonium perfoliatum var. *boissieri* - Keel Lough

" *auriculatum* var. *acutum* - Keel Lough

Platanus cresta near Keel Lough - drain.

" *glabra*

Pinguicula vulgaris

(175)

Achill Island (Valley & Bogport areas)
Mayo Dist. aut., JWC, C.C., JMM. 7.9.09.

Limonium maritimum

" *rotundum*

Agrostis laevis

" *agrestis* var. *lilacina*

Arrhenatherum elatius

" *minus*

" *fasciculata*

Vitruvia pedunculata

Vitruvia cellaria

" *elliptica*

" *radiatula*

" *crystallina*

" *fulva*

Milium gayatum

" *sowerbyi*

Helyx rufescens

" *renovata*

" *acuta*

" *italica*

" *aspera*

" *rotundata*

" *excubica*

See note to *V. pulchella* in vol. IV, p. 11.
G. H. S. 1924

The Valley, Achill Island continued.

Boekliospa tubrica
Bayle nini a few very big specimens
Purpura cylindracea
Vertigo pygmaea

Aph. edentula
Succinea pfeifferi

Limnaea purpurea Loughs Doo & Gall.
" *auricularis* Var *acuta* in Lough Doo
" *truncatula*

Pisidium mili Ver. B. B. Woodward.
" *nitida* Ver. B. B. Woodward.
" *patellula* }
" *casertanum* } Id. B. B. Woodward
" *personatum* }

Lough Gall, Achill Island.

Limnaea purpurea
Pisidium ~~nitida~~ *patellula*, *P. casertanum*, *P. personatum* Id. B. B. Woodward.
Lough Doo.

Limnaea purpurea
" *auricularis*
" *truncatula* + *Pisidium nitida*, *P. persianum* Id. B. B. Woodward.

North East Coast of Clare Island between

Mauve & Light House, Mayo Dist.

sub. M., A.C., C.C. & P.M. 9.9.01.

Limnaea found with markings reduced to spots.

Lymnaea stagnalis

" *caeris*

Limnaea *nitida* type over. *nitida*

" *patellula* Rare

" *subpurpurea* On roadside below light house.

Vitrea nitidula Rare

" *elliptica* Var. *nitidula*. a few type.

" *crystallina*

" *radiatula*

" *crystallina*

" *fulva*

Zonitoides nitida common - the deeper parts near the

" *excusator*

N. Quay.

Helix pygmaea

" *retardata*

" *lispida*

" *itala*

" *renovata* fairly abundant.

Boekliospa tubrica

N.E. Coast of Clare Isl. continued.

- Barychmina*
- Pupa anglica*
- " *cylindracea*
- Vertigo pygmaea*
- " *substriata*
- " *antivertigo*
- Blasidina bidentata*
- Succinea pflügeri*
- Lima truncatula*

Light House Pool
 Linnæa peregrina
 Pind. casertanum
 nitida, var.
 gossuianum, var.
 Id. B.B. Woodward

Cliffs on Area No. 3.

North Slope of Knocknaree, Clare Isl. Mogo Dist. A.W.S., R.S., & J.M.M. 10-9-09. 25 ft. alt.

- Agrio. agratis*
- " *caeris*
- Lima arborea*
- Arca minima*
- Vitrea pellucida*
- Vitrea nitidula*
- " *allioria*
- " *radiatula*

Dead.
 Type + var. helmi
 Var. viridula only.
 Type + var. viridula.

Knocknaree Cliffs continued

- Vitrea pura*
- " *crystallina*
- Pect. rotundata*
- " *purca*
- " *ventricata*
- " *renovata*
- Boch. niropa*
- Barychmina*
- Blasidina bidentata*
- Palia purpurata*
- Pupa glidiana*

Type + var. nitidula.
 Greenish, light & dark brown forms.
 Young & white (J.W. Shuster)

Arca lineata Linnæa, but all type.

Knocknaree North, Clare Island. 10 ft. alt. A.W.S., J.M.M., R.S., & G.W.C.

- Planorbis spiralis*
- Pind. subtruncata*
- " *gossuianum*
- " *casertanum*
- " *purpurata*

9-9-09 + 10-9-09.
 Var. B.B. Woodward. 9-9-09 only
 " " " " " "
 Id. B.B. Woodward.
 " " " " " "
 10-9-09 only

Bryggan Lough, Glace Island.
alt. 325 ft. Mayo Dist. Dub., J.S. & P.H.

Linnaea purpurea
Pisidium ~~puberulum~~

Pisidium costatum
obtusale
Id. B.S. B.S. Woodward.
(11.4.09)

10.9.09.

Planorbis cristata Fairly common on S.E. side of Lake

South Coast between Ballymore & Abbey.
Glace Island, Mayo Dist. Dub. 10.9.09.

Agriol. laevis

" *agrestis*

Milax sagittata

Arion ater

" *saffordii*

Vitrea alliana

" *radistula*

Helix rotundata

Planorbis spirorbis

Linnaea purpurea

" *truncatula*

Pisidium milium

" *nitida*

" *costatum*

Ashtle for take near Ballymore

Ver. B.S. B.S. Woodward.

Ver. " " " (Very oval & tumid)

Id. " " "

(15²)

"Witch Tower" Glace Island. alt. 470 ft.

Mayo Dist. Dub., J.S. & P.H., C.V. + J.N.M. 11.9.09

Agriol. agrestis

Linnaea purpurea

Arion ater

" *minimus*

Vitrea alliana

" *crystallina*

" *pura*

Helix rotundata

Bocheispa tubicula

Planorbis kidentata

Vertigo pygmaea

" *substriata*

" *antivertigo*

Pupa sylvia

" *glabrata*

Fuccinea

Linnaea truncatula

a dark banded form.
all var. plants.

Ver. *viridula* + type.

Zonitoides macerata

List of altitudes to which various species run
on South West slope of Croaghmore. 11.9.09.

800ft. level.

Ancylus flaviatilis

750ft. level.

Linnæa truncatula

Pisidium

183

700 ft. level.

Linnæa arvensis

Arimmina

" subpicea

Vitrea alliarum

" nitidula

Habia rotundata

Boeckliscopa labris

Planorbis plicatula

600 ft. alt.

Vertigo pygmaea, *V. subtrita* & *V. antvertigo*

Barzani

Cyprina glabra

Zonitoides

"Lough Naphouca"

"Sea of the Past" & West End, Clare Island.

Mayo Dist. W.B. & F. 11.9.09.

Balca pumila

Linnæa pumila

" pumila

" pumila

" pumila

Pisidium

" casertan Id. B. B. Woodward.

P. subtruncata
" casertan
" pumila
10.4.09

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South Slender of Croaghmore overlooking Lough.

Clare Island, Mayo Dist. W.B. 12.9.09. (No. 1)

alt. 250ft.

Arimmina

" casertan

Arimmina

" pumila

" intermedia

Vitrea pumila

" pumila

" alliarum

" fulva

Zonitoides

Lough Arulla 12.9.09
Linnæa pumila
Valvata pumila
Pisidium casertan
The fine spec. of *Hyalina alliarum*
taken in fields behind sand-dun
near school. W.B. 12.9.09.

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Knocknaree continued.

Helix rotundata.

" *eccentrica.*

bocklinia lubrica.

baylei minor.

Purpura anglica.

" *cylindracea.*

Sph. edentata.

Vertigo pygmaea.

" *antivertigo.*

Lacuna

lanceolata.

ND. There are two boxes in lat. case, dated 12/9/09 both contain *V. eccentrica* & one is labelled "Harbour" & the other "Kinmacorra". A.W.S. 1924.

Miscellaneous records by R. Welch.

Purpura anglica.

Nº1. South Shore. Rare.

Helix lamellata.

"Praeger's Wood." near Maun.

Helix aspersa.

Nº1. South Shore. Rare.

Vitrea nitidula.

Nº1. South Shore.

Valvata pinnata.

outlet of L. Anallin.

Longshore Cliff, Carr. Island.
No. 40-00 ft. Mayo's List. 2008.

12.9.24.

- Helix rotundata*
- Helix eccentrica*
- bocklinia lubrica*
- baylei minor*
- Purpura anglica*
- Vitrea nitidula*
- Sph. edentata*
- Vertigo pygmaea*
- Vertigo antivertigo*
- Lacuna lanceolata*

- Helix rotundata*
- baylei minor*
- bocklinia lubrica*
- Lacuna lanceolata*
- Purpura anglica*
- Vertigo substriata*
- Purpura anglica*
- Vitrea nitidula*
- Sph. edentata*

Vitrea nitidula & type

Broaghmore Cliff, Clare Island
alt. 250-600ft. Moys. Inst. AWS. 13.9.09.

Agris. agrestis

Arion ater

" *sulfascus*. a very dark form.

" *intermedius*

Vitrea pellucida

Vitrea nitidula

" *alliaris*

" *pura*

" *radiatula*

" *crystallina*

" *fulva*

Helix rotundata

" *pygmaea*

" *fuscus*

Coch. tubicula

Barych. mini

Clausilia bidentata

Balea pumilio

No dead specimens

Xantho. edentata

" *substriata*

Pupa anglica

" *cylindrica*

Acme lineata. Type.

Limosa truncatula.

Broaghmore continued
alt. 800-900ft. AWS. 13.9.09.

Agris. agrestis

Arion ater

" *sulfascus*

Vitrea nitidula

" *alliaris*

" *pura*

" *radiatula*

" *crystallina*

" *fulva*

Helix rotundata

" *pygmaea*

" *fuscus*

" *lamellata*

" *aculeata*

Coch. tubicula

Barych. mini

Clausilia bidentata

Acme lineata

On moss - *Hypnum capressiforme* - type only.

Pupa anglica

" *cylindrica*

Limosa truncatula

Very common. A form much resembling *Limosa truncatula*.

The Abbey, Clare Island.
Mago West, AWS. 13.4.09.

Limey outcrop.
Agris. apertis
Nilex. jagatus.
Ariom. ater

Spotted form.

Brownish form. Only place seen on island.

" intermedium
Vitrea cellaria
" crystallina

Clare Isd Land Shell Deposit

H. ericetorum
H. pulchella.
C. lubrica

Helix aspersa.

1 Shee-deposit under marsh. at Doonaghly 15/9/01

H. ericetorum
C. lubrica.

" hispida

L. peregra
L. truncatula.

Balcan fuscosa
Glaucilis pidentata
Purpa cylindracea

A.M.S.
from R. Velock

Roosah Sand Dunes & Lakes
near Louisaugh, Mago West.
AWS, RW, JWC, E.C., + J.M.M. 14.9.09

Agris. apertis
" laevis
Ariom. ater
" subfusca.
" intermedium

The very young species near Carroniskry School. 15.9.09

Milex. ~~jagatus~~

Vitrea pellucida
Vitrea alliaris

" radiatula
" fulva.

Zon. nitida
Helix pulchella.

" itala
" hispida
" rotundata

R.D.
Carroniskry School. 15.9.09

Boch. lubrica
Carychi. mini

Purpa cylindracea
Vestys. pygmaea

" antiverstys

The Abbey, Clare Island.
Mago West, AWS. 13.7.09.

Limeo orbore

Spotted form.

Agric. apertis

Milax gajates

Brownish form. Only place seen on island.

Arion ater

" *intermedius*

Vitrea cellaria

All specimens a creamy white colour.

" *crystallina*

Helix aspersa

With a peculiar crumpled appearance evidently owing to continual tramping over stones under which they rest.

" *hispidula*

A dark form quite unlike that found in other parts of the island.

Balea fusca

On walls of cave (inside)

Planorbis perversa

Palpa cylindracea

Roonah Sand Dunes & Lakes
near Louisburgh, Mago West.

AWS, RW, JWC, E.C., & J.M.M. 14.7.09

Agric. apertis

" *laevis*

Arion ater

" *suffusus*

" *intermedius*

Milax ~~gajates~~

The very young specimen near Carraniskay School. 15.9.09

Vitrea pellucida

Vitrea alliaris

" *radiata*

" *fulva*

Zon. nitida

Helix pulchella

" *itala*

" *hispidula*

" *retundata*

Boch. lubrica

Barych. mini

Palpa cylindracea

Vestys pignea

" *retroversa*

P.D.
Carraniskay School. 15.9.09

Roonah continued.

- Saccina Pfeifferi*
- Aplecta hypnorum*
- Lemna pulegioides* also in Carronistky River. 15.9.09.
- " *auriculata* Var. *scuta*. Very common - Lough Bawn.
- " *stagnalis*
- " *palustris*
- " *truncatula*
- Planorbis albus* Common.
- " *glaber* Rare. At inlet of Lough Bawn. Common here.
- " *crista*
- " *contorta*
- " *spirorbis*
- Valvata cristata*
- " *piscinalis*
- Byth. tentaculata*
- Paludicola jacksoni* In small "salty" lake near Lough Bawn with *L. pulegioides*, *Valvata piscinalis* + *Pisidium nitidum*
- Pisidium nitidum* Var. B.B.U. Roonah L. (inlet)
- " ~~curvatum~~ H.B.B.U. L. Bawn. L. Roonah (inlet).
- " ~~subtruncat~~ Var. B.B.U. Roonah L. (inlet)
- " *nitidum* H.B.B.U. "Salt Lough" + L. Bawn.
- Aneples flavicollis* - Carronistky River 15.9.09

P. pulegioides
H.B.B.U.
Roonah L. (inlet)
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Droghda Sand Dunes, Malinbeg, Mayo Dist.
18.9.09. G.S.S. 15.9.09.

- Pisidium nitidum*
- " *lucorum*
- Lemna pulegioides*
- Planorbis albus*
- " *sulphurea*
- " *intermedia*
- Vitrea elliana* Type + Var. *viridula* & several white specimens.
- " *nitidula*
- " *fulva*
- " *radiatula*
- " *crystallina*
- " *fulva*
- Zonitoides nitida*
- " *excavata* Rare. (G.W. Chaston).
- Helix papyrea*
- " *rotundata*
- " *excavata* Correct. G.W.S. 1924. Also *pulchella* taken on same day. G.W.S. 1924.
- " *lamellata*
- " *secalata* Two spec. without spines.
- " *renovata*
- " *asperna*
- " *itala*

Dooaghly continued.

- Coch. lubrica
- barzchi mini
- Pupa anglica
- " cylindrica.
- Blasilia fidatata.
- Balea peruviana.
- Sph. edentula
- Vestigo pygmaea
- " substriata
- " angustior
- " antiverstigo
- "

Common under stones & in moss -
Hyphaea velutina

- Succinea pfeifferi
- " oblonga
- Limnaea peregrina
- " auricularia
- " stapulea
- " palustris
- " truncatula
- Physa fontinalis
- Acmea lineata

Extremely abundant, but mostly young.

Var. acuta

a slender form.

In moss in woods. Type only.

Dooaghly continued.

- Marstonia alba
- " grisea
- " curvata

- Adiantum punctatum
- Sph. -
- Pisidium -

Pisidium ~~curvatum~~ ^{multicostatum} Id. B.B.W.
~~curvatum~~ ^{oblongum} h. marsh near Dooaghly L.
~~gossypium~~
~~personatum~~ 26.3.1910.

" curvatum. Id. B.B.W. In outlet of Dooaghly lake.

M^o Bennett's hotel garden, Louisaugh
 Mayo Dist. 25.3.1910 + 26.3.1910.

- Agriolimax agrestis
- Nilox japonica
- Limnaea stagnalis
- " hortensis
- " intermedius
- Vitrea cellaria
- Helix rotundata

Brownish form.
 Young.

Very large = 1.

Collected in Old Head Wood G.
M. Middle. Near Louisaugh. 15.9.09.

Vitrea alliana

" *pura*

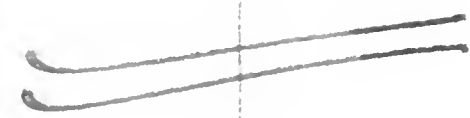
" *nitidula*

Helix rotundata

" *livida* a white specimen.

Flauritia fidulata

Balea pumosa.



Near Murrisk on shore. Mayo West
and, G.W.C., E.C., & J.M.M. 16.9.09

Agrius agrestis

Milax sagax

Arius ater

" *subfuscus*

" *minimus*

Vitrea cellaria

" *alliana?*

" *nitidula*

" *rotundata*

" *livida*

" *fulva*.

Murrisk continued

Helix pumosa C. Collier.

" *rotundata*

" *rupestris*

" *livida*

" *venosa*

" *aspera*

bock. *Lubra*

harychi min

Pupa cylindrica

Vertigo pumosa

" *subtrita*

" *antivertigo*

Flauritia fidulata

Anagla flavicollis

Paludicola styralis

In small stream

on shore.

Near Westport Station, Mayo Dist
cont. Rh. & fwc. 16.9.09.

Cyris apertis.

Vitrea cellaria

Helix rotundata

" *remorali*

" *livida*

" *rufescens*

" *itala*

" *subpustulata*

both. labrica

harys

Pupa anglica

" *cylindrica*

Floricola fidentata

Prolea perovna On dead.

Westport continued

Succinea putres

Lin. purpur.

Planorbis

" *spirorbis*

Byth. tentaculata

Sphaeri come

anodonta cyprina

Shore of Lough Mellard, Castletar
 Mayo Dist. NW, E.C., SW, & J.M.M.
 16.9.09.

Agrius laevis
 Arion ater
 Vitrea cellaria
 Helix pygmaea
 " rotundata
 " rufescens
 " hispida
 " rufescens
 " nemoralis
 boch. lubrica
 barych. mini
 Puppa cylindracea
 Vertigo antientis
 " pygmaea
 Succinea Pfeifferi
 Linn. peregr.
 Planorbis albus
 " contorta
 Sphaerium cornu
 Byth. tentaculata

East Shore of Castletar Lough, Mayo Dist
 NW, SW, E.C., & J.M.M. 16.9.09.

Agrius laevis
 Arion ater
 " mini
 Vitrea cellaria
 " nitidula
 " crystallina
 " fulva
 Zon. nitida
 Helix pygmaea
 " rotundata
 " rufescens
 " nitida
 " hispida
 " rufescens
 " nemoralis
 " corporata
 boch. lubrica
 Planorbis pidentata
 Succinea Pfeifferi

Bastetpur Lough continued.

- Vertigo pygmaea*
- " *antivertigo*
- Purpura cylindrica*
- " *anglica*
- Limnaea peregrina*
- " *stagnalis*
- " *auricularis*
- " *truncatula*
- Lymnaea stagnalis*
- Planorbis alpinus*
- " *fontanus*
- " *cristata*
- " *contorta*
- Valvata piscinalis*
- Meritana fluvialis*
- Bythotrephis cederstroemi*
- Sphaerium come*
- Pisidium milium*
- " *paucispinum*

a few extra large

additions to above list for
Shore of Lake Lough
by J.H. & E.S. 11.11.07

Vitreca radiatella

Helix ~~contorta~~

= *pulex*! G.W.S. 1924.
1 specimen in coll. G.W.S.!

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Canal bank at Mullingar, Co. Westmeath.
J.H. & E.S. 11.11.07.

- epio. caesi*
- " *aperta*
- Arion ater*
- " *fuscus*
- Vitreca allaria*
- " *nitida*
- " *crystallina*
- " *fulva*
- Im. nitida*
- Helix rotundata*
- " *rustica*
- " *rupescens*
- " *hispida*
- " *hortensis*
- " *corporea*
- Boch. lubrica*
- Barzob. min.*
- Purpura cylindrica*
- Vertigo antivertigo*
- Lucina*
- Physa fontinalis*

V. lutea. Fine commonly large dead shells.

V. lutea with black animal. see type.

Mullinger continued

- Limnaea peregrina*
- " *stagnalis*
- " *palustris*
- " *truncatula*

Amphipepla glutinosa J.M. Milne.

- Planorbis albus*
- " *carinatus*
- " *vortex*
- " *fontanus*
- " *contortus*

Valvata cristata

Byth. tentaculata

Sph. cornu

Prodidyma

" *foliata*

Progers farm, Rathym. Co. Dubli.

MS. J.M. 17.9.09

Agriolimax agrestis

Milax rosenbergi

Arion hortensis

" *ater* + var *humana*

M. papillosus (R.H.)

Vitrea lucida

Helix aspersa

North of Lough at Mullinger, Co. Dubli.
MS. J.M. 18.9.09.

Agriolimax agrestis
Arion ater

Vitrea pellucida
Vitrea lucida

- Helix aspersa*
- " *referta*
- " *gibbosa*
- " *rigata*
- " *muta*
- " *renardi*
- " *aspersa*
- " *referta*
- " *lucida*
- Helix aspersa*

Helix aspersa

Pupa muscorum

Paludetrina stagnalis

End of Sept. Trip
1909

Chalk quarries between Moira & Mayhead
Co. Down. C.W. & R.L. 7.11.27.

Agrius agrestis

anion ater

" *subfuscus*

" *hortensis*

" *fasciatus*

Vitrea cellaria

Vitrea litorea form.

" *nitidula*

" *crystallina*

Cucumella fulva

Helix pygmaea

" *rotundata*

" *hipida*

" *reflexa*

" *remoralis*

" *aspera*

Boch. tubrica

Planorbis fidistata

Succinea patris

Planorbis

Physa fontinalis

Aphelie cornu

Ground at Moira Station
Co. Down. C.W. & R.L. 7.11.27.

Helix rotundata

Lima - piper

" *auricularis*

Dead in field at 200 yds. road. Mostly
V. ...

Physa fontinalis

Planorbis ...

" *rotundata*

" *alba*

Veloxa ...

Physa ...

Physa - cornu

Anodonta zygnaea

Pisidium ...

Dead with *L. auricularis*

"

"

Banks of Motor Canal S-W of Monaghan

C. Monaghan.

aws, P.S. & F.B.-65. 12-10-09.

Agrius agrestis

" *laevis*

Limax arboreus

" *flavus*

R.V.

Milax jagatus

R.V.

" *sowatzji*

Very dark specimen. R.V.

Arion ater

" *suffusus*

" *hortensis*

" *intermedius*

" *fuscipes*

Vitrea pellucida

Vitrea cellaria

" *nitidula*

" *alliana*

R.V.

" *radiatula*

" *spura*

Rare

" *crystallina*

" *fulva*

Zon. nitida

Monaghan continued

Helix rotundata

" *lipida*

" *reflexum* only seen near the town.

" *reducta*

" *excantaria* ✓ correct! A.D.S. 1924.

" *nevadensis*

" *pygmaea*

Boch. lubrica

Boch. mini

Pupa glandulosa

Blasius bidentata

Vertigo pygmaea

" *antivertigo*

" *substriata*

Spl. edentula - Var. *columnella*? Very fine specimen.

Eucrema Pfeifferi

Limnaea peregrina

" *palustris*

" *stephali*

" *truncatula*

Physa fontinalis

Monopla continued.

- Planorbis carinata
- " albus
- Valvata cristata
- " pinnatis
- Byth. tentaculata
- Sph. cornua
- Pisidium pusillum
- " fossicatum
- " obtusale
- " subtruncata

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 Verified by J.W. Taylor, Jan. 1910 + A.N.S. 424.
 [Probably from Collyer's S. of (east of) Inaghshan!
 In quarry on Squire's Hill, 800ft. alt., Belfast. AN. 6-11-09
 Lim. truncatula, Pisidium casertanum & P. personatum.] 194

Cumalin + shore of Lough Neagh at Linnagrove Bay
 Co. Antrim. AWS + R.W. 26.12.09.

48-75 ft. alt.

- Limox arborea
- " maximus
- Agri. agrestis
- " laevis
- Arion ater
- " subfuscus
- " fasciatus
- " intermedius

- Bythia tentaculata
- Pisidium pusillum

see 11. Page cont.

- Vitrea pellucida Some very fine specimens. Yellowish form.
- Hyalina crystallina
- " nitidula
- " alliana only one spec. found.
- " pura only one spec.
- Zon. nitida one dead spec.
- Lucicola fulva Rare.
- " pulchra 2 spec.
- " reticulata Very rightly fitted shells.
- " leipida
- " renicola Dead only.
- " pulchella one dead in wood on lake shore.
- Coel. lubrica Very dark - slow (some)
- Clavella bidentata [also Clavella pygmaea]
- Balanus fenestratus one dead on lake shore - rejected.
- Puccinia Pfeifferi common up the alder trees along lake shore.
- Limnaea fusca High speed for common in stream.
- " palustris Very found at with L. fusca.
- Planorbis carinata In stream with next species but separate.
- " uniplicata common than the last, all young.
- Valvata cristata Very abundant in stream.

Goll, Mill Clouds. Scotland.

Collected by F. Balfour Brown. 21.8.39

Zon. nictitans

Helicella vitata

Hel. tuberosa

Hel. nemoralis

Limnaea peregrina

Planorbis leucostoma

Some very fine

Valvata pinnata

Buccinum

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22.2.10

Botanical Gardens, Glasnevin. Co. Dublin.

aws. R.A.B. & R.W. 20.2.10.

Agrio. levis? all specimens taken were of the rather dark "purple-slate" colour - a form which has appeared in several hot-houses & nurseries & evidently - foreign.

Limnaea flavescens

Arion hortensis

" *fuscus*

Hyalina lucida Very common in hot (orchid) houses with *Patulastra florida*. Large & flat & evidently a "southern" form introduced.

" *crystallina*

Helicodiscus lineatus. a few (R.A.B.)

Pyramidula rotundata

Patulastra florida? Identified by R. Standa as this species.

Hygromia rufipes

Coch. lubrica

Corychi mini

Blanckia lidentata

Glasnevin continued.

Limnæa pumila Pond.
 " *auricularis* Lily Tank.
 " *stagnalis* " "
 " sp. ? A small species living on the outside of the pots in the Calm House, which is perhaps a foreign form of *L. truncatula*.

Physa

Valvata cristata Pond.
 " *prasinata* " "
Byth. tentaculata "
Planorbis mobilis "
 " *fontana* "
 " *glabra* Taken by P. A. Phillip in small stream next pond in 1909.

=====
 Carrigrohilly
 River in Carrigrohilly, Carrig Hill
 Co. Antrim. alt. AWS. 5.3.10.

Amphylæa flaviventris. When road crosses stream by ford.

Chalk Quarries on Carrig Hill, Co. Antrim.
alt. AWS. 5-3-10.

Agriol. argent.
Limnæa manum Very young spec.
Ammonia ater
 " *subfusca*
 " *parvicornis*
Hyalina cellaria V. *litorea*, Kennard.
 " *albicoma* D.
 " *nitidula*
 " *pura* Very fine specimen.
 " *crystallina*
 " *fulva*
Helix rotundata
 " *aculeata*
 " *rennaldi*
 " *lipida*
Coch. lubrica
Pupa cylindrica
Planorbis bidentata
Era obscura
Baruchia minima

Collected by roadside from Larne to Sallagh Brae
along old road. Co. Antrim.

a.w.s. + R.W. 13.3.10.

alt.

- Agris. agrestis*
- arion ater*
- " *suffusus*
- " *hortensis*
- " *foveolatus*
- Limos. arborum*
- Vitrea pallucida*
- Hyalina cellaria*
- " *nitidula*
- " *para*
- " *crystallina*
- Helix pygmaea*
- " *rotundata*
- " *hispidula*
- " *palustris*
- " *nummulari*
- " *asperna*
- Col. lubrica*
- Carychi min.*
- Purpa cylindrica*

- Planorbis pidentata*
- Balea pumila*
- Limnaea puzosii*
- Pisidium*

Lough Shee, Sallagh Brae, Co. Antrim
alt. 1100 ft. Basalt + Peat.

a.w.s. 13.3.10.

- Agris. agrestis*
- arion suffusus*
- Hyalina radiatula*
- Limnaea puzosii* a very large + acuminate form. Many dead shells seen.
- " *palustris*
- Pisidium ~~parvum~~ pusillum*
- " *subtruncatum*
- " *nitidum*

} Identified by B.B. Woodward.

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N.B. No shells seen in smaller lake. a.w.s.

Sallagh Brass, Co. Antrim
alt. 500-600 ft. Basalt over chalk.
A.W.S. + R.W. 13.3.10.

- Agriol. agrestis.*
- Arion ater*
- " *subpurpureus*
- " *intermedius*
- " *fasciatus*
- Vitrea pallucida*
- Hyalina crystallina*
- " *collaris*
- " *albicans* Var.
- " *nitidula*
- " *radiata* Type + var.
- " *para* " " "
- " *fulva*
- Helix rotundata*
- " *subpurpurea*
- " *hipida*
- " *fulva*
- " *lamellata* (R.W.)
- " *remorali*

on chalk cliff near southern end of
the amphitheatre.

- Pupa cylindrica*
- Coch. lubrica*
- Clavicornis pidentata*
- Sphyrad. edentata*
- Limacina*
- Pisidium parvum*

Succinea Pfeifferi on young spec. near source of Larn Water Supply.

Collected in moss near Longford by S. M. Cameron
per. Rev. H. Foster. 4.3.10.

- Vitrea pallucida.*
- Hyalina crystallina.*
- Helix rotundata.*
- " *pulexella.*

Near Carronney, Co. Antrim. alt.
aut. 12.3.10.

- Ariem ater* Young
- " *suffusum*
- " *fasciatus*
- Agris. agraria*
- Vitruia pellucida*
- Hyalina nitidula*
- " *pura*.
- " *crystallina*.
- Helix rotundata*

Associated on bank facing S.E.
with Ivy, Wood Sorrel, Bramble
Rose & Thorn.

also.

- Pupa cylindrica*
- Helix nemoralis* dead.

Small glen above Hillhall glen, near Drumto.
Co Down. alt. aut. 20.3.10

Near ruined tower.

- Agris. agraria*
- Ariem suffusum*
- Vitruia pellucida*
- Hyalina pura*
- " *cellaria*
- Helix rotundata*
- " *hirpida*
- Pupa cylindrica*

In woody glen.

- Agris. agraria*
- Ariem fasciatus*
- Hyalina pura*
- " *crystallina*

" *fabra*.

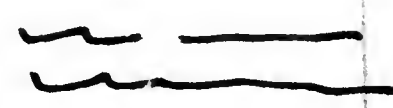
- Helix hirpida*
- " *rotundata*

- Sphegodes edentula*.
- Clausilia fidentata*.
- Pupa anglica*.
- " *cylindrica*

Easter Trip 1910.

In Canal at Broadstone Station. Co. Dublin.
A.W.S. + F.B.B. 23.3.10.

- Limnaea purpur*
- Physa fontinalis*
- Planorbis carinatus*
- Bythinia leachii*
- " *tentaculata*.
- Sphaerium conum*



River at Robinstown, near Mullingar
Co. Westmeath. alt. A.W.S. 23.3.10

- agris agrestis*
- anion ater*
- " *subpurum*
- Hyalina nitidula* ♂
- Helix aspersa* ♂
- " *hirpida*
- " *refusa*
- Pupa cybidinae*
- Coch. lubrica* ♂

- Meristina flavicollis* ♂
- anyle flavicollis* ♂
- Planorbis annulus* ♂
- " *199*
- Sphaerium conum*

McCree's Lough (near Lough Drin)
Mullingar, Co. Westmeath. alt.

A.W.S. 23.3.10.

- agris agrestis*
- Anion ater*
- " *subpurum*
- Hyalina nitidula*
- " *fulva*
- Helix hirpida*
- " *rotundata*

- Succinea Pfeifferi*
- Planorbis contortus*
- Valvata cristata*
- Sphaerium conum*
- Planorbis*

Royal Canal near Station, Mullingar, Co. Westmeath.
alt. F. Balfour Brown. 23.3.10.

- Limnaea palustris*
- " *stagnalis*
- amphi-gibbosa*
- Physa fontinalis*
- Planorbis rotax*
- " *carinatus*
- " *contortus*
- Bythinia tentaculata*
- Sph. conum*

Marsh near Mullingar
Co. Westmeath. alt.

alt. 23.3.10.

- In ^{min.} ~~at~~ ^{at} ~~at~~
- Agrius apertus*
- Limox arborum*
- Arion ater*
- " *suffusus*
- Hyalina cellaria*
- " *nitidula*
- Helix retundata*
- " *hispidula*
- " *hortensis*
- " *neonatalis*
- " *asperna*
- Coch. lubrica*
- Purpura cylindrica*

In marsh + drain

- Agrius apertus*
- Hyalina radiatula*
- Helix hispidula*
- " *asperna*
- Coch. lubrica*

- Limnaea purpurea*
- " *stagnalis*
- " *palustris*
- Physa fontinalis*
- Planorbis carinata*
- " *umbilicata*
- " *contorta*
- Bythinia tentaculata*
- Ceriod*

199A

In old wood near Lough Dera
alt. Co. Westmeath. alt. 23.3.10

- Limox arborum*
- Agrius apertus*
- Arion ater*
- " *suffusus*
- " *hortensis*
- " *fontinalis*
- Helix neonatalis*

- Hyalina nitidula*
- " *purpurea*
- " *radiatula*
- " *fulva*
- Coch. lubrica*
- Lim. palustris*

Lough Derr near Mullingar
Co Westmeath. alt. Aug. 23-3-10

- Limnaea pumila*
- " *palustris*
- " *stagnalis*
- Amph. glutinosa*
- Valvata cristata*
- " *piscinalis*
- Succinea pfeifferi*
- Planorbis contorta*
- Bythinia tentaculata*
- Sphaerium cornu*
- Pisidium globosum?*

In drains.

Mostly dead shells

This shell was first discovered here by
D. Scharff & described by ~~Woodward~~^{Bythinia}
as his *P. globosum* (Clerin) 18

See I.N. Vol. I.

B.B. Woodward, June 1910, says that Scharff's
specimens are *P. personatum* but that mine
are young *P. liljeboyi*.

" *pusillum* Identified by B.B. W.

CLARE ISLAND SURVEY⁸¹

3rd VISIT.

Between Westport + Killoeجان Carb. Limestone. alt. West Mayo
Aug. 24-3-10.

- Agrion agreste*
- Anis ather*
- " *intermedium*
- " *hortense*
- " *fasciata*
- Vitrea pellucida* ♂
- Hyalina cellaria*
- " *albicans*
- " *nitidula*
- " *radiata*
- "
- " *falsa*
- Helix rupestris*
- " *rotundata*
- " *hispidula*
- " *reflexa*
- " *remota*
- " *aspera*
- " *cooperata*
- " *itala*

Near Bath Hotel, Westport Quay.

Westport continued.

Boch. lubrica
Clausilia bidentata
Bolca puvana
Pupa cylindrica

old Church & grave yard
 brook Patrick metamorphic area. alt.
 awl. 24.3.10.

Apis. apertus.

Shells in box labelled

"Graveyard Westport 24.3.10" were as follows:

Helix nemoralis

Lutea 00300 (one) and *Lutea* 12345 (one).

Hygromia strobilata

16 specs.

Helicella itala

Two.

H. caeperata

One.

Oxychilus cellarius

One dead and broken shell.

Retinella nitidula

One.

Lauria cylindracea

Two.

Acanthinula aculeata

One.

Clausilia bidentata

Two.

(Above entry made by N.F. McMillan Dec. 23rd. 1960).

Killadangan Marsh near Murrisk

alt. awl. 24.3.10

Quarry - limestone at Murrisk. W. Mayo.
 alt. awl. 24.3.10.

Arion ater
Milax gagates
Hyalina cellaria
Limonium purpur

Wood at Old Head, West Mayo
alt. 25-100 ft. aut. 24-27. 3.10.

Limonax macrinus

" *arborum*

Agria aperta

Anisus ater

" *subpressus*

" *hortensis*

" *fasciatus*

Litana pallucida

Hyalina cellaria

" *nitidula*

" *pura*

" *radialis*

" *fulva*

" *crystallina*

Helix rotundata

" *hispida*

" *lamellata*

" *nemorali*

Coch. lubrica

Carychium

Pupa anglica

" *cylindrica*

Sph. edentula

Vertigo antenata

Clavella bidentata

Bolea perovna

Succinea putri

Under stones (dead) at base of wall in
marsh above harbour.

Glenkeen Bridge above Loughborough, West Mayo
alt 200 ft. AWS. 25.3.10.

- agris. agrestis
- " laevis
- arion ater
- " rufipes
- Hyalina crystallina
- " pura
- " radiata
- Pupa cylindracea

River Owenmea at
head of Shulough Pass.

Muirlea Mountain above Glencullen
West Mayo. AWS. 25.3.10

Siberian Area.

arion ater. alt. 450.

agris. agrestis

Pupa anglica 600.

Limnaea palustris 850 to 1125.

Pisidium ~~palustris~~

" persimatum
H.B.B.U.

Anagrus flaviventris

Up to about 450 ft. alt. Small.

Also Hyalina alluvialis
radiatella
crystallina (205) ^{part} _{left}

(204)

= Sphaerium P. ^{persimatum} B.B.U.

In "Horseshoe Lough" not
marked on 1" ord. map.

Glencullen Lough. West Mayo.
alt. AWS. 25.3.10.

Limnaea peregrina. of a lacustrine form + dark brown colour.

Sand dune at Loughborough, West Mayo.
alt. 0-50 ft. AWS. 25.3.10.

agris. agrestis

Milax fagata

arion ater

" fuscus

Hyalina cellaria

" crystallina

" fulva

Helix retundata

" renvohi

" aspersa

" itala

" cuperata

Pupa cylindracea

Chironomus tentans

Coch. lubrica

Vertigo pygmaea

Limnaea peregrina. F.B.B.

in drain.

Dooaghty Sand dune + Lake, West Mayo.
alt. 0-75 ft. alt. 26-3-10.

- Lima* *arborescens*. Very like a young *L. maximus*.
- Apis* *apertus*.
- " *laevis*.
- Arion* *ate*
- " *suffusus*
- " *intermedius*
- " *fuscus*
- Milax* *gagates*
- Vitrea* *pellucida*
- Hyalina* *albicincta*
- " *nitidula*
- " *radiatula*
- " *pura*.
- " *crystallina*
- " *fulva*.
- Zon.* *nitida*
- Helix* *pygmaea*
- " *rotundata*
- " *pulexella*.
- " *itala*
- " *aculeata*

- Helix* *renovata*
- " *aspera*.
- Coch.* *lubrica*.
- Carych.* *mini*
- Sph.* *edentata*
- Pupa* *anglica*
- " *cylindracea*
- Vertigo* *pygmaea*
- " *antivertigo*
- " *substriata*
- " *angustior*
- Physa* *fontinalis*
- Aplousia* *hypnorum*
- Limnaea* *pygmaea*
- " *palustris*
- " *auriculata*
- " *truncatula*
- Succinea* *pygmaea*
- " *oblonga*.
- Planorbis* *crista*
- " *altus*

Var. *acuta*. Dead

206A
collected by D. B. B.
at Dooaghty
26-3-10

206

- Pisidium* *subtruncat.*
- " *casertanum*.
- " *obtusum*.
- " *garricium*.
- " *peruviana*.

D. B. B. Woodward.
all in marsh bed around
Dooaghty Lake.

Croagh Patrick, West Mayo.
Quartzite. alt. 27.3.10.

- Limax arboreus*
- Agriol. apertus*
- Limax rufus*
- Limax intermedius*
- Hyalina crystallina*
- Helix rotundata*
- Helix hispida*
- Helix nemoralis*
- Clavaria identata*
- Agryl. fluctuata*
- Sph. edentulum*
- Agryl. fluctuata*
- Agriol. caesi.*
- Limax arboreus*
- Limax ater*
- Hyalina crystallina*

alt. 100 ft. just off limestone area.

B. Route followed when ascending mountain via by stream west of Murrisk straight up Lugnademon onto ridge & thence by path to summit & returning by path past small lake with no shells in it.

Limax perya
Pisid. pumila
14.5.10. W.
(207)

alt. 450 ft.

alt 550 ft.

alt 600 ft.

alt 1000 ft.

x Pilgrims Way.

Croagh Patrick continued.

Limax intermedius alt. 1525 ft.

Limax arboreus alt 1540 ft.

In wet weather this species would be common as its tracks were numerous, but the dry weather & cold wind had driven nearly all the species into the ground. Those seen were of the mountain from some very dark brown & other nearly black. From this alt (1540 ft.) right up to the Oratory at the summit 2510 ft. alt. I continued to get odd specimens & saw many tracks under the stones which I turned over.

From Bog near Louisburgh, W Mayo.

Zon. excavata type F. Balguy source, 28-3-10.

- Limax perya*
- Helix palustris*
- Pis. caeruleum*

(207)

Barrishool Abbey, Newport, West Mayo.
Carboniferous Limestone str. alt. 0. 25.
col. 28. 3. 10.

- 1 *Limosina* *maxima*.
- 2 *Agriolima* *apertum*.
- 3 " *laevius*.
- 4 *Arion* *ater*
- 5 " *subfuscum*
- 6 " *intermedium*
- 7 " *farciatum*
- 8 *Vitrina* *pellucida*
- 9 *Hydrobia* *cellaria*
- 10 " *alluvina*
- 11 " *nitidula*
- 12 " *radiata*
- 13 " *pura*.
- 14 " *fulva*.
- 15 *Zon.* *nitida*
- 16 *Helix* *rotundata*
- 17 " *repens?*
- 18 " *hiopida*
- 19 " *rufescens*
- 20 " *neurobi*
- 21 " *asperna*.

Some very small dead spec. in the Abbey.

- bock.* *Lubrica*
- Carychium* *mini*
- Clausilia* *bidentata*
- Puzosia* *cylindrica*
- Sph.* *edentata*
- Vertigo* *antivertigo*
- " *substriata*
- " *pygmaea*.

a form rather like those from Dooey Bay
Irishmaedora + Aran Is.

In marshy lake + drains south of Abbey on main road.

- Limonium* *purpur*
- " *palustre*
- " *truncatula*
- Planorbis* *costata*
- Pisidium* ~~*parvum*~~

- " *casertanum* Yea. B. B. Woodward
- " *peruviana* Id. B. G. H.

208

Lough Nakeeroe (East), Achill Island
West Mayo. alt. 0-25 ft. Aust. 27.3.10.

Agris. apertis

" *laevis* ?

Nearly white specimen. ? *laevis* ?

Anis. ater

Hyalinia nitidula

All var. *helmi*. at base of northern cliff
below lough.

" *alliana* ✓

One dead shell. Var. *nitidula*

"

Helix rotundata

" *nemoralis*

♂

" *fusca*.

at 600ft. alt. S.E. of lough.

Pupa cylindrica

Clausilia bidentata

Limnaea peregrina - *lacustris*. a form between ordinary *L. lacustris*
+ the *L. involuta* group.

Anagla fluviatilis

a large, very fragile + strongly striate
form. Very abundant.

Pisidium caesatum

ld. B.B.W. *lacustris* form.

" *otusale*

(211)

N.B. a peculiar *Heath* form on the cliffs when the lake over-
flows. R.L. Breezy says it is not *Erica mackayii*, but I
do not believe it is *E. tetralix*.

Sranamanagh Bridge, Owen near Ballycrov
West Mayo. alt. 25-50ft. Aust. 30.3.10.

Agris. apertis

Anis. subpiceum

" *hortensis*

Pupa cylindrica

Limnaea peregrina

A very interesting *lacustris* form
living in the rapidly flowing river.
It is a beautiful dark rich brown colour
+ is coarsely striate.

Anagla fluviatilis

barrow near Lough near Bangor, West Mayo.
alt. 50-100ft. Aust. 30.3.10.

Agris. apertis

" *laevis*

Zon. nitida

♂

Limnaea peregrina

lacustris. a most beautifully striate
little form. Rich brown colour.

" *palustris*

Physa fontinalis

a very small form.

N.B. all collected at
the outlet of the lake.

Pisidium caesatum

ld. B.B.W. Woodward.

" *otusale*

" *nitida*

(212)

Boggy drain by roadside near Carramore Lough.
West Mayo. alt. 50-100 ft. AWS. 30.3.10

- Limnæa puzosii*. An extremely small caustic form. One spec. only.
- Pisidium parvum* Id. B. B. W.
- " *subtruncat* " " " " (213)

Drain by roadside at Seariew, Belmullet (North)
West Mayo. alt. 0-25. AWS. 30.3.10

- Limnæa puzosii*.
- " *palustris*
- Apleta hypnorum*
- Pisidium persense* In drain near L. Cross. Id. B. B. W. (214)

Sand dunes near Lough Cross, Belmullet (North)
alt. 25-50. AWS. 30.3.10.

- Helix aspersa* D.
- " *nemoralis* D. Mostly var. *citrinogemata*
- " *italica*
- " *cooperata*
- " *acuta*
- Limnæa puzosii - tonoyi*

Belmullet (North), West Mayo. alt. 25-50 ft.
Precambrian covered with peat & sand. AWS. 31.3.10

- Agrion agestis*
- " *laeni* Shore of Lough Seam.
- Aurora ater*
- " *subfusca*
- Vitrea pellucida*
- Hyalina alliana* Very abundant everywhere, especially in old
grass yard north of L. Cross. (Cross Abbey).
- " *radiatula* Shore of Lough Seam.
- " *crystallina*
- " *fulva*
- Helix costata* Cross Abbey. Common at roots of bent.
- " *italica*
- " *cooperata*. A small headed form like S.E. of England chalk hill form
- " *acuta*
- " *nemoralis*. In Cross Abbey almost all one var. *citrinogemata*.
- " *aspersa*
- " *pygmaea*
- Coch. lubrica*
- Carych. mini*
- Purp. cyathodes*
- Succinea Pfeifferi*

Belmullet (South) continued.

Aplecta hypnorum Drain S.W. (one mile) of Bingle Castle.

Limnaea purpurascens
palustris In lake in sand dunes 1 1/2 miles S.W. of Bingle Castle.

Planorbis cristata
spirorbis - *leucostoma* } Both in drains with *A. hypnorum* + *P. milium*.

Pisidium milium In drain with *P. spirorbis* & *A. hypnorum*
Yn. B. B. W.

Obsoletus Id. B. B. Woodward.

216

Glencastle 4 miles east of Belmullet on road to Bangor. West Map. alt. a.s.l. 1.4.10.

Wooded glen. Hazel, Birch +:

- Limnaea arborea*
- Aegina agrestis*
- Arion ater*
- sabulosus*
- intermedius*
- fasciatus*
- Vitrina pellucida*

Glencastle continued.

Hyalina crystallina
nitidula. Extraordinarily abundant - ~~at Bangor~~.

purpurea
Helix nemoralis
retundata

Coch. lubrica
Cyprina minima
Pupa cylindrica
Clausilia pidiata
Balea perversa

South Achill. Baney's Pt to Sooga. West Map. alt. 2.4.10.

Aegina agrestis
Arion ater
Hyalina cellaria all var. albida. at Kildabnet.
alliana Yn. nitidula.
purpurea

Helix retundata
hispidula Kildabnet.
arvensis "

Coch. lubrica
Cyprina minima?
Pupa cylindrica
Limnaea purpurascens
palustris?
tumescens
Pisidium pumilum
Id. B. B. W.

217

Achill (West) + Croaghanna, Mayo West.
aws. 3.4.10.

Lough Acrymore. alt.

(218)

Psidium caeruleum Three spec. same taken here in Sept. 1909.
(taken from 14. B. B. W.)

Lough Corryntang. alt.
Nil.

Lough Bannapera West. alt. 1100.
Nil.

Lough Nakeroze (West) alt.

Lough Bannapera East
Nil.

Furlough between Lough Bannapera East + Nakeroze (West).

(219)

Psidium caeruleum Common in semi-dried up pools.
(taken from 14. B. B. W.)

Cliff north of Croaghanna, Achill Island (West)
West Mayo. alt 1100 ft. aws. 3.4.10.

Hyalina nitidula
Helix rotundata

} among *Luzula* + *Scirpus umbrosa*.

NS.

This spot looks good for collecting + will
repay further work. Tracks of
slugs - probably *Limax* - were
seen. Much too early for to
expect good results. Would pay
well in May, June or Sept.

END OF THIRD SURVEY
For CLARE ISLAND REPORT.

Near Athlone. Co. Roscommon.

Drain west of town. alt. 4.4.10

- Agriol. agrestis*
- Ariol. fasciata*
- Zon. nitida*
- Helix rufescens* ♂
- " *rugata* ♂
- " *acuta* ♂
- Coch. lubrica* ♂
- Limonax pumila*
- " *palustris*
- " *stagnalis*
- " *truncatula*
- Phya fontinalis*
- Planorbis cornuta*
- " *umbilicata*
- " *contorta*
- Vabrata cristata*
- " *princialis* ♂
- Byth. tentaculata*
- Sphaer. cornu*

pp. 108-110 + 114-116
 for the 1910
 part

No *Prisidica* seen

Tang Bridge, Co Longford.

alt. 5.4.10.

Carboniferous limestone

NB. Tang Riv. is the
 boundary between
 Co. Westmeath &
 Longford.

- Agriol. agrestis*
- Ariol. ater*
- Vitrina pellucida*
- Hyalina cellaria* - *Libernica*
- " *nitidula*
- Zon. nitida*
- Helix rufescens*
- " *rufescens*
- " *limpida*
- " *rotundata*
- " *itala*
- " *venusta*
- " *asperna*
- Coch. lubrica*
- Purpura cylindrica*
- Clavus fiducialis*
- Fuccina putri*

(220)

Very fine + common at base of wall on
 east side of road. Far away from any
 permanent water.

Shauls Bridge, Inny River, Co. Longford.
alt. aut. 5.4.10.

Castaniferum Linestrac.

- Eucosma fulvum.*
- Agrio. laevi.*
- Helix rotundata*
- " *hispidata*
- " *rufescens*
- " *capitata* ♂
- " *pulexella - excentrica.*
- Coch. lubrica.*
- Carychi minis*
- Purpa cylindrica*
- Clavichia bidentata*
- Succinea patini.*
- " *psiffii.*
- Limnaea peregra*
- " *palustris.*
- " *truncatula.*

Carthorse Marsh west of Ballymahon.
alt. 5.4.10. Co. Longford.

- Valvata pinnata.*
- Sphaerium corneum.*

- Agrio. apertis*
- Hyalina nitidula*
- Helix rufescens*
- " *hispidata.*
- " *aspera.*
- Limnaea peregra*
- " *palustris.*

Saints Island, Lough Ree, Co. Longford.
alt. aut. 5.4.10.

- Agrio. apertis*
- Agrio. hortensii*
- Hyalina cellaria.*

- Helix rufescens*
- " *rotundata*
- " *hispidata*
- " *rufescens.*
- " *virgata* ♂
- " *italica*
- " *venosa.*

- " *aspera.*
- Coch. lubrica*
- Clavichia bidentata*
- Succinea psiffii*
- Limnaea peregra*
- " *palustris*
- " *truncatula*

- Physa fontinalis*
- Planorbis carinata* ♂
- " *unifilicosta*

- Valvata cristata*
- Byth. tentaculata*
- Sph. corneum.* ♂
- (221) *Pisidium pusillum*

Royal Canal at Baker's Bridge,
near Ballynashon, Co. Longford.

alt.

Carboniferous Limestone. awl. 5.4.10.

- Agrio. apertus*.
- Hyalina pura*.
- " *crystallina*
- Helix rotundata*
- " *hispidata*
- " *nemorali*
- Coch. lubrica*.
- Clavella fidentata*
- Purpa cylindrica*
- Succinea Pfeifferi*
- Amphi. platensis*
- Limnaea puzos*
- " *stagnalis*
- " *palustris*
- " *truncatula*
- Physa fontinalis*
- Planorbis cuneata*
- " *contorta*
- " *rotata*
- Neovitia floridula*

Also dead *Planorbis alba*
of the fontinalis canal
sampled / mixed

Very abundant on stone-work of Canal Bridge

In drain.

- Valvata cristata*
- " *piscinalis*, Greenock
- Byth. tentaculata*
- Sphaerium comeum*
- Pisidium amnicum*
- " *melano*
- " *palustris*

222

Shore of Lough Ree near Glassan
Co. Westmeath.

alt. 130ft. Carboniferous Limestone.
awl. 5.4.10.

- Agrio. apertus*
- Ami. fasciata*
- Helix pulchella - eccentrica*
- " *hispidata*
- " *rupertina*
- " *nemorali*
- Clavella fidentata*.

=====

114
 Athlone to Kiltoom, Co. Rosecommon
 Carabiferous limestone. alt. 6-4-10
 1. Ruined cottages 2 1/2-3 miles from Athlone.
 Drain - fields + ° alt.
 2. Stream + drains near shore of L. Ree
 at "Mushroom Stone". alt. 130 ft.
 3. Woods + ° south of Kiltoom by
 roadside. alt.

Agrio. agrestis 1. 2. 3.
 " *laevis* 2.
Leios. arborum 3.
 " *flavus* 3.
 " *maximus* 3.
Arion ater 1. 2. 3.
 " *intermedius* 3.
 " *hateus* 2.
 " *fasciatus* 1. 3.
Vitrea pallucida 2.
Hyalina cillaria 1. 3. = *Hyalina liternica*, A.S.K.
 " *nitidula* 1. 3.
 " *crystallina* 1. 2. 3.
 " *fulva* 1.

115
Helix rotundata 1. 2. 3.
 " *rustica* 1. 3.
 " *pulexella-excentrica* 1.
 " *hirpida* 2. 3.
 " *rufescens* 1. 3.
 " *nemoralis* 1. 2. 3.
 " *aspera* 1. 2. 3.
 " *italica* 1. 3.
 " *capitata* 1.
 " *virgata* 1.
 " *acuta* 1.
Coch. lubrica 1. 2. 3.
Carych. min. 2.
Pupa cylindrica 1. 2. 3.
Clausilia bidentata 1. 3.
Sph. edentulum 3.
Succinea Pfeifferi 2.
Limnaea puzos 1. 2.
 " *palustris* 1. 2.
 " *truncatula* 2.
 " *stagnalis* 2.
Amegh. flavistibi In river under main road near 2.

Athlone to Kiltorm contained
Co. Roscommon.

- Physa fontinalis* 1.2.
- Aplexa hypnum* 2.
- Planorbis cristata* 1.2
- " *umbilicata* 1.2.
- " *contorta* 1.
- " *rotata* 2.
- Valvata cristata* 1.2.
- " *pirinalis* 2.
- Byth. tentaculata* 1.2.
- Sph. cornu* 2.
- Pisidium milii* 2.
- " *purill* 1.2.
- "

Under railway in stream.

(223) *Planorbis*
 (224) *Planorbis*
 - collected by J. J. ...
 ...

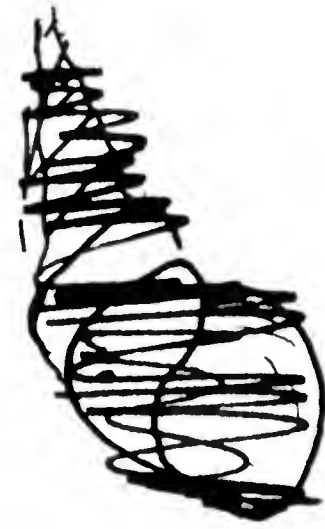
END OF EASTER TRIP
1910.

Magherafelt District, Co. Derry
Apr. 16. 4. 10.
Mill dam, 1 mile S.E. of Magherafelt.
On Basalt Area.

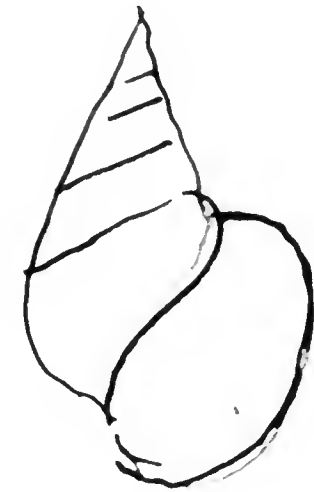
- Limnaea stagnalis*
- Aplexa agrestis*
- " *laevis*
- Anisus ater*
- " *subpurpur*
- " *intermedia*
- " *foveolata*
- Vitrina pellucida*
- Hyalina nitidula*
- " *pura*
- " *radiatula*
- " *crystallina*
- Helix retusata*
- " *hispidula*
- " *remouli*
- Cochlicopa lubrica*
- Carychium*
- Clavilix fidistata*

Mayhewfelt continued.

- Purpura angulata*
- " *cylindracea*
- Vertigo subtriacata*
- Limnaea stagnalis*
- " *peregrina*
- " *palustris*
- Planorbis albus*
- " *spirochis* = *Leucostoma*. Very large.
- Valvata pinnatis*
- Sph. cornu*
- Bufo*



a beautiful small leucostoma form



= *Leucostoma*. Very large.

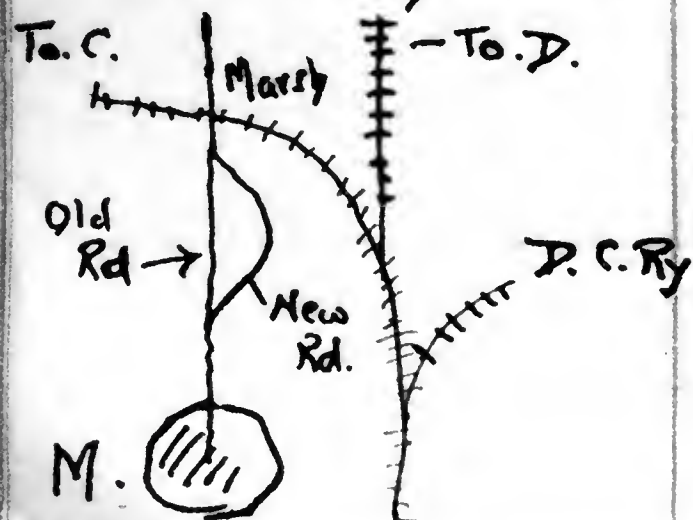
(225)

Marsh near Mayhew Junction.
on Cent. limestone Area.

- Limnaea peregrina*
- " *palustris*
- Aplousia hypnum*
- Planorbis spirochis* = *Leucostoma*. The largest specimen I have

ever taken but very Rare.

On right hand just after crossing the railway 1 mile W. of Mayhewfelt.



In ruin of cottage 1/2 mile W. of Mayhewfelt.
Barrett area. 16.4.10.

- Agriol. apertus*
- Arion ater*
- " *suffusus*
- " *fuscus*
- " *hortensis*
- Hyalina crystallina*
- Helix reticulata*
- " *livida*
- " *aspera* Dead.
- Clavella fidentata*
- Purpura cylindracea*

Peuten's Glen near Mafkapfett.
Co. Derry. Cut through trees.
16.4.10.

- Agrio. apertus
- Limox arborea
- Arim ater
- " subpiceus
- " fasciatus
- " hortensis
- Hyalina nitidula
- " pura
- " crystallina
- " fulva
- Zon. excavatus

Two spec. of the var. nitidula.
The most easterly record in Ulster. So far.

- Helix pygmaea
- " lamellata
- " retardata
- Coch. lubrica
- Carychium minus
- Pupa anglica
- " glabrata
- Balea perrona
- Clavicornis fidentata

Vertigo substriata
Sph. edentata

Similar Glen further south.
also in trees at foot of St. Gallien.

- Limox arborea
- Agrio. apertus
- " laevis
- Arim ater
- " subpiceus
- " fasciatus
- " hortensis
- Hyalina allionia
- " nitidula
- " pura
- " radiatula
- " crystallina
- Helix nemoralis
- Coch. lubrica

Usual thin woodland form.

Both glens would
well repay further
work. ^{AWB.}

Neill's Mill Cooler, College Street, Belfast
Co. Antrim. AWS & F.B.B. 18.4.10

Temp. of water 70° Fahr.

Limnaea pereger Very abundant. a thin high spired form.
also *Limnaea flavum* & *Hyp. cellaria* -
yard.

Ewart's Mill Cooler, Cumber Rd. Belfast
Co. Antrim. AWS, R.W. & F.B.B. 21.4.10.

Pond with water at 73-75° Fahr.

Limnaea pereger
" *truncatula*
Aplousia hyporum
Pleurobema spirocha
Pisidium

a few from

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Pond with water at 93° Fahr.

Limnaea pereger
Pleurobema spirocha
Pisidium

227

Ewart's Mill continued
In yard round ponds.

Agrion agreste
Agrion pumilum
" *kostleri*
Hyalina cellaria
" *radiatula*
" *crystallina*
" *fulva*.

Helix stans
Pupa cylindrica
Limnaea truncatula

Highfield Mill Dam, Raf St. Belfast.
AWS, R.W. & F.B.B. 21.4.10 Co. Antrim.

Water 75° Fahr.

Limnaea pereger
Pleurobema glabra
" *crusta*
Pisidium subtruncatum

One shell curiously malformed. N.F. McMillan
Rare.

In million. Never seen here before. also - field
dun near
y.

228

P. pusillum and *P. subtruncatum*
both side Skelfox *Piscidium* Catalogue.
N.F. McMillan Aug. 1962.

Water 89° Fahr

nothing alive on this occasion.

Nil.

Logan Canal, Drum Bridge to
Ballyskeagh Viaduct, Co. Down
Aug. 30. 4. 10.

In field opposite Drum House. Co. Down.

- Arim* *sulphur* + *a. ater*
- Coch. lubrica*
- Hyalina fulva*
- Helix rotundata*
- " *lipida*
- Carychium*
- Succinea* sp.? Young. Probably *S. patris*.
- Planorbis* *crusta*
- " sp.? Probably a contracted *P. carinata*.
- Limnaea peregra*. Small form of *L. orata* Drap.
- " *palustris*.

Canal + Canal Bank.

- Agrion* *agresti*
- Arim* *ater*
- " *sulphur*
- " *fulvata*
- " *intermedia*
- Hyalina fulva*.

- Helix rotundata*
- " *lipida*
- Coch. lubrica*
- Carychium*
- Succinea Pfeifferi*
- Physa fontinalis*
- Anagis fluvialis* Dead.
- Aerolosa lacustris* Very abundant in *Potamogeton* sp.?
- Limnaea peregra*
- " *palustris*
- " *stagnalis*
- Planorbis carinata*
- " *fontana* In pond near mill 1/2 mile below Viaduct.
- Byth. tentaculata*
- Valvata piscinalis*
- Aphae* *cornu*
- " *lacustris* Very common but all young.
- Pisidium nobile*
- " *subrotundum*
- " *pusillum*

(229)

Killylea to Bentruff, Co. Armagh
 Carboniferous limestone
 aut. 16.5.10

Limnaea arbona

Agriolimax agrestis

Arion ater

" *sulphureus*

" *intermedius*

" *hortensis*

" *farinosa*

Littorina pellucida Several young alive.

Hyalina cellaria

" *alliaris* In wood near Bentruff.

" *nitidula*

" *pura*

" *crystallina*

" *fulva*

Zon. nitida By canal near Bentruff.

Helix rotundata

" *liripida*

" *aspera* Dead.

" *remorata*

Coch. lubrica

Clavella fidentata

Purpura anglica. In wood near Bentruff.

" *cylandracea*.

In Canal near Bentruff.

Limnaea palustris

" *stephali*

Physa fontinalis

Planorbis albus

" *carinata*

Byth. tentaculata

Sphaer. cornu

Pisidium

In field drain near Canal at Bentruff.

Limnaea purpur

Bythium tentac.

Sphaer. cornu

Valvata cristata.

Benturb to Clonfeacle.

Co. Tyrone, Aug 16.5.10

Carboniferous Limestone + Trin

By old road from B. to C.

Limax flavus Near Clonfeacle at base of wall close to bridge over Riv. Blackwater.

Arion ater

" *subfuscus*

" *fasciatus*

Hyalina cellaria

Helix hispida

" *rotundata*

Clavilix fidetata

Physa fontinalis In field drain.

Makee Island, Strangford Lough, Co. Down.

Aug. 20-5-10.

Limax arborum.

Agriolimax agrestis.

Arion ater.

" *subfuscus*.

" *intermedius*.

Vitrina pellucida dead.

Hyalina albiarica Common, + fine specimen.

" *nitidula*.

" *crystallina*.

Helix rotundata.

" *hispida*.

" *remoulii*.

" *lortetii*.

A rather peculiar form. Small + altogether an interesting form. In several places round about the Round Tower all yellow, 00000, + two dead type, 12345, near shore S.E. of same. Shells examined. First found here by J. N. Milne. See I.N. vol. p.

Boeck. lubrica

Clavilix fidetata

Physa cylindrica

Reagh Island, Strangford Lough, Co. Down.
A.W.S. 20-5-10.

Agrio. agrestis
Arion ater
Helix retundata.

" *aspera*.

" *hortensis*.

Opposite Cross Island

One specimen of type, 12345, at north end
of wall round plantation, which stretches
along the eastern side of the island.
Dart examined.

Clavus fidetata

Paladestrua

stagnalis.

In pools on the isthmus connecting Reagh
& Cross Islands.

Cross Island, Co. Down. A.W.S. 20-5-10.

Arion ater

Pupa cylindrica

Cochleospa lubrica

Clavus fidetata

Left bank of the River Bann from Coleraine
to Carrerock, Co. Derry. A.W.S. 21-5-10.

Agrio. agrestis.

Limax maximus Var. *zybratica* in plantation above Railway.

Arion ater

" *subfuscus*

" *intermedius*

" *hortensis*.

" *fuscus*.

Vitrina pellucida

Hyalina cellaria

" *nitidula*

" *crystallina*

" *radiatula*

Helix retundata

" *lispida*

" *remouli*

Coch. lubrica.

Carychium minimum

Sph. edentulum

Clavus fidetata

Acicula lineata

One dead on seaward face of Ry. bank.

Barron Estuary continued.

- Linnæa pumila*.
- " *palustris*.
- " *truncatula*
- Succinea Pfeifferi*
- Planorbis crista*
- " *spiralis*.
- Paludostoma Jenkinsi*
- Pisidium smalli*
- " *affinis*

Mostly trending in the var. Boissyi direction
 Normal in drainage but a most peculiar
 form like a large fat *L. truncatula*
 living on the tidal edge of the river
 in company with *Succinea Pfeifferi* &
L. truncatula

P. leucostoma, Mich.

(231)

District round Narau Fort, Co Armagh
 Aug 5 & N.H. Foster 5-6-10.

- Linnæa maximus*.
- " *flava*.
- Agrion apertum*
- Acron ater*
- " *sulphureum*
- " *intermedium*
- " *hortense*
- " *farciatum*
- Vitriina pellucida* dead.
- Hyalina cellaria* - *Littorina*. Some rather fine specimens,
 large & flat in ruin of old mill
 opposite Tullymore House. Hereafter
 called Tullymore Mill.
- " *nitidula*
- " *para*
- " *crystallina*
- " *radiatula*
- Helix retundata*
- " *escentris*.
- " *lucida*.
- " *rufescens*.

almost all full grown.
 A red form common in ruins of Tullymore Mill.

Naran, Co Armagh, continued.

- Helix nemoralis*: Many of the var. castanea? (a miculorum group)
- " *aspersa*.
- Coch. lubrica*
- Carychin nana*
- Claviclea pidentata*
- Pupa cybistracea*
- Succinea Pfeifferi*: Very richly coloured specimen - Naran Quarries
- Physa fontinalis*
- Limnaea peregrina*: Very light coloured spec. - Naran Quarries.
- " *stagnalis*: Drain near Naran Lough.
- " *palustris*: " " "
- Planorbis albus*: Common in Naran Quarries.
- " *crista*: Naran Quarries.
- " *fontana*: " Lough.
- " *contorta*: " " + quarries.
- Valvata cristata*: " " " "
- Pyth. tentaculata*: " " " "
- Uph. corneum*: Naran Quarries.
- Pisidium substriatum*: Drain at Naran Lough.
- " *gossium*: " " " "
- " *parvum?*: Fore of Naran Fort.

Naran Lough should read *Pyth. fontinalis*

2323

Shore of Lough Fad (loch Fad) near Rotheray
 Bute, Scotland. AWS. 28.5.1890.

- Agris. aperti*: Common.
- " *laevi*: Common.
- Limnaea maxima*: On old red sandstone area at foot of a wall near farm.
- " *arvensis*: In wood in Metamorphic area.
- Arion ater*: Common.
- " *intermedius*: Metamorphic area; in wood.
- " *fasciatus*: Common.
- Vitrina pellucida*: In wood on Metamorphic Area.
- Hyalina cellaria*: One specimen ^{2/3} grown of the woodland form of *V. litorea*, Kennard. This is the shell recorded for many places as *Hyalina litorea*, Blum; *H. glabra* Studer & S. They are at once distinguished by their sutural striae.
- " *allearia*: Common + fine in woods on Metamorphic Area.
- " *nitidula*: Metamorphic Area
- " *pura*: " "
- " *radiatula*: By shore of loch.
- " *crystallina*: Metamorphic area.
- Euomphala fulva*: " "

Shore of Loch Fad, Bute continued.

- Zonitoides excavata. One type (juvenile) - woods on the Metamorphic area.
- Helix papyracea Woods on " " " " " Common.
- " rotundata " " " " " Common.
- " hispida Many young near farm with L. maximus
- " lamellata One dead in woods on Metamorphic area.
- " aspersa. By farm with H. hispida.
- Coch. lubrica. Common.
- Carychium minus. Shore of Loch Fad.
- Pupa cylindracea. Common & large near Rotheray.
- Vertigo antientis One on shore of Loch Fad.
- " edentata. In woods on Metamorphic area.
- Linnæa peregrina. Common.
- " truncatula A slender form with V. antientis
- Physa fontinalis a small form common - Loch Fad.
- Planorbis glabra One specimen - Loch Fad.
- " vultur Several - Loch Fad.
- Ameglin fluvialis Common - Loch Fad.
- Pisidium subtruncat, P. gossypianum, P. ...
- P. punctatum? & P. paludosum. all either - Loch Fad or in drains connected with it.

No Clavaria seen at all.

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Glenariff, Co Antrim
Aut. 25-6-10.

- Linnæa artorum. Common - Glen below Glenariff Lodge.
- Agriolima agrestis. " "
- Arion ater " and up to 1100 ft. on moors to east.
- " rufipes " in Glen.
- " hortensis " "
- " pascuata " "
- Vitrea pellucida " "
- Hyalina alliana on hill side.
- " nitidula In Glen
- " pura " "
- " crystallina " "
- " fusa on hill side.
- Helix rotundata. In Glen
- " lamellata. " "
- " fusca " "
- " hispida " one young very like a half grown H. granulata.
- Carychium minus " "
- Pupa cylindracea on hill side
- Sph. edentata " "
- Clavaria tridentata In Glen. One with two upper denticle.

5

Glenariff continued

Aene lineata One fine specimen in Glen (alba)

Arceles flav. In both streams, up to 1000 ft,
opposite Glenariff Lodge



Limnaea truncatula In swamp at foot of Deisceart
Pisidium " " "

234

No *Mullusca* seen in the larger unnamed
lake which lies $\frac{1}{2}$ east by south,
of Deisceart.

Notes for Clare Island Survey.

Limnaea cinereo-nigra Common 50-60 feet above Kinnacoma on Clare
Island (area No 1) at night time.

H. Wallis Kew & T. Welch.
18-6-10.

Collected by Miss H. Foster June 1910
at Balclare, Clare Bay Limestone Area.

- Vitrina pellucida*
- Hyalina cellaria*
- " *radiatula*
- Helix rufescens*
- " *itala*
- " *remorata*
- " *aspera*

- Helix rufescens*
- Purpura cylindracea*
- " *anglica* var. *pallida*
- Coch. *lubrica*
- Planorbis pedunculata*

On Dorinish Island, Clare Bay. 18-6-10

- Hyalina radiatula*
- Helix rufescens*
- " *itala*
- Purpura cylindracea*

Carrickaloughran Quarries, Near Armagh
Carboniferous Limestone Area. A.S. 2-7-10

- Agrio. agrestis*
- Linnæa maxima* Var. *cyathica*.
- Milax gazata* Both forms.
- Arion ater*
- " *suffusus* Var. *castanea* only.
- " *intermedius*
- " *fuscus*
- Hyalini cellaria*
- " *nitidula*
- " *crystallina*
- Helix rotundata*
- " *livida*
- " *remorata*
- " *pallidula* = *V. excentrica*, Steud.
- " *aspera*
- Coch. lactuca*
- Carychium minus*
- Pupa cyathica*
- Charisilla fidentata*

- Linnæa purpur*
- " *palustris* Naran, not at Carrickaloughran
- " *truncatula* In million in quarry ponds.
- Pisidium granosum* In ditch west of Carrickaloughran.

(235)

At Naran

- Vertigo pygmaea* on hillside north of Loughnasade
- Succinea elegans* In moat of Nara Fort on Fin.
- Pl. umbilicatus* In Loughnasade R.V.
- Anagallis lacustris* " " "

(235)

NB. Loughnasade is the lake lying 1/4 mile north of Naran fort, which in my former notes on this district I called "Naran Lough"

In Limestone quarries at Naran Fort, A.R.
R. Welch. 2-7-10.

I.F.C.U. Conference at Rosapenna,
West Donegal, July 8-14, 1910.

Doe Castle, Shepherson, AWS + RW. 8-7-10.

Limosina arborum
" *flavus*

Under fallen trees in marsh
one specimen in rotten log near castle
1st Record for West Donegal.

Agrius agrestis
Arion ater
" *suffusus*
" *intermedius*
" *lortensis*
" *prociator*

Meloe scabripes
Vitrea pallida
Hyalina alluaudi

One fine specimen with *L. flavus*.
Dead.
Common in castle ground. All *V. lebanica*, Kennard
One fine peculiar specimen in woods west
of castle, very fragile, thin & polished,
no white round umbilicus, which was
narrow = *V. schuffi* Kennard?
R. W.

" *nitidula*
" *crystallina*

Helix rotundata
" *livida*
" *infersus*
" *itala*
" *asperosa*

R. W. June 1910.
Common in grave-yard.

Coch. laticornis
Purpura glaucocincta
Balca pumila
Clausilia pidentata
Carychium minutum
Paludetina stagnalis
Pisidium

R. W. June 1910.

Round estuary west of castle.
In marsh west of castle. (230)

Rosguill Peninsula, AWS + RW. 9/7/10

Agrius agrestis
Arion ater
Hyalina alluaudi
" *nitidula*
" *crystallina*

Rosgill continued

Helix stundata

" *fulvella* = *V. excentrica* Sturki

" *itala*. Magnificent dark specimen above
Fanny's Bay.

" *hispidula*

" *aspera*.

" *remorata*.

Coch. *tubrica*

Pupa glabra

Vertigo pygmaea.

Limnaea peregra Var. *trionxi*. In pool above Fanny's Bay. Fri.

" *palustris*. R.W.

" *truncatula*.

Pisidium personatum. (237) In pool on Melmore Mt.

Rough Head, Mander Hole Bay. R.W.

Helix remorata.

" *itala*.

Pupa glabra.

Clavus pilosus.

Aphyrodia edentata
Anulus flavicollis

Melmore Head a.w.s. 9.9.10.

Agriolimax agrestis

Helix remorata

" *itala* all in ruin of Signal Tower

Hyalina allia

Pupa glabra

Helix aspersa on Burdock leaves on Malroy Shore.

Matheracullin Mountain. a.w.s. 9.7.10

Agriolimax agrestis

Limnaea stagnalis shore of smaller lake north of Melmore Loch

Arion ater " " " " "

Hyalina allia " " " " "

" *allia*

Helix stundata

" *itala*

" *remorata*

" *aspera*.

Coch. *tubrica*.

Mayhera callion continued

Pupa cylindrica
 " *anglica* In marsh on north slope of Mountain
 " *muscorum* By side of smaller Melmore Lough
Vertigo antientis With *P. anglica*
 " *pygmaea* " " "

Melmore Lough. a.D. + R.W.

Limnaea peregra
 " *palustris*
 " *auricularia* Var. *acuta*.
Planorbis albus Very fine
 " *glaber* ? R.W.
 " *crista*.

Pisidium

(238)

Limnaea peregra.
Planorbis cristata
Valvata cristata

2nd & smaller lake north of Melmore Lough.
 and *Valvata piscinalis*
Pisidium saltmont

(239)

Wood at Lockagh Bridge,
a.D. 10.7.10.

Limnaea maximus Fine & Common. Var. *zygothera*.
 " *arborum*.
Anisus fasciatus
Vithina pellucida.
Hyalina cellaria
 " *albicans*
 " *crystallina*
 " *lucida*
Helix stansbata
 " *livida*
 " *remorata*
Balca pumila.
Pupa cylindrica

Glen near Glanran, West of Aurlough
 375 feet alt. a.D. 10.7.10.

Agrius agrestis
Anisus intermedia
Hyalina nitidula Var. *Selmaii*
 " *pura*
 " *crystallina*

a.D. 10.7.10.
 Melmore Lough
 (239A)

Glossar continued.

- Helix nemoralis*
- " *rotundata*
- Coch. lubrica*
- Purpura angulata*
- " *cylindracea*
- Carychium minus*
- Anghelus fluvialis*

Greenough and 10-7-10.

- Anion ater*
- Hyalina alluvia*
- " *alluvina*
- " *radiata*
- " *crystallina*
- Helix rotundata*
- " *livida*
- Purpura cylindracea*
- Vertigo* sp.?
- Planorbis plicatella*
- Limonium truncatella*
- " *penaja*
- Salvata pinnata*

a young shell. Probably *V. antrotica*

Lough More and *Pindia nilivum* ²⁴⁰
 " " " *subtruncatum* B.B.W.
 " " " *pusillum*

Greenough, and R.W. 10-7-10
150-200 ft. alt.

- Apis. apertus*
- Anion fasciatus*
- " *intermedium*
- Limonium arborum*
- Jurinetoides excavatus* R.W.
- Helix rotundata*
- " *lamellata* R.W.
- " *nemoralis*

Barrow Bay Gap. and 11/7/10

- Anion ater*
- " *fasciatus*
- Apis. apertus*

Shores of Lough Salt. AWS + RW. 11.7.10
817-850 feet alt.

Agriolimax agrestis
Limax asper One specimen of the usual dark mountain form
Arion ater
 " *intermedius* Common
Hyalina albiaria Common.
 " *pura* One specimen. RW.
 " *nitidula*
 " *crystallina*
Helix rotundata
Pupa cylindracea
Coch. lubrica.
Limnaea pumila Common - Lough Salt
 " *truncatula* One dead shell between L. Salt + L.
Arion flaviventris Common - Lough.
Psidium (241)

Lough Reelan 750 feet alt. AWS.

Limnaea pumila
Arion flaviventris
Psidium

} Lost. They were *Helix* *P. pusilla*, *subtruncatula* + *pumila*.
 "

(241)

(242)

TORY Island. AWS + RW. 12.7.10

East End. 0-200 feet alt.

Milax gagates Small & dark slate colour. Rare.
Agriolimax agrestis Brown with, bands on shield } + Bant.
Arion ater
 " *intermedius* Common on cliffs.
Hyalina albiaria Common.
Helix rotundata
 " *remorata*. Common. Mostly var. *albolarvata*.
Pupa cylindracea Very abundant. Var. *anemortua*.
Coch. lubrica. Rare.
Clavicornia fidentata One dead 1/2 grown shell on cliffs.
Psidium In pool west of Port Don. (243)

Segreby. AWS + RW.

Agriolimax agrestis
Arion ater
 " *intermedius*
Hyalina albiaria
 " *nitidula* Several fine specimens. High spiral + much dilated.
 " *crystallina* Rare.

Tory Island, Legreby continued.

Helix retundata
Purpura cythraea
" *anglica*. Several dark specimens.

West End. a. & S.

Aprio. apertis
" *laevi* One young specimen under stone on east shore of Longh Ays.

Anion atre
" *intermedia* Rare.

Milax papata
Vitrina palluata One dead shell - Cove east of Light House.

Hyalina alliana

Helix retundata

" *rennoli*

Purpura cythraea

Limnaea puzosii Longh Ays + pools near it.

" *truncatula*

Planorbis cristata In pool between Longh Ays + Light House.

Pisidium

Pools near L. Ays. (244) Pools further West.

(244)

244 A

Shells collected by Mr. J. N. Milne on Tory Island
- 1894 + 1897.

Hyalina crystallina

" *alliana*

" *nitidula*

Helix rennoli

Purpura cythraea

Limnaea puzosii

" *truncatula*

Planorbis cristata

Pa. ~~_____~~ ^{Foylesmore} B.B. Woodward.
~~_____~~ ^{St. Jude's Co.}
~~_____~~ ^{21. 10.}

Dear Mr. Stalson

I cannot find the list of the Tory Is. shells I had written out. Here are all I got except the nitidula which has gone astray. I am also pretty sure that I saw abundance of hispidia on old bits of coffins in the grave yard and once I saw two aspersa beside a house but as I did not bring either I exclude these two from my list. Yours sincerely J. N. Milne

L. & S. W. Stalson
From Tory Isd
1897.

- V. crystallina*
- V. alliana*
- V. nitidula*
- H. rennoli*
- L. cylindracea*
- L. puzosii*
- L. truncatula*
- P. cristata*
- P. pusillum*

Foglesmore
St. Jude's Cr.
21.7.10

Dear Mr Stelfox

I cannot find the
list of the Fogy I had
I had written out. Here
are all I got except
the nitidula which has
gone astray. I am also
pretty sure that I saw
abundance of *trispida*
on old bits of coffins in
the grave yard and once
I saw two *aspersa* beside
a house but as I did not
bring either I exclude
these two from my list.
Yours sincerely
J. Milne

You see I took
no account of the
things at that time
so I can not say
nothing of them
now.

I had a letter
from her Tuesday
this morning
asking me to send
the list.

I was,

Tory Island, Legreby continued.

Helix retundata
Purpura cythraea
" *anphica*. Several dark specimens.

North End. a. & S.

Aprio. apertis
" *laevi* One young specimen and stone on east shore of Longh Ays.

Anion ater
" *intermediis*

Milax papata Rare.
Vithina palluicida One dead shell - Cove east of Light House.

Hyalina alliana
Helix retundata
" *renovata*

Purpura cythraea
Limnaea pereger. Longh Ays + pools near it.
" *truncatula* " " " " " "

Planorbis cristata In pool between Longh Ays + Light House.
Pisidia Pools near L. Ays. (244) Pools further West.

(244)

244 A

Shells collected by Mr. J. N. Milne on Tory Island
- 1894 + 1897.

Hyalina crystallina
" *alliana*
" *nitidula*
Helix renovata
Purpura cythraea
Limnaea pereger
" *truncatula*
Planorbis cristata
Pisidia pusilla Identified by B. B. Woodward.

D. S. W. Shreeley
J. N. Milne
1897.
V. crystallina
V. alliana
V. nitidula
H. renovata
L. cylindracea
L. pereger
L. truncatula
P. cristata
P. pusilla

Crattagh Wood, a.S. & P.W.

13.7.10.

- apric. apertis*
- Arion ater*
- " *suffusus*
- " *intermedius*
- " *hortorum*
- " *foveolatus*
- Vitrea pallida* Dead.
- Hyalina alliana*
- " *alliana*
- " *nitidula*
- " *pura*
- " *crystallina*
- " *fulva*
- Zonitoides excavatus* Several fine shells.
- Helix stansata*
- " *remorata*
- Coch. lubrica*
- Carych. min.*
- Prupa cylindrica*
- " *anglica*
- Bolea pumosa*
- Clavella fidulata*

P.W. Fine specimen above wood.

End of I.F.C.V.
1910

Sallagh Brook & Knockdhu

Co. Antrim. a.S., P.W., & F.B. O.B.

24.7.10

Cliffs of Knockdhu, 1000-1200 ft. alt.

- apric. apertis*
- Arion ater*
- " *suffusus*
- Helix stansata*
- Hyalina alliana*
- Clavella fidulata*

Lough Duff 1075 feet alt.

- Limnaea pumpa* Full grown + just dying.
- " *palustris*
- Pisidium*

(245)

- above on shore of lake.
- Hyalina alliana*
- Arion ater*

Gallagh Boreen continued
Path below cliffs 600-500 feet.

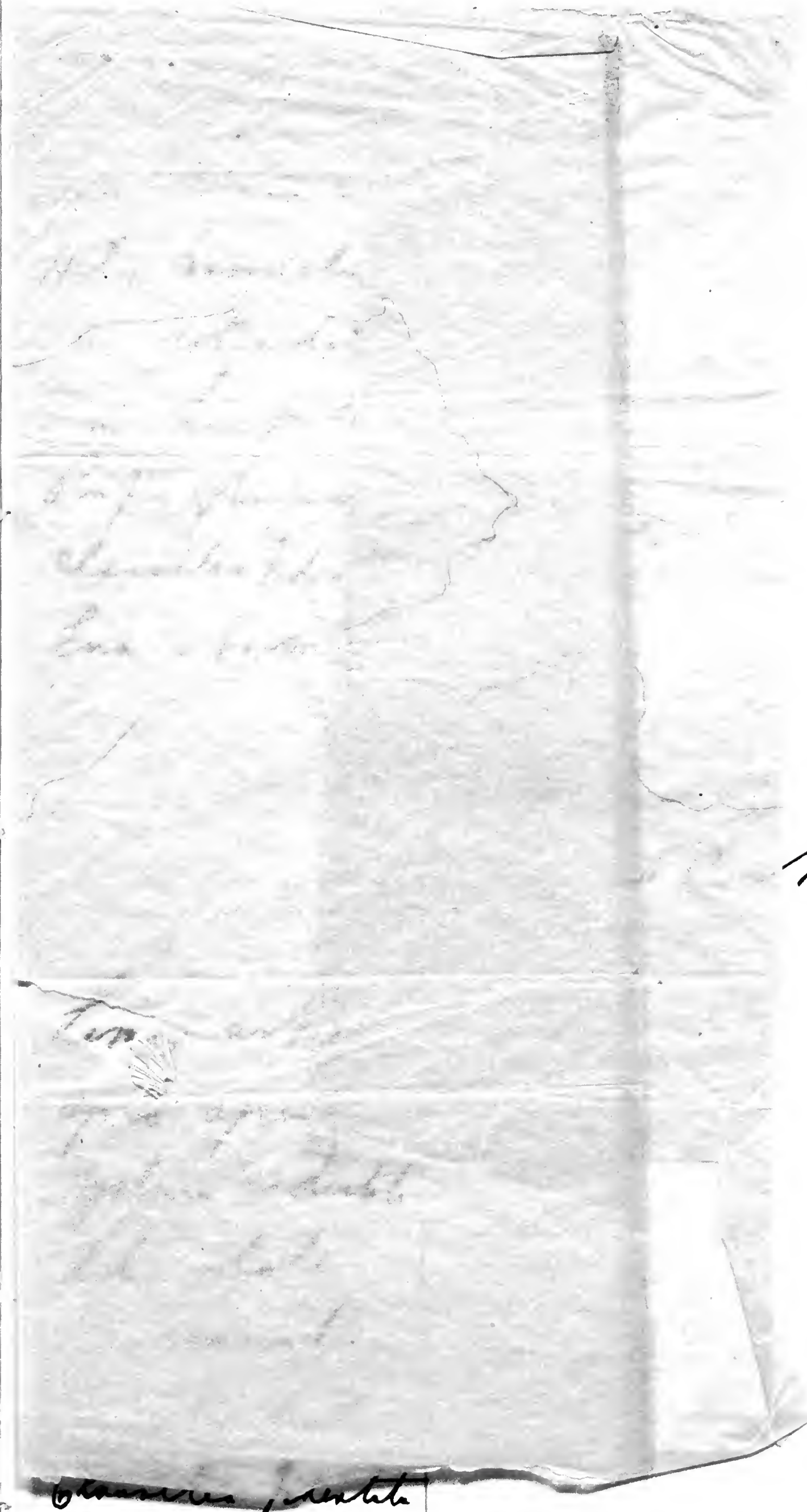
- Lima* *arbores*
- Apis* *aperti*
- Arion* *ater*
- " *rufipes*
- " *intermedi*
- " *proscatur*
- Vitrea* *pallasi*
- Hyalina* *allioni*
- " *nitidula*
- " *pura*
- " *crystallina*
- Helix* *rotundata*
- " *hiopida*
- " *nemorali*
- " *arbores*
- " *junca*
- " *rusticior*
- Coel.* *laticornis*
- Clavella* *fiduciosa*
- Purpura* *viridula*

at the roots of Lady Fern + among nettles
Many nice caten shells.

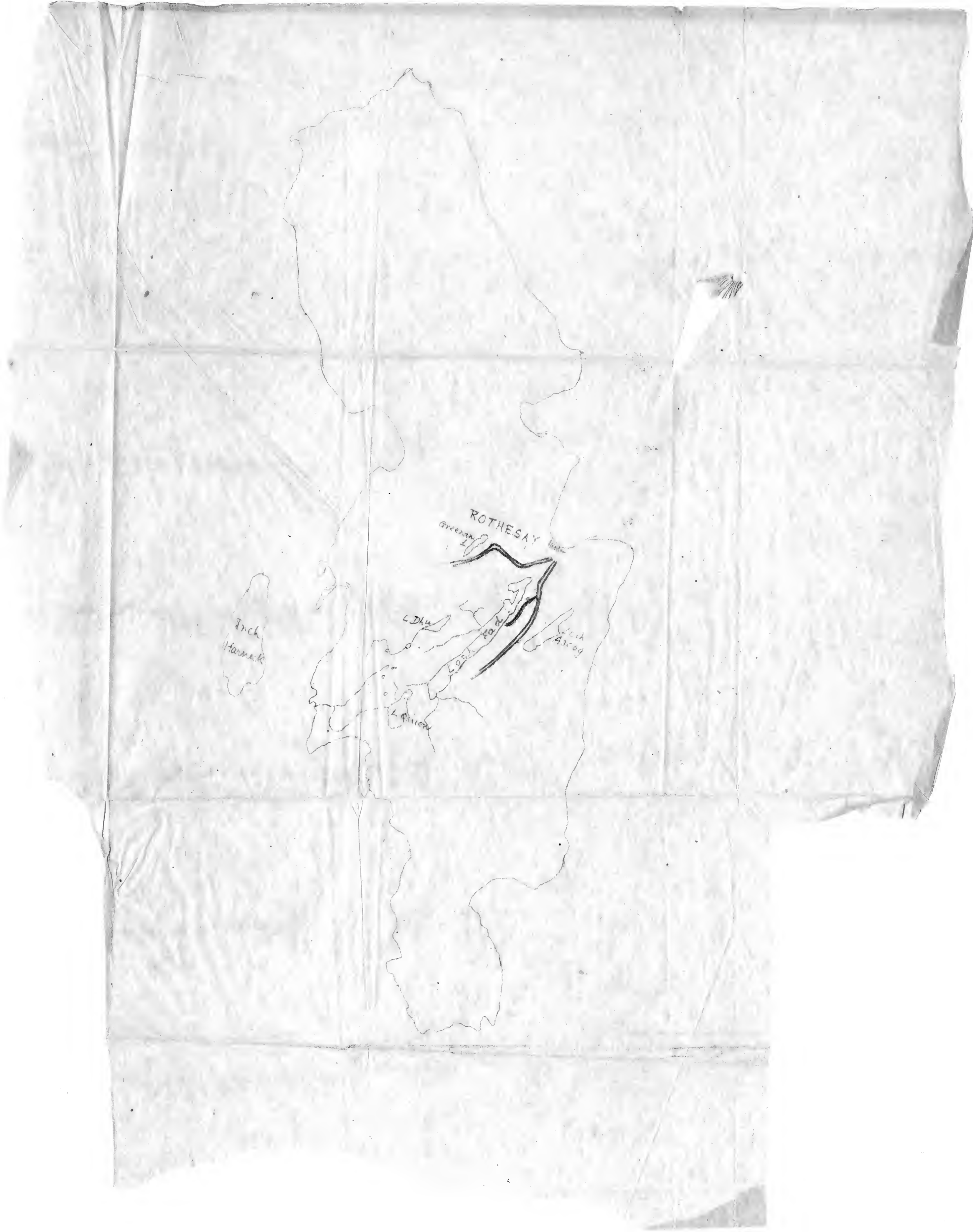
Dead only.

On chalk cliffs above Killybegs.

Chalk cliffs at Waterloo, Lanes, Co. Wick.
A.W.S., P.W. & F.B.B. 24.7.10



to, Portrush. A.W.S. 20.8.10



ROTHESAY

Inch
Marnak

L. Dhu

L. Puck

Loch
Assyog

Gallagh Breen continued
Path below cliffs 600-500 feet.

- Lima* *arborescens*
- Apria* *aperta*
- Arion* *ater*
- " *rufipes*
- " *intermedia*
- " *proscata*
- Vitrea* *pallasioides*
- Hyalina* *alliana*
- " *nitidula*
- " *pura*
- " *crystallina*
- Helix* *rotundata*
- " *livida*
- " *remorali*
- " *arborescens*
- " *junca*
- " *rusticaria*
- Coch.* *laticosta*
- Clausilia* *pidentata*
- Pupa* *sp.*

at the roots of Lady Fern + among nettles
Many nice caten shells.

Dead only.
In chalk cliffs above Killybegs.

Chalk cliffs at Waterloo, Lanes, Co. Wick.
A.W.S., P.W. & F.R.B. 24.7.10

- Hyalina* *alliana*
- " *alliana*
- Helix* *remorali*
- " *rotundata*
- " *livida*
- Pupa* *sp.*
- Clausilia* *pidentata*
- Ena* *otocera*

White Rocks, Portrush. A.W.S. 20.8.10

- Lima* *arborescens*
- Apria* *aperta*
- Hyalina* *radiatula*
- Helix* *italica*
- " *remorali*
- " *rotundata*
- Clausilia* *pidentata*

Bushmills, Co Antrim. A.S. 20.8.10
East bank of Riv. Bush between town
& the Salmon Leap.

- Agriis apertis*
- Arion ater*
- " *caeruleus*
- " *hortensis*
- Hyalina cellaria*
- " *allearia*
- " *nitidula*
- " *purpurea*
- " *radiatula*
- Helix papyracea*
- " *rotundata*
- " *livida*
- " *nemoralis*
- Coch. lubrica*
- Campyl. min.*
- Pupa anobis*
- " *cyathina*
- Vestigo papyracea*
- " *substriata*
- Angulus floridulus*

Common.

- Limnaea peryz.* Riv. Bush.
- Planorbis alba* " "
- " *carinata?* Very young specimen
- Succinea pinnata*
- Bythinia tentaculata*
- Pisidium*

246

Unio margaritifer Common in channels above Salmon Leap -
July or August 1902 (A.S.).

Barwickpagan, Antrim. A.S. 27.8.10

- Agriis apertis* Castle.
- Limnaea aurum* " "
- " *flava* on wall at Barn Mill.
- Hyalina allearia* Castle
- Helix aspersa* " "
- Pupa cylindracea* " "
- Clavella fidentata* Glyn Park
- Limnaea peryz.* " "
- Angulus floridulus* " "

Moria + Mayhewlin, Co Down.

3/9/10.

- Agrio. apertus*
- Arion sapperus*
- " *hortensis*
- Hyalina cellaria*
- Helix rotundata*
- " *leopida*
- " *memoralis*
- " *aspera*

Mayhewlin, Larrie
& Lujan.

- Claudis identata*
- Succinea patris*
- Limnaea purga*
- " *palustris*
- " *truncatula*

In ditch along side canal at Moria station in a very slender form.

- Physa fontinalis*
- Panorpa carinata*
- Valvata cristata*
- Bythin tentaculata*
- Phys. cornu*

Mayhewlin + Moria
" "
Moria.
Mayhewlin.

September Trip, 1910.

Tralee, North Kerry.

Fields + walls at head of Estuary.

aws + R. Welch. 16.9.10.

- Agrio. apertus*
- Milax monachi*
- Arion ater*
- " *fasciatus*
- Hyalina lucida*
- " *cellaria*

Vari. *aterrima* + *castorea*.

a few numbers at base of walls.
Rare - only dead found.

- Helix rotundata*
- " *apertus*
- " *sapperus*

Fine specimens on walls.
Two distinct forms.

- (a) a compact high spired form in vegetation along sea dyke. Very like a large form of *H. leopida*
- (b) a more normal form at base of walls. Young specimens are almost flat.

- " *itala*
- " *virgata*
- " *aspera*
- " *provolvata*

Several dead shells at base of plants

Tralen estuary continued.
just above high-water mark.
It was too dark to look for
living specimens, which were
probably close at hand.

- Coch. cubrica
- Carych. min
- Succinea flappii
- Vertigo pygmaea.
- Clavosia bidentata
- Physa myzotis.
- Palaudotus jenkinsi
- Purpura cylindrica
- " muscorum.

One dead - tidal rejectamenta
In enormous quantities in field drain

Dead specimen only.

Pond on left of Road between Tralen
& Ardfer. N. Kerry. 17.9.10

- Limnaea peregra.
- Planorbis altern
- " cristata.
- Physa patrisii
- Pisidium

247

Ardfer to Ballin Prior, North Kerry.
A.W.S. & R.W. 17.9.10.

- ①. Ardfer atty
- ②. Ardfer Village + 'Cathedral'.
- ③. Ballin Prior Sand Dunes.
- ④. " " Marsh.

- Agriol. aperta Common.
- Anis. intermedia In fosse of 'Linn' on road to Ardfer.
- " fasciata ②
- Vitrina pallucida ①. Several, but apparently rare.
- Hyalina cellaria Common. 1. + 2.
- " allisii Rare. 2.
- " nitidula Rare. 1.
- " crystallina
- " radiatula
- " pumila
- Helix rotundata 1 + 2.
- " rufescens 1 + 2.
- " pulchella Vallonia excentris, Starkii. 2.
- " cooperata. 2.
- " nigrita Common 2 + 3.
- " italica Common at 2. Rare on Sand dunes. 3.

Ardfert + Ballin Prior, continued

- Helix aspersa*. 1, 2, + 3. Common.
 " *remorali*. Very fine + common at 1. Only a few dead shells seen at 2.
 Common on Sand Dunes (in places).
 " *reflexa*. Common 1, + 2.
 " *limpida*. Very rare 2.
 " *granulata*. Very abundant at roots of nettles + other plants, growing in the Abbey
 ①. Most common on the 1st floor ruined dormitories, to N-E of the Cloister.

- Coch. lubrica*
Carychi min. 2. Rare.
Purpura muscom 2. Rare.
 " *cylindracea*
Clausilia bidentata
Vertigo pygmaea 2.
Limnaea puzos 4.
 " *truncatula* 2.
Aspleta hypnum 4.
Planorbis cincta 4.

- Planorbis spirorbis*. = *P. leucostoma*, Mich.
 " *unifilicula*. Typical specimen but all young.
Paludestina stagnalis. Many dead in marsh.
Pisidi

248

Collected in shell-pockets by R. Welch.
 at Ballin Prior. 17. 7. 10.

DINGLE PENINSULA SURVEY.

A.W.S. AND R. WELCH. SOUTH KERRY.

Lough Anseaul 250 feet alt.
aw.S. 18/9/10.

- Anagba flavitincta*
- Limnaea puzosii* a lacustrine form.
- " *truncatula* not in lake, but close by under stone.
- Physa fontinalis* Very abundant.
- Pisidium caertoni*
- " *gossii*

(249)

Lough Anseaul is apparently the lake from which *Planorbis cornu* was reported to have been taken (see I.N. p.1, 1908). Thinking that the record if correct was more likely to refer to *Clona* (*Helix*) *quinperiana* - a shell found in N. Portugal & Brittany - I could not find the locality without a search. Nothing however rewarded my efforts & though it would be a strange place for *P. cornu* the shell might possibly occur there.

Roadside from Anseaul to
Lough Anseaul. aw.S. 18.9.10.

- Agriolimax*
- arion ater*
- Hyalea crystallina*
- Helix nemoralis* One beautiful red shell, 00300, with white line under³.
- " ~~aspera~~
- " *aspera*.
- Limnaea puzosii* In boggy pool.
- " *truncatula*
- Pupa cythraea*
- Coch. lubrica*

(250)

Carriekblagher Cliffs, north-west of Lough
Anseaul. 250-500 feet. aw.S. 18.9.10.

- Agriolimax*
- arion ater* Vars costarica + planica, with yellow fringes.
- " *intermedius*
- Hyalea albicincta*
- " *crystallina*
- Helix rotundata*
- Pupa anglica* Mostly pale, seen, Lona colour.
- " *cythraea* Var. *aneurostoma*.
- Sph. edentata*

Carriekhayter Cliff, continued.
250/500 feet.

Vestigo pygmaea.
" *substriata*.
" *carych-min*.
Coch. lubrica.
Succinea Pfeifferi

B. Shells were most abundant
at about 400-450 feet alt.

Just above lake shore.

Ditto ditto, 500-1000 feet alt.

Agrio. apertis
" *laevis*.
Arim ater.

Var. ~~aterrima~~ *aterrima*.

Hyalina alliana
" *radiata*.
" *crystallina*.
Purpura cylindrica
" *anglica*.

Vestigo pygmaea
Coch. lubrica
Carych-min
Linnæa truncatula

1100 feet alt.

Lough Tooreenmartin
1200 feet alt.

1/2 mile N-W. of Knockmolemore. A small stony
lake with *Scotes lacustris* (?) + the plants,
clean pure water + fish.

Arim ater. Var. *aterrima*.

Amylus fluviatilis Very common.

Pisidia ~~aterrima~~ *lilljeborgi* Apparently common - the sandy mud
round the two grooks + among
the roots of *Scotes*. Verified by B.B.W.

(251)

Counanore Lakes, 1100, 1200 + 1350 feet alt.

Three beautiful lakes, lying in rock basin, with
splendid cliffs along southern side, 2 miles
east of Connor's Hill + 2 1/2 - 3 miles west of
Lough Tooreenmartin.

Arim ater. Common up to 1850 feet on ridge west of lakes.

Amylus fluviatilis Common in all three lakes.

Pisidia ~~aterrima~~ *lilljeborgi* In all three lakes. Verified by B.B.W.

" " In marsh at outlet of lowest +
largest lake.

(252)



Environ of Single Town.
R.O. 18.9.10.

- Agrio. aperti.*
- Milv. soustyi.* almost black. Bunnam Wood.
- Limn. naum.* Bunnam Castle Woods.
- " *flavus.* " "
- " *arbus.* " "
- Arion ater* " "
- " *luteus* " " almost black above +
bright orange feet sole. The only
specimen seen on the Peninsula
- " *intermedia*
- Hyalin. allisii*
- " *radiatula*
- Helix retundata*
- " *lipida.*
- " *remota*
- " *aspera.*
- Coch. lubrica.*
- Pupa cylindrica*
- Clavicorn. fidentata*
- Bolea persana.*

- Mantle & Drains at Milltown
- Limn. pascu.*
- " *truncatula*
- Planorbis spiralis* (10)
- Pulch. tenuis japonica.*

Knockna-breestee Cliffs, Brandon Head.
900 - 1400 feet alt. a.w.s. + R.W. 19.9.10

- Agrio. aperti*
- Arion ater*
- " *rufus*
- " *intermedia*
- Vitrea pellucida*
- Hyalin. cellaria* Two dead shells at about 1200 feet. The
highest record I possess.
- " *allisii*
- " *nitidula*
- " *pura.*
- " *radiatula*
- " *crystallina*
- " *fulva.*
- Helix retundata.*
- Coch. lubrica.*
- Carych. min.*
- Pupa cylindrica* Var. *anemotoma*, Lowe.
- " *anglica* Rare.
- Clavicorn. fidentata*
- Sphyr. edentata*
- Yutips. obstructa*

Cool 150 feet alt above Brandon Creek.
A.S. + R.W. 19.9.10.

Lemna peryes.
Pisidium

(253)

Bally Lough in old road for
Dingle to Brandon Creek. 19.9.10

Lemna peryes.

Pisidium nitidum (B.B.W.)

N.B. Very swampy & peaty.
1" ord. Sundry. "Ballylough Lough"

(254)

Old Churchyard at Knockarrogan,
north of Dingle. A.S. + R.W. 20.9.10.

Agrius apertus

Arion ater

" *intermedius*

" *fuscatus*

Hyalina

Helix reticulata

" *remorata*

Purpura hyalina

Gallarus + Inverwick Bay. A.S. + R.W.

20.9.10.

Agrius apertus

Milaxa sowerbyi

One fine dark specimen with red
markings at Gallarus Village.

" *fuscatus*

Gallarus. Near oratory.

Lemna peryes

With *M. sowerbyi*.

" *arborum*

Gallarus.

Arion ater

" *intermedius*

Vitrina pellucida

Gallarus.

Hyalina cellaria

" *alliarum*

Kilmalkeban (R.W.)

" *radicata*

Kilmalkeban (R.W.)

" *pura*

Gallarus.

Jon. nitida

Roadside marsh near Gallarus.

Helix reticulata

" *livida*

" *capitata*

Abundant round 'Oratory' in field.

" *virgata*

Very common from 'Oratory' to 'sea'

" *itala*

Very rare indeed.

" *subaena*

Abundant near sea on dunes.

Invernick Bay continued.

Helix nemoralis Not at all common. None on sand dunes.
 " *aspera*. Common, especially near Ballinranney.
 " *pulchella* = *excentrica* Sturki. Very common under
 { Correct! G.W.S. 1924.
Coch. lubrica.
Corych. min.
Purpa cylindrica
Bolea parvum Gallarus.
Clavilia fidetata Gallarus + Kilmalkedar.
Vertigo pygmaea Gallarus + Ballinranney.
 " *substriata* Gallarus.
 " *antivertigo* Gallarus + Ballinranney.
Spl. edent.
Succinea pfeifferi Gallarus + Ballinranney.
Linnæa peregr.
 " *palustris* Gallarus.
 " *truncatula*
Planorbis spirata Var. *leucostoma*. Gallarus.
 " " ~~XXXX~~ " Ballinranney. *leucostoma* Miller.
Pal. jenkinsi Gallarus + Ballinranney.
Piridina parvula
 " *caerulescens* (255)
 "

Sand Dunes of Inch, Dingle Bay.

and. & P.W. 21.9.10.

agris. aperta
 " *laevi*. Rare.
Anion aton
 " *intermedium* Cliffs west of village
Limon. arborum. "
Hyalinia cellaria "
 " *radiatula* "

Helix retundata Taken at foot of cliff at west (north) end of
 strand.
 " *pulchella*. "
 " *nemoralis* Very large in little sea fully + finely
 coloured. Common in sand dunes
 but mainly small. Var. *caerulescens* 00300
 + var. *hyalognata*. a few white tipped.
 " *itala* Rare in sand dunes.
 " *cooperata* Common + large in many parts of
 the dunes, north, var. *ornata*.
Coch. lubrica. Rare.
Purpa cylindrica
Clavilia fidetata On road side near Annascaul, not seen at
 Inch.

Inch continued.

Succinea Pfeifferi

Limnaea peregrina

" *truncatula*

Planorbis spiralis Type in dried up drain in sand dune

Paludestris jacobini In mark at top of sand dune.

Pisidium caertanum " (256)

"

Sea Head, Ventry. ASD + R. W. 22.9.10
225 feet alt.

Agrius agrestis

Hydrobia ulmaria

Helix rotundata

" *remorali*

Purpura cylindrica

Coch. lubrica

Clavella pidentata

Vertigo papyrea

all collected by roadside at Sea Head, the most westerly point of Ireland (mainland) & Europe except the Orkneys & Azores

Glenfahon, near Sea Head.

220 feet alt. ASD + R. W. 22.9.10.

Agrius agrestis

Anis subpurpurea

" *intermedia*

all in bit flow taken in moss.

Hydrobia ulmaria

" *pura*

" *radiatula*

" *crystallina*

Purpura papyrea

Helix rotundata

" *aculeata*

" *lanellata* Common.

" *remorali*

Coch. lubrica

Purpura anglica Some var. alba, some dark.

" *cylindrica*

Vertigo papyrea Very common.

" *lineata* Over 200, variety of left-handed spec.

Ventry Bay
ass. + RW. 22.9.10.

Agriolimax agrestis
Arion ater
" *intermedius*

Milax sordidus Ventry
" *gajatus* "

Vitrina pullulata old churchyard in sand dunes.

Hyalinaria allanii Two beautiful specimens at base of wall in Ventry. Very high spired, polished rich red colour + compact. Not quite full grown.

"
" *fulva*. Field at back of sand dunes near small salt-marsh.

Helix rotundata
" *pulchella* old churchyard.
" *livida* "
" *insculpta* Ventry. A small colony.
" *pygmaea* old churchyard.
" *renardii* In fields. Rare.
" *aperta* old churchyard.
" *acuta* Very common on parts of sand dunes.

Helix itala Common.
" *vulgata* Abundant all over district. On sand dunes a few very large shells were taken to near side of Fin the river. *nigrescens* was common.
" *copulata* Fairly common in places.
Coch. lubrica. Common in old churchyard.

Purpura cylindrica
Vertigo antevitijs Fields
" *pygmaea* old churchyard.
Succinea Pfeifferi Fields.
Limonium peregr. Drain in fields

Planorbis spirorbis With *L. peregr.*

(257)

Cliffs near Connor Hill above Single.
1800 - 1400 feet alt.

aws + RW 23.7.10.

- Agis. apertis 1400ft.
- " lavis. One specimen at 1300ft.
- Arion ater. 1400ft.
- " intermedius 1400ft. Common.
- " fasciatus 1400ft. One spec.
- Hyalina allieia 1400ft.
- " radiatula "
- " pura 1300ft.
- " crystallina 1300ft.
- " fulva. 1300ft.
- Helix rotundata 1300ft.
- " fusca on lugula in gully at 1300ft.
- Oph. edentula 1300ft.
- Clausilia fidatata 1200ft.
- Limnaea truncatula 1200ft. On wet rocks.

Lough Doon. 1050 feet alt.
aws + RW. 23.7.10.

Pisidium ~~hammondi~~
elliptici. In muddy sand at roots of Eucalyptus to
Boots. Pleistocene but small.
Kept by B.B. Woodward. (258)

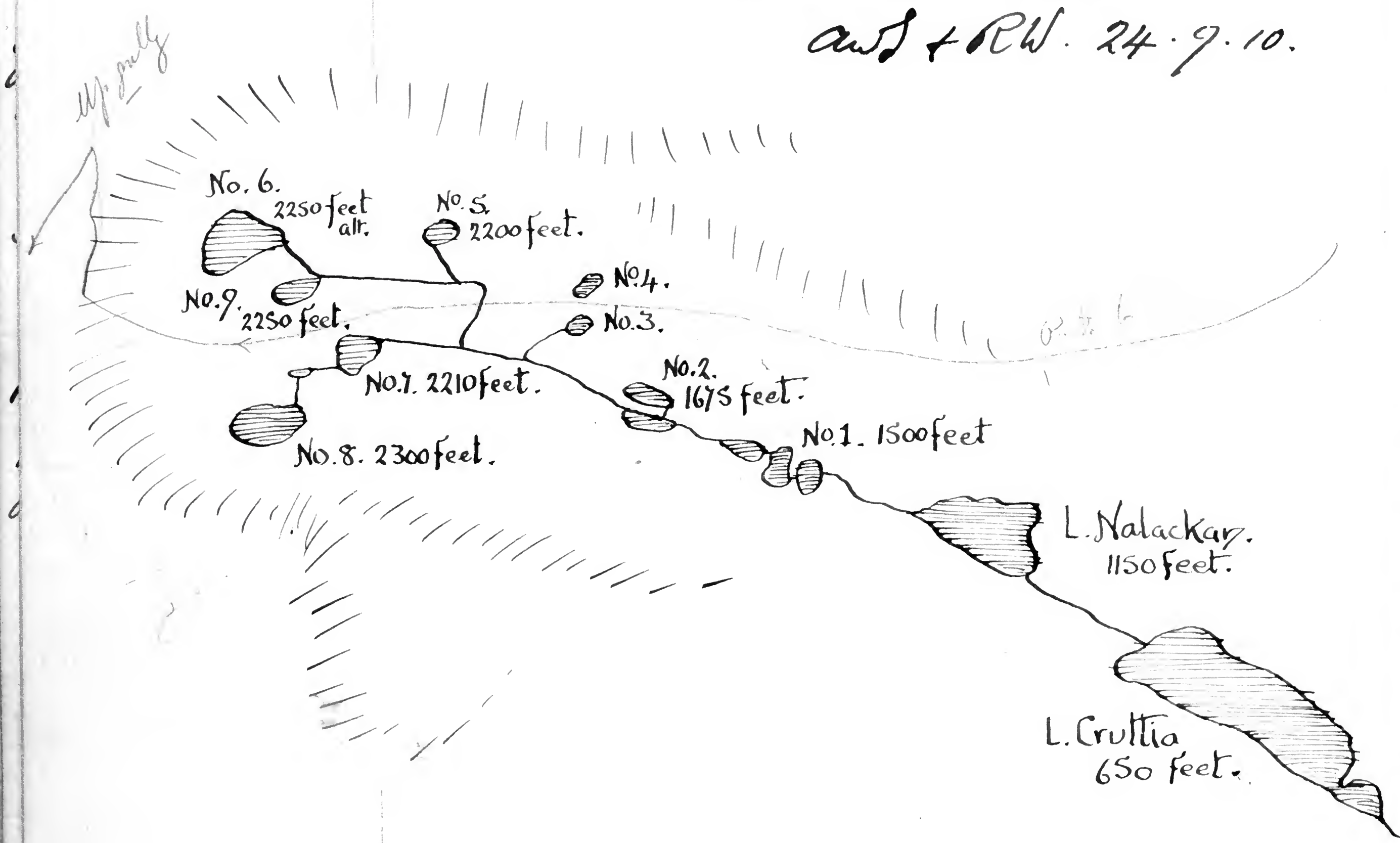
Brandon Mountain
aws + R.W. 24.7.10.

3,127 feet. Collected under stones of St Brendan's Oratory
& in Holy Well
Arion ater. Jet black. Common.
~~Melano-gaster~~ almost black. one spec.
Hyalina allieia. Properly common. Var. viridula.
Pisidium persimile Common in Holy Well on
summit. (named by B.B. Woodward).

2800 feet
Arion subfuscus.
" intermedius. One specimen was bright
golden yellow with brilliant orange
foot-sole.

2300 feet. Collected round the edge of the highest
lake. No. 8.
Hyalina crystallina.
Limnaea truncatula.

Couma Knock Loughs
Brandon Mountain
A.S. + R.W. 24.9.10.



Lough No. 8. alt. 2300 feet.

Anagla flavitibi Very abundant but small.
Pisid ~~XXXXXX~~ ~~XXXXXX~~
 " *personatum* 259
 " *nitidum*

Lough No. 9 alt. 2250 feet.

Anagla flavitibi Very abundant.
Pisid obtusale
 " *nitidum*
 " *pusillum* } Named by Mr. O.B. Woodward. (250)

Lough No. 6 alt. 2250 feet.

Anagla flavitibi
Pisid ~~XXXXXX~~
 " *pusillum* } "Very thin, somewhat distorted" } named by
 " *obtusale* } O.B.W.

(261)

Couma Brook Loughs continued.

Lough No. 7. alt 2210 feet.

Anaglus fluvialis Common + the largest seen in district

Pisidium ~~mitidum~~

" *obtusale* } Named by B.B.W. (262)
" *pusillum* }

Continued 25th Sept. 1910.

Lough No. 2. alt. 1675 feet.

Anaglus fluvialis.

Pisidium obtusale

" *mili*

" *perovatum*

" *mitidum*

" *pusillum*

} Named by B.B.W. (264)

Lough No. 7. alt. 1500 feet.

Anaglus fluvialis

Pisidium mitidum

"Very thin, light form". (B.B.W.)

(265)

Collected by R. Welch in Cakes

Nos. 6, 7 + 9.

263.

24th Sept. 16.

(267)

Lough L. Crutchei. alt. 650.

Anaglus fluvialis

Very rare, near inlet only.

Limnaea puzos


a form going towards *L. praetensis* Powell.

Pisidium pusillum

"Very thin, light size, slightly abnormal" (B.B.W.)

268

Old Church + marsh at Cloghane.
A.W.D. + R.V. 25.9.10.

Agriolimax agrestis
Milax gagates (brown form) old church.
Limax maximus old church.
Arion ater " " var. plumbeus
 " *suffusus* In marsh along old lane near church.
 " *intermedius* " "
 " *fuscus* " "
Hyalina cellaria old church.
 " *nitidula* " "
 " *crystallina* " "
Helix retundata " " + Marsh. Many white in church.
 " *lipida* " " "
 " *copulata* on wall at Hotel + wall round church.
 " *memorabilis* one beautiful spec. with pink lip at Lake. Also in old ch.
 " *aspera* Old church. Dead only.
 " *reflexus* In garden of Hotel on *Arabis alba*.
Coch. lubrica Old church.
Clausilia pidentata " "
Cyprina sp. " " also 
 " *angulata* In marsh. *Limnaea truncatula*
Vestigo pygmaea In old church. - marsh.
 " *antivestigo* In marsh.

Shadhbally near Castleprejory. 26.9.10
A.W.D. + R.V.

1. old graveyard below village.
2. Sand dune.
3. Lough Gill.
4. Marsh 1 mile west of Lough Gill.

Agriolimax agrestis 1. 2. 4.
Limax maximus 1.
 " *ater* 1. Very common. Pale form.
Milax gagates 1. Quite abundant, large + all pale brown.
Arion ater 1. 4.
 " *suffusus* 1.
 " *intermedius* 1.
 " *fuscus* 1.
Hyalina cellaria 1. 2.
 " *nitidula* 1. 2. 4.
Zon. nitida 4.
Helix retundata 1. 2. 4.
 " *lipida* 2. Rare.
 " *reflexus* 1. 2.
 " *granulata* 2. 4. Very common; under stones + at roots of
 sedges + nettles.
 " *paludicola* 4.

Stradbally continued.

- Helix itala* 1. 2. 4.
- " *asperata* 1. 2. 4. Very abundant on wall & in some places on the fine sand dune 1/2 west of the old church yard road. The latter very like the Hornhead shells
- " *nemorali* 1. 2. 4.
- " *aspera* 1. 2. 4.
- Coch. lubrica* 1. 2. 4.
- Carychium* 2. 4.
- Pupiscyphidium* 1. 2. 4.
- " *anglica* 2. 4.
- Balca pumosa* 1. Very common on north wall road church.
- Clavella fidistata* 1. 2. Extraordinarily abundant in parts of the church yard.
- Vestigo pygmaea* 2. 4.
- " *antivestigo* 4.
- Succinea Pfeifferi* 2. 4.
- Limnaea puzosii* 2. 3. 4.
- " *truncatula* 4.
- Physa fontinalis* 3. 4.

- Aplecta Lymnaea* 4.
- Pleurobil altus* 3. 4.
- " *crista* 3. 4.
- " *spiralis* 3. 4.
- " *fontanae* 4.
- Voluta cristata* 4.
- Sphaerium come* 4.
- Pisidium*

Urtica dioica
gen. nov.

270 271 L. Gill.

Fernyale Wood, Brandon Bog
S. Kerry. AWS & RW. 26.9.10.

- Agrio. apertus*
- Arion suffusus*
- " *intermedius*
- Vitrea pellucida*
- Hyalina nitidula*
- "
- " *pura*
- " *radiata*
- " *crystallina*

Moss shapings.
" " Var. *helmii*.

- Helix rotundata*
- " *aculeata*
- " *comellata*
- " *fusca*

One specimen crawling on piece of rotish
One specimen = moss shapings
On *Luzula*.

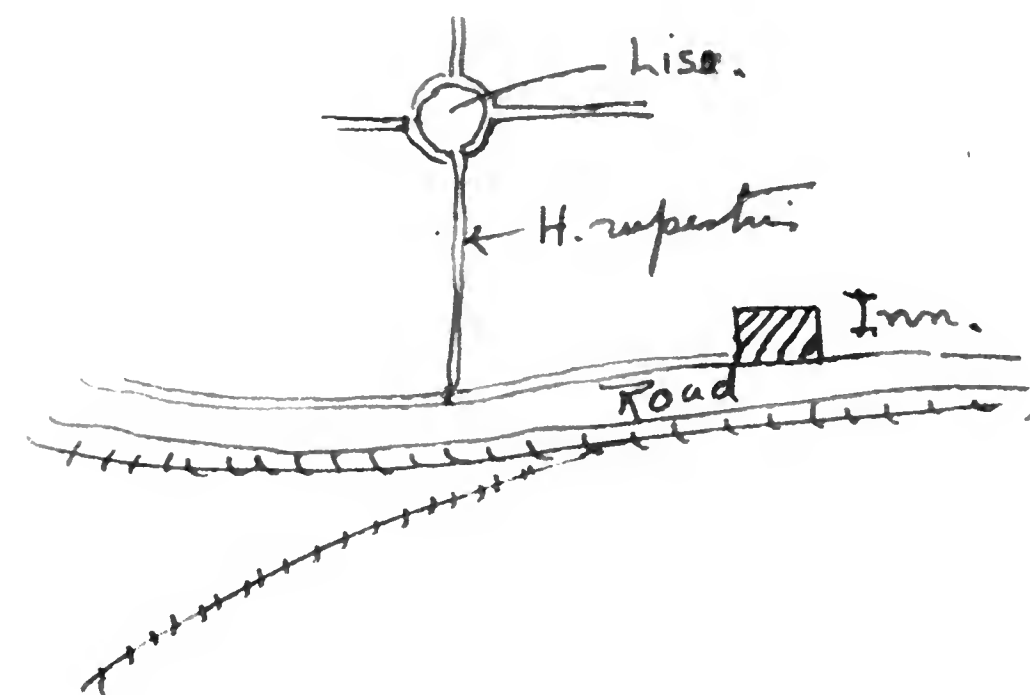
- Coch. lubrica*
- Carychium*
- Pupa anglica*

- Sphyrax edentata*
- Vertigo subtristata*

Castlejerry Junction, S. Kerry.
AWS & RW. 26.9.10.

- Limax maximus*
- Agrio. apertus*
- Hyalina nitidula*
- Helix rotundata*
- " *rupestris*
- " *rufescens*
- " *venusta*
- Coch. lubrica*
- Pupa cylindrica*
- Clavaria fidentata*
- Vertigo pygmaea*

all collected in fields below
Railway Station. The *Helix rupestris*
seemed only common on one portion
of an old walled wall, while
several other species were only
seen in the old Linn.



Maryborough, Queen's Co.
col. P.W. + P.A. Phillips. 28.9.10

- Milax cornubi
- Agriol. apertis
- Hyalinaria allieria
- Arion ater
- Helix retundata
- " rufopicta
- " virgata
- " intersepta
- " itala
- " pupura
- " pulchella
- " rufescens
- " aspersa
- " nemoralis
- " hortensis

Rare.

Common. One spec. 00300 litellala. This is
I believe the first record for
this bad formula in Ireland.

- Loch. lubrica
- Papa cylindrica
- " muscorum

- Cleaveli fiduciosa
- Lucina patina

One ledge with H. nemoralis + H. hortensis

Monasterevan, Kildare.
col. P.A. Phillips. 27.9.10.

Lemna maximum at base of walls of old Lanes, alongside dock.

- Agriol. apertis
- Vitrea pellucida
- Hyalinaria crystallina

" lucida. at base of walls with L. maximum.

" cellaria.
" nitidula sp. n.?

- Arion ater
- " hortensis
- " intermedia

- Helix retundata
- " rufopicta
- " virgata
- " intersepta

- " itala
- " pupura

- " lipida
- " rufescens
- " pulchella
- " aspersa

- " nemoralis
- " hortensis

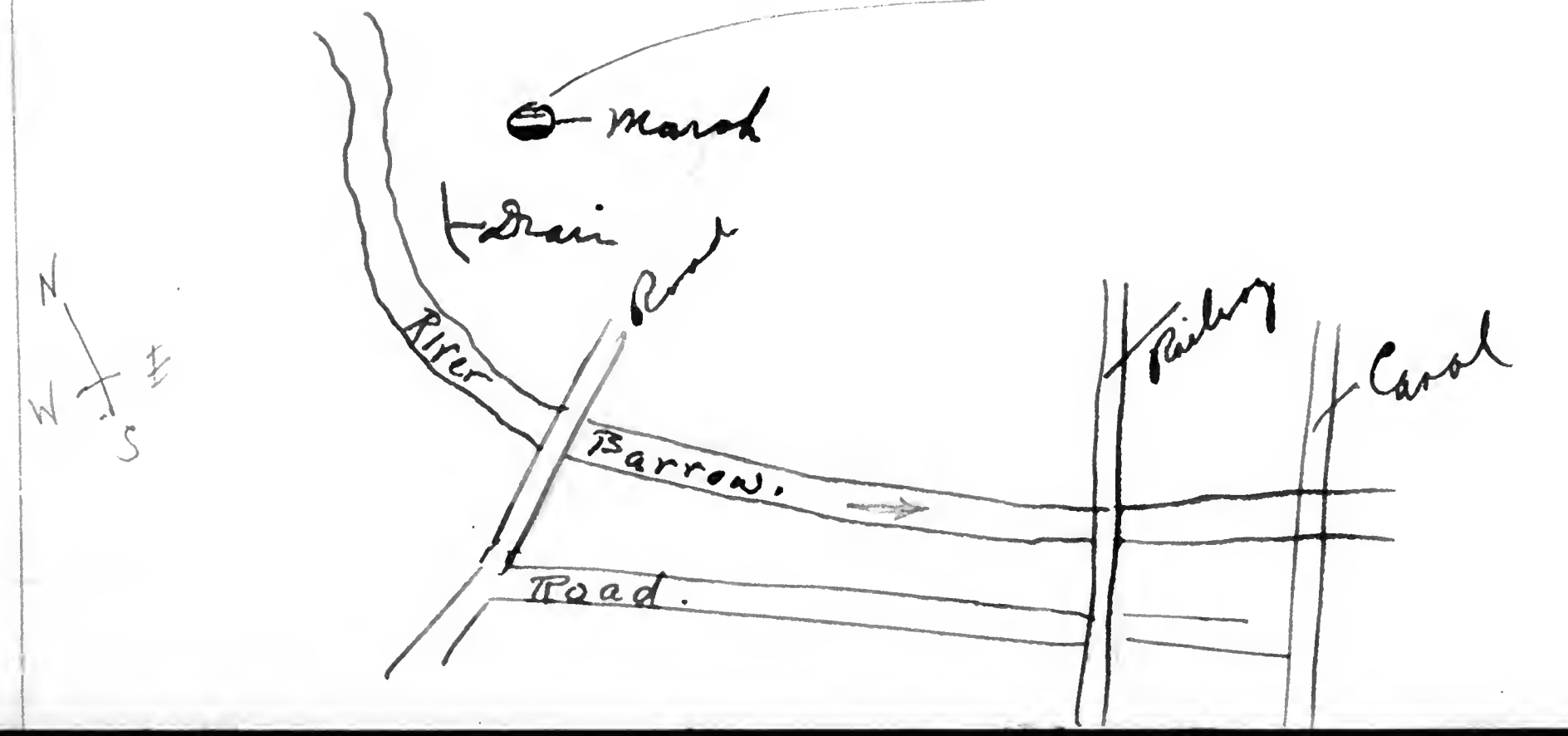
Monasterian continued

- Coch. lubrica.
- Purpura cylindrica
- Vestigo pygmaea
- Bolca perversa one dead specimen along canal.
- Clavilia fidatata
- Puccinea pflifferi
- Carychia mini
- Limnæa puzosii

" auricularia Several in canal at lock west of town. (On stonework of lock.)

- " palustris
- " truncatula
- " stephensii

Planorbis cornus In drain, rare, but very common in a large marshy pond in the middle of a field west of town (1.1 mile)



- Planorbis albus
- " carinata In pond at Ry. Bridge, Canal & River.
- " unilobata In drain with P. cornus.
- " spirorbis Var. lucostoma.
- " costata Very rare.

- Physa fontinalis
- Aplousia hypnorum
- Bythia tentaculata
- " leuckii.

- Valvata cristata
- " piscinalis
- Daphnia cornu.

" lacustris. a few dead shells beside a sick tree, 1/2 mile west of town, in canal, where we took several in Sept. 1906.

- Pisidium amicum Dead in River.
- " jussieuianum (272)
- " sulcatum
- " costatum

NB. I was mistaken H. Hill of Allan is not the Chain of Kildare, which is the plain

Newbridge + The Chain of Kildare.
Kildare. and. 29.9.10.

Collected on the "Chain" or as it is sometimes known
→ "The Hill of Allan"

The Hill is formed of old Red + Silurian rock rising from the Central Limestone plain + is covered with "bleas", "Rutae" + "Ostria" with grass + some rocks on summit.

My reason for visiting the locality was the desire to verify, if possible, the old record for *Helix pisana*. I found no *terrestris* on the Hill, but *H. itala* is common about 1 mile from its base on the road towards Newbridge.

Limox maximus In yard of old ruined farm on South side of "Hill"

Agriolimax agestis Summit of Hill.

Arion ater " "
" *lutescens* In farmyard.

" *praedator* " "
Hyalina cyathella Summit of Hill.

I have not yet visited
Newbridge, 10.

- Helix luteola* Summit of Hill
- " *lutescens* Common all over Hill, to very summit, in shells + fragments. Could this be the "*Helix pisana*" of ? No! and S. 1911 old record?
- " *pulchella* Farmyard.
- " *asperna* " " "
- Pupa cylindrica* Summit of Hill.

Feeder of Grand Canal South of Hill of Allan. and. 29.9.10. (carb. limestone)

- Agriolimax agestis* In fields below canal.
- Hyalina fulva* " "
- Helix pulchella* " "
- " *italica* Bank of canal.
- Coch. lubrica* In fields.
- Carychium* " "
- Vertigo pygmaea* " "
- " *arteretio* " "
- Succinea pfeifferi* " "
- Physa fontinalis* In canal.

Grand Canal, Hill of Allan, continued.

- Limnaea peregra*
- " *stagnalis*
- " *palaestina*
- " *truncatula*

Planorbis contorta In drain in field.

" *carinata*

Amphipeplea glutinosa Common in very center of canal crawling on the fine mud. I was enabled to reach it from a small foot-bridge which crosses the canal on the Newbridge side of the Hill of Allan. Water about 4 feet deep. Shells nearly full grown.

- Byth. tentaculata*
- Glycymeris communis*
- Pisidium*
- "
- "

B. No. B. leachii. to screen

273

Collected along roadside from Newbridge to Hill of Allan. Sept. 27-9. '10.

Agriostoma

arvum

Helix retundata

" *hispidula*

" *rufescens*

" *italica*

" *capitata*

" *virgata*

" *remorata*

" *hortensis*

" *asperosa*

" *rusticaria*

} Common at Newbridge.

One specimen in ledge at Station.

Very common.

Station.

END OF SEPT. TRIP 1910.

Hot-houses &c in Lord Annesley's Demesne
at Castlewellan, Co. Down.

A.W.S., R.W. & Miss H. Foster. 8.10.10

Agriolimax *caeris*? The queer slate-purple form common in many
conservatories.

Ariom. hortensis. In garden.

Hyalinaria lucida. Common in all hot-houses.

" *cellaria*. One spec. outside under top. Eaten by the
Hy. lucida on way home.

Helicodiscus lineatus. Common among yellow ornamental *Lycopodium*
in several hot-houses.

Helix rotundata. A few specimens in one house. Normal.

Futalina octona. In pot of *... ..* in one house only.
Seemed confined to the one plant (almost)

Cat. ...

Carychium *flavum*. Some found at Glenties. Small; dark animal
& of the teeth → (D)

Physa *contorta*. Common in several tanks.

Hyalinaria allianii Var. *viridula* (R.W.) at Og. Station.

Magheramorne. Co. Antrim

Collected in Quarry. A.W.S. & R.W. 29.10.10

Agriolimax *agrestis*

Ariom. ater

" *circumscriptus*

" *hortensis*

Hyalinaria cellaria

" *viridula*

Vitrina pellucida

Helix rotundata

" *hispida*

" *remorata*

" *capitata*

Coch. lubrica

Carychium *minim.*

Carychium *cylicum*. very large, with fine strong lips & teeth.

Vestigo pygmaea? One spec. but lost before identified.

Clavilix pidentata

Linnæa truncatula

Collected in cutting under trees on main Road
200 yards N. of Quarry.

Agriolimax *agrestis*

Ariom. ater

Magnamora continued

Ariem lortensis

" circumscriptus

Hyalina cellaria

" nitidula

" fulva.

Helix rotundata

" hispida

Coch. lubrica

Pupa cylindrica

" anglica Var. alta. Under ivy above small pool.

Clavicornis fideolata. Very abundant. 200 on one tree up to 6 ft. above ground.

Aene lineata. Under sunk stones.

(549)

collected on railway embankment next
small salt pool between road & railway.Hyalina nitidula Var. nitens. Very like south-eastern English spec.

Helix hispida.

" rufescens. a queer form.

" caespitosa. a small form.

" rugata. a very light spined form resembling Drafi.H. maritima from N.E. France.

Helix nemoralis. 00300 rufella.

N.B. all the shells collected on the railway, appear
to have been brought with Fallant
(see I. Nat. vol. 1. p. 33. 1906)

I think they all come from N.E. coast of France.
There are also introduced plants, woodlice &
probably other forms of animals.

Cliffs along south of Howth Head, Dublin
A.W.S. & P.W. 10.12.10

Aegis agrestis

Milo, rousbyi

Ariem ater

" rufescens? very doubtful. Probably brown form of A. circumscriptus

" circumscriptus

" lortensis

Vitrina pellucida

Hyalina cellaria (Ae)

" alliana Very common.

" nitidula

Howth continued

- Hyalina pura*
- " *crystallina*
- " *fulva*.
- Helix rotundata* Very large, high spired and common.
- " *aculeata* one spec.
- " *hispidula*
- " *nemoralis* ooooo, oo3oo + type *repella*.
- " *aspera* Dead.
- " *barbata* Dead.
- " *itala* Dead.
- " *virgata* Near Howth town. P.W.
- " *costata* one spec.
- Coch. lubrica* Not common.
- Pupa cylindrica*
- Clavicornia pidentata*.

—————
 Kilternan and The Scalp. Dublin
 A.S., P. Welch, P. G. Phillips and R. L. Praeger.

11-12-10

- Agriol. aperta*
- Linax arborea* Common in the woods at the Scalp. A pale form.
- Milax grayana* Several by roadside near Kilternan
- " *cowleyi* " " " " " "

- Arim. atra* Kilternan
- " *hortensis*
- " *circumscripta* "
- " *intermedia* The Scalp.
- Vitrea pellucida* Common everywhere.
- Hyalina cellana* Rare
- " *alliarum* Common at the Scalp.
- " *nitidula* Kilternan.
- " *van helmi* Common at the Scalp. Fine specimens.
- " *pura* The Scalp.
- " *crystallina* "
- Helix rotundata* Woodland form common at the Scalp. Traps at Kilternan.
- " *fulva* Common at the Scalp.
- " *hispidula* " " Kilternan. A few at the Scalp.
- " *rufescens* " " " "
- " *nemoralis* Both localities.
- " *hortensis* One var. *arenicola* at Kilternan.
- " *aspera* Kilternan
- " *virgata* "
- " *coarctata* "
- Sp. edentata* The Scalp. Several.
- Ena obscura* Kilternan, at base of walls along ditch.

The Scalp continued.

Coch. lubrica. not common.

Pupa muscorum Kiltarnan (P.A.O.)

" cylindrica. " common.

Blavida pidentata Common

Carychium minus common. Very large at The Scalp.

Bracon persura. Very abundant on wall from Carrickminn to Kiltarnan.

The Scalp and Enniskey, Wicklow.

and J., P.W., P.A.O., and P.L.P. 11-12-10.

Agria agrestis. Common.

Limnaea carbonaria. Woods between Scalp + Enniskey.

Meloboris sordidus. " " " "

Orion ater. " " " "

" subfuscus. " " " "

" intermedius. " " " " + in Glen at latter.

" luteiventris. Common

" circumscripta. Common.

Vitrea pellucida. Common

Hyalina cellaria. Rare. Enniskey.

Hyalina alleni. Common.

" nitidula. Frequent. in river

" pura. Rare.

" radiatula. A few specimens at Enniskey.

" crystallina. Woods.

" fulva. " "

Helix pygmaea. Along roadside (P.W. + P.A.O.)

" costata. " " " "

" rotundata. Common. Woodland form.

" hispida. " along roadside.

" rufescens. Frequent " " "

" aspersa. " " " "

" nigra. " " " "

" nemoralis. " " " "

" aspersa. " " " "

" Camellata. In woods along Cobstone River above Enniskey.

Sph. edentata. Along roadside. (P.W. + P.A.O.)

Ena brevis. " " " "

Lucina putris. " " " "

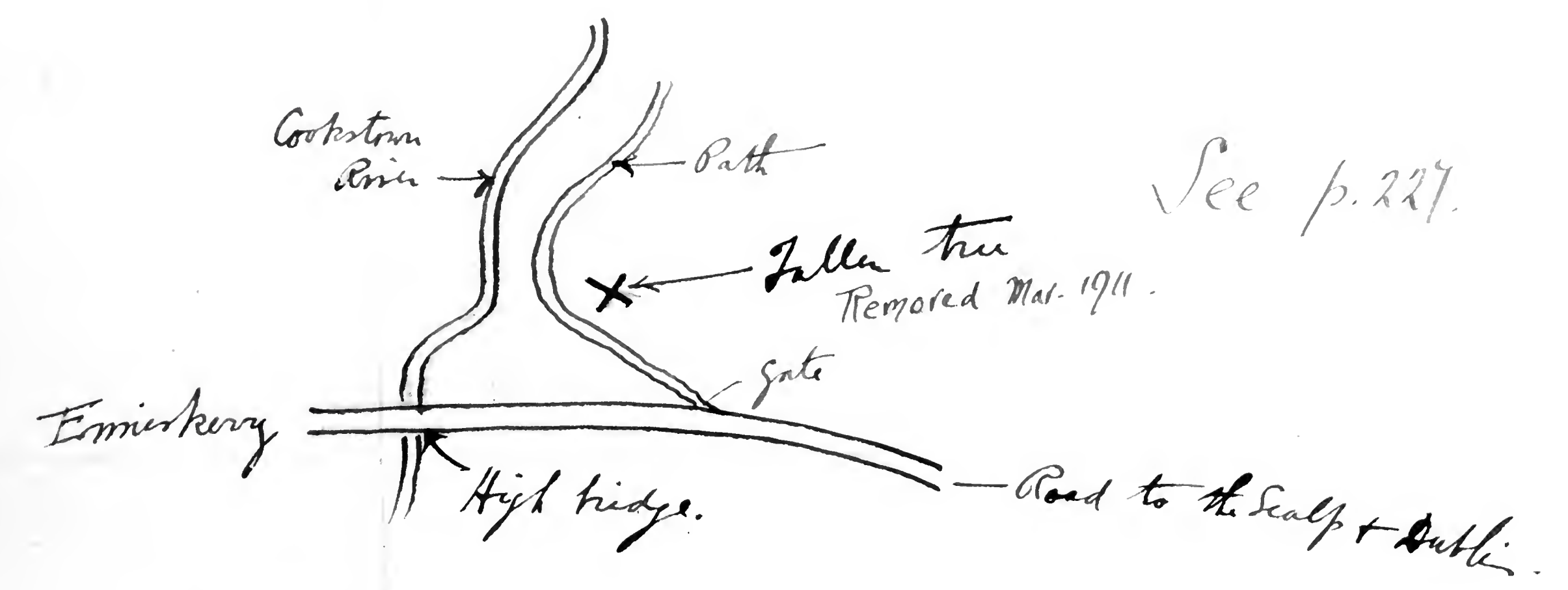
Vertigo pygmaea. " " " "

Pupa muscorum. " " " "

" cylindrica. Common.

Enniskey continued
 frequent.

Coch. tubicra
Carychia min
Glaucis fidulata
 " *laminata* One fine specimen under a pine log
 in woods along north bank of the
 Cookstown River above Enniskey &
 about 200 yds from main road.
 (See map) First record for east
 of Ireland.



Note.

H. asburtoni Spec. in Dublin Museum from Fernery collected
 by R. L. Brauer are labelled "Cliffs of Fernery, over-
 looking L. Enne".

Botanic Park, Belfast anti
 ASD + RW. 3-12-10.

Agris. laevis? Purple (introduced) form
 " *apertis* " *nativa*
Zonitoides minutula Common in many of the Lams.
Futulella octona Common.
Spean goodelli. Com.
Physa sp? In the lily tank of Fernery.

Killough to St John Pt, Down

aws & RW. 27. 12. 10.

(Also a few sp. from Downpatrick, awl.)

Agriolopha *aperta*.

" *laevis*. One spec.

Milax *gajates* (Also common at Downpatrick)

" *sowerbyi* Downpatrick only.

Limax *maximus*

" " "

Arim *ater* Var. reticulata very common near Coast G. St.

" *subfuscus*.

" *circumscriptus*.

Vitrina *pellucida*. St. John Point.

Hyalinia *cellaria*. St. John Church.

" *alliaris*. St. John Church.

" *pura*.

" *crystallina*.

Helix ~~*patet*~~

" *costata*. West of St. John Pt.

" *lispida*. Common. Also very abundant at Downpatrick

" *nemoralis*

" *hortensis*. In 1899 I took one (type) specimen of this shell below the water-works, in a hedge, at Downpatrick, but none were observed near the town today.

Helix *aspera*. Common. Especially near Light Ho. at St. John Pt.

" *rotundata*

Coch. *lubra*. Rare.

Pupa *cylindrica*

Vertigo *pygmaea* One specimen near C.G. Station.

Clausilia *fidiculata*

Succinea *pfuefferi* West of St. John Pt.

Limnaea *pergeri*.

" *palustris*.

" *truncatula*.

Glen Setaun Grogan town & Colli Glen.

Artin awl & RW. 31. 12. 10

Limax *maximus*

" *arborum*.

Agriolopha *aperta*

Arim *ater*

" *subfuscus*

" *intermedius*

" *hortensis*

" *circumscriptus*

B. The late J.C. Hyndman once found a spec. of *Vert. pusilla* in "Grogan's Glen". Neither Mr. Welch nor myself have ever been able to find another specimen.

Ballycraigy Bridge, 2 1/2 miles north of Larne
on an old road to Glenarm via Capin Castle Church.

Antrim. A.D.S. 24.12.10.

Hyalenia crystallina

Helix rupestris

" f

" pygmaea

" rotundata

Purpura cylindracea

Clavus fidestata

a few specimens on the parapet of the bridge
which is built of sandstone & chalk.

The cliffs (north) of Knockdu, Sallagh Brae.

Antrim. A.D.S. 24.12.10.

800-900 feet alt.

Agrion agestis Brown form.

Anisotoma

" *suffusum* Dark form.

" *circumscriptus*

Vitula pellucida

Hyalenia alliana

" *nitidula*

" *pura*.

" *crystallina*.

Helix rotundata

" *livida* Flat, with few hairs.

" *fusca*.

Purpura cylindracea.

Clavus fidestata.

Collected for me by F. Balgoun Brown Esq.
in the Marshes near Point of Air,
Isle of Man. 1.7.10

Limnaea pueya.

" *auricularis*

"

Planorbis alternus

Sphaerium cornu

Pisidium milium

" *subthumatum*

" *coarctatum*

" *pulchellum*

" *parvulum*

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END OF 1910.

Season 1911.

Crow Glen, Belfast. A.S. + Seymour
antrum. 500-600 feet alt. 19.2.11.

Limnaea maximus One very young specimen near Ligoniel.

Apis agrestis. Type + purple form.

Anisus ater Black + brown forms.

" *suffusus*

" *intermedius* type.

" *circumscriptus* Brown + grey forms.

Vitrina pellucida. Some animals ~~are~~ dark colored, but one quite pale.

Hyalina cellaria A few dead near Ligoniel.

" *allearia* Dead.

" *nitidula* Rare.

" *pura*. Common + fine. all type.

" *crystallina*. " " "

Helix hispida Small + light spines near Ligoniel, Mt. Lige + flat
= the Glen.

" *reflexum*. "Glencairn", in ledge. Much commoner than type.

" *memorabilis*

" *arbutorum* Two young alive + several dead shells in
mistle beds, below wire, in Glen.

" *rotundata*.

Crow Glen continued.

Pupa cylindrica

Clavella fidentata

Carychia mini

Acicula lineata Probably common, type + var. alba, in little
Glen above Wolf Hill mill, N.E. of Crow Glen.

Anagrus flaviventris Above Wolf Hill mill + Crow Glen.

Limonia peregrina In Crow Glen below weir. Some very like auricula
limonia stodgeryi!

Knockdhu + Fallagh Brae. 800-800 feet.
Ant. 28. 28. 2. 11

Agrio. apertus.

" laevis. Fallagh Brae. 700 feet alt. imperfect

Limonia artem Knockdhu, 1000 ft alt. var alpestris.

Arion ater

" fuscicornis

" intermedius.

Vitruva pallidula.

Hyalina alleni

" nitidula

" pura

" crystallina.

Fallagh Brae cont.

Eucorallus fulvus

Helix rotundata

" pygmaea?

" rufescens. Very common on chalk outcrop between
Knockdhu + Sawt Hill.

" lipida.

" nemoralis.

" arbutum. Dead shells seen - at least 12 different
places in the Brae. A few young alive.
all type.

" fusca. Knockdhu + S. Brae.

Carychia mini.

Pupa cylindrica

Clavella fidentata.

Hills Group, Down. Ant. R. Welch + N.H. Foster

Agrio laevis (?) In lot - Down. The usual purple form. 26. 2. 11

Arion lentiginos. Very black.

Hyalina rogersi B.B.W. A few living in the Lthest Linn with H. lineata

Helicodiscus lineata. A few in Lot - Down (R.W.)

Hyalina alleni + Hygrobia rufescens were seen in the garden.

Lagan Canal, 1st - 3rd locks, Antrim.
A.S. + J. W. Seymour. 4-3-11.

- Arim ater.
- " lortensis.
- Hyalina cellaria
- Helix retundata
- Cyathium
- Planorbis carinatus
- Physa fontinalis
- Limnaea pumila
- " palustris
- Sph. cornu.
- Byth. tentaculata
- Valvata cinctata
- Bisid. melis
- " parvill.?

N.B. There is still no sign
of Pal. janspinsi on the Antrim side
of the river, though it occurs on the
Down side also just lock.

(215) m...

Wolfe Hill Glen, Belfast, Antrim.
A.S. + N. Carrother. 11-3-11

- Agrio. apertus.
- " laevis.
- Arim suffusa.
- " lortensis.

Wolfe Hill Glen cont.

- Vitrea pellucida.
- Hyalina nitidula.
- " fusca.
- " crystallina.
- Helix retundata
- " limpidata
- " fusca. young sp.
- " aculeata. One specimen only.
- Pupa of limnaea
- Clavella fidentata
- Amygd. fluvialis
- Cyathium
- Acicula lineata. See p. 215.

Wolfe Hill, Belfast. 4-3-11
(Antrim.)

- Agrio. apertus
- Arim ater. young.
- " intermedium
- " fusca
- " lortensis
- Vitrea pellucida
- Hyalina cellaria

Upper Coler Glen, Belfast, Antrim.

and + RW. 18.3.11.

mainly about 400-500 feet alt.

Limnaea stagnalis. There were large patches of *Fegatella conica* evidently eaten by this slug.

Apis. aperta

" *laevis*. all rather pale.

Vitrea pellucida. The majority much smaller than in Croagh Glen. See p. 219.

Hyalina nitidula. Some very large dead shells, smaller ones common.

" *alliana* Var. *viridula*, fine specimens, under the bark of fallen trees. Type under *Fegatella conica* on rock face just above "The Fall".

" *pura*. Very abundant + fine. All type.

" *radiatula*. The only, var. *r-alta*.

" *crystallina*. Two distinct forms, the larger one more transparent + greenish.

Eucornuta fulva. Common.

Helix aculeata. Rare

" *lamellata*. Abundant in the upper reaches of the Glen.

" *rotundata*. Common.

" *turpida*. Abundant.

" *fuscata*. Everywhere, but mostly dead.

" *nemoralis*. Type + var. *rupella* ooooo.

Helix arbutorum Two full grown specimens not far above the entrance at the bridge, taken by Prof. George Vaughan.

Col. lubrica.

Carychium

Papaya

" *anglica* In upper reach of the Glen very common. Both pale + dark coloured varieties.

Sph. edentula Abundant. Two forms.

Clausilia bidentata

Ancilla lineata. Very common on right hand side of stream between "The Fall" + "The Gorge".

Limnaea truncatula In marsh near entrance above bridge.

Neither *Mr. Welch* nor myself have ever seen *Vertigo parvella* or *Vertigo parvella* in the same neighbourhood at "Grogan's Glen" evidently the little *Coler* part of Coler. See p. 211.

Hillhall Glen, 1 1/2 miles S. of Dumbo.
Down, Aust. 26-3-11

- Limax arboreus*
- Agriolimax agrestis*
- Arion subfuscus*
- " *circumscriptus*
- Vitrea pellucida*
- Hyalina cellaria* a few dead shells.
- " *alliana* Var. *viridula*.
- " *pura*.
- " *cystellina*
- Helix rotundata*
- Boh. lubrica* Greenish var.
- Carychium minus*
- Clausilia plicatella*
- Ancylus fluviatilis*

Kinross, Holywood, Down, Aust + F.B.S.
27-3-11

- Aplousia typica*
- Plectambonites spanghi* M. *leucostoma*
- " *unifilicosta*
- Limnaea peregrina* M. *acuminata*?
- Limnaea truncatula*
- Pisidium*

(216)

Easter Trip 1910.

Bray to Enniskerry, Wicklow. Aust. 30-3-11
alt 10-250 feet.

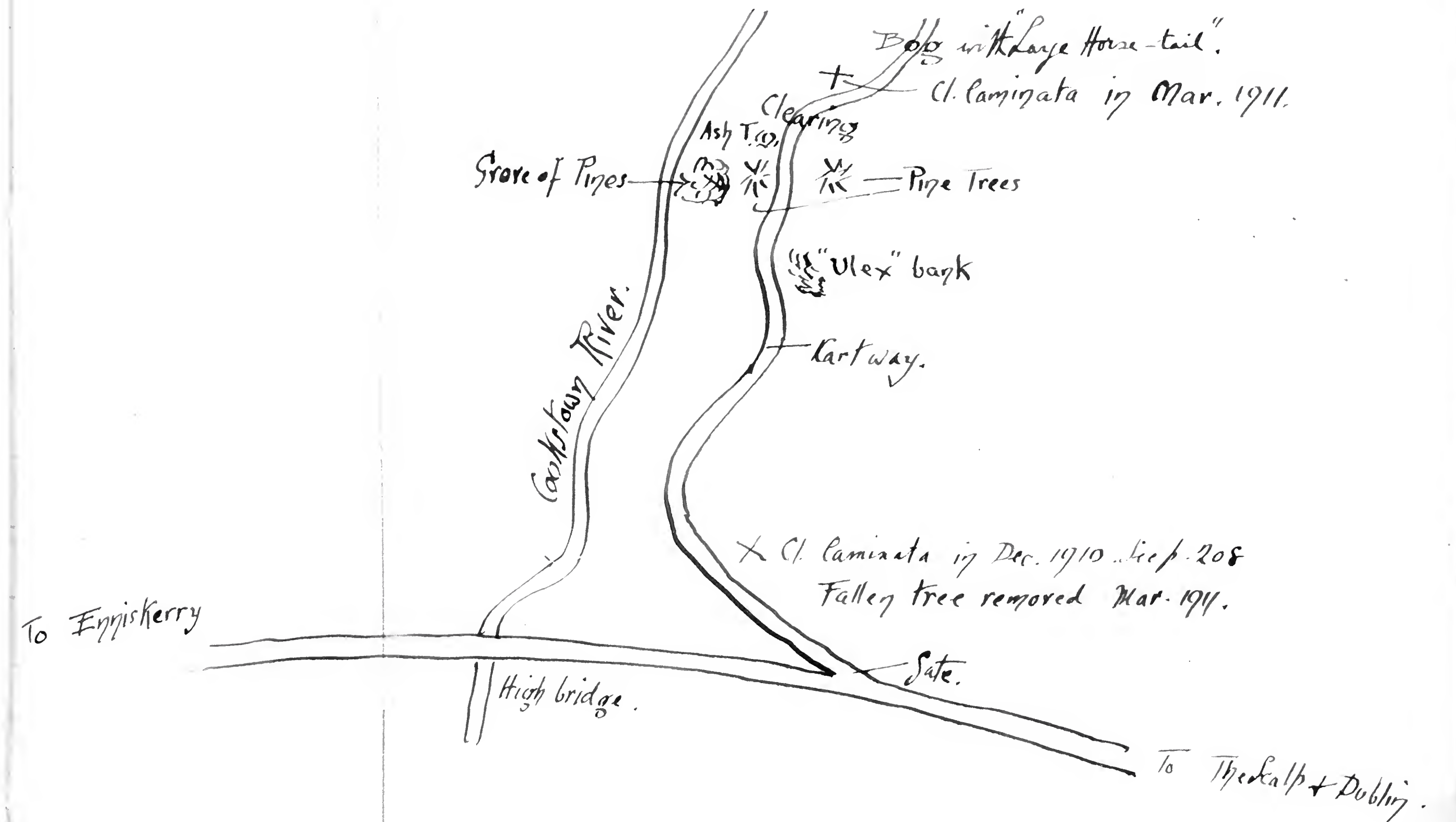
- Agriolimax agrestis* Common.
- " *laevis* Very pale specimen in Enniskerry Woods.
- Limax arboreus*
- " *circumscriptus* a small & slender slug in colour resembling *laevis* but in shape nearer to *tenellus*, with dark blue tentacles.
- " *laevis* in woods above Enniskerry.

- Milax sarraceni* Very large & abundant by roadside near Bray.
- Arion ater* Mainly young & all specimens much striped.
- " *subfuscus* Enniskerry.
- " *latens* Common.
- " *circumscriptus* Common.
- " *intermedius* Enniskerry Woods, rare.
- Vitrea pellucida* Common - dead.
- Hyalina lucida* Very common by roadside near Bray.
- " *cellaria* Common.
- " *alliana* Enniskerry.
- " *viridula* Not many means abundant.
- " *pura* Enniskerry.

Bray & Enniskerry continued

- Hyalix cyathella* Common at Enniskerry.
- " *falsa*. Enniskerry.
- Helix pygmaea*. Enniskerry.
- " *livida* Common.
- " *rufescens* Common at Bray. (+ roadside above Enniskerry in 1st ap. 1911)
- " *aspera*. Bray.
- " *remouli*. Common. Retilla ooooo in Enniskerry woods.
- " *lutea* Type dead in Enniskerry woods.
- " *retundata* Common.
- " *intersecta* Bray.
- " *fulva*. "
- " *fusca*. In damp turf ground near Farraroe.
- Coch. lubrica*. Abundant.
- Cyath. minima* Common.
- Pupa anglica* Local. Common in Enniskerry woods.
- " *cylindrica* Common
- Clavella fidentata* Common
- " *laminata* Nine specimens in glen of the Corkstone Riv. above Enniskerry near spot where I took a single shell in Dec. 1910
See pp. 208 + off.

- Ena obscura* Several dead in Enniskerry woods.
- Lucina patris* One dead in Enniskerry woods.
NB. The shell in this district appears found of strange habits.
- Acicula lineata* Two specimens near Farraroe. Probably common.
- Linnæa pumila* } F.B. Browne in Calary Bog at 925 ft. alt.
- Pisidium* } 217



The Murrough of Wicklow from Kilcoole to Bray Head.
Wicklow, a.s.d. 31-3-11.

- Limonax maximus*. Rathdown Castle.
- " *arborum*. Very common all over Bray Head. a few from.
- Agrius apertus*.
- Melipotis fagalis*. Upon the summit of Bray Head.
- Arion ater*
- " *subfuscus*
- " *lutescens*
- " *circumscriptus*
- Vitrea pellucida*. Several dead.
- Hyalina cellaria*. Rathdown + Bray Head.
- " *nitidula*. Frequent.
- " *crystallina*. Bray Head.
- Helix retundata*. Rathdown + Bray Head.
- " *pulchella*. Bray Head. Common upon the summit
- " *lipida*. Common.
- " *reflexa*. Frequent near habitations.
- " *aspera*. In enormous quantities. Some very small shells.
- " *remorata*. Common on Bray Head, but very very rare elsewhere.
- " *itala*. South of freestone along the railway for about 100 yds only.

- Helix varjata*. In millions. Mostly dead.
- " *farbata*. Very abundant. Many types + *var. nigra*.
- " *intersecta*. One specimen of the large variety for sale, but the small banded variety more common.
- Blasius identata*
- Coch. lubrica*
- Pezomachus*
- Vertigo pygmaea*. Only one specimen seen all day. Bray Head.
- Succinea Pfeifferi*. Common.
- Limnaea peregrina*. Common.
- " *palustris*. Kilcoole.
- " *truncatula*. Common.
- Physa fontinalis*. Kilcoole. Rare.
- Aplexa hypnum*. Common.
- Planorbis spirorbis*. "
- " *ovata*. Kilcoole.
- Valvata pinnata*. Frequent.
- " *curvata*. Kilcoole.
- Pal. stagnalis*. Common in trampled parts of the marsh.
- Ph. corvum* + *Ph. caucasia*. One dead valve only of latter.
- Orthis otus*
- " *parvula*
- " *subtruncata*
- " *ovata*

S. caucasia recorded in
quite correct.
A.W.S. March, 1911

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Lough Bray Kippure District
Wicklow. Aug. 1-4-11.

Nothing found in L. Bray - itself.

- Arion intermedius* Common up to 1525 feet.
- " *circumscriptus* a few at 1200 feet.
- Limax arvensis* at 1525 feet.
- Helix retundata*. The only species of shell seen. 1525 feet.

Time did not permit of the cliffs west of the lake being examined, but they did not look too promising. Aug. 5.

Glenmacnas at 700ft. alt. Wicklow
Aug. 1-4-11

- Agrius agrestis*
- Arion intermedius*
- " *circumscriptus*
- Hyalina allicaria*
- " *pura*.
- " *crystallina*
- Helix retundata*

Should report further work. The weather was cold & dry.

Berry Farm Woods near Lorragh. Wicklow
alt. 410 feet. Aug. 1-4-11

- Hyalina allicaria*
- Zonitoides excavatus*. all var. *viridula*. First record for Wicklow, when the species was (according to Schauff) not to be found. Probably common at this (the right) season. Schauff always collected in the summer.

- Limax arvensis*
- Helix retundata*

Glen at Copse House near Rathdown
Wicklow. Aug. 2-4-11

- Agrius agrestis*.
- Hyalina pura*.
- " *crystallina*.
- " *fulva*.
- Helix lamellata*.
- " *retundata*.
- " *nemoralis*.
- Pupa arctica*.
- " *glaberrima*.
- Acicula lineata*.

Should report further work. 3/4 of a mile from Rathdown on left of road to Glendalough.

Wicklow district. Aug 2. 4. 11

Route followed Rathdu - Tullylish -
Castletimon Church, Maghera, Wicklow
+

- Agrio. apertis.*
- " *laevis.* Maghera.
- Arion ater*
- " *suffusus* Maghera.
- " *circumscriptus*
- " *hortensis*
- Melax sordidus* Castletimon Church.
- Vitricina pallidula*
- Hyalina cellaria.*
- " *nitidula* Castletimon Ch.
- " *allearia* Tullylish Woods.
- " *crystallina*
- " *fulva.*
- Helix aspersa.* Maghera.
- " *remoralis* "
- " *fulva.* "
- " *hispida.* " + Castletimon
- " *asperum.* "
- " *rotundata.*

Coch. lubrica.
Clavaria fidistata Maghera.

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Pupa cylindrica
Carychis mini

Pal. jenkinsi Taken = quantity by F. B. Brown = The
Broad Lough at Wicklow. +

Apleta Lyman Maghera.

Planorbis spunk " "

Pisid " (280)

Valley below Railway Station at Rathdu
Wicklow. Aug 3. 4. 11.

Agrio. apertis.

Arion hortensis

" *intermedius*

Hyalina pura.

" *crystallina*

" *fulva.*

Helix rotundata

" *hispida*

" *lanellata*

" *hortensis*

In old scrub across river.

In ditch across river. Several types + one 00300
cellularis. The second best specimen of this form found.

+ Sep. 1912

Rathdrum continued

- Coch. lubrica*
- Clausilia identata*
- Pupa cylindrica*
- Angitia flaviventris*

South of Arklow. Wicklow.
A.S. 3.4.11

1. Marshy Pool 1 mile south of station.
2. Marsh north of Boundary Bridge.
3. Sand dune south of Arklow.

- Cyris apertus* 2.
- Ariom hortensis* 2.
- " *suffusus* 2.
- Hyalina alliana* 2.
- " *cellaria* 2.
- Helix rotundata* 2.
- " *pygmaea* 2.
- " *neuralis* 2.
- " *aspersa* 2+3
- " *italica* 3
- " *pubera* 3


- Vertigo substriata* 2
- " *antivertigo* 2.
- Limnaea peregra* 1, 2+3
- " *palustris* 1, 2+3.
- " *truncatula* 2.
- Physa fontinalis* 2.
- Aplexa hypnorum* 1, 2+3
- Planorbis alternus* 2+3
- " *fontana* 2
- " *crista* 2+3
- " *spinosa* 1, 2+3
- Pisidium* 1+2.

280A

North Anklew. Wicklow. Aug. 4. 11

- 1. *Maghna duna*. See p. 232.
- 2. Brittas Bay Marsh.
- 3. Brittas Bridge Old Mill.
- 4. Kilcarra Woods near Worden Bridge.

- Agriol. aperti*.
- " *laevis*. 3.
- Milax papata*. Ballycapple near Rathdrum. (passed on route to Maghna)
- Arion ater*
- " *suffusus*
- " *hateris*
- " *intermedius* 4.
- " *circumscriptus*
- Hyalina allana* 3.
- " *alliana* 4.
- " *nitidula* 4.
- " *pura* 3+4.
- " *radiatula* 4 (?)
- " *crystallina* 3+4.
- " *fulva*. 2.
- Lim. succorata* 4. (See remarks on p. 231) Var. *viridula*.

- Helix retundata*
- " *camellata* 4.
- " *fulva*. 4.
- " *nemoralis* 2.
- " *aspera*. 2.
- " *itala* 2.
- " *fulva*. 2.
- " *intersecta* 2.
- " *livida* 2+3
- " *rufescens* 2
- " *fulvella* 2. In shell pocket.
- Coch. lubrica*. 2+3.
- Carychium minus* 2+3.
- Pupa muscorum* 2. In shell pockets.
- " *cylindrica* 2+3.
- Vertigo antevortyx*. 2.
- " *pygmaea*. 2.
- Clausilia pidentata* 2+3. At Brittas Mill some very fat specimen, with purple lip & mouth were taken by me. Several of these had two teeth - 
- Succinea putris* 3 by the tail-race.

North Arklow continued -

- Limnaea puzosii*
- " *palustris*
- " *truncatula* 2.
- Physa fontinalis* 2.
- Aplousia hypnorum*
- Planorbis fontana*
- " *cristata*
- " *spirorbis*
- Valvata cristata*
- Sphaerium cornu*
- Pisidium*

also one small *C. b. ...*

281. ? from ...

District North of Wexford Town.

ad. 5.4.11

1. St. Clement's Church & pools near Carraghloe
2. Coast east of Carraghloe
3. Ruins of house between C. + Castlebridge
4. Environs of Castlebridge.

at leastly well
done with gate from
east

North Wexford.

- Limnaea artem* 3.
- " *maxima* 3.
- Milax roborhygi* 3.
- Agriolimax agrestis*
- " *laevis* 4.
- Arion ater*
- " *suffusus*
- " *intermedius* 3.
- " *hortensis* 4.
- " *circumscriptus* 3+4.
- Hyalina lucida* 4.
- " *cellaria* 3+4.
- " *nitidula* 3+4.
- Helix pygmaea* 4.
- " *retundata* 3+4.
- " *palustris* 4. Dead.
- " *leopolda* 3+4.
- " *capitata* 4.
- " *virgata* 2.
- " *fontana* 2.
- " *aspera* 1, 2, 3+4.
- " *remota* 1+4.
- " *hortensis* 1+3

North Sea prod continued.

- Cochlicopa lubrica 1, 3 + 4
- Carychi min 3 + 4.
- Clausilia fidentata 3 + 4.
- Purpura glabra
- Vertigo pygmaea 1.
- " antiveretigo 4.
- Succinea patula 4.
- Limnaea puzosii 1, 2, 3 + 4.
- " palustris 1, 2 + 3.
- " truncatula 3 + 4.
- " stagnalis First record for WX. Taken by J. Balfour Brown in one of the many pools near Lough Doe north of Carraghloe. Sep. 24. 4.
- Aplecta hypnum 4.
- Physa fontinalis 2.
- Planorbis albus 2. F.B.B.
- " spirorbis 1 + 2.
- " crista 2. F.B.B.
- " fontana 2.
- Physa cornu 2. F.B.B.
- Pal. jenkinsi 4.

Also Pisidium subtruncat²
 " costatum
 " pusillum
 " obtusum
 " parvum

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Bridgetown, Ballyteige Bay, Duxford
 (cont. 6.4.11)

- Limnaea max.
- Physa apertis.
- " levii.
- Melampus
- Ancillaria
- " intermedia
- " hortensis
- " circumscripta
- Vitrina pellucida
- Hyalina allouvi
- " allouvi
- " nitidula
- " radiatula
- " cyathula
- " pulchra
- Physa nitida
- Helix pulchella
- " rotundata
- " hispida
- " rufescens 1 dead specimen near Station
- " intermedia
- " rugata

Bridgetown continued

- Helix puzosii
- " nemoralis
- " aspersa
- Coch. lubrica
- Carychium
- Pupa cylindrica
- Vertigo pygmaea
- Clausilia plicatula
- Balca perversa
- Succinea patula
- " pfeifferi
- Limnaea peregrina
- " auricularia
- " palustris
- " truncatula
- Physa fontinalis
- Aplousia typica
- Plectambonites albus
- " spirorbis
- " contracta

Var. acuta. First record for W.I.
 Common in many pools west of
 station (1/4 mile & 1 mile)

- Pal. penkinsi
- Valvata piscinalis
- Pisidium milium



Doo Lough, Glenbough near
 Wexford (7 miles N)
 Oct. 7.4.11

- Limnaea stagnalis
- Aplousia apertus
- Arimaeta
- " intermedia
- Helix nemoralis
- " rotundata
- " hispida
- Limnaea stagnalis

Handwritten notes:
 The lake is
 in the
 hills

Taken in same lake as the I.B.B. to which
 on 5th inst. see p. 241. and also in a great
 deep "hole" further east. See map on
 next page.

Doo Lough continued.

Lima pum
a *palustri*

Pisitia castra

probably the terminal moraine
of high sea level

W. H. C.

28 S - mark hole
28 SA - mark hole

W. H. C. Doo.

River Slane

W. H. C.

Wexford Harbour

Near Macminn + Killarney, Slaney Valley
Wexford. a.s.d. 7-4-11

- Lima arbrun*
- Apis. aperti*
- Arim ata*
- " *suffusa*
- " *hortensis*
- " *circumscripta*
- Hyaliniella*
- " *crystallina*
- Helix fusca*
- " *leipida*
- " *memorata*
- " *aculeata*
- Pispa anglica*
- " *cylindrica*

Slaney District continued. a.s.d. + P. H. Philp.
8-4-11

- Lima arbrun*
- " *maxima*
- Apis. aperti*
- " *laevi*

Killurri Continued

Arcin ata

" *suffusum*

" *intermedia*

" *luteum*

" *circumscriptum* = *jasuatum*.

Vitrina pellucida

Hyalina lucida

" *cellaris*

" *nitidula*

" *alliana*

" *pura*

" *crystallina*

" *fulva*

Im. nitida

Helix retundata

" *pulexella*

" *lucellata*

" *fusca*

" *tripida*

" *rupum*

" *hemorhina*

" *luteum*

" *asperum*

By cottage on railway at Killurri Station

R.A.P. one var *hybrida*.

Balea pumila

Coch. lubrica

Carychium

Clausilia identata

Pupa anglica

" *cylindrica*

Sph. edentata

Vertigo antitortosa

Aene lineata

It was in damp part of Dy cutting south of Killurri. Almost associated with *Pal. jenkinsi*. First record for Westford.

With *A. lineata*

Angla flavitela

Limnaea palustris

" *truncatula*

Succinea putres

" *spiffeni*

Pal. jenkinsi

Common on the wet faces of the rock in railway cutting south of Killurri with *A. flavitela*.

Ardcaran, district north of Wexford Harbour
Wexford. ASD + R.A.P. 9.4.11

Limax maximus

" *arbutum*

Agriolimax agrestis

" *caeris*

Milax fagata. Flat colour.

" *ornata*. With very bright yellow feet.

Arion ater

" *suffusus*

" *intermedius*

" *hortensis* In graveyard.

" *circumscriptus*

Vitrina pellucida

Hydrobia edentula

Hydrobia lucida Round old buildings by quays.

" *cellaria*

" *alliana*

" *nitidula*

" *radiatula*

" *crystallina*

Forn. nitida

Helix pygmaea

Helix rotundata

" *pulchella*

" *lispida*

" *rufescens* By the quays.

" *aspera*

" *memorata*

" *barbata*

" *virgata*

" *capitata* R.A.P.

Coch. lubrica

Carychium

Pupa glabra

" *marum*

Vertigo pygmaea

" *antivertigo*

Clausilia bidentata

Puccinia Pfeifferi

Lemnaea pumila

" *auriculata*

" *truncatula*

Aplutea pygmaea

Many dead in refuse from cleared drains

Andover, Weymouth continued.

- Planorbis spirorbis*
- Paludata pisumali*
- Pal. jacobini*
- " *stagnalis*
- Pisidium*

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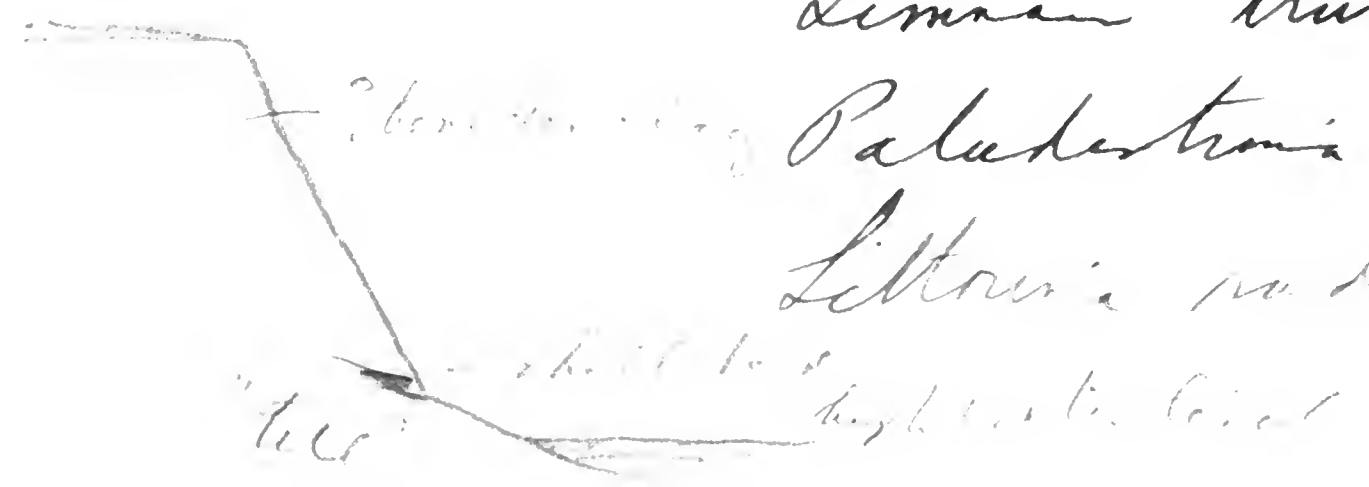
In theoulder clay cliff north of the ferry from Weymouth are numerous deposits with brackish water & land shells - such as one would expect to find in a "salt marsh". Whether these are pre-glacial, post-glacial or inter-glacial I cannot say. The deposits were first noticed some time ago by my friend R. A. Phillip. They may be due to theoulder-clay slipping over a sandy spot in recent times.

The following species were obtained from the deposit: -

- Hyalina cellaria*
- " *nitidula*
- " *radiatula*
- Helix hispida*
- " *nemorali*
- Coch. lubrica*
- Onchospira cylindrica*
- " *muscorum*

also

- Succinea Pfeifferi*
- Limnaea truncatula*
- Paludostoma stagnalis*
- Littorina rubra*



+ *Turricella* and *Litt. rudis* (N.F.M. Milner 29.8.1962).
Marsh south of Weymouth Town.
Aug. 10.4.11

- Milax papata*
- " *soverfyi*
- Agriol. agrestis*
- " *laevi*
- Arion subfuscus*
- " *intermedius*
- " *luteus*
- " *circumscriptus*
- Hyalina lucida*
- " *cellaria*
- " *nitidula*

type of *stagnalis* form

Waterford Town continued.

- Helix stansfeldi
- " leipida
- " rufescens
- " nemoralis
- " aspersa
- " pulchella
- Coch. lubrica
- Cyprina minima
- Purpura cylindrica
- Clausilia viduata
- Succinea putris
- " pfeifferi
- Limnaea peregrina
- " palustris
- " truncatula
- Physa fontinalis
- Planorbis spirorbis
- " umbilicata
- Boett. tentaculata
- Pal. jenkinsi
- " confusa

In very small pools, among reeds, covered at high tide (R.A.P. Latitot)

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- Pisidium subtruncatum
- " obtusale
- " mileium
- " pusillum

Identified by B.B. Woodward
in March 1913.

Bank of River Suir near Grangy Ferry
(Opp. Waterford Town). Kilkenny.
A.S.D. 10.4.11.

- Limnaea artem
- " maxim
- Milax roosei
- Aegis. apert
- " laevis
- Arion ater
- " subfuscus
- " intermedius
- " hortensis
- " circumscriptus
- Hydrobia laevis
- " cellaria
- " nitidula
- " munita
- " pura
- " crystallina
- Helix distans
- " leipida
- " rufescens
- " aspersa

Also in flood refuse in field.
 Zoni. nitidula
 Helix pypmooa
 " pulchella (type of A.S.K. 21) / correct 1924
 Vertigo antonutis
 " pypmooa
 " subtruncata
 Cyprina minima
 Purpura angulata

Suir Estuary continued

- Helix rugata*
- " *intersecta*
- " *fulva*
- Coch. lubrica*
- Carychi min.*
- Camp. glandina* + *P. anglica*: Sep. 254
- Clausilia pidentata*
- Vertigo antientis* + *V. substriata*
- Succinea Pfeifferi* + *V. pygmaea*: Sep. 254.
- Limnaea peregrina*
- " *palustris*
- " *truncatula*
- Aplousia hypnorum*
- Planorbis spirorbis*
- " *umbilicatus*
- Bitt. tentaculata*
- Pal. jenkinsi*
- Pisidia*

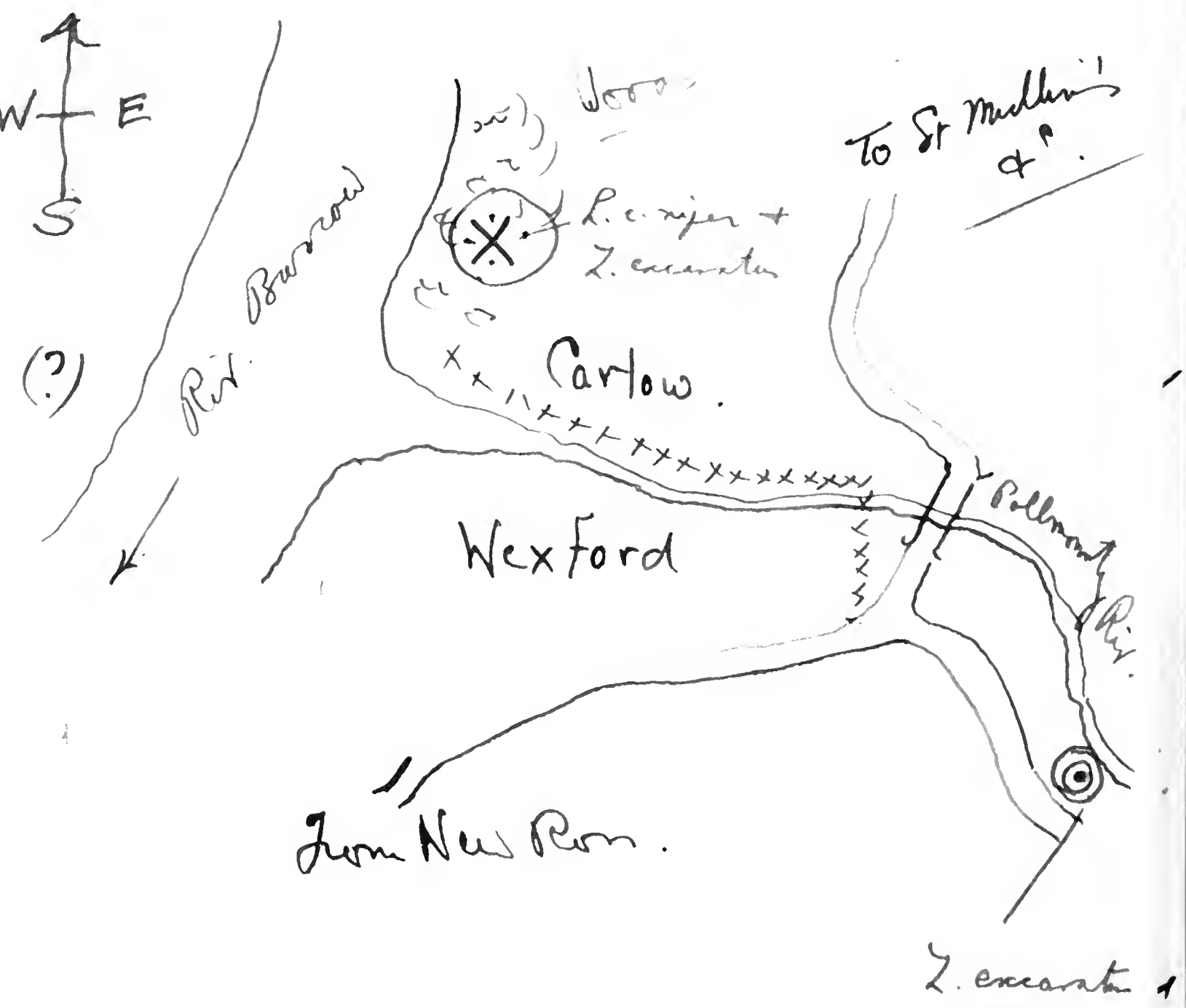
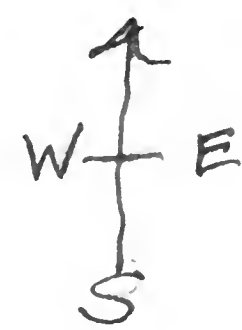
Collected at Rosbrann, opposite New Ross. 11.4.11 Killenny and P.A.C.

Hy. crystallina
Helix rufipila
Succinea Pfeifferi
Planorbis armatus dead.
Paludotina confusa



Woods near Pollmounty (Barrow Valley) Carlow
Aug. 11.4.11.

- Agriol. aperta*
- " *laevis*
- Limnaea stagnalis*
- " *marina*
- " *conspicua* (?) Var. *ledleyi* (?)
- Arion ater*
- " *saffordii*
- " *intermedius*
- Vitrea pellucida*
- Hydrobia cellaria*
- " *alliana*
- " *nitidula*
- " *radiata*
- " *pura*
- " *crystallina*
- " *fulva*
- Fm. excavata* Var. *vitrea*, first Conn. record. Taken in woods at (-X-)
- Sph. edentata*
- Helix rotundata*
- " *livida*
- " *palustris*



Var. *vitrea*, first Conn. record. Taken in woods at (-X-)

Pollmounty, Carlow, continued.

- Helix nemoralis*
- " *aspera*.
- Coch. lubrica*
- Carychium*
- Clausilia pidentata*
- Pupa cylindracea*
- Vertigo pygmaea*
- Fuccinea putris*
- " *psiffieri*
- Limnaea peregra*
- " *palustris*
- " *truncatula*
- Planorbis contracta* Dead.
- Pal. jenkinsi*
- Boett. tentaculata* Dead.

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Pollmounty, Wexford. and 11.4.11

- Agriol. apertus*
- Limnaea*
- Ariom. a. ten.*
- " *diffusa*
- " *intermedia*
- " *circumscripta*
- Hydrobia ulvae*
- " *nitidula*
- " *alleans*
- " *purpurea*
- " *crystallina*
- " *fulva*
- Im. excavata*
- Helix sturdati*
- " *livida*
- " *refusa*
- " *nemoralis*
- Coch. lubrica*
- Carychium*
- Clausilia pidentata*
- Pupa cylindracea*

Var. ^{vitrina} ~~reticulata~~. Taken along River Bank at (C) See p. 256.

Two miles north of ^{New Ross} Wexford (not at Pollmounty)

Pollmounty, Desford continued

- Sph. edentula*
- Luccinea palus*
- " *Spiciferi*
- Limnaea puzosii*
- " *palustris*
- " *truncatula*
- Pal. confusa* Dead.
- " *jeffreysi* "
- Bith. tentaculata*

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Bagenalstown Station, Carlow. A.S.

12.4.11

- Apis. aperti*
- Anis. ater*
- " *hortensis*
- " *circumscriptus*
- Hyalina cellaria*
- Helix itala*
- " *stunbata*
- " *reflexa*
- " *hemorhoidalis*
- " *aspera*
- Pupa glabra*, *Vertigo pygmaea* & *A. pidentata*?

Borris Valley, St Mullin, - Borris, Carlow. A.S. 12.4.11.

- Apis. aperti*
- " *laevi*
- Limnaea* *maxima*
- Anis. ater*
- " *suffusa*
- " *intermedia*
- Hyalina laticosta* (The dead shell - canal at Tinnahinch. Not recorded latterly for Carlow.)
- " *cellaria*
- " *nitidula*
- " *radiatula*
- " *purpurea*
- " *crystallina*
- " *fulva*
- Im. nitida*
- Helix pygmaea*
- " *stunbata*
- " *lamellata*
- " *purpurea* O.P.A.P.
- " *hemorhoidalis*
- " *aspera*

Some verified by O.P.A.P.

Barron Valley, continued

Helix pulchella {Both *pulchella* & *caerulescens* occur in this day's collecting: probably they came from different places, as I collected in many places in the S.S. of the } In quarry near Tinianahich, R.A.P.

" *capitata*

" *itala*

" *virgata*

" *pubera*

Coch. lubrica

Carychi

Pupa anglica R.A.P.

" *cylindrica*

Vertigo antiserotus

" *moulinsiana* In R.A.P.'s habitat near Tinianahich

" *substriata* R.A.P.

Clavus identus

Succinea patina

" *officinalis*

Limnaea puzosii

" *auricularis*

" *stagnalis*

" *palustris*

" *truncatula*

Aplousia hypnorum

Physa fontinalis

Angulus fluvialis

Planorbis carinatus

" *umblicatus*

" *spiralis*

" *altus*

" *cristata* Dead - in drift. First record for Carlsw.

" *contorta*

Bith. tentaculata

" *leachi* Common at Tinianahich.

Valvata cristata

" *pirivalis*

Pal. confusa In millions in little pools on low-path bank, covered at full tide, with minute specimens of *Pl. spiralis* & *Proidea*.

Veritina fluv. Common at St. Mullin on stone in river.

Sph. cornu & *Sph. lacustris* on Callin-corn.

Pisidium annu *Pisidia* 288) In the same pool with *Palicourea*

" *sulphurea* 289) In the same pool.

" *concolor* 290) In the same pool.

" 291) In the same pool.

" 292) In the same pool.

Acicula lineata In water 1 mile south of Tinianahich. (Splendid ground, New Record for Carlsw.)

Royal Canal at Fern's Lock, Meath
and. 13.4.11

- Lima naevia*
- Aprio. apertis*
- Arion ater*
- " *suffusus*
- " *hortensii*
- Hyalina cellaria*
- " *nitidula*
- " *crystallina*
- Helix sturrocki*
- " *hiopida*
- " *rufescens*
- " *nemorali*
- " *hortensii*
- " *aspera*
- " *itala*
- Coch. lubrica*
- Clausilia kidwelli*
- Succinea Pfeifferi*
- Limnaea puzosii*
- " *palustris*
- " *stagnalis*
- " *truncatula*

- Amphi. glutinosa*
- Physa fontinalis*
- Planorbis contorta*
- " *carinata*
- Valvata cristata*
- " *paucicostata*
- Bith. tectulata*

Leachii. Fairly common ~~at~~ ^{below} Fern's Lock but appeared rarer above the lock. This is interesting as there is no sign of this shell at Mullingar - not met on the same canal. *St. rufus* is common at Mullingar but none seen here. When do the two species stop?
 On submerged trunk of lock.
 First country record.

- Sph. cornu*
- Pisidium unius*

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Royal canal + neighborhood of Kilcock
+ Maynooth. Kildare. Aug. 13. 4. 11

- Aphis. apertis*
- Arim. atr.*
- " *suffusum*
- " *lortensii*
- Vitruva pellucida*
- Hyalini cristata*
- Helis rotundata*
- " *paleohella*
- " *costata*
- " *aspera*
- " *lortensii*
- Coch. lubrica*
- Pupa muscorum*
- Succinea pfefferi*
- Amphi. glutinosa*
- Limnæa peryz.*
- " *stagnalis*
- " *palustris*
- Physa fontinalis*
- Plectrohi alba*
- " *carinata* In canal.

P. unilicatus In ditch near Maynooth.
NB. Saw no traces of *P. cornu*. Found here
by Capt. Thomas O'Brien = 1815(?), but the
habitat of *P. unilicatus* seemed
suitable of the species. It however
no doubt still occur in the district
if properly looked for.

Bith. tentaculata
" *leachi*.
Valvata cristata
" *pisinalis*
Meritina fluvialis. First County record. Common in submerged
stonework of the locks.

P. cornu was found
in the ditch near Maynooth, ME.
See vol. 11.

- Sph. cornu*
- Pisidi. annua*
- "
- "

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Grand Canal, Dublin to Clondalkin
Dublin auct. 14.4.11

- Hyalina uelloni*
- Helix rufescens*
- " *aspera*
- Coch. lubrica*
- Succinea putris*
- " *psiffieri*
- Limnaea peryz*
- " *stagnalis*
- " *palustris*
- Physa fontinalis*
- Planorbis carinata*
- " "
- " *costata*
- Bith. tentaculata*
- " *leachi*
- Valvata cristata*
- " *pisinatis*
- Phys. cornu*
- " *laevigata*

Apparently common in a small pond near
Golden Bridge. On right of Canal descending.

Pisidium nitidum

294

The Great Talar of Fair Head, antrim
auct + coll. 16.4.11

- Limnaea arbutum*
- " *maximum?*
- Agriol. aperta*
- Arion ater*
- " *rufus*
- " *intermedius*
- " *circumscriptus*
- Vitrina pellucida*
- Hyalina uelloni* But rare.
- " *alliana*
- " *nitidula* Var. *leachi*. Common on ground before.
- " *para*
- " *radiata*
- " *crystallina*
- " *fulva*
- Helix reticulata*
- " *lispida*
- " *memorabi*
- " *arbutum*

Boo.
Acicula lineata
Pupa cylindrica
Sph. edentata
+ *Clembi fidentata*

Coch. lubrica [Several dead + 2 living at base of cliff among nettles
about 1/2 way of foot of Grey Man's Path.
Carychium [Probably common all over talar.

Malinbeg Bay, Antrim. Aug. 17. 4. 11

- Limax arborum*
- " *maximus*
- Agriol. aperta*
- Arion ater*
- " *suffusus*
- " *intermedius*
- " *luteus*
- " *circumscriptus*
- Vitrina pellucida*
- Hyalina cellaria*
- " *alliarum*
- " *nitidula*
- " *pura*
- " *crystallina*
- " *fulva*
- Helix rotundata*
- " *hiemalis*
- " *nemoralis*
- " *aspera*
- " *arborum*

also

- Coch. lubrica*
- Carych. nina*
- Pupa cylindrica*
- " *anglica*. In wood.
- Clavella pidentata*
- Balea pumila*
- Acicula lineata*

Many dead - wood as usual. Common alive, but all grey, on *Sisyphe* *lypoides* on chalk escarpment at about 500 ft alt.

Whitepark Bay, Antrim. Aug. 18. 4. 11

- Agriol. aperta*
- Arion ater*
- " *suffusus*
- " *intermedius*
- " *circumscriptus*
- Vitrina pellucida*
- Hyalina cellaria*
- " *alliarum*
- " *nitidula*
- " *pura*
- " *crystallina*
- Helix rotundata*
- " *hiemalis*
- " *itala*
- " *virgata*
- " *barbara*
- " *palchella*
- " *nemorali*
- " *aspera*
- Coch. lubrica*
- Pupa cylindrica*
- Cl. pidentata*

Near Ballinacorney

NB. Shell pockets not examined.

Giant's Causeway, Antrim, Aug 19.4.11

Limax maximus

" *arborum*

Agriolimax agrestis

Arion ater

" *suffusus*

" *intermedius*

" *circumscriptus*

Vertigo pullucida

Hydrobia ulterius

" *nitidula*

(var. *helmi* R. Velez)

" *para*

" *cyathina*

" *fulva*

" *fulva*

= *excentrica*! a.w.s. 1924.

Helix pulchella

Abundant under stones near high-water mark

" *leipida*

at the Giant's Loom

" *retundata*

Some var. *alba*.

" *remorata*

Many white-tipped shells Shepherds Cuth.

Coch. lubrica

Carychium minimum

Physa edentula

Vertigo pygmaea

Pupa anglica

With *H. remorata*

" *glidiana*

Clausilia bidentata

Collected by roadside & shore at "Woturn", Millisle, Down. Aug. 23-4-4.

Limax maximus Very fine & large.

Milax pagata

Arion ater

" *intermedius*

" *hastatus*

" *circumscriptus*

Hydrobia ulterius Type + var.

Helix retundata

" *rufescens* at base of "Woturn" wall.

" *pulchella*

" *aspera*

" *remorata*

Coch. lubrica

Pupa glidiana

Clausilia bidentata

Balea persana Very abundant & fine on all old walls.

Belvoir Park, Belfast, Down. Aug. 29.4.11

Limax maximus

Agriolimax agrestis

" *levis* (?) Introduced (?) in hot houses.

Belvoir Park continued.

- Arion ater
- " lutescens
- " (?) In hot houses. Grey pale striped slug.
- " circumscripta
- Hyalina lucida several groups - hot-houses. Introduced!
- " cellaria
- " alliana
- " crystallina
- " fulva
- Helix rotundata
- " lamellata (1902) In damp woods.
- Coch. lubrica
- Dubulima octona In hot houses. Introduced!
- Limnaea peregrina
- " auricularis
- Pl. albus.
- " crinista
- " fontanus (1900)
- Pl. tentaculata
- Valvata cristata
- " pinnata
- Pl. cornu

In 1899 I took two large
spec. of this sp. under a
stone & mil. from water & one var. alive.

Also Pisidium mihini

" (1905)

Clay Lake, Delamont + Ardglan, Down. Aug. 6.5.11.

Clay Lake.

- Limnaea maximum, Agriol. agrestis, Arion ater, A. suffusus, A. lutescens,
- Hyalina cellaria, Jon. nitidula, Helix hispida, H. nemoralis (D.),
- H. rotundata, Puppa cylindracea, Clausilia bidentata, Limnaea peregrina,
- L. palustris, Pl. albus, Pl. contortus, Valvata cristata, B. tentaculata,
- Ancylus lubricus, Sphaerium cornu + Pisidium

(296)

Ardglan.

- Limnaea maximum, L. flavus, A. agrestis, A. ater, suffusus, lutescens,
- V. pellucida, H. cellaria, alliana, nitidula, H. rotundata, hispida,
- H. rufescens, aspersa. C. lubrica, P. cylindracea, C. bidentata, B. pumila.

Delamont near Downpatrick.

- A. agrestis, A. ater, suffusus, lutescens, V. pellucida, H. cellaria, nitidula,
- H. rotundata, rufescens, C. bidentata.

Carr's Glen, Belfast, Antrim Aug. 10.5.11

- Agriol. agrestis, Arion ater, suffusus, lutescens, circumscripta,
- V. pellucida, Hy. cellaria, alliana, nitidula, pumila, radiatula,
- H. crystallina, Helix rotundata, hispida, nemoralis,
- H. asportum (about 100 yards above pond + waterfall), C. lubrica,
- C. bidentata, Puppa cylindracea, + Ancylus flaviventris.

The Green Lough near Carran Town
a.S. + R.W. 12.5.11

- Agris. aperta*
- " *lucis*. First record for Carran.
- Milax sonchi* almost in town.
- Arim suffusum*
- " *hortensis*
- " *circumscriptum*
- Hyalina cellaria*
- " *nitidula*
- " *fulva*
- Helix stansdata*
- " *reflexum* only seen in garden & ? in town.
- " *aspera* " " " " " "
- Coch. lubrica*
- Vestigo antevestigi*
- Carychium*
- Fuccinea pfeifferi*
- Limnæa peregrina*
- " *stagnalis*
- " *palustris*
- " *transitula*
- Physa fontinalis*
- Aplexa hyporum*

- Austrom. laevigata* first record for Carran
- Planorbis carinata*
- " *rotunda*
- " *ovata*
- " *fontana*
- " *alba*
- " *contorta*
- Valvata ovata*
- " *pirinialis*
- Bith. tentaculata*
- Sph. cornu*
- Pisidium subtruncatum*

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The Green Lough & glen at Inlet of
Lough, Carran. a.S. + R.W. 13.5.11

- Agris. aperta*
- Milax pygmaea* Near ruined cottage.
- Arim ater* Many almost pure white.
- " *suffusum*
- " *hortensis*
- " *intermedia*

Casus continued.

Vitruia pellucida

Hyalina cellaria

" nitidula

" pura.

" crystallina

" fulva.

Helix rotundata

" leipida

only seen in plen. Rou.

" rufescens

Garden of town only.

" nemoralis

V. rare.

" aspersa

about the town.

Carychium minus

Pupa cylindrica

Lim. pumila

" stagnalis

" palustris

" truncatula

Physa putrida

Planorbis albus

" cuneata

" fontana

" rotunda

" emarginata

Valvata pinnata

" cristata

Bitt. tentaculata

Sph. cornuta

Pisidium milium

"

Farnham Woods, Casus, Aug 11/11. 13-5-11

Agrius agrestis

" laevis

Limax asper a very spotted form.

Arion ater

" suffusus.

" intermedius

" laticornis Rou.

" circumscriptus

Vitruia pellucida

Hyalina cellaria

" alliana

" nitidula

Farmers Wood - continued.

- Hyalina pura*
- " *radiatula*
- " *cystellina*
- " *fulva*.

Jan. nitida

Helix retundata

" *fulva* New record for Canada.

" *lamellata*

" *hispidula* Abundant.

" *venusta* "ooooo, cartacea, tenuis" in wood. (R.W.)

Coch. lubrica

Carychium

Sph. edentata

Pupa anglica No immature specimens.

" *cylindrica*

Balea purpurea (R.W.)

Clasilia laminata I saw other numbers.

" *viduata* Quite as common as *C. laminata*

Lucina pulchra

" *hoffmanni*

Limnaea purpurea

" *stephali*

" *palustris*

L. purpurea

Limnaea auricularia. In Farmers Lake.

Physa fontinalis

Apl. laticostata

Planorbis nitens

" *spirorbis*

" *carinata*

" *alba*

" *contorta*

Valvata piscinalis

Bith. tentaculata

Aph. cornu

Pisidium limosum

"

"

"

"

Andonta cyanea

Millions of dead shells on bottom of Farmers Lake. None seen alive.

279

Shore of L. Oughter at Killybegs. A.S. & R.W. J.N.H.F.
Cavan. 13-5-11

Limax asper

Agriolimax agrestis

Hyalinaria cellaria Re white specimen on opp. shore in wood.

" *alliana*

Helix rotundata

Anagallis flaviventris

Ancistrum locustum

Limax peregrinus

" *palustris*

" *stagnalis*

Physa fontinalis

Planorbis rotax

" *alba*

Valvata piscinalis

Bith. tentaculata

Pl. cornu

Anodonta cyanea

Pisidia

300

Collected upon the crannogs upon which is built
Clough Oughter Castle, Cavan. A.S. & R.W. J.N.H.F.
13-5-11

Anon. Lottneri

" *circumscripta*

Agriolimax agrestis

Vitrea pellucida

Hyalinaria cellaria

" *alliana*

Helix rotundata

" *leipida*

Clavella fidentata

Pupa cylindrica

Coch. lubrica

These shells in all probability
are their origin on this
artificial island to floods
bringing debris & casting
it upon the island.

Drumlane district, Cavan. A.S. & R.W. J.N.H.F.
14-5-11

1. Momy-bed chum
2. Drumlane. 3. Inishmore
4. Derryhinch Lough & drains.

Agriolimax agrestis 1+2.

Limax maximus 1.

" *asper* 1+2.

Dumfries continued.

- Milax papilion 2.
- Arion ater 1+2
- " sulfureus 1+2
- " intermedius 2
- " hortensis 1+2
- " circumscriptus 1+2.

Ystruxia pellucida 1

Hyalina cellana 1+2. From the Mary Church are suspicious specimens. It is little wonder that the earlier conchologists mixed the Irish form of cellana with H. lucida.

" alliana 1+2

" nitidula 1

" pura 1 + 2 (?)

" radiatula 1 + 2 (?)

" crystallina

Em. nitidas 2 + 3.

Helix rotundata 1+2.

" hispida 1+2. Very common. A nice form.

" nemoralis 1+2. Mainly the "Toy" form, i.e. 1(23)45.

" arbutorum Greyish purple-brown form

was found to be abundant in Mary grass-yard. This spot appears to have been a pagan "killeen" before the church was built. At this time H. arbutorum was probably widely spread throughout the town. Cultivators have been told its tale.

Coch. lubrica 1+2

Carychium 1+2

Pupa cylindrica 1+2

Vertigo pygma 1+2

" antevortice 2.

Clavicle fidentata 1, 2 + 3.

Succinea Pfeifferi 2.

" putris 1. Common with H. arbutorum.

Limnaea peregrina 4.

" stagnalis 4.

" palustris 4.

Aplute hypnum 4.

Physa fontinalis 4.

Planorbis carinata 4.

" contorta 4.

Drumlow continued

Planorbis rotax 4.

" fontana 4.

Bitt. tentaculata 4.

Voluta cristata 4.

Sp. cornu 4. A nicely marked & very globular form contrasting greatly with the large oval shell from the Green Lough at Carran. (1) (1)

Purpura milia 4

" subtruncata 4

(30)



Torr Head, Antin (B.N.F.C. Ex)
Aug. 27. 5. 11

~~Agrion apertum~~

Agrion rufum

Helix stundala Var. alba.

" nemoralis Some lovely delicately coloured young in holes (Helm - springs) of primitive limestone.

" arbutum Common west of Torr Head at foot of small glen. Reported by Botanists to be abundant among alpine plants on the Chalk escarpment towards Grianan Mor.

" hispidus

Coch. lubrica

Clavus pedunculatus

Purpura cylindrica

Knockdhu & Sillagh Braes, Antin (2)
Aug. 27, R.H., & B.A. Phillips.
4. 6. 11.

Agrion apertum

Limosina arbutum (1) Var. alpertum

Agrion ater

" rufum almost black (2)

" intermedium

Knockdhu + Jallagh Bree continued.

Arion hortensis

" *circumscriptus*

Vitrea pellucida

Hyalina albirostris

" *nitidula*

" *pura*

" *crystallina*

Helix stansata

" *rustica* (2). In chalk when some water supply is found.

" *hispidula*

" *remorata*

" *arbutorum*. All young. Among nettles + lady-ferns

Coch. lubrica

Pupa cylindrica

Clausilia bidentata

Limnaea peregra L. Duff.

" *palustris*

Pisidium subtruncatum

"

"

(302)

Portmore Lough + Church, Ballinderry, Antrim
A.S. 11.6.11.

Agrio. aperti

" *laevis*

Arion ater

Hyalina albirostris

" *nitidula*

C. fulvus

Jon. nitida

Helix remorata Dead.

Coch. lubrica. One fine large shell in mud round lake + one very small one in the dry church-yard.

Pupa cylindrica

Clausilia bidentata

Balea pinnosa

Succinea Pfeifferi Common in mud round lake.

" *patina* young shells on Fir, near Church, in field.

Limnaea peregra

" *palustris*

Bith. tentaculata

Ph. cornu

[*Aradonta cyanea* Not seen by me, but is common in the lake.]

Pisidium milium

"

(303)

End of bog descript. Lake nearly dry + unapproachable.

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B.N.

New

Or

Leis

Cl

Mu

Bo

Mo

Ust

Long

Coll

Gla

Can

Sell

G.

Car

Hil

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May

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