Mem.

All scribblings by M.P Kerney in these 3 vols. of Stelfox's Journal have been removed today 10/2/1905

N F McMillan

Vols. 1, 2 and 3 of Stelfox's Journal were lent to M. P. Kerney (Imperial College, London) and were returned by him heavily annotated — naturally without my permission or knowledge.

Nora F. McMillan

Lists of Land & Freshwater Mollusca & Localities Found in Great Britain & Ireland

by

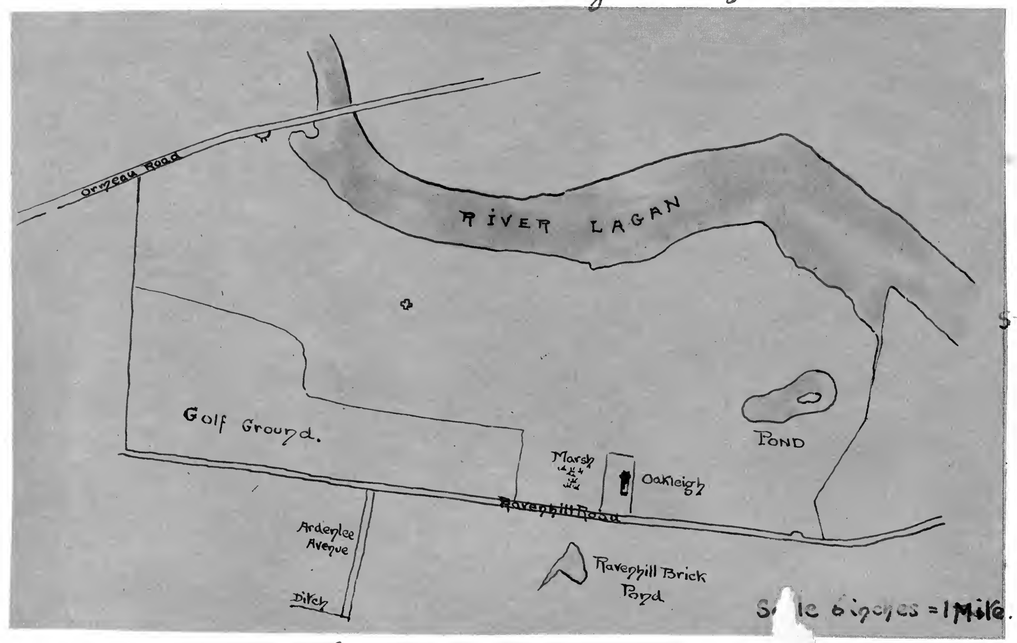
A. W. Stelfox

also lists from Foüen & Caen in Normandy and several from Norway.

VOL. 1.

august 10th 1904.

Ormeau Park &c East & district.
Sunday 12th August 1905.



Co. Down.

Limax maximus. L.	Common at Oakleigh, all var ferrusaci. 1904.
" flavus. L.	Several specimens in cucumber frames Oakleigh. Summer 1904.
" arborum	Rare on trees near Oakleigh. 1901.
Agriolimax agrestis.	Very common in garden, Oakleigh. 1904.
" laevis.	Rare in Marsh near Oakleigh & in garden. 1903.
Milax sowerbyi.	Common in "Lilly of the Valley" beds in Oakleigh, 1902.
Vitrea cryptallina	Fairly common in nettles at Oakleigh 1905.
" cellaria	Common in above situation & also in greenhouses.
" alliaria	Common in nettles as above & greenhouses.
" radiatula	A few specimens in nettles but rare.
Euconulus fulvus	In nettles at Oakleigh but not common.

Ormeau Park continued.

Arion ater	Very common. Type & vars. castanea & plumbea. 1905.
" subfuscus	Fairly common but not so plentiful as in previous years 1905.
" intermedius	Frequent in nettles at Oakleigh - 1900
" hortensis	Very common in garden at Oakleigh. Almost a pest. 1905
" fasciatus	Also common in garden but not so abundant as he
Pyramidula rotundata	Common all round Oakleigh. 1905.
Hygromia hispida.	Common in nettles at Oakleigh. 1905.
Helix nemoralis.	Common at Ardenlee House in 1898. ~~All var.~~ rufescens.
Cochlicopa lubrica	Common at Oakleigh. 1905.
Vertigo antivertigo	Several specimens in rejectamenta from Lagan 1904.
Clausilia bidentata	Common at Oakleigh. 1905.
Succinea putris	a few in ditch Ardenlee Avenue. 1898.
Limnaea peregra	Ravenhill Brick Pond & Ardenlee. 1898. One abnormal specimen at latter place.
" truncatula	a few in marsh at Oakleigh. 1905.
Planorbis albus	Common in Ravenhill Brick Pond 1905.
" umbilicatus	Rejectamenta from Lagan 1904.
" contortus	Rejectamenta from Lagan 1904.
Aplecta hypnorum	Common in ditch in Ardenlee Avenue 1898. This ditch has since been removed but aplecta may still survive in similar situations close by. 1905. Specimens collected in 1898 were very large.
Bythinia tentaculata.	Rejectamenta from Lagan 1904.
Valvata piscinalis.	Rejectamenta from Lagan 1904. also P. nitidum, P. pusillum, & P. subtruncatum in 1905.
Pisidium pusillum.	Ravenhill Brick Pond 1898.

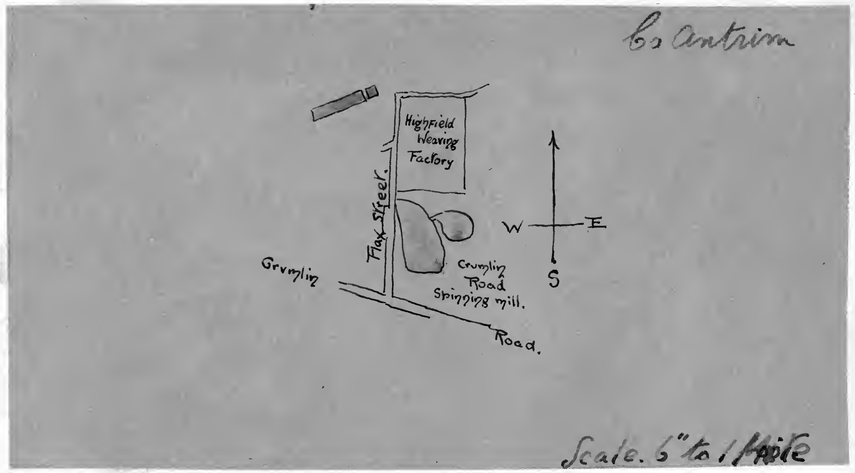
Valloniа excentrica Sterki
from "Lawn" at Oakleigh
A.W.S. June 1905
[illegible]

a specimen of Planorbis corneus was found in dough Nook Pond at Oakleigh by C.Y. Stevenson & seen with me. A.W.S. 1905 [G.W.S. 1916.]

Highfield Mill Dam.
Off Crumlin Road. Belfast

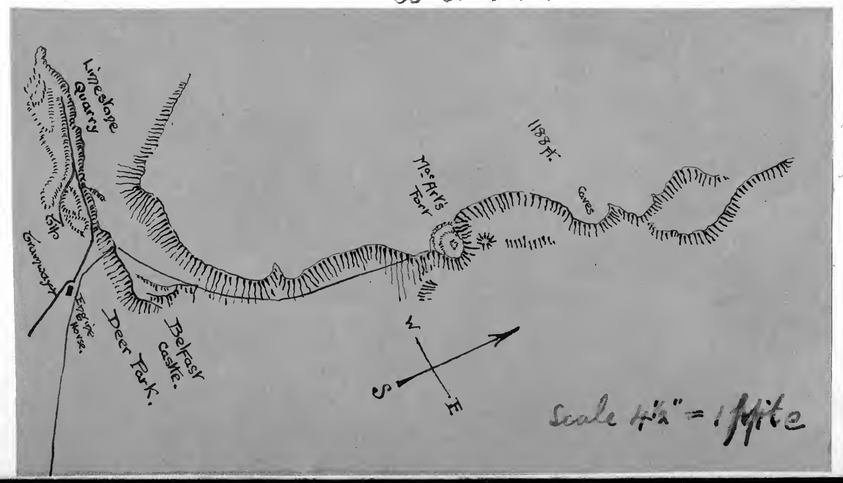
Co Antrim

A.W.S. & R.W.
7.8.05.



Planorbis glaber	Very common but all dead. Largest specimen was 4·5 × 3·0 m.m. Temperature of water probably 100° Fahr.
Limnaea peregra	Very common. Some specimens with very reflexed lips.
Valvata piscinalis	One specimen dead. This & above were collected on 7th Aug. 1905.

Cave Hill
Co Antrim



Cavehill cont.

Agriolimax agrestis	Common. 1904.
Vitrina pellucida.	Plentiful, but dead, on quarry tip. 1904.
Vitrea crystallina	Common in moss on quarry tip 1904.
" cellaria	At base of deer park wall. 1904
" nitidula	In above situation. Common. 1904.
" pura	In moss on tip. 1904
" radiatula	In moss on tip, with var. viridescenta-alba. 1904.
Euconulus fulvus	a few small specimens on quarry tip. 1904.
Arion ater	Common.
" subfuscus	Under stones at Engine House of quarry 1904
" fasciatus	" " " " " " " "
Punctum pygmaeum	In moss on quarry tips. 1904
Pyramidula rotundata.	Common. 1904
Hygromia hispida	Very common, with var. hispidosa 1904
Acanthinula aculeata.	Fairly plentiful in moss on quarry tip, with var. albida. 1904.
Helix nemoralis	Common. Mostly var. libelula-albolabiata, 00345. 1904.
Cna obscura	Common on Deer Park Wall & at Engine House. 1904.
Cochlicopa lubrica	Common with var. hyalina. 1904.
Jaminia cylindracea.	Common with var. albina. 1904.
Vertigo pygmaea	Numerous in quarry 1904.
Clausilia bidentata	Common. 1904.
Succinea putris	In small streams below quarry. 1904.
Carychium minimum	Common. 1904.
Limnaea peregra	In streams below quarry. 1904
" truncatula	" " " " "

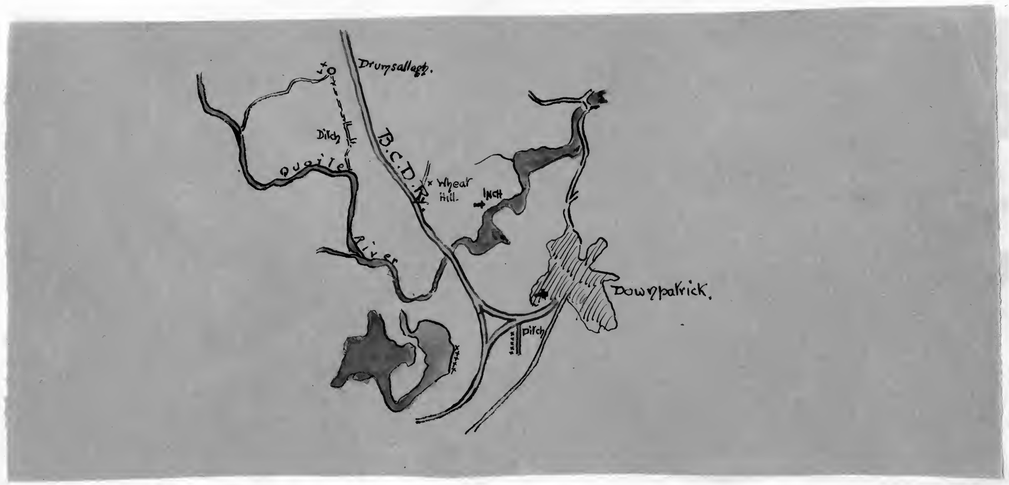
Cretaceous

Cave Hill cont.

Pisidium casertanum } a.w.s. 14-3-16
" nitidum
" personatum

Acicula lineata	Common in moss with var. alba in quarry 1904.
Pisidium pusillum	In stream in quarry. 1904 } Verified by C. Oldham.
" obtusale	" " " " " "

Downpatrick Marshes.
August 6th 1905. Co. Down.



Glacial

Limnaea arborum.	Under trees near Wheat Hill Bridge.
agriolimax agrestis	Common near Loop Line.
" laevis	In marsh frequent.
Vitrea albiana	One specimen near Loop Line.
" nitidula?	One doubtful specimen, young, near Loop Line.
" pura	a few at Loop Line.
" radiatula	One specimen, var viridescenta-alba, at Loop Line.
Euconulus fulvus	a few young near Loop Line.
Zonitoides nitidus	One dead in field at Downpatrick Station.

Downpatrick cont.

Arion ater	Common at Loop Platform. Vars plumbea & castanea.
" subfuscus	Near Loop Line.
" intermedius	Common at Loop Platform.
" fasciatus	Loop Line.
Pyramidula rotundata.	Common on Loop Line, also near Wheat Hill.
Helix nemoralis	a few at Loop Platform
Hygromia hispida	Plenty, young, near Loop Line.
Cochlicopa lubrica.	Common on Loop Line.
Jaminia cylindracea.	Wheat Hill, fairly common.
Vertigo pygmaea	Two specimens at Loop Platform.
Clausilia bidentata	Wheat Hill.
Succinia elegans	Type common with vars. pfeifferi &
Carychium minimum.	a few on Loop Line.
Limnaea pereger	Common in all ditches, also at Drumsallagh Pond.
" palustris	Common in all ditches but a few very large in drain at Loop.
" truncatula	Common everywhere. Drumsallagh Pond.
Planorbis albus	Loop Line & Drumsallagh Pond.
" [umbilicatus	Plentiful young. ? I think a mistake. A.W.S. 1914]
" carinatus	In ditch west of Loop Line.
" spirorbis	In field at Station.
" contortus	Very common. also at Drumsallagh Pond.
" fontanus	Fine specimens in ditch in Photo. Also at Drumsallagh.
" crista	One specimen near station in 1899. None in 1905.
Physa fontinalis.	Common everywhere & at Drumsallagh Pond.
Aplecta hypnorum.	In field near Station.
Acroloxus lacustris	a few dead west of Loop Line. Common at Inch Abbey in 1903.

Vallonia excentrica in mounted collection taken at "Downpatrick" in 1899 by A.W.S. A.W.S. 1924.

Downpatrick cont.

Bythinia tentaculata.	Common. Everywhere.
Valvata piscinalis.	Common everywhere. Drumsallagh Pond.
" cristata.	Common everywhere. Drumsallagh Pond.
Sphaerium corneum	Very fine specimens near Loop Line.
" lacustre	In same situation as above & also a few very large in drain between Wheat Hill & Drumsallagh.
Pisidium nitidum	Two specimens } [A.W.S. 1916.]
" milium	Common }

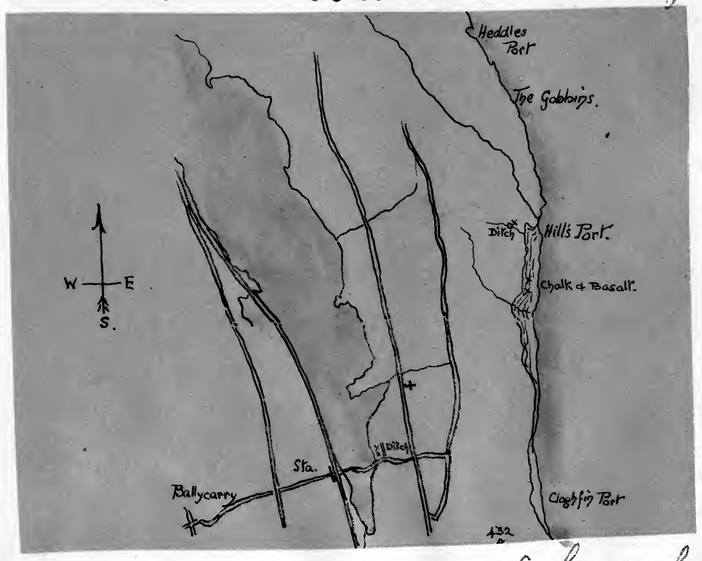
Marshes at Downpatrick.

Ravenhill Brick Pond. See page. I. 4th Sept. 1905.

Limnaea pereger	Common
Planorbis albus	Common & fairly large.
" fontanus	One large specimen dead.
Pisidium nitidum	} [A.W.S. 1916]
" pusillum	}
" subtruncatum	} See p. 2 ante.

Also Pl. spirorbis or rotatum Pl. leucostoma

Islandmagee.
Co Antrim. 27th August 1905.



Hills Port on Cretaceous

Scale 1 inch to 1 mile.

Agriolimax agrestis	at Ballycarry Ford & Hills Port. a few only.
Vitrina pellucida.	a few dead on chalk at Hills Port.
Vitrea crystallina.	Ballycarry Ford & Hills Port.
" cellaria.	Plentiful, but all dead at Hills Port.
" alliaria.	One specimen, var. viridula, at Hills Port.
" nitidula.	a few at Hills Port.
" radiatula.	One specimen at Ballycarry Ford.
" pura.	a few at Hills Port.
Arion ater.	Ballycarry Ford & Hills Port.
" intermedius.	One specimen at Ballycarry Ford.
" subfuscus.	One young specimen at Hills Port. R. Welch.
Pyramidula rupestris	Plentiful on chalk debris at Hills Port.
" rotundata	Ballycarry Ford & Hills Port.

Islandmagee cont.

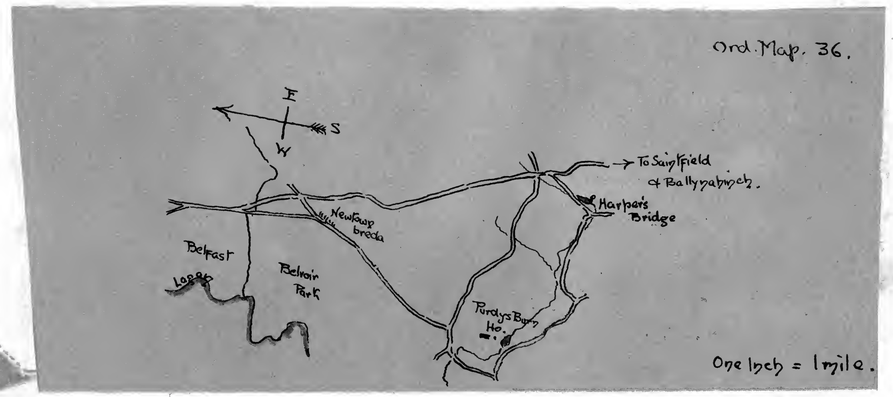
Hygromia hispida	Hills Port, Cliff Path & Ballycarry Ford. Common.
Helix aspersa.	Common, dead, in holes in chalk at Hills Port.
" nemoralis	Common at Hills Port.
Cochlicopa lubrica	Hills Port & Ballycarry Ford. Frequent.
Jaminia cylindracea.	Hills Port, common.
Vertigo antivertigo	One specimen at Ballycarry Ford. R. Welch.
" pygmaea	a few at Ballycarry Ford. R. Welch.
Balea perversa.	Common with P. rupestris at Hills Port. Very large & with exceptionally well formed lip.
Clausilia bidentata	Some fine large specimens at Hills Port with Balea.
Succinia elegans	a small form common at Ballycarry Ford.
Carychium minimum	Ballycarry Ford & Hills Port.
Limnaea peregra	Ballycarry Ford & Ditch above Hills Port.
" truncatula	Ballycarry Ford & Hills port.
Planorbis spirorbis.	Plentiful & large in ditch near Ballycarry Ford.
Aplecta hypnorum	Plentiful young with P. spirorbis as above.
Paludestrina ventrosa.	a few dead in pools at Ballycarry Ford.
" stagnalis	One specimen at Ballycarry Ford.
Pisidium casertanum	Both common at Ballycarry Ford and at roadside above Hills Port. [Ver. G.W.S. 1916].
" pusonatum	

Islandmagee cont.

Hills Port, Black Hd in distance.

Gobbins from Hills Port.

Mill Dam at Harpers Bridge.
2 miles south of City of Belfast Boundary
on Road to Saintfield. Co Down.
10th Sept. 1905.



Hygromia hispida	One dead in Dam.
Zonitoides cylindracea	Common on wall along road at Harpers Bridge.
Limnaea peregra	Common.
" palustris	Common. All young.

Harpers Bridge, cont.

Limnaea truncatula	Common in flooded parts of dam.
Planorbis crista	Common on duck-weed in dam.
" contortus	Fairly common.
Pisidium personatum	[Ver. A.W.S. 1916] Common.

Harpers Bridge Dam looking north-west.

Warrenpoint & Rostrevor
Co Down 17th Sept. 1905.

Warrenpoint & Rostrevor cont.

Agriolimax agrestis	A few specimens along Milltown road.
" laevis.	Common in swamp on Milltown road.
Vitrea crystallina	Milltown road & Water Works, rare.
" cellaria	Milltown road, rare.
" alliaria	Milltown road, rare.
" nitidula	Milltown road, rare.
" pura	Water Works, rare.
" radiatula	Milltown road, common & very fine.
Euconulus fulvus	Milltown road & Water works.
Arion ater	Milltown road & Water works.
" hortensis	One specimen on Milltown road.
Zonitoides nitidus	Very common & large at Water Works. Plentiful young.
Punctum pygmaeum	One specimen on Milltown road.
Pyramidula rotundata	Milltown road, common. Also near Rostrevor.
Helicella zakarensis Kobelt.	One immature specimen found alive near Rostrevor. The spot is indicated on map by a small red cross. The specimen was under a stone among nettles in the ruin of a cottage. Feb 1898. Mr Welch + myself searched this spot carefully on 11th Sept 1905 but found no trace of any colony, indeed it would be a strange place for any Helicella to live.
Hygromia hispida	Common.
" rufescens	Common.
Cochlicopa lubrica.	Water Works + on Milltown road.
Jaminia cylindracea	Common.
Limax arborum	Thunders Hill. rare.

Silurian

Warrenpoint & Rostrevor cont.

Vertigo antivertigo	Very common at Water Works.
" pygmaea.	Common & large along Milltown road 1 mile from Station.
Balea perversa	Near Rostrevor, rare.
Clausilia bidentata	1 young specimen on Milltown road.
Succinea putris	Milltown road, a few only young.
" elegans	Water Works, mostly dead.
Carychium minimum	Common.
Limnaea auricularia	Common at Water works. Very fine specimens but all dead.
" peregra	Local.
" palustris	Milltown road & water works.
" truncatula	rare.
Planorbis fontanus	Fairly common, dead, at Water works.
" albus	Water works, rare.
" spirorbis	Milltown + Water works.
Paludestrina jenkensi	In millions in small stream close to outlet of Moygannon River, Warrenpoint.
Valvata cristata	Waterworks, rare,
Ancylus fluviatilis	Ghan river, common, young.
Pisidium personatum	Common.
" milium	Common.
" subtruncatum	One spec.
" obtusale	One spec

[Ver. A.W.S. 18-3-16]

Photo. of roadside where Helicella zakarensis was found.

North-west Donegal. 23rd Sept – 4th Oct 1905.

All Granite, Schist or Quartzite.

Pub. in J. Nat.

Inishcoole, Bunbeg. 23rd Sept. 1905.

agriolimax agrestis	Common.
arion ater	a few specimens.
" subfuscus	Common, young.
Helicella itala	Very common & some fine large specimens facing sea.
" barbara	Common.
Helix nemoralis	a beautiful form approaching var. citronozonata.
Jaminia cylindracea	Common but small.
" muscorum	Common, alive, at roots of grass.
Cochlicopa lubrica.	Common.
Vitrina pellucida.	Common.
Vitrea alliaria.	a few specimens.
acanthinula aculeata.	One specimen dead in moss.
Vallonia pulchella.	Dead.

Sand dunes from Bunbeg to Magheragallon Old Church.
(B 72) 23rd & 24th Sept.

Limax arborum	Common under stones.
agriolimax agrestis.	Common.
" laevis.	Common below Middletown.
Milax gagates	A few specimens above Inishcoole.
Vitrina pellucida.	Very common alive & good sized specimens.
Vitrea crystallina	Bunbeg. Shell pockets.
" cellaria.	a few below Middletown.
" alliaria.	Common.
" radiatula	Very rare at Middletown.
Pyramidula rotundata	Common.

Bunbeg continued.

Helicella itala	Very common.
" barbara	Very common.
Acanthinula aculeata	Common in Shell Pockets.
Vallonia pulchella	" " " "
" costata	" " " "
Helix nemoralis	Common. Many white lipped.
" aspersa	Very common in dykes. The small wooden crosses in Magheragallon Ch. yard were in some cases completely covered with this shell.
Jaminia cylindracea	Common
" muscorum.	Common in Shell Pockets.
Vertigo pygmaea.	Shell Pockets & alive below Middletown.
" antivertigo	" " " " "
" pusilla	Common in shell pockets.
" angustior.	" " " "
" substriata.	" " " "
Clausilia bidentata	Common.
Carychium minimum	Common in suitable places.
Limnaea pereger	In pond below Middletown.
" truncatula	Middletown.
Planorbis glaber.	All three common in pond below Middltown.
" spirorbis.	
" crista.	
Pisidium ~~pusillum~~	Middletown. See above!
Unio margaritifer	Very common in Cladry River. All type.

Also Pisidium casertanum.
" personatum.
" pulchellum.
" lilljeborgii.
" obtusale
from Middletown, and
P. casertan
P. pusillum
from Cladry River.

[Ver. by G.W.S. 22-3-16.

L. auricularia in semi-drained Lake n. of Bunbeg.

Inishinny, off Carrickfin.
26th & 27th Sept 1905.

Agriolimax agrestis	Common.
Vitrina pellucida	common.
Vitrea alliaria	a dark brown form, common.
Pyramidula rotundata	Fairly common
Helicella itala	abundant.
" barbara	
Vallonia costata	a good many specimens alive under stones
" excentrica	alive with above. Verified by A.W.S. 1924!
Acanthinula aculeata.	Shell pockets.
Helix nemoralis	Rare alive. Plentiful in shell pockets.
Cochlicopa lubrica	Common.
Clausilia bidentata	Fairly common.
Jaminia cylindracea	Common in Shell pockets.
" muscorum	
Vertigo angustior	" " "
" pygmaea	" " "

Carrickfin Peninsula.
25th 26th & 27th Sept. 1905.

Agriolimax agrestis	Common.
" laevis	Shore of Dunmore Lough.
Vitrina pellucida	Frequent.
Vitrea crystallina	Very common in shell pockets.
" cellaria	" " " " "
" alliaria	Common alive & also in shell pockets.
" radiatula	a few on shores of Dunmore Lough.
" pura	Shell pockets.
Euconulus fulvus.	Common in shell pockets.
Pyramidula rotundata	Common.
Helicella itala " barbara	} Abundant.
Acanthinula aculeata	Common in shell pockets.
Vallonia	
Helix nemoralis " aspersa	} Common in old walls &c
Cochlicopa lubrica	Common.
Jaminia anglica	Common in shell pockets
" muscorum	" " "
" cylindracea.	Common.
Vertigo pygmaea " antivertigo " substriata	} All very common in shell pockets.

Carrickfin continued.

Vertigo pusilla.	Common in shell pockets
" angustior	" " " "
Sphyradium edentulum	" " " "
Clausilia bidentata	Frequent. also in shell pockets.
Succinea elegans	Shores of Loughs. all young.
Carychium minimum	Shores of Dunmore Lough + also in Shell Pockets.
Limnaea peregra	Common. a beautiful white form, var. candida, is very plentiful in Carnboy Lough. Besides being white these shells are very square shouldered. var. boissii.
" truncatula	Frequent.
Planorbis glaber	Common in Cormac's Lough & Dunmore & Carnboy Loughs.
" crista	One specimen, very large, in Carnboy Lough.
" spirorbis	Dunmore Lough, common.
Acicula lineata.	Very common in shell pockets.
Pisidium pusillum " milium " subtruncatum " Lilljeborgii.	} "Dunmore Lough" [Ver. by A.W.S. 26-3-'06]
Limnaea auricularia	Var. acuta-albida was found with peregra in Carnboy Lough & verified by J. W. Taylor of Leeds.

Mullaghderg Lough + Dunes.
26th & 27th Sept. 1905.

Agriolimax agrestis " laevis.	} Shores of Lake common.
Milax sowerbyi.	a few specimens on shore of lake.
Vitrina pellucida	Very common

Mullaghderg continued.

Vitrea crystallina	Shore of lake & in shell pockets.
" alliaria	Shore of lake. Common.
" cellaria	Shell Pockets, frequent.
Zonitoides nitidus	Under stones on shore of lake. Common mostly young.
Euconulus fulvus	Common with above on shore of lake.
Arion ater	Common on shore of lake.
" subfuscus	
Pyramidula rotundata.	Surprisingly rare.
Helix itala	All very abundant on dunes.
" acuta	
" nemoralis	
" aspersa	
Cochlicopa lubrica	Common.
Acanthinula aculeata.	a few specimes taken under stones on shores of lake without any trace of spines. Common in shell pockets.
Jaminia cylindracea	Common.
" muscorum	Common in shell pockets.
Vertigo antivertigo	Very common on shores of lake.
" pygmaea	Very common & large with above. Shell pockets.
" substriata	a few with above alive. Also in shell pockets.
" angustior	In abundance in shell pockets, apparently freshly dead.
" pusilla.	Fairly common in shell pockets.
Clausilia bidentata.	Rare. Also in shell pockets.
Succinea elegans	Very common with Vertigos on shores of lake.
Limnaea pereger	Common. a few specimens of var. candida.
" palustris	Common in lake.

Mullaghderg continued.

Limnaea auricularia	Var. acuta fairly common but young. Some also var. albida.
Limnaea truncatula	Common on Shores of lake.
Carychium minimum	Common near lake. Also in shell pockets.
Planorbis crista	Rare.
" spirorbis	Common in flooded parts of lake but is replaced by glaber in main portion.
" glaber	Very common & large. Feeding on Potamogeton.
" contortus	Two dead specimens only.
Valvata cristata	In abundance & large.
Acicula lineata	Fairly common in Shell pockets.
Pisidium pusillum	Common.
" obtusale	Fairly common.
" ~~nitidum~~	" "
" gassiesianum	Rarer than above.

Verified by Charles Oldham.

[Ver. by G.W.S. 26-3-16]

Pisidium nitidum.
" pusillum.
" milium.
" pulchellum.
" subtruncatum.
" lilljeborgii
" hibernicum.

Dunlewy Lough
28th Sept. 1905.

Limax arborum	Common in Dunlewy House woods.
Agriolimax agrestis	Common.

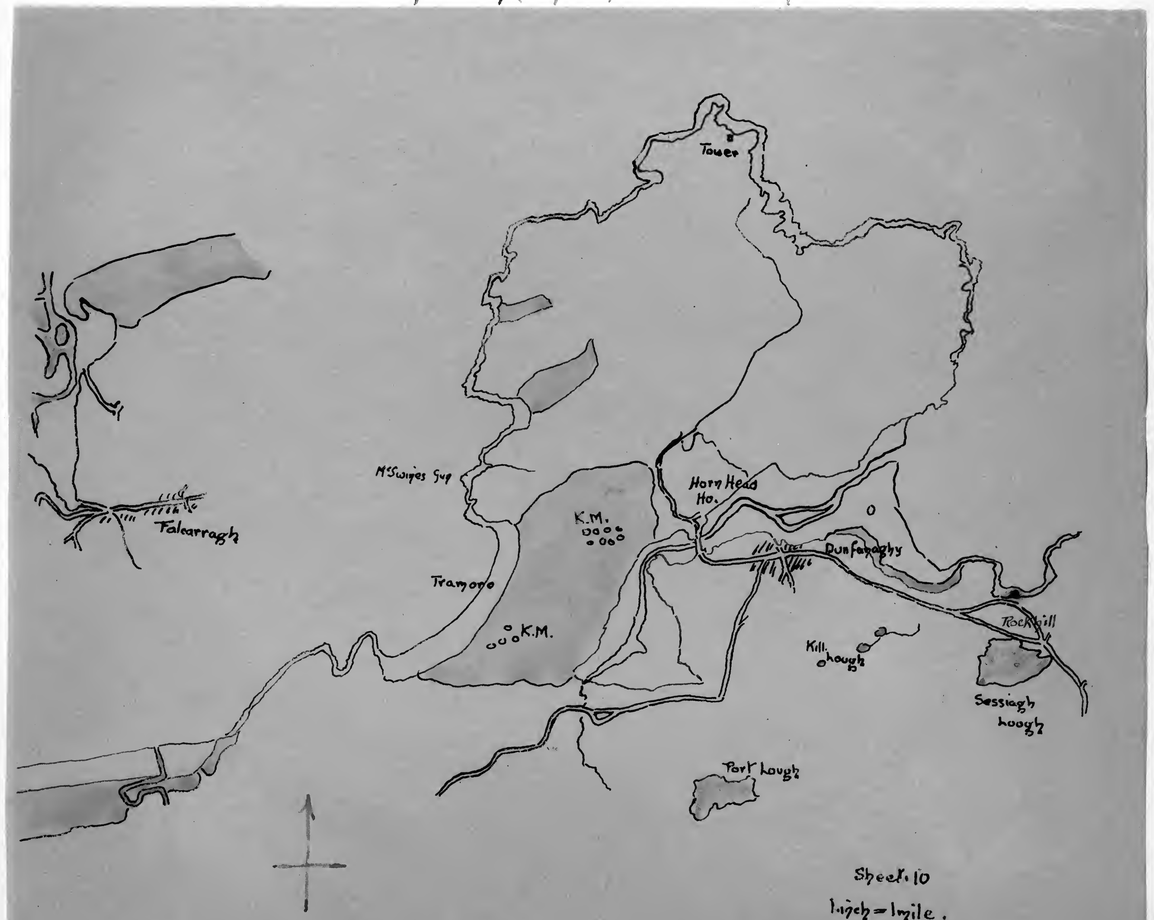
Dunlewy continued.

Agriolimax laevis.	Common on Lough Shores.
Milax sowerbyi.	Common around Lough.
Vitrea crystallina.	All common in woods of Dunlewy House.
" pura.	
" radiatula.	
" nitidula.	
" cellaria.	
" alliaria.	
Zonitoides excavatus.	a few specimens in Dunlewy Wood.
Pyramidula rotundata.	common.
Sphyradium edentulum.	common in wood & under stones below county road.
Punctum pygmaeum.	One specimen taken alive by J.W.C. on shore of Lough
Arion ater	all common in wood.
" hortensis	
" fasciatus	
Hygromia hispida.	Common in wood.
Jaminia cylindracea.	Common.
Clausilia bidentata	Common.
Balea perversa.	Common in woods.
Vertigo pygmaea.	Under stones below Cruigal.
Ancylus fluviatilis.	Plentiful, but young, in Lough.
Limnaea peregra	Both in Lough.
" truncatula	
Carychium minimum	Shores of Lough.
Planorbis spirorbis	In shallow pools around N.E. side of Lough.
Pisidium pusillum	common.

Dunlewy continued.

Pisidium nitidum Common in Lough below Dunlewy House. } Ver. by C. Oldham.
" subtruncatum Common. = P. casertanum. P. personatum. P. lilljeborgi. } [Ver. by A.W.S. 26-3-16]

Horn Head, Falcarragh & Seisiagh Lough.
1st & 3rd Oct, 29th Sept., 4th Oct 1905.



Falcarragh

29th Sept. 1905.

agriolimax agrestis	Common
" Caevis.	Fairly common
Vitrina pellucida.	In sand dunes.
Vitrea alliaria.	a few specimens on sand dunes.
Euconulus fulvus.	a few specimens.
arion ater	Common.
" hortensis.	Common.
Pyramidula rotundata.	Common.
Helicella itala.	abundant.
" barbara.	abundant.
Vallonia pulchella.	Common in shell pockets.
Helix nemoralis.	Common
" aspersa.	Very common.
Cochlicopa lubrica	Common
Jaminia muscorum	Shell pockets.
" cylindracea.	Common.
Vertigo antivertigo	Under stones
" angustior.	Shell pockets
" pygmaea.	Under stones with antivertigo.
Balsilia bidentata	One young with above.
Carychium minimum.	a few
Limnaea truncatula	In damp spots.

Horn Head

1st & 3rd Oct 1905.

Limax arborum	Common in rubbish around Martello Tower.
agriolimax agrestis	Common.
Vitrea cellaria.	Martello Tower, a few only.
" alliaria.	Common with above.
Punctum pygmaeum	Shell pockets.
Sphyradium edentulum	Very common under stones by road side to Tower.
Pyramidula rotundata	Common.
Helicella itala	abundant.
" caperata.	a large colony around old circus ring opposite Dunfanaghy Br.
" barbara.	abundant.
Helix nemoralis.	Very common. a much weathered but extremely heavy type is to be found alive on Tramore dunes.
" aspersa.	Common.
Cochlicopa lubrica.	Common
Jaminia cylindracea	Common. Very large & very thin shells.
" muscorum.	Shell pockets.
Balea perversa.	In abundance with well formed lips in mortar on Martello Tower.
Balsilia bidentata	Frequent.
Vitrina pellucida	Common in dunes.
Zonitoides nitidus	Very common near Dunfanaghy Bridge in small marsh.
Euconulus fulvus	Common
Vallonia pulchella	Common near lime kiln near Bridge. (Vab. excentrica MK)
" costata.	Very common with above. Fine specimens.
Vertigo antivertigo	Alive in marsh near bridge. common.
" pygmaea.	With above but not so common.

Horn Head continued.

Vertigo substriata.	Shell pockets
" pusilla.	Shell pockets
" angustior.	Shell pockets.
Succinea elegans.	Common in marsh near bridge.
Limnaea pereger.	Very fine specimens in marsh.
" truncatula	with above.
Carychium minimum.	Common in Shell pockets.
Acicula lineata.	Common in Shell pockets.

Sessiagh Lough & district.
4th Oct 1905.

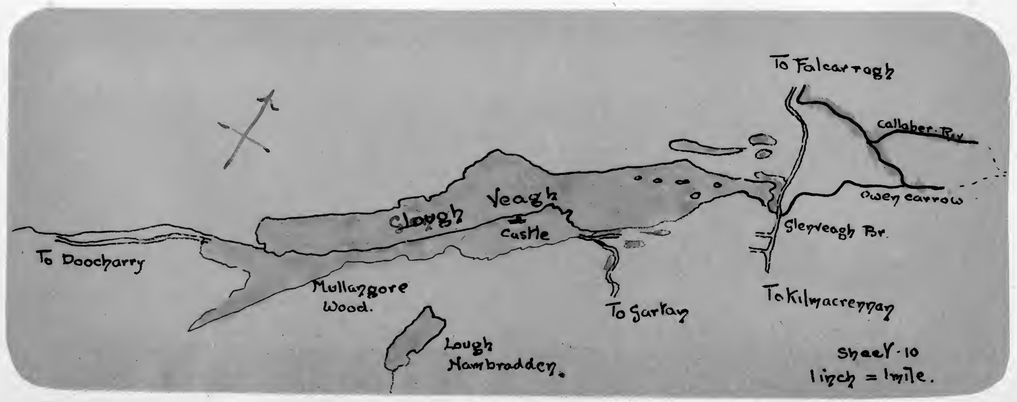
Limax arborum.	On shores of lake.
Agriolimax agrestis	Common.
" laevis.	Frequent.
Vitrina pellucida.	Common.
Vitrea alliaria	Common.
" radiatula	a few specimens.
Zonitoides nitidus.	Very common on shore of Sessiagh Lough next road.
Euconulus fulvus.	Common.
Arion ater.	Common
" hortensis.	a few.
" intermedius	a few specimens only along cliffs to West of Lake.
Pyramidula rotundata.	Common.
Helicella itala.	abundant on shore
" barbara.	near Rockhill.
Hygromia hispida.	One specimen with A. minimus in nettles.

Primary Limestone

Sessiagh Lough continued.

Helix nemoralis.	Plentiful but young.
Cochlicopa lubrica.	Common
Jaminia cylindracea.	Common
Vertigo antivertigo	Very common
" pygmaea.	Common.
Clausilia bidentata	a few only.
Succinia elegans.	Abundant on shores of Lake.
Limnaea pereger.	Common
" truncatula.	Common
Planorbis glaber.	a few in lake.
Valvata cristata	Plentiful in outlet of Kill Lough.
" piscinalis	One young in Sessiagh Lough.
Pisidium pusillum	Outlet of Kill Lough. [Ver. by A.W.S. 26-3-16]

Glenveagh
30th Sept. 1905.



Glenveagh continued.

Limax maximus	a few in Mullaigore Wood.
" arborum.	Common.
agriolimax agrestis.	Common.
" laevis.	a few.
Milax sowerbyi.	Rare only two seen.
Vitrina pellucida	Common
Vitrea crystallina.	Not at all common.
" pura.	Very common.
" radiatula	Frequent.
" nitidula	Common
" alliaria.	Common.
Zonitoides excavatus	One var. viridula in wood.
Euconulus fulvus.	Fairly common.
arion ater.	Common. Very pale var.
" hortensis.	Common.
" subfuscus.	Abundant. Mostly young.
Aphrodium edentulum	In woods.
Pyramidula rotundata	Common.
Helix nemoralis.	a very fragile variety living in moss under trees.
Hygromia fusca.	Very common. Mostly young
Acanthinula lamellata.	One fine specimen in Mullaigore wood.
Cochlicopa lubrica.	Common.
Jaminia anglica.	Fairly common on moss.
" cylindracea.	Common.
Balea perversa.	Common
Clausilia bidentata	Common.

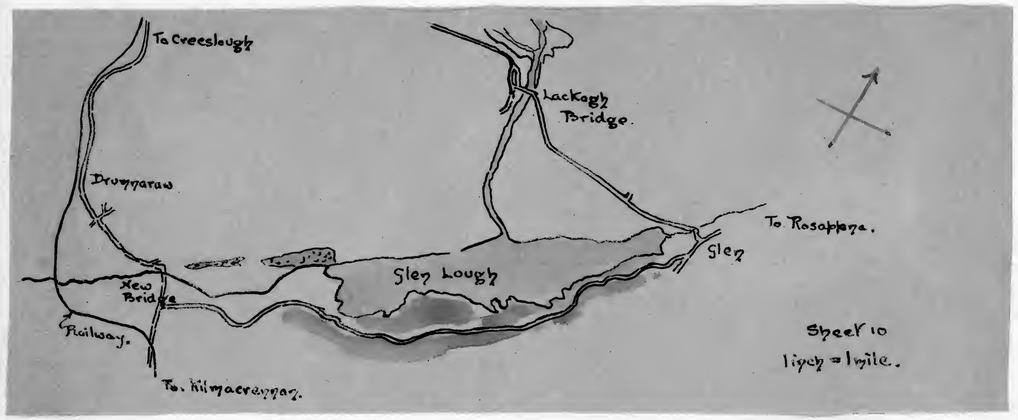
Glenveagh continued.

Carychium minimum	a few seen.
Limnaea truncatula	One specimen on shore of Lake.
" peregra.	Common.

Glen Lough 5th Oct 1905.

Limax arborum.	Plentiful.
agriolimax agrestis	Common.
" laevis.	Frequent.
Vitrina pellucida.	Common.
Vitrea crystallina.	Rare.
" pura.	Common.
" radiatula.	a few.
" nitidula.	Common.
" alliaria.	Common. One specimen of var viridula.
Zonitoides nitidus.	a few only.
arion ater.	Common.
Pyramidula rotundata.	Common.
Jaminia cylindracea	very common.
Helix nemoralis.	One specimen like those from Glenveagh
Vertigo antivertigo " substriata " pygmaea.	all three under stones by road side north of New bridge.

Glen Lough continued.

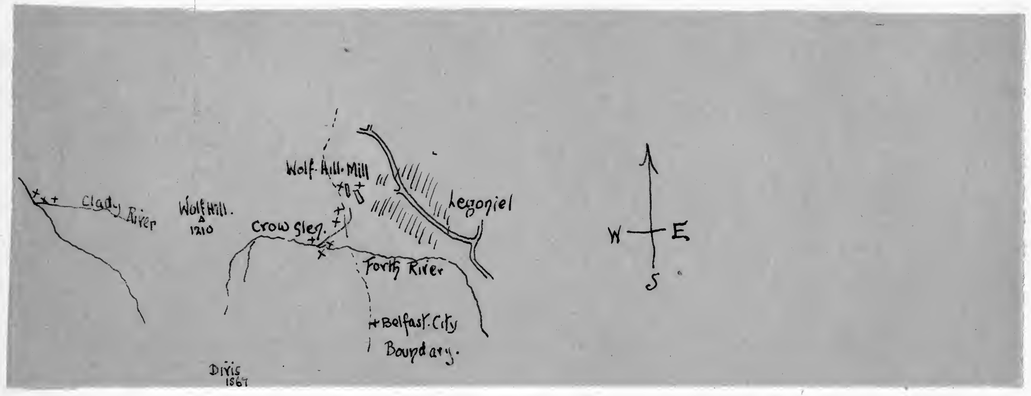


Legoniel, Wolf Hill & Crow Glen.
Belfast Co, Antrim. 7th Jan. 1906.

Limax maximus.	One very young above Wolf Hill Mill.
Agriolimax agrestis.	Common.
" laevis.	Common at Wolf Hill.
Vitrina pellucida.	Frequent, dead.
Vitrea crystallina	Common & very fine specimens.
" cellaria	Common.
" nitidula	A few at Wolf Hill, dead.
" pura	Common & large.
Euconulus fulvus	Wolf Hill.
Arion ater.	Common, young.
" subfuscus	Crow Glen.
" hortensis	Crow Glen.
" fasciatus	Common in both localities.
Pyramidula rotundata.	Common. One white spec. at Wolf Hill.
Hygromia hispida	Common. A few pure white specimens.
Helix nemoralis.	Common in ~~Crow~~ Crow Glen.
Cochlicopa lubrica.	Crow Glen & Wolf Hill.
Jaminia cylindracea.	Common & long.
Vertigo	One young shell at Wolf Hill.
Clausilia bidentata.	Common.
Ancylus fluviatilis.	Crow Glen.

Crow Glen continued.

Limnæa pereger.	Common at Wolf Hill & Crow glen.
" truncatula.	Wolf Hill.
Pisidium pusillum ✓	[Ver. by G. W. S. 1-4-'16]
" nitidum	
" ~~[illegible]~~	
" subtruncatum	



Magheramourne & Glyn. Co Antrim
G. W. S., J. N. Milne & George Donaldson
15th Jan. 1906.

~~Magheramourne continued.~~

Limax arborum.	A young specimen on New Quarry Tip.
Agriolimax agrestis.	Common
" lævis.	Near Glyn.
Vitrina pellucida.	On New Tip.
Vitrea crystallina.	New Tip & at Waterfall.
" cellaria.	Common on New Tip. Dead shells very large. animals blue.
" nitidula.	Frequent.
" pura.	Waterfall, rare.
Euconulus fulvus.	" " " .
Arion ater.	A few young.
" subfuscus.	Railway opposite Old Tip.
" hortensis.	Common.
" fasciatus.	Railway bank.
Pyramidula rotundata.	Common.
Helicella virgata.	A large colony was found on the railway bank opposite the old quarry tip; it contained many varieties & most of the shells were inclined to be high spired.
" caperata.	With above & also in New quarry.
Helix aspersa.	Young on New Tip.
" nemoralis.	Common.
Cochlicopa lubrica.	Common.
Jaminia cylindracea.	Common.
Balea perversa.	One dead shell at Waterfall.
Clausilia bidentata	Common.

Cretaceous

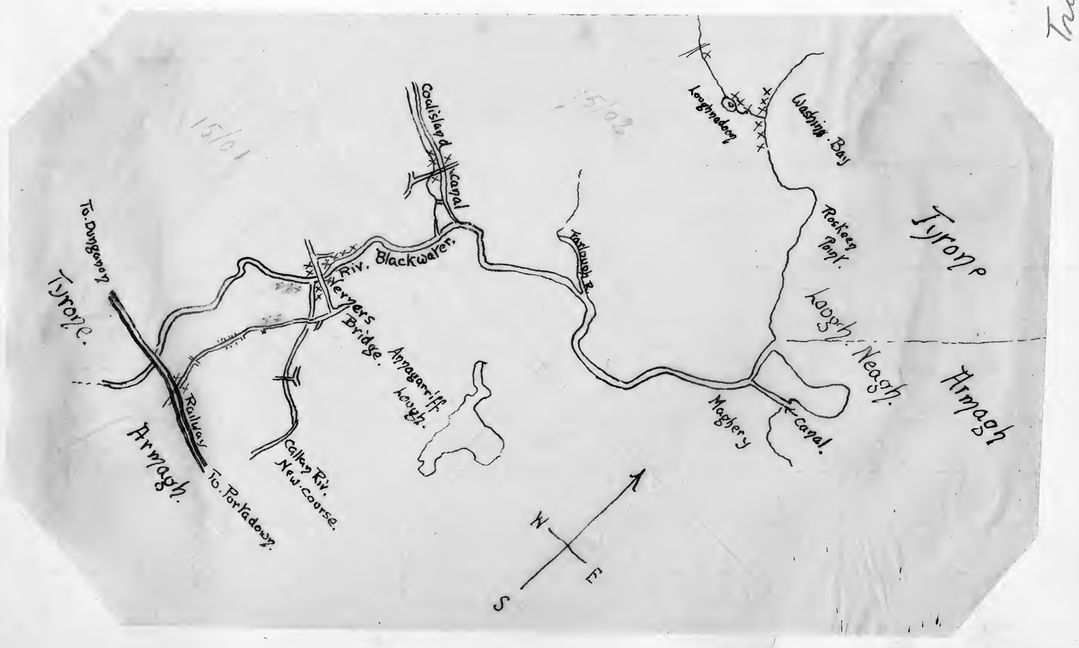
Magheramourn & Glyn continued.

Carychium minimum	Common.
Limnaea truncatula	New quarry & near Glyn.
Aplecta hypnorum	Common near Glyn.
Paludestrina ventrosa.	Fairly common at Glyn.
Pisidium ~~pusillum~~ casertanum	Common near Glyn.
" personatum	

[Ver. by G.U.S. 1-4-16.]

Verner's Bridge, Blackwater & L. Neagh.
22nd Jan. 1906.

Co. Tyrone & Armagh.



Trias & Eocene

Co. Tyrone. Verner's Bridge continued.

Agriolimax agrestis	Canal Bridge, Verner's Bridge & dead on shore of L. Neagh.
Vitrina pellucida.	Fine specimens on canal bridge.
Vitrea crystallina.	Canal Bridge & Verner's Bridge, rare.
" cellaria.	Canal Bridge, young & dead shells.
" alliaria.	One specimen only, on Canal Bridge.
" nitidula.	A few on Canal Bridge.
" pura.	In moss on Roadside near Verner's Bridge.
Arion ater	Common
" subfuscus	Canal Bridge
" hortensis	Canal & Verner's Bridge.
" fasciatus	Verner's Bridge.
Pyramidula rotundata.	Common.
Hygromia hispida.	Young on Canal Bridge & in rejectamenta from L. Neagh.
Helix nemoralis.	Canal Bridge, Common.
Cochlicopa lubrica.	A few dead, only.
Pupa cylindracea.	Verner's Bridge, common.
Balea perversa.	Common in mortar on Verner's Bridge.
Clausilia bidentata	Rare, Canal & Verner's Bridge.
Succinea putris	L. Neagh, rejectamenta.
" elegans	" " "
Limnaea pereger	Drains running into Blackwater & L. Neagh, Var. lacustris.
" palustris	" " " "
" truncatula	One in pool near L. Neagh.
" stagnalis	L. Neagh rejectamenta.
Planorbis albus	Canal & L. Neagh.
" carinatus	Blackwater, Coalisland Canal, and L. Neagh.

Tyrone.	Verner's Bridge, continued.
Physa fontinalis.	Blackwater drains + very common in Canal.
Paludestrina jenkensi.	In myriads, dead, on the shores of L. Neagh, in Washing Bay.
Bythinia tentaculata.	Blackwater drains, Canal + L. Neagh.
Valvata piscinalis.	L. Neagh, dead.
" cristata.	Blackwater drains, Common.
Sphaerium corneum.	L. Neagh rejectamenta + Blackwater drains.
Pisidium amnicum.	" " .
" subtruncatum.	" " .
" pusillum.	" " .

P. amnicum
P. casertanum
P. nitidum
P. milium
P. subtruncatum
P. lilljeborgi
P. hibernicum

[Ver. by G.O.S. 1.4.16.]

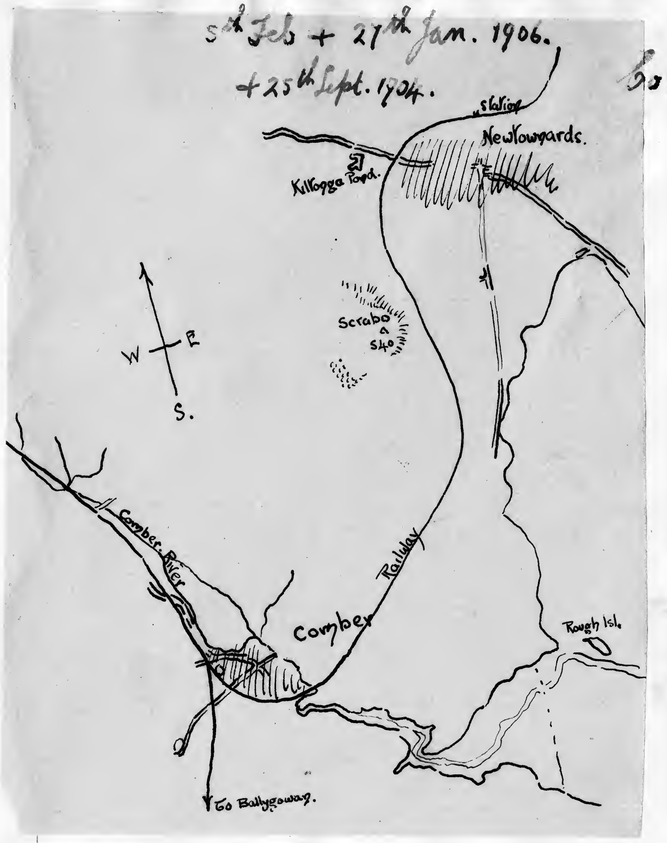
County Armagh.

Limax arborum.	All collected at the west or Armagh end of Verner's Bridge.
Agriolimax agrestis.	
Vitrina pellucida.	
Vitrea cellaria.	
" alliaria.	
" nitidula.	
" crystallina.	
Arion ater.	
" subfuscus.	
Pyramidula rotundata.	
Hygromia hispida.	
Helix nemoralis	
Balea perversa	
Clausilia bidentata	
Succinea putris	Very fine, large + deep coloured.

Comber + Newtownards

5th Feb + 27th Jan. 1906.
+ 25th Sept. 1904.

Co Down.



Principally trias
Scrabo is Old Red

Limax maximus.	Mouth of Comber River near Rough Island. 1904.
" arborum.	In quarry below Scrabo. 1906.
Agriolimax agrestis.	Comber + Newtownards, common.
" laevis	Newtownards, common. Comber River. 1906.
Vitrina pellucida.	Comber + Newtownards, common.
Vitrea cellaria.	Comber, common. Scrabo. 1906.
" alliaria.	Comber. 1904. ~~Scrabo. 1906~~. Newtownards. 1904.
" nitidula.	Comber + Newtownards. 1906.
" crystallina	Comber + Newtownards. 1906.

Comber & Newtownards continued.

Vitrea radiatula.	Near mouth of Comber river. 1904.
" pura.	Comber & Scrabo. 1906.
Euconulus fulvus.	Newtownards, 1906.
Arion ater.	Comber & Newtownards, common.
" subfuscus	Comber & Newtownards. 1906.
" hortensis	Comber, common. Newtownards. 1906.
" fasciatus.	Comber & Newtownards. 1906.
Pyramidula rotundata	Comber, common. Newtownards. 1906.
Hyzromia hispida	Comber, common. Newtownards. 1906.
Vallonia excentrica.	On dyke at Newtownards. 1904.
Helix aspersa.	Comber & Newtownards. 1904
" nemoralis.	Comber, common.
Cochlicopa lubrica.	Comber, common.
Pupa cylindracea.	Comber & Newtownards. 1904
" muscorum.	One specimen on dyke at Newtownards. 1904.
Clausilia bidentata.	Comber & Newtownards. 1904-06.
Succinea ~~putris~~.	Comber. 1904. Newtownards. 1906.
" elegans.	Comber. 1906.
Carychium minimum.	Comber & Newtownards. 1906.
Physa mysotis.	Comber estuary. 1904.
ancylus fluviatilis.	Comber river. 1906.
Acroloxus lacustris.	Comber river. 1906.
Limnaea peregra.	Comber & Newtownards, common.
" palustris.	Comber, common. Newtownards. 1906. One specimen from pond near Comber station measures, 22½ × 10 m.m.
" truncatula.	Comber & Newtownards. 1906.

Also on 5-2-06 from Newtownards.
P. casertanum
P. nitidum
P. personatum
P. milium
P. subtruncatum

[Ver. by A.W.S. 10-4-16]

S. elegans Comber

[Ver. by A.W.S. 19-4-16]

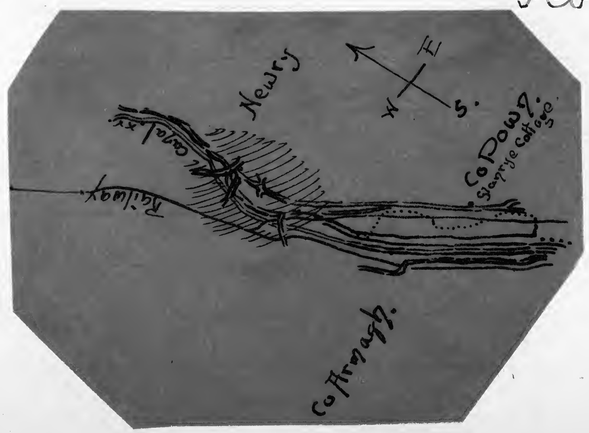
Pisidium casertanum
" nitidum
" personatum
" subtruncatum.
" obtusale.

Comber & Newtownards, continued.

Planorbis albus.	Comber, common. Kiltonga Pond. 1906.
" glaber.	~~Four~~ One in Kiltonga Pond, Newtownards. 1906.
" crista.	Kiltonga pond, common, 1906. One near Comber. 1906.
" spirorbis.	Comber & Newtownards. 1904. & 1906.
" contortus.	Comber, common. Kiltonga, very large. 1906.
Physa fontinalis.	Comber. 1906.
Aplecta hypnorum.	Comber & Kiltonga. 1906.
Paludestrina stagnalis.	Comber & Newtownards. 1904.
(V. vivipara)	(I could see no trace of V. vivipara in these localities.)
Valvata piscinalis.	Comber, common.
Sphaerium corneum.	Comber, common. Newtownards. 1906.
Pisidium pusillum ✓	
" subtruncatum ✓	Comber & Newtownards. 1904. C. Oldham.
" grossissianum ✓	Comber & Newtownards. 1904. C. Oldham.

Verified by A.W.S. 1916.
See Pisidium register vol. 1. p. 7.

Newry, Cos. Armagh & Down.
Feb 12th 1906.



Feb 12-1906.

Newry continued.

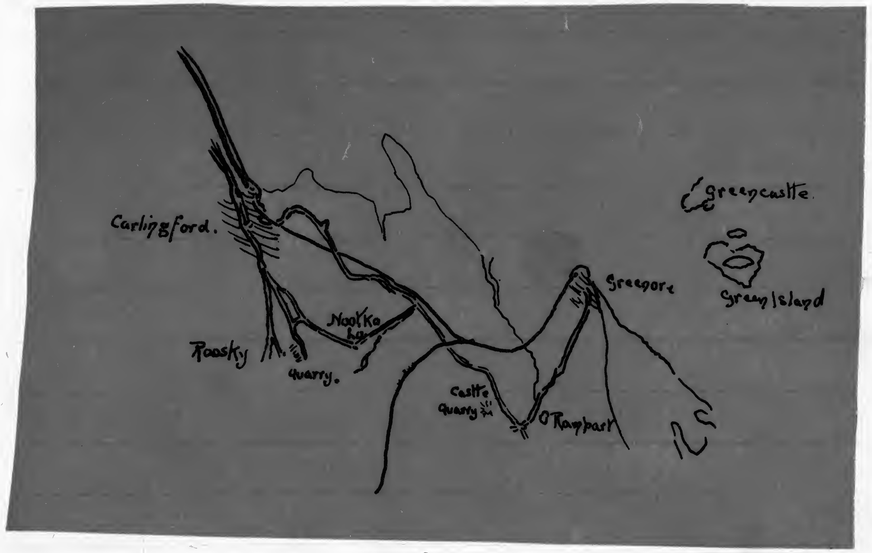
Co Armagh.

Agriolimax agrestis.	all under logs on bank of canal above Barrack's Lock.
Vitrina pellucida.	
Vitrea crystallina.	
" cellaria.	
Euconulus fulvus.	
Arion ater	
" subfuscus	
" hortensis.	
Pyramidula rotundata.	
Pupa cylindracea.	
Clausilia bidentata.	
Limnaea peregra	All in canal above Barracks.
" palustris	
Physa fontinalis.	
Planorbis carinatus.	
Bythinia tentaculata.	
Sphaerium corneum.	
Pisidium pusillum.	

Co Down.

Hygromia rufescens.	On road to Warrenpoint.
Limnaea peregra.	+ var. Baissii.
" palustris.	In ditch between road + railway near Glenyre Att.
Paludestrina jenkinsi.	

Carlingford + Greenore. Co Louth
Feb 12th & 13th 1906.



Agriolimax agrestis.	Common in both localities.
Milax sowerbyi.	One specimen at Carlingford Castle.
" gagates.	Carlingford Castle + Quarries.
Vitrina pellucida.	Common at Carlingford.
Vitrea cellaria	" " "
" nitidula.	" " "
" crystallina.	" " "
Pyramidula rotundata.	" " "
Hygromia hispida	Common at Quarries near Rooskey.
" rufescens.	Common.
Helicella virgata	Greenore Hotel + Quarries at Rampart.
" barbara.	Quarries near Rooskey.
" caperata.	Quarry at Rampart.
Helix aspersa.	Common.

Carlingford + Greenore, continued.

Helix nemoralis	Common.
Arion ater	Carlingford Castle + Quarries near Roosky
" subfuscus	" " " "
" hortensis	" " " "
" fasciatus.	Quarries near Roosky.
Pupa cylindracea	Common.
" muscorum.	Quarries near Roosky.
Vertigo pygmaea.	" " "
Clausilia bidentata.	Common.
Cochlicopa lubrica.	Common.
Succinea pfeifferi.	Quarries near Roosky.
Limnaea pereger.	Common.
" palustris	Nootka lodge marsh + Rampart.
" truncatula.	Quarries near Roosky.
Planorbis spirorbis.	Rampart marsh + Nootka Lodge.
" crista.	" " " "
Valvata cristata	" " " "
Aplecta hypnorum.	" " " "
Pisidium pusillum.	Common.

Pisidium personatum [ver. A.W.S. 8.12-16] from near Carlingford & Rampart.

46

47

Cranfield Point, Co Down.

13th Feb. 1906.

Mostly Silurian
A little Carboniferous

Limax maximus.	Green Castle.
Agriolimax agrestis.	Common.
Milax gagates.	Fair Green, a few only, + Green Castle.
Vitrina pellucida.	Common.
Vitrea cellaria.	Common.
" alliaria	Green Castle + Cranfield Pt, with var. viridula.
" nitidula	a few near Cranfield Pt.
" crystallina	Cranfield Pt.
Pyramidula rotundata.	Common
Hygromia hispida	Common.
Helicella virgata.	From Greencastle Pier to Cranfield Pt, common. 1st record for Co Down.
" barbara.	Common.
Vallonia costata	Common at Cranfield Pt.
"	
Helix nemoralis	Rare.
" aspersa	Common.

Arion ater	Common.
" hortensis	
" fasciatus.	
Cochlicopa lubrica.	Common.
Pupa cylindracea	"
" muscorum	"
Clausilia bidentata	Cranfield Pt.
Vertigo pygmaea	" "
Limnaea peregra	Very Rare.

List of species taken in Banqueting Hall of Green Castle.

B. This is on 1st Floor.

Arion ater. A. fasciatus. L. maximus. Agriolimax agrestis. Milax gagates. Nitrea cellaria + var. viridula. Pupa cylindracea. Helix rotundata. [illegible]

Castleblayney & L. Ross.
Cos. Armagh & Monaghan

Castle Blayney & Loughs Mucknoo & Ross continued.

Co Monaghan. 14th Feb 1906

Limax maximus.	One specimen at Annadrumman.
Agriolimax agrestis.	Common.
" laevis.	Blayney Castle.
Vitrina pellucida.	Blayney Castle.
" alliaria.	& var. viridula. Blayney Castle.
" nitidula.	Blayney Castle.
" crystallina	common.
" pura.	Blayney Castle.
" radiatula.	Annadrumman. One specimen only.
" nitida.	A few on shore of Mucknoo Lake, Blayney Castle.
Euconulus fulvus.	Blayney Castle.
Arion ater.	" " & Annadrumman.
" hortensis.	" " "
" subfuscus.	" " "
" fasciatus.	" " "
Pyramidula rotundata.	Common.
Hygromia hispida.	Blayney Castle & Annadrumman.
Cochlicopa lubrica.	Blayney Castle.
Succinea [illegible]	Blayney Castle. S. pfeifferi
Pupa cylindracea.	Very rare, one specimen at Annadrumman.
Limnaea peregra.	Mucknoo Lake + Annadrumman.
" palustris.	" " "
Planorbis contortus.	" " "
" carinatus.	Mucknoo Lake.

All Silurian

Castleblayney - continued.

Planorbis spirorbis.	Annadrumman.
Physa fontinalis.	Annadrumman & Mucknoo Lake.
Valvata cristata.	Mucknoo Lake.
Bythinia tentaculata.	Mucknoo Lake.
Pisidium pusillum.	Mucknoo Lake & Annadrumman.

(49)

also P. hibernicum - hld! [Ver. a. W. S. 22/11/24]
P. casertanum Mucknoo Lake [Ver. by a. W. S. 6-4-16]
P. casertanum & P. personatum, Annadrumman Lough! [Ver. a. W. S. 8-12-16]

? should be 49A!

14/2/06.

Co Armagh.

Agriolimax agrestis.	Shore of L. Ross.
" laevis.	" " " "
Vitrea nitidula	" " "
Pyramidula rotundata.	" " "
Hygromia hispida.	" " "
Bythinia tentaculata.	L. Ross.
Planorbis carinatus.	" "
" contortus	" " & Cornahove Lough.
Limnaea peregra.	" " " "
" palustris.	" " " "
Sphaerium corneum.	L. Ross.
Physa fontinalis	" "
Pisidium pusillum	Cornahove Lough.
"	" "

(50)

Portrush. Feb 27th 1906.

Co Derry.

Euconulus fulvus.	One dead shell near Glenmanus.
Arion ater.	On bank of Glenmanus stream.
Helicella itala.	Sandhills near Golf Hotel. Dead shells only.
" barbara.	" " " "
Hygromia hispida.	Glenmanus.
Helix nemoralis.	Sandhills.
Limnaea peregra.	Glenmanus stream. L. ovata.
" palustris.	Very large with above.
" truncatula.	Glenmanus.
Pisidium pusillum.	Glenmanus. — mostly P. personatum but also one spec. P. casertanum. [Ver. by a. W. S. 8-12-16]

(51)

Co Antrim.

Agriolimax agrestis.	Portrush sandhills, near White Rocks.
Vitrina pellucida.	" " " " "
Vitrea crystallina	" " " " "
" nitidula.	" " " " "
Hygromia hispida.	" " " " "
Helicella itala.	" "
" barbara.	" "
Helix nemoralis.	" "
" aspersa.	" "
Cochlicopa lubrica.	" " " " "
Limnaea truncatula.	In sand hill hollow about half way to White Rocks.
Pisidium pusillum	Very fine in stream below W. Young's House, White Rocks. = P. casertanum [Ver. by a. W. S. 8-12-16]

(52)

Cleveleys, Lancashire. 14 July 1906

Helicella virgata " caperata Helix nemoralis agriolimax agrestis	all common on the clay banks facing the sea, between Norbrick & Cleveleys.

Naesflaten, Luldalsvand, Norway.

Limax cinerio-niger.	Common, young, on flat ground east of Naes Hotel.
agriolimax laevis	Fairly common in the Valley.
arion ater	Common. 17th July. 1906

Kjendals, Loenvand. 21st July. 1906

agriolimax agrestis " laevis Euconulus fulvus Vitrea radiatula arion ater. " circumscriptus clausilia bidentata	all in scrub on north side of the valley about 1 mile above landing place. + 1/2 mile from foot of Loen glacier.

Eikesdal.

arion ater	common

Mindersunde. 22nd July.

agriolimax agrestis arion ater " fasciatus. agrio. laevis	common on lake shore. (Stryvand)

Romsdalen. July & August. 1906.

Limax arborum	Common in Wood above Hotel Holgenæs.
" cinerio niger	"
" tenellus.	"
agriolimax agrestis	"
" laevis.	Rarer than the preceeding.
Vitrea radiatula & petronella?	Fairly common.
Euconulus fulvus.	a large number in a ruined cottage at "the farm"
Vitrina pellucida.	a few dead shells.
Pyramidula rotundata	Very scarce.
" ruderata.	Also rare.
arion ater	Very abundant, large + all jet black.
" subfuscus.	a few young.
" fasciatus	Rare.
Helicigona arbustorum.	Fairly abundant on the talus below Mjelva Fjeld.
Helix hortensis	One dead, broken shell on talus, 1/4 mile below Holgenæs H.
Balea perversa	Two specimens in the wood.
Clausilia bidentata	Common.
Vertigo ~~pygmaea~~ alpestris	[a.U.S. 1916] One specimen (Kennard says it is V. parcedentata = Levenensis)
" pusilla	One specimen
Sphyradium edentulum.	Rare.
Limnaea truncatula	Very common near Sogge Bridge.
" peregra	a few in small pond opposite Romsdal Horn.
Pisidium nitidum?	Common with the last in muddy stream
" casertum	
" ostrinum	" " " " " " "

Mainly Schartore

53

9th Sept. 1916.

River Barrow & its shores. Co. Queens Co.

Agriolimax agrestis	Common
" laevis.	Lee Castle Common.
Vitrea cellaria	a few.
" nitidula	Rare, Lee Castle.
" crystallina	a few.
Zonitoides nitidus	Common at Lee Castle.
Euconulus fulvus.	a few only.
Arion ater	Common.
Pyramidula rotundata	Common.
" rupestris	at the bridge over River Barrow near Monasterevan
Helicella virgata	Lee Castle, common.
" itala	Rarer than virgata.
" caperata	Common. Lee Castle.
" barbara.	On canal bank between Lee Castle & Portarlington.
Hygromia rufescens	Common.
Vallonia excentrica	Common at Lee Castle.
"	
Helix aspersa	Lee Castle
Cochlicopa lubrica.	Common.
Jaminia acuta.	Very rare, a few on canal bank near Portarlington.
" cylindracea.	Common
Vertigo pygmaea	Lee Castle
" antivertigo	Lee Castle
Clausilia bidentata	Common
Succinea pfeifferi.	Common
Carychium minimum.	Common

All Carboniferous

River Barrow continued

Limnaea peregra.	All common in Canal & River Barrow.
" palustris.	
" stagnalis.	
" truncatula.	
Planorbis carinatus	Common.
" contortus	Common.
" umbilicatus	Some fine specimens in a pool near bridge over Barrow.
Physa fontinalis.	Common.
Bythinia tentaculata.	Very common.
Valvata cristata.	also common.
" piscinalis.	a few.
Sphaerium corneum.	Common.
Pisidium nitidum	(54)
" pusillum	[rec. by A.W.S. 8-12-16]
" subtruncatum	
" obtusale	

All from Co. Kildare (See p. 53.) Queens Co. specimen missing.

River Barrow & shores. Kings County. 9th Sept. 1916.

Agriolimax agrestis	Common.
Balea perversa.	One dead on an old willow.
Limnaea peregra.	Very common.
" palustris.	
Physa fontinalis.	common
Planorbis carinatus	common
" umbilicatus.	
" contortus	common.
Bythinia tentaculata	"
Valvata piscinalis.	"
Sphaerium corneum	"

Monastereven & Riv. Barrow to Portarlington. 9th Sept. 1900.

Agriolimax agrestis	Vitrea lucida. one specimen dead with H. hortensis. Specimen catined. See also 27.9.10
" laevis.	
Vitrea cellaria	
" crystallina	Canal bank near Monastereven. Common.
Euconulus fulvus.	
Arion ater.	
Pyramidula rotundata ?	
" rupestris	a bridge over Barrow, dividing Kildare from Q. Co.
Helicella virgata	
" itala	all very common on bank at Monastereven.
" caperata	
" barbara.	
Vallonia costata	
" pulchella	✓ Correct! A.W.S. 1924
"	
Hygromia rufescens	Common
Helix aspersa.	a few.
" hortensis.	Two specimens in lane leading from canal.
Cochlicopa lubrica.	Common
Pupa cylindracea	Common
" muscorum	Canal bank, a few.
"	
Vertigo pygmaea	a few.
Clausilia bidentata	Common.
Caecilioides acicula	about 12 specimens under small stones on canal bank.
Carychium minimum	Common.

Monastereven continued.

Limnaea peregra	
" palustris	
" stagnalis	all very common.
" truncatula	
Succinea pfeifferi	
"	
Physa fontinalis	common.
Planorbis fontanus	One alive & one dead in canal & at bridge.
" carinatus	Common.
" albus.	Dead only.
" contortus	Common.
Bythinia tentaculata.	Very Common
Valvata cristata	Both common
" piscinalis	
Sphaerium corneum	Common.
" lacustre.	a few dead in Canal.
Pisidium pusillum	Common. [all ver. by A.W.S. 8-4-16.]
" nitidum	
" subtruncatum	
" obtusale	
Bythinia leachii.	a few specimens in Canal. (R. Welch) NB. This is the first recorded locality for leachii in Ireland, but J. R. Hardy got it in this canal about 30 years ago, but did not publish his find.
Planorbis umbilicatus	Common in Canal. drain

10th Sept 1906.

Shore of Lough Corrib at Kilbeg. N.E. Galway.

Limax arborum.	a few in Wood above pier.
Agriolimax agrestis.	common.
" laevis.	On shore at pier.
Milax sowerbyi.	a few of each on shore.
" gagates.	
Vitrea crystallina.	In wood common.
" cellaria	Common
" alliaria	Rare.
" nitidula.	a few only..
" pura	In wood, a few above pier..
" radiatula	Rare.
Euconulus fulvus	common.
Zonitoides nitidus	common on shore.
Arion ater.	all frequent by roadside.
hortensis.	
fasciatus.	
Sphyradium edentulum.	In moss shakings.
Pyramidula rupestris	Both very common.
" rotundata	
Helicella virgata	all fairly abundant.
" caperata	
" itala	
Punctum pygmaeum.	Moss shakings.
Hygromia hispida	common.
" rufescens	
" fasca.	on trees in wood north of pier.

Carboniferous

Kilbeg continued.

Acanthinula aculeata.	Moss shakings in wood 2 miles north of pier.
" lamellata	
Vallonia excentrica	
"	
Helix nemoralis	common.
" aspersa.	
Cochlicopa lubrica.	
Carychium minimum	
Pupa anglica.	a few in Moss shakings.
" cylindracea.	Common.
Balea perversa.	Rare.
Clausilia bidentata.	Common
Vertigo pygmaea.	common
" substriata.	Rare. moss shakings.
" antivertigo.	common
Physa fontinalis.	common.
Limnaea peregra	all common in L. Corrib.
" palustris	
" stagnalis	
" truncatula	
Succinea pfeifferi.	common.
Planorbis albus	Rare.
" spirorbis	common
" contortus	Common.
"	Common.
Ancylus fluviatilis	Fairly common.

Kilbeg continued

Valvata cristata	All common in L. Corrib
" piscinalis	
Bythinia tentaculata	
Sphaerium corneum	
Pisidium fontinale	= P. subtruncatum
" pusillum	Verified by Charles Oldham
" milium	
acme lineata	In moss shakings.

(57)

all correct! A.W.S. 8-12-16.

Ballindooley & Clare-Galway - 13th Sept 56 N.E. Galway.

Limax maximus	Very common under Coffin boards at Clare-Galway abbey.
" flavus	
" arborum	
Agriolimax agrestis	Ballindooley common.
" laevis	
Vitrea alliaria	Common
" cellaria	
" crystallina	
Euconulus fulvus	Ballindooley
Arion ater	Common.
" subfuscus	Clare-Galway.
" intermedius	Clare-Galway common.
" hortensis	Common.
Helicella virgata	Common on roadsides.
" cuperata	One (Wright) at Ballindooley.

Carboniferous

Ballindooley & Clare-Galway continued.

Helicella itala	Fairly abundant on roadsides.
Pyramidula rupestris	All very common.
" rotundata	
Hygromia hispida	
Vallonia	
Helix nemoralis	Clare-Galway abbey.
" aspersa	common.
Cochlicopa lubrica	All common
Carychium minimum	
Pupa cylindracea	
Vertigo antivertigo	Ballindooley.
Balea perversa	Common at Clare-Galway.
Clausilia bidentata	Common.
Succinea putris	Clare-Galway, a few near river.
" pfeifferi	Common.
Physa fontinalis	Common.
Limnaea peregra	All common
" palustris	
" truncatula	
" stagnalis	
Planorbis albus	Common.
" contortus	
" spirorbis	
" umbilicatus?	Named by Chester & Glendon
Valvata cristata	Common.
" piscinalis	

Ballindoolz continued.

Sphaerium corneum	Common.
" lacustre	Abundant in drain below Ballindoolz Castle.
Pisidium pusillum	(59)
" nitidum	all in lake below Ballindoolz Castle.
" fontinale	Verified by Charles Oldham.
" nitidum	
" stagnale	Marshes East of Galway Station. N.E. Galway. 17th Sept 06.

Agriolimax agrestis.	all common on the marshy ground between railway & sea, east of Salthill.
" var lilacina.	
Milax gagates.	
" sowerbyi.	
Arion hortensis.	
Vitrea cellaria.	
Vitrina pellucida.	
Pyramidula rupestris	
" rotundata	
Hygromia rufescens	
Helicella virgata	
" itala.	
Helix nemoralis	
" aspersa.	
Cupa cylindracea	
Clausilia bidentata	
Carychium minimum	

Ross & Moyculleen. West Galway. 12th Sept. 06.

Limax maximus.	In church near Station
" arborum.	In wood on shore of L. Ross.
Agriolimax agrestis	Common
" laevis.	Common.
Vitrina pellucida.	a few dead in wood.
Vitrea cellaria	all in wood near L. Ross.
" nitidula	
" pura.	
" alliaria	
" radiatula	
" crystallina	
Zonitoides nitidus	Common on shore of L. Ross.
Euconulus fulvus.	Common.
Arion ater.	all frequent: Var. succinea of a. ater was found near Ross station.
" hortensis.	
" subfuscus.	
Pyramidula rupestris	Common.
rotundata.	
Helicella itala	In hedges at roadside.
" caperata	Rare along the shore of lake. Common at Ross station.
Hygromia fusca.	a few in wood on shore of Lake.
" hispida	Common
" rufescens	Very common
Acanthinula aculeata	On bark in wood.
" Carelliana	on trunks of trees in wood.
Vallonia pulchella	Common near small lake below Tempulbegnavine.

√ Correct! Aug. 1924.

Ross & Moycullen continued.

Helix nemoralis.	Common. In bramb shin along railway bank.
" aspersa.	Common.
Cochlicopa lubrica.	Common.
Carychium minimum	Common.
Sphyradium edentulum	In wood rare.
Vertigo substriata	a few understones near small lake.
" pygmaea	Common
" antivertigo	common.
Pupa cylindracea	Common.
" anglica	Common in wood on trees.
Balea perversa.	Rare in wood.
Azeca tridentata	Common.
Physa fontinalis	Common.
Aplecta hypnorum.	common in drains running into small lake.
Succinea pfeifferi.	common.
Limnaea peregra " palustris " truncatula " stagnalis	all common in L. Ross.
Planorbis albus	Common.
" glaber	One dead (Collier) in L. Ross.
" contortus	Common.
" spirorbis	common.
~~" rotundatus~~	~~dead (Collier) in L. Ross : very doubtful~~
Acme lineata	In moss shakings from wood.
Bythinia tentaculata	common

Only P. pusillum yet Septemporalis ? &c 1910

Ross & Moycullen continued.

Valvata cristata " piscinalis	both common in L. Ross & small lake.
Neritina fluviatilis	common in L. Ross.
Anodonta cygnea	one or two dead valves on shore of L. Ross.
Sphaerium corneum.	common
Pisidium pusillum	common. P. nitidum, P. pusillum, P. milium [Ver. by A.E.S. 9-12-16] (58)

Ballyquahwich. W. Galway, 14th Sept. 06.

Limax arborum	common.
agrestis apertis	common
Vitrea cristallina " alliaria " radiatula " pura.	all frequent.
Euconulus fulvus	common.
arion ater. " subfuscus. " hortensis.	Near station.
Punctum pygmaeum.	a few only.
Sphyradium edentulum.	Rare in wood.
Pyramidula rupestris.	Near station
" rotundata	common
Hygromia fusca	about 8 in wood.
Acanthinula lamellata	Fairly common.
Helix nemoralis	Rare.
Cochlicopa lubrica.	common.

Ballynahinch continued.

Carychium minimum	common.
Vertigo lilljeborgi	a few in moss at North end of lake & about six under stones at other end near outlet.
" antivertigo.	common.
Pupa anglica	common
" cylindracea	common.
Balea perversa.	Rare, only a few.
Clausilia bidentata	common.
Succinea pfeifferi.	common.
Limnaea pereger	all common.
" palustris	
" truncatula	
Planorbis spirorbis	common
" contortus.	
Bythinia tentaculata	
Pisidium pusillum	common.
"	

(60)

Shore of Cregduff Lough Roundstone
West Galway. 17th-19th Sept. 1906

Zonitoides nitidus.	common.
Euconulus fulvus.	common.
Punctum pygmaeum	Very common.
Vertigo antivertigo	abundant
" pygmaea	common
" substriata	a few only.

Granite

Cregduff Lough continued.

Vertigo lilljeborgi.	a few in dead typhus injectamenta with other Vertigoes.
Pupa anglica.	common.
Ancylus fluviatilis	common
Limnaea pereger.	all common.
" truncatula	
" palustris.	
Planorbis albus.	common
Pisidium pusillum (1)	both common.
" fontinale. (1)	

? P. casertanum Poli & P. personatum, Malm (2)

(61)

Wood above North side of Dog's Bay
West Galway 18.9.06.

Limax maximus	a few
" arborum.	common
Agriolimax agrestis.	common.
Vitrea radiatula	a few of each.
" nitidula	
" pura.	
" crystallina	
Arion ater	common
" hortensis	
" intermedius	a large number
" subfuscus.	both common.
" fasciatus.	
Pyramidula rotundata	common.
Cochlicopa lubrica.	

Wood above Dog's Bay.

Carychium minimum.	common.
Pupa anglica.	V. common
" cylindracea.	abundant
Balea perversa.	common.

Maureen Lough & Sand Dunes. 11.9.06
West Galway.

Limax arborum.	a few near lake
Agriolimax agrestis	Common
" var. lilacinus.	a few on edge of lake.
Vitrea cellaria	a few only.
Helicella virgata	Common on dunes.
" italica	Abundant on dunes
" barbara.	Abundant. -
Hygromia hispida	common
Helix nemoralis	Rare.
" aspersa.	a few.
Vertigo pygmaea	Common.
" substriata	Very scarce near lake.
" antivertigo.	common.
Arion ater.	Frequent
" subfuscus.	
" hortensis.	
Pupa anglica	Common
" cylindracea	common
Succinea pfeifferi.	Common.

Granite.

Maureen continued.

Ancylus fluviatilis	a few. Scarce.
Limnaea peregra	Common
" palustris	
Planorbis albus	Common
" crista	Rare.
" spirorbis.	common.
Valvata piscinalis	common
Limnaea truncatula	Common.
Pisidium obtusale	common.
" fontinale	"
" pusillum	"

(63) [Ver. by A.W.S. 8-12-16]

P. casertanum
P. nitidum
P. personatum

All Pisidia on Galway trips.
Identified by Mr Charles Oldham.

Ballinaboy Bridge, West Galway 12.9.06.

Vitrea cellaria	a few.
Arion ater	Common
Pyramidula rotundata	common.
Hygromia rufescens	common
Vertigo pygmaea.	a few.
Pupa anglica	one specimen.
" cylindracea.	Common
Planorbis albus.	common
Bythinia tentaculata	common.
Pisidium nitidum	[Ver. by A.W.S. 9-12-16.]
" personatum	

(62A)

Inishmacdara, West Galway. 16th Sept 06.

Vitrina pellucida	one or two alive & some dead.
Amalia gagates	a few near church.
Agriolimax agrestis	common.
" laevis.	In marsh near church.
Vitrea cellaria	common
" nitidula	a few.
Arion ater	Rare.
" subfuscus.	Rare.
" Hortensis.	Frequent.
Pyramidula rotundata	common
Punctum pygmaeum	common in marsh & rocks.
Helicella itala	common
" acuta	common.
Vallonia	a few = pulchella & excentrica. A.N.S. 1924 (16th also fide Hugh Watson!)
Hygromia hispida.	common.
Helix nemoralis.	common
" aspersa.	common.
Cochlicopa lubrica.	common.
Vertigo pygmaea.	common
" substriata.	a good few in marsh.
Pupa cylindracea	common
Balea perversa.	Rare on church walls.
Limnaea truncatula.	In marsh

Granite

Carrawalla Rt, Dogs Bay. W. Galway. 19th Sept.

Agriolimax agrestis	
Milax gagates.	a few
Vitrina pellucida.	a few dead, one alive.
Agriolimax laevis.	
Vitrea cellaria	
" nitidula	Rare.
Arion ater	
" Hortensis	
" subfuscus.	
Helicella itala	
" virgata	
" acuta	
Hygromia hispida	
Helix nemoralis.	
" aspersa.	
Vallonia	
Cochlicopa lubrica.	
Carychium minimum	
Vertigo pygmaea	
" substriata	Rare
" antivertigo	
" angustior.	Abundant.
Pupa cylindracea	
" anglica.	Very common
Succinea pfeifferi	
Aplexta hypnorum.	Rare in pools.

Granite

All the rest were common.

Caravalla continued.

Limnaea peregra	Common in pools.
" truncatula.	

Gorteen Pt Dogs Bay. 15th & 19th Sept.

Vitrina pellucida	a few dead.
Vitrea radiatula	common.
" pura.	Scarce.
Apiolimax laevis	Common.
" agrestis.	common.
Milax gagates.	a few.
Arion ater	common
" hortensis	common
Sphyradium edentulum	a few in Mon shaking.
Punctum pygmaeum	Very frequent.
Granidula rotundata	common.
Helicella itala	Common
" virgata	Common. Dogs Bay. Not on Point.
" barbara.	Common.
Hygromia hispida	Common.
" ~~rufescens~~	~~Common.~~ This must be an error of somebody's A.W.S. 1915.
Vallonia costata	Very scarce
" pulchella.	Common. √ Correct - A.W.S. 1924.
Helix nemoralis	Common.
" aspersa	common.
Acanthinula aculeata	a few only.
Cochlicopa lubrica	Common
Carychium minimum	Common.
Balea perversa.	Frequent on stone walls.

Fragments

Gorteen Pt continued.

Clausilia bidentata	Rare.
Vertigo pygmaea	common.
" substriata	Frequent
" antivertigo	common.
" ~~edentula~~	.
" angustior.	In abundance under stones in marshy places.
Pupa anglica	With V. angustior very common, dark & large.
" cylindracea.	Common
Succinea pfeifferi.	Common.
Physa fontinalis.	Common & very large in pools.
Limnaea peregra.	All common
" palustris	
" truncatula.	
Planorbis crista	common
" spirorbis.	abundant.
Acicula lineata	a few in rivers shaking.
Pisidium pusillum	common
" subtruncatum.	common.

P. casertanum,
P. nitidum
P. personatum,
P. milium,
P. subtruncatum

(63)

[Ver. by A.W.S. 8-12-16.]

Inishmore, Aran Islands, Clare. 11th Sept. 06

Agriolimax agrestis	common
Milax sowerbyi	Near harbour.
" gagates.	North west of harbour
Vitrina pellucida.	a few alive.
Vitrea cellaria	common.
" alliaria	common.
" crystallina	} a few each.
" radiatula.	
Euconulus fulvus.	common.
Zonitoides nitidus	a few
Arion ater	common
" hortensis	common
Helicella caperata	Rare.
" virgata	Common
" itala	Common
" barbara.	common.
Pyramidula rotundata	Common
" rupestris	common.
& var alba.	a few under trees below village.
Hygromia hispida	Common
" rufescens.	common
Vallonia excentrica.	a few. = pulchella + excentrica! one of each! A.W.S. 1924 (both also fide Hugh Watson)
Helix aspersa.	common
& var exalbida	(Standen) one specimen.
" nemoralis.	common. (Standen).
Cochlicopa lubrica.	common.

Carboniferous

Inishmore continued.

Vertigo pygmaea	Very common
" antivertigo.	~~[illegible]~~. Rare.
Pupa cylindracea	common
Clausilia bidentata	common.
Paludestrina ventrosa.	common in salt lake North of harbour
" ~~jenkinsi? Very doubtful~~.	Only a tumid form of ventrosa. [A.W.S. 1916.]
	Drogheda + Sand Dunes at Mouth of Boyne. Co Meath 20th Sept. 06.
Agriolimax agrestis	common.
Milax sowerbyi.	a few very large.
Vitrea cellaria	common.
" lucida	common on embankment ¼ mile east of viaduct.
" pura.	a few.
Arion hortensis	common
" subfuscus.	Rare
" fasciatus.	Rare.
Helicella barbara	Common
" virgata	Common
Pyramidula rotundata	common
" rupestris.	common
Vallonia excentrica	common.
Hygromia hispida	Common. One semi-scalaiform dead in riv. bank.
" rufescens	Common
Helix nemoralis	Common
" aspersa	Common
" pisana.	Very common & var. alba. on coast sand-dunes.

Carboniferous

Drogheda continued.

Cochlicopa lubrica	Common.
Carychium minimum	common.
Vertigo pygmaea	One specimen
" antivertigo	One specimen
Pupa muscorum	Very common with H. Lucida.
" cylindracea.	common.
Clausilia bidentata	common.
Succinea putris	Some fine specimen on bank of river.
" pfeifferi.	a few dead in rejectamenta.
Caladestrina jenkinsi	Under viaduct.
" stagnalis.	In river.
Physta hypnorum	a few dead on embankment.
Limnaea truncatula	Common.
Planorbis carinatus	Rejectamenta
Valvata piscinalis.	only.

Islandmagee 26th Dec. 1906.

Bulimus obscurus	On chalk south of Hills Port near the water holes.
Vitrina pellucida.	Common crawling on snow.
Hyalinia nitidula	Alive common.
Vertigo pygmaea	One spec. in marsh south of Hills Port.
Helix rupestris.	Common in crevices of the chalk at Hills Port.

Carbonear

Armagh & district — Millford & Navan Fort.
13th April 1907.

Limax maximus	One at Ballynahone Bridge.
" flavus	One specimen on Millford road.
Agriolimax agrestis	Common at Ballynahone & Navan Fort
" laevis.	One on edge of small lake below Navan Fort hereafter called Navan Lough.
Milax gagates	A few on Millford road with L. flavus.
Vitrina pellucida	Navan & Ballynahone, dead.
Vitrea crystallina	" "
" cellaria	Common & very large in both localities
" nitidula	1 dead at Ballynahone.
" pura	Common in moss at Ballynahone.
" radiatula	A few at Ballynahone.
Euconulus fulvus.	One at Navan Lough. R.W.
Arion ater.	Common at Navan & Ballynahone
" subfuscus	" " "
" intermedius.	Ballynahone only.
" hortensis.	" "
" fasciatus.	Both localities.
Pyramidula ~~rupestris~~ rotundata	Common everywhere.
Hygromia hispida	Common in both localities & var. hispidosa
" rufescens	On old road near nunnery.
Acanthinula aculeata.	One on bluff above Navan Lough.
Vallonia excentrica.	One edge of Navan Lough.
Helicigona arbustorum.	Several dead & 1 alive in fosse of Navan Fort. Discovered here about 10 years ago by J. N. Milne.

Mainly ~~Cartoniferous~~ Carboniferous

Armagh continued.

Helix aspersa.	Ballynahone & Navan.
" nemoralis.	Navan Fort. Some nice varieties.
Cochlicopa lubrica.	Ballynahone & Navan Lough.
Jaminia cylindracea.	Common.
Clausilia bidentata.	Common.
Succinea pfeifferi.	A few dead in drain from Navan quarries.
Carychium minimum.	Ballynahone.
Acrolaxus lacustris.	Ballynahone & Millford Road.
Limnaea peregra.	Common. Var. ovata.
" palustris.	Common. Ballynahone & Navan Lough.
" stagnalis.	Ballynahone & Millford Road.
" truncatula.	Navan Lough.
Planorbis albus.	Ballynahone, Millford Road & Navan quarries.
" crista.	Ballynahone, fine specimens.
" umbilicatus.	Very large in drain on Millford Road
" contortus.	½ a mile before Ballynahone Bridge. Common in all localities.
" fontanus	Ballynahone & Navan quarries.
Physa fontinalis.	Millford Road & Navan Lough.
Bythinia tentaculata.	Common. Very obese form.
Valvata piscinalis.	Only at Navan Lough.
" cristata	Common.
Sphaerium corneum.	Common.
Pisidium subtruncatum	√ [G.W.S. 1916]
" pusillum.	√

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Bramhall, Cheshire. Dec. 1905.

Arion ater
Agris. apestis.
Pyramidula rotundata.
Vitrina pellucida.
Vitrea nitidula.
" pura.
" alliaria.
Arion fasciatus.

} all in Robin's Lane.

Trivia

Hayfield, Derbyshire. Dec. 1905.

Hygromia hispida.
Vitrea alliaria.
" nitidula
Vallonia excentrica
Limnaea pereger.
Planorbis albus.
Pisidium

~~casertanum.~~ [Ver. by G.W.S. 1916.]

Pisidium nitidum. } [Ver. by G.W.S. 1916.]
" pusillum.
" subtruncatum.

Millstone Grit

New Malden, Surrey. Dec. 1905.

Clausilia bid.
Aplecta hyspnorum.

Richmond Park. Surrey. Dec. 1905.

Limnaea pereger
" palustris
" stagnalis
Planorbis albus
" vortex.
Pisidium casertanum.
" milium. } [Ver. by G.W.S. 1916.]
" subtruncatum.

Hogs Mill River, near Malden. Surrey. Dec. 1905.

Limnaea pereger
" palustris
" truncatula
Planorbis vortex
" umbilicatus
" spirorbis
" contortus
Physa fontinalis.
Valvata piscinalis.
Bythinia tentaculata
Neritina fluv.
Sphaerium corneum.
Pisidium ~~pusillum~~

Casertanum [Ver. by G.W.S. 1916.]

Guildford & Shalford. Dec. 1905. Surrey.

Arion subfuscus.
" hortensis.
Agrio. agrestis
" lævis.
Vitrina pellucida.
Vitrea cellaria.
" rogersi.
" alliaria.
" nitidula.
" crystallina.
Pyramid. rotundata
Vallonia costata
Helix aspersa.
" hortensis.
" cantiana.
" nemoralis.
Hygromia hispida.
" rufescens.
Helicella virgata.
" caperata.
Pupa muscorum
" cylindracea.
Clausilia bidentata.
Cochlicopa lubrica.
Planorbis spirorbis one spec. in canal. Pl. leucostoma in pond 1.
" contortus
" umbilicatus

Guildford continued.

Aplecta hypnorum.
Limnæa peregra.
" palustris.
Cyclostoma elegans.
Pisidium pusillum

Small river near Coomb. Surrey.
"Beverley Brook"

Limnæa peregra
Pisidium pusillum

Wimbledon Common, Surrey.

Arion subfuscus

Dorking & Box Hill. Dec. 1905
Surrey.

Arion subfuscus
" fasciatus.
Agrio. agrestis.
Vitrea nitidula
Helix rotundata
" pomatia.
" aspersa.
" nemoralis.
" hortensis.
" cantiana
" rufescens

Dorking continued.

Helix hispida.
" itala.
" coperata.
Ponatius elegans.

Ewell & Banstead. 14.10.06.
Surrey.

Helicella itala.
" coperata.
" virgata.
" cantiana.
Helix rufescens.
" hispida.
" costata.
" aspersa.
" hortensis.
Vitrea cellaria.

Norbury. 20.10.06. Surrey.

Helix virgata.
" coperata.

Bedington. Surrey. 20.10.06.

Helix rufescens.
" aspersa.

Carshalton. Surrey. 20.10.06.

Helix hispida.

Lutton & Banstead. 21.10.06.

Vitrea cellaria.
Helix virgata.
" coperata.
" cantiana

Guildford, Shere & Merrow. Surrey. 28.10.06.

Agrio. agrestis.
Arion. hortensis.
Vitrea cellaria.
" nitidula.
Helix rotundata
" virgata.
" coperata. & one specimen of H. hispinosa
" itala.
" cantiana.
" nemoralis.
" hortensis.
" aspersa.
" hispida.
" rufescens.
Eva obscura.
Vallonia excentrica
Limnaea peregra
Planorbis contortus
" umbilicatus
" spirorbis.
Physa font.

INSET. List of shells taken in deposit (? & drift) on bank of River Thames between Putney and Mortlake, Surrey. G. W. S. Oct. 1906.

Hyalinia cellaria (?), Hygromia hispida and H. rufescens (recent), Limnaea peregra, L. palustris L. auricularia & L. truncatula, Planorbis glaber? P. contortus, P. stroemii, Pl. vortex (recent) P. carinatus (recent), Neritina fluviatilis Bithynia tentaculata, B. leachii, Valvata piscinalis, Paludina vivipara (one specimen full of young) Sphaerium corneum, Pisidium amnicum, P. casertanum, P. supinum, P. henslovanum, and P. pusillum, Unio pictorum and Unio tumidus (?). [G. W. S. 1916]

63A

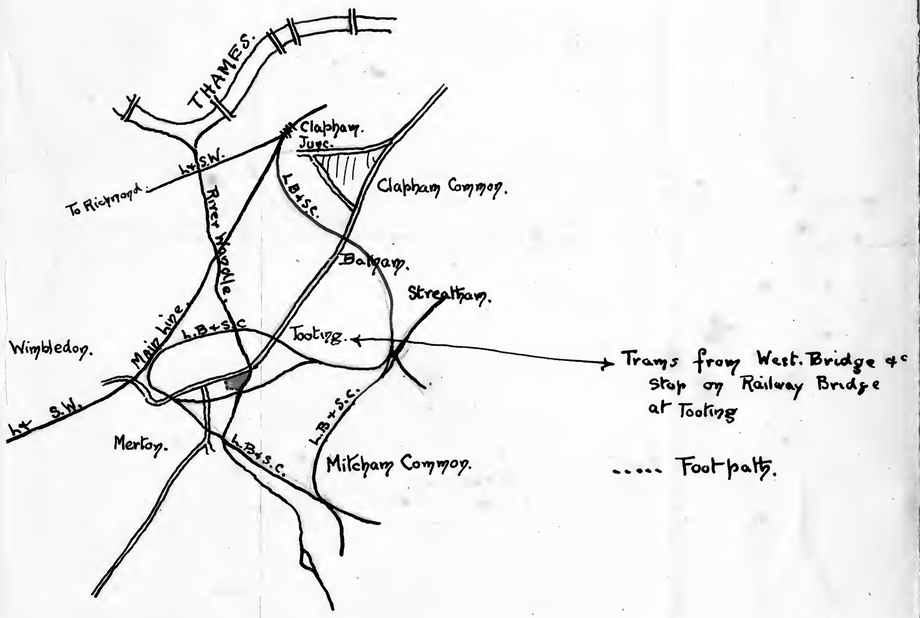
Guildford continued.

(64)

Valvata piscinalis.
Pisidium
"

Merton near Tooting - Surrey. 3.11.06.

Limn. auricularia.
Agris. agrestis.
" lævis.
Vitrea crystallina
" alliaria
Zon. nitida.
Arion ater.
Helix rotundata
" hispida
" rufescens.
" aspersa.
Coch. lubrica.
Succinea putris.
Limnæa peregra.
" palustris.
" stagnalis.
" truncatula.
Planorbis albus
" corneus.
" umbilicatus.
" fontanus.



Merton - continued.

Pl. vortex
" contortus.
Physa. font.
Byth. tentaculata
" Leachii.
Valvata cristata
" piscinalis
Neritina flav.
Sphaerium corneum.
Pisidium pusillum
" fontinale.

(65)

} The only Pisidia I can find in my collection from this locality are P. obtusale, tumid form. P. subtruncatum, small form.

Leatherhead, Dorking, Box Hill & Headley.
St Patrick's Day 1907.

Arion hortensis
(Amalia gagates) One on footpath - South Lambeth Road. S.W. Surrey.
Apis. apestis.
Vitrina pellucida.
Vitrea cellaria.
" rogersi.
" alliaria.
" nitidula
" pura
" crystallina
" fulva.

Boxhill continued.

Helix rotundata
" aculeata
" lapicida
" pomatia.
" aspersa.
" nemoralis.
" hortensis.
" rufescens.
" hispida.
" itala.
" virgata.
" caperata.
" cantiana.
Ena obscura.
Pupa muscorum.
Carychium min.
Clausilia bidentata
" laminata
Coch. lubrica.
Pom. elegans.
Sphyradium edentulum.

Walton on Thames. Feb. 07. Surrey.

Helix arbustorum
Anodonta cygnea
Unia pictorum.

Merton, near Tooting, Banstead & Carshalton
Surrey. 21.4.07.

Arion ater
" intermedius
" hortensis
Agrio. agrestis
" laevis.
Vitrea cellaria
" rogersi.
Helix rotundata
" excentrica?
" aspersa.
" nemoralis.
" arbustorum.
" cantiana.
" rufescens.
" hispida
" caperata — Banstead
" itala — Near Banstead.
Coch. lubrica.
Succinea putris?
Planorbis albus
" vortex.
" umbilicatus
" corneus.
" contortus.
Physa font.

Merton &c continued. 21.4.07.

Limnaea peregra
" palustris
" stagnalis.
Byth. tentaculata
" leachii.
Valvata piscinalis
" cristata.
Sphaerium corneum.
Pisidium milium
" fontinale
" pusillum.

(68) see 65 p82.

Merton near Footing. 27.4.07
Alex S & C.P.H.

arion ater
agrio. agrestis.
Vitrea cellaria
" rogersi.
" nitidula.
Helix rotundata.
" hispida
" rufescens.
" nemoralis.
" arbustorum.
" aspersa.
Coch. lubrica.
Succinea putris.

Merton continued. 27.4.07.

Planorbis albus
" vortex
" spirorbis.
" contortus.
" umbilicatus.
" corneus.
Physa font.
Aplecta hypnorum.
Limnaea peregra.
" palustris
" stagnalis.
" truncatula.
Byth. tentaculata
" leachii.
Carychium min.
Valvata piscinalis
" cristata.
Sphaerium corneum.
Pisidium
" milium.
"

(69) See 65 p82.

Box Hill. 28.4.07. Surrey.

Vitrea crystallina
" radiatula
" pura.
" alliaria.
Coccilioides acicula
Vitrina pellucida

Lake 1 mile S.W. of Lingfield, Surrey. 7.5.07.

Planorbis spirorbis
Vitrea nitidula
Coch. lubrica.
Helix hispida
Carychium min.
Pisidium pusillum.

(70)

Box Hill. 5.5.07. Surrey.

Helix pomatia.

Godstone, Surrey. 14.5.07.

Arion hortensis
Agrio. agrestis.
Vitrea crystallina
" cellaria.
Helix rotundata
Coch. lubrica

Godstone continued.

Pomatias elegans.
Limnaea pereger.
Sphaerium corneum
" lacustre.

Westerham Kent West. 14.5.07.

Helix hispida
" hortensis.

Kew Gardens & embankment to Richmond
AWS & CPH. Surrey. 25.5.07.

Arion ater
" hortensis
Agrio. agrestis.
Vitrea cellaria
" nitidata
Helix aspersa.
" hortensis.
" nemoralis.
" rufescens.
" hispida.
Coch. lubrica.
Succinea elegans.
Planorbis fontanus.
" albus.
" vortex
" carinatus

Kew continued. 25.5.07.

Planorbis umb.?
" corneus.
" contortus.
Physa fontinalis
" acuta? In Lily Tank. Probably an American species & not P. acuta
Limnaea peregr.
" palustris.
" stagnalis
Vivipara vivipara
Bythinia tentaculata
" leachii.
Valvata cristata
Anodonta cygnaea.
Sphaerium corneum.
" lacustre.
Pisidium henslowianum.

(71)

Clayton. Sussex W. 3.3.07.

Helix virgata.
" caperata.
" nemoralis. Tunnel near Brighton
" cantiana.
" rufescens.
Vitrea nitidula
Coch. lubrica

Rye. Sussex East. (Sat. Whit. 1907)

Arion intermedius
Agrio. agrestis.
Vitrea cellaria.
Helix hispida
" rufescens.
" rotundata
" virgata.
" ~~caperata~~.
" cantiana.
" hortensis
" aspersa.
Pupa cylindracea.
Planorbis spirorbis
" umbilicatus
Bythinia leachii.
Limnaea peregr.
Pisidium

(72)

Winchelsea. Sussex East. Mon. Whit. 1907.

Arion ater
" intermedius
Agrio. agrestis.
Vitrea
"
"

Minchelsea, continued.

Helix rotundata
" aspersa.
" hortensis.
" cantiana
" virgata
" hispida
" rufescens.
Pupa cylindracea
Clausilia bid.
Planorbis umbilicatus
Physa fontinalis.
Limnaea peregra
" palustris.
Bythinia leachii
" tentaculata

Walland Marsh, Sussex East. Sun. Whit 1907.

Helix excentrica
Pupa muscorum.
Succinea pfeifferi.
Planorbis crista
" spirorbis.
Paludestrina ventrosa.
Vitrea alliaria
" cellaria
" nitidula

Walland Marsh cont.

Limnaea truncatula

Walland Marsh. Kent East. Whit Sunday 1907.

Arion intermedius
Agrio agrestis.
Vitrea cellaria
Helix excentrica
" aspersa
" nemoralis
" hispida.
" hortensis
" rufescens.
" virgata
" cantiana.
Pupa cylindracea
Coch. lubrica
Succinea pfeifferi
Planorbis crista
" spirorbis
" vortex.
" umbilicatus
Physa font.
Limnaea peregra
" palustris
" stagnalis.

Walland Marsh. Kent. cont.

Bythinia leachii.
" tentaculata
Valvata cristata
" piscinalis
Sphaerium corneum.
Pisidium pusillum
"

(73)

Winchelsea continued Sussex F.

Valvata piscinalis
Sphaerium corneum.
" lacustre
Pisidium pusillum

Northfleet & Greenhithe. Kent West

AWS + CPH

Arion hortensis
Limax maximus
Agrio agrestis.
Vitrina cellaria
" nitidula.
" crystallina.
Helix rotundata
" aspersa.
" nemoralis
" cantiana
" rufescens
" hispida

Northfleet cont.

Helix virgata.
" caperata.
Ena obscura.
Clausilia rolphii.
" laminata
Succinea elegans
Planorbis spirorbis
" umbilicatus
" contortus
Limnaea peregra
" palustris
" truncatula
Pomatias elegans.
Bythinia leachii.
" tentaculata
Paludestrina ventrosa
" jenkinsi
" stagnalis
Sphaerium corneum.

Hampton Court & Bushey Park
Middlesex. 8 June 1907.

Agrio. agrestis.
Vitrea nitidula
Planorbis corneus.
" vortex
" carinatus
Physa fontinalis
Limnæa peregra
" auricularia
" stagnalis
Bythi. tentaculata
Sphærium corneum.

Winkfield Common. 12. June 07.
Lunez.

Helix aspersa.
" cantiana.
" hortensis.
" lispida.

Chichester, Bosgrove &c. 15.21st June. 07.
Lussex West.

Vitrea nitidula.
" alliaria
" cellaria.
" nitida
" pura.
" radiatula
Helix rotundata
" virgata
" hortensis
" aspersa
" rufescens
" lispida
" caperata
" excentrica
Cochl. lubrica
carychium min.
Pupa cylindracea
Clausilia bidentata
Succinea elegans.
Aplecta hypnorum
Physa fontinalis
Limnæa peregra
" palustris
" truncatula

Dead specimen near

Chichester continued.

Planorbis albus
" crista
" vortex
" spirorbis
" contortus
Byth. tentaculata
Valvata leachii cristata
" piscinalis
Cyclostoma elegans
Pisidium

(74)

Evesham, Worcestershire. Jan. 07.
arion hortensis.
Agrio. agrestis.

Vitrea cellaria
" nitidula
Helix costata
" rufescens
" nemoralis
" cantiana
" virgata
" hispida
"
Ena obscura
Coch. lubrica.
Limnaea peregra
" truncatula
Succinea pfeifferi elegans.

Evesham continued

Planorbis vortex
" albus
" fontanus
Vivipara vivipara
Sphaerium rivicola
Anodonta cygnaea.
Byth. leachii.

Tewksbury, Gloucestershire. Jan 07

Succinea pfeifferi
Limnaea palustris
" peregra
" truncatula
Planorbis vortex
" umbilicatus
Sph. corneum.
Byth. tentaculata

Colchester. Essex North. ~~[illegible]~~ 14.1.07.

Vitrea nitidula
" cellaria ?
" crystallina ?
Helix excentrica.
" hispida.
" cantiana.
" aspersa.

Colchester continued.

Acroloxus lacustris.	
Limnaea peregra.	
" auricularia	
" truncatula.	
Valvata cristata	
" piscinalis	
Planorbis albus	
" vortex	
Byth. tentaculata	
" leachii.	
~~[illegible]~~	
Pisidium amnicum.	

CORK Conferen[ce] July. 1907. See I.N. Sept. 1907.

Bog, near Cork City
Cork Mid.
11th July.

Limnaea peregra	…m.
" truncatula.	
" palustris	…good size & normal, the … but apparently fully … have been taken for … times. (See I.N. Sept. 07.)
Planorbis spirorbis	…m.
Aplecta hypnorum.	…in the shallow
Physa fontinalis	Co…
Valvata piscinalis.	N…
Pisidium pusillum	Co…
" obtusale	Only …
Arion ater.	…probably common.
" ~~intermedius~~	
" subfuscus.	All … on the
" hortensis.	Water … shallow
Agrio. agrestis.	drai…
" laevis.	
Succinea putris	Common
" pfeifferi	Common
Coch. lubrica.	Common
Carychium min.	Common.
Pupa cylindracea	common.
Vertigo pygmaea.	One specimen … under a stone near railway.

Pisidia taken during the Cork Conference by A. W. S.

Box No.	Locality.	County	Species.
1.	Ballyphehane.	✓ R Cork Mid.	P. obtusale + P. pusillum
2.	Youghal.	✓ R Cork East.	P. pulchellum (one of the young spec.ns hard, & seems the same but being immature had perhaps best be passed)
3.	Carrigrohane.	✓ R Cork Mid.	(1) P. milium (2) P. pusillum
4.	Ballinspittal, near Kinsale.	Cork West.	P. milium
5.	Rostellan, Aghada.	Cork East.	P. pusillum

[illegible] Return to F.W.S.

Return to
F.W.S.

Pisidia taken during the Cork Conference by A.W.S.

Box No.	Locality.		County	Species.
1.	Ballyphehane.	✓ R	Cork Mid.	P. obtusale + P. pusillum
2.	Youghal.	✓ R	Cork East.	P. pulchellum (one of the young specᵉˢ hardly seems the same but being immature had perhaps best be passed
3.	Carrigrohane.	✓ R	Cork Mid.	1) P. milium 2) P. pusillum
4.	Ballinspittal, near Kinsale.		Cork West.	P. milium
5.	Rostellan, Aghada.		Cork East.	P. pusillum

7 Kenmare Kerry
V subdula 1
" tubernica 11

8. Killarney Kerry N
V lucida 1
" tubernica 2
" sp. 1

9. Dough Nagarriva Kerry S
Lim. involuta.

The favour of your inspection will oblige,

Yours respectfully,

I. & R. MORLEY.

Colchester continued.

Acroloxus lacustris.	
Limnaea peregra.	
" auricularia	
" truncatula.	
Valvata cristata	
" piscinalis	
Planorbis albus	
" vortex	
Byth. tentaculata	
" leachii.	
~~[illegible]~~	
Pisidium amnicum.	

CORK Conference. July. 1907. See. I.N. Sept. 1907.

Ballyphehane Bog, near Cork City
Cork Mid.
11th July.

Limnaea peregra.	A small globose form.
" truncatula	Very common.
" palustris	Two forms, one of a good size & normal, the other small, attenuated but apparently fully grown, which may have been taken for L. glabra in former times. (See I.N. Sept. 07.)
Planorbis spirorbis	Common. A small form.
Aplecta hypnorum.	A small thin form common in the shallow bog drains.
Physa fontinalis	Common.
Valvata piscinalis.	Not common & young.
Pisidium pusillum	Common.
" obtusale	Only a few taken, but probably common.
Arion ater.	All very abundant & feeding on the Water Cress growing the shallow drains.
" intermedius	
" subfuscus.	
" hortensis.	
Agrio. agrestis.	
" laevis.	
Succinea putris	Common & fairly large.
" pfeifferi	Common.
Coch. lubrica.	Common.
Carychium min.	Common.
Pupa cylindracea	Common.
Vertigo pygmaea.	One specimen only under a stone near railway.

(75)

Ballysheehane continued.

Hyalinia cellaria	common.
" nitidula	One var. helvia near cottage.
" alliaria	Common.
" lucida.	One dead in cottage wall.
" fulva.	One spec. with V. pygmaea.
Helix nemoralis.	Common along base of walls.
" aspersa.	Very fine series of forms with last sp.
" rufescens.	Common.
" rotundata.	Common.
" caperata	Rare.
" virgatus.	Common on all walls.

Old Quarry. Cork City. (Milne & Standen) 12th July.

Arion ater.	Vars. succinea & brunnea. no type.
" fortensis.	
Hyalinia cellaria	

Youghal. Bog south of railway. Cork E. 12th July.

Limax palustris	Common
" marginata.	collected by F. Balfour Brown.
" pereger.	Common.
Physa fontinalis	Common.
Pisidium pulchellum	Only a few taken. J. W. Taylor. (76) P. casertanum / P. subtruncatum — G.W.S. 14/12/16.
Arion subfuscus	Common.
Apio. aperta.	Common.

Youghal Bog continued.

Vitrina pellucida.	Dead sp. common along the promenade (grass).
Helix aspersa.	Common.
" caperata.	a few only.
" itala.	In one spot on bank very common.
" virgata.	Common.
" acuta.	Common.
" nemoralis.	Fairly common in old church yard.
" eccentrica.	V. Correct! G.W.S. 1924. On promenade, at roots of grass.
Clausilia bidentata.	Very abundant at old church
Pupa muscorum.	Two sp. on railway bridge.
" cylindracea.	Common.
Coch. lubrica	Common.
Carychium min.	Common.
Succinea elap ?	Common.
Paludestrina jenkinsi	Very common.
" ulvae.	Common.
Vertigo pygmaea.	Rather scarce.

Glendine. Co. Waterford. 12th July. 07.

Limax arborum	
" maximus	Var. bifasciata
Arion ater.	Var. brunnea.
" ~~rufescens~~ fuscatus.	
" intermedius.	Not uncommon in wood.
Zon. eccarata	Var. vitrina. (no type).

Glendine continued

Hyalinia alliaria	And var. viridula.
× " crystallina	Type & var. contracta.
× " fulva.	
Helix nemoralis.	
" fusca.	Common young.
" rotundata	
× " lamellata	abundant.
× " pygmaea.	Abundant
Pupa cylindracea.	
× " anglica.	Not common.
× Vertigo edentula	"
× " pygmaea	"
× " substriata	"
× Acme lineata	Type only
× Hyg. radiatula.	Type & var. viridescenti-alba.
× Carychium min.	
Clausilia bidentata.	

Marked thus × taken in moss shaking by R. Standen.

Bogs near Youghal Cork E. 12th July.
Collected by Balfour Brown

Amalia sowerbyi.	
Limnaea auricularia.	
Planorbis umbilicatus	
Valvata cristata	
Pisidium pusillum	

(76)

Glendine Castle & abbey Graveyard
Co. Waterford 12th July.

Arion ater.	Var. plumbea.
" hortensis.	
Limax maximus.	Type.
" flavus.	a var. approaching rufescens.
" arborum.	
Amalia gagates.	Very fine (R. Patterson).
Agrio. agrestis.	
Helix nemoralis.	
" rufescens.	Var. rubens & type. Very fine & abundant.
" aspersa.	
" hispida	a very dark form.
Hyalinia cellaria.	
" radiatula	
" nitida	? nitidula (MK)
Pupa cylindracea	
Clausilia bidentata	
Balea perversa.	On beech trees.
Cochl. lubrica.	
Paled. jenkinsi	On river bank. Youghal Church. Cork E.
Limax arborum.	
Hyg. drapernaudi.	
Balea perversa.	

See next page

Near Youghal Bridge. Cork E.
12th July.

Planorbis crista.
" spirorbis.
Helix caperata.
" rupestris.
" virgata.
" hispida.
" rufescens.

Ardsallagh. Co. Waterford
(Opposite Glendine Castle) 12th July.

Arion ater.
Limax maximus.
Agrio agrestis.
Amalia sowerbyi.
Hyalinia cellaria.
" nitidula.
" pura. Type + var. nitidosa.
Helix aspersa.
" nemoralis.
" rufescens.
" hispida.
" rupestris.
" rotundata.
" caperata.
Clausilia bidentata.
Balea perversa.

Ardsallagh continued.

Pupa cylindracea
Vertigo pygmaea.
Coch. lubrica.
Limnaea ~~[illegible]~~ truncatula.

Old Church [illegible] in Youghal. 12th July.
Cork East.

Hyalinia lucida
" ~~[illegible]~~
Helix nemoralis
" hispida
" rufescens.
Balea perversa.
Clausilia bid.
Pupa cylindracea.

"The Geara[illegible] River Lee, Cork West
13th July.

Limnaea peregra
" truncatula On an islan[illegible]
Planorbis albus
" contortus
Physa fontinalis.
Pisidium pusillum
Succinea putris
" oblonga. } Common + very fine.

BRITISH MOLLUSCA.

BRITISH MOLLUSCA.

Near Youghal Bridge. Cork E.
12th July.

Planorbis crista.
" spirorbis.
Helix caperata.
" rupestris.
" rigata.
" hispida.
" rufescens.

Ardsallagh. Co. Waterford
(Opposite Glendine Castle) 12th July.

Arion ater.
Limax maximus.
Agrio agrestis.
Amalia sowerbyi.
Hyalinia cellaria.
" nitidula.
" pura. Type + var. nitidosa.
Helix aspersa.
" nemoralis
" rufescens.
" hispida.
" rupestris.
" rotundata.
" caperata.
Clausilia bidentata.
Balea perversa.

Ardsallagh continued.

Pupa cylindracea
Vertigo pygmaea.
Coch. lubrica.
Limnaea truncatula.

Old Church yard in Youghal. 12th July.
Cork East.

Hyalinia lucida
" ~~[illegible]~~
Helix nemoralis
" hispida
" rufescens.
Balea perversa.
Clausilia bid.
Pupa cylindracea.

"The Gearagh" River Lee, Cork West
13th July.

Limnaea peregra
" truncatula On an island.
Planorbis albus
" contortus
Physa fontinalis.
Pisidium pusillum
Succinea putris
" oblonga. } Common + very fine.

"The Gearagh" continued.

Arion subfuscus.	
" intermedius.	
Agrio . agrestis.	
" laevis.	
Limax arborum.	
Hyalinia pura	Type + var. nitidosa.
" radiatula	Type & var. v-alba.
" crystallina.	
Helix pulchella	(Vallonia excentrica) In moss on the "second" bridge. (V. excentrica! A.W.S. 1924)
" rupestris.	
" rotundata	
" pygmaea.	
Vertigo antivertigo.	
Clausilia bidentata	
Cocch. labrica.	
Carychium min.	

Shore of Lough Allua. Cork West
13th July.

Limnaea peregra.	
Planorbis albus.	
Ancylus fluviatilis.	
Bythinia tentac.	
Succinea putris.	
Agrio . agrestis	Vars. reticulata & tristis
" laevis.	

Pisidium (77)

Lough Allua continued.

Hyalinia fulva.	
" nitida	
" crystallina	
" excavata	All type. Common.
" radiatula	
" alliaria	One var. viridula.
Helix nemoralis.	The thin woodland form.
" Cantellata.	Very common in moss.
" aculeata.	a few only
" pygmaea.	Frequent.
Vertigo edentula	
" antivertigo.	
Arion ater	Var brunnea & castanea.
" subfuscus	Var. cinereo- " & brunnea.
" intermedius	
Limax C-nigra	One var. Vera found by D. Denison Roebuck.
" arborum.	
Carych. minimum.	

Carriganrohane, Cork Mid. 14th July.

Limnaea peregra.	
" truncatula	
Physa fontinalis	
Ancylus fluv.	
Valvata piscinalis	

Carrigrohane continued

Planorbis albus	
" contortus	In the River Lee in fast running water.
" crista	
" fontanus	
" spirorbis.	Pleurostoma [illegible]
Succinea putris	Common & large. Light amber colour.
" elegans	Rare: var. pfeifferi.
" oblonga.	Common & very fine around the small pool below the bridge.
Arion ater.	Var. castanea.
" hortensis.	
" subfuscus.	
Agrio. agrestis	Type & white var.
Limax arborum.	
Amalia sowerbyi	Very abundant & fine.
Hyalinia cellaria	
" nitida.	
" lucida	
?	
" radiatula	
" crystallina	
" fulva.	
Helix aspersa.	
" caperata.	
" rufescens.	
" rotundata	

Carrigrohane continued.

Helix hispida.	
Clausilia bidentata.	
Pupa cylindracea	
Vertigo antivertigo.	
Coch. lubrica.	
Carychium min.	
Pisidium milium	(78) min
" pusillum	
Hy. alliaria	

The Rock Close, Blarney Castle. Cork Mid.
Sun. 14th July.

Limnaea palustris.	
Planorbis fontanus.	
Valvata cristata	
Planorbis contortus	
Pisidium milium	(79)
Physa fontinalis	
Sphaerium corneum.	
Arion ater	Var. castanea.
" hortensis	Var. subfuscus.
" circumscriptus	
" subfuscus.	
Limax arborum.	
Agrio. laevis	

Blarney continued.

Milax sowerbyi	Of unusual size + very active. See I.N. Sept. 1907.
" gagates.	Var. plumbea.
Helix nemoralis.	
" aspersa.	
" rufescens.	
" hispida.	
" aculeata.	
" rotundata.	
" pulchella.	
Hyalinia crystal.	Type + var. contracta.
" alliaria.	Type + var. viridula.
" cellaria.	
Claus. bidentata	
Balea perversa.	
Pupa anglica.	+ cylindrica.
Succinea putris	A very large form swarmed on nettles + other tall plants round lily pond.

Aghada + Rostellan. Cork East. 15th July.

Limnaea peregr.	
" truncatula	
Valvata piscinalis	
Planorbis spirorbis	
" marginatus	
Arion ater	Vars. castanea + succinea.
" hortensis	
" circumscriptus	
Limax arborum	
" flavus	
" maximus.	
Amalia gagates	
Agrio. agrestis.	
Amalia sowerbyi.	
Palud. jenkinsi.	In drain under trees, & amongst dead leaves.
Byth. tentaculata	
Pisidium pusillum	— (80)
Physa font.	
Hyalinia alliaria	
" cellaria	
" lucida	
?	
" nitidula	
" radiatula	Type + var. viridescenti-alba.
~~Ovatella bidentata~~	Common on shore. Phytia myosotis
Acme lineata	Var. alba. Many near cronleac in moss shaking

Aghada continued.

Helix aspersa	
" nemoralis.	
" caperata.	On leaves of large umbilicifera in woods.
" hispida	+ var hispidosa.
" rupestris.	
" rotundata	
" fusca	With S. putris on Iris in marsh.
" rufescens.	
" aculeata	Moss shakings.
Succinea putris	
" elegans.	
Claus. bidentata.	
Pupa anglica.	
" cylindracea.	
Balea perversa.	
Coch. lubrica.	
Vitrina pellucida	Dead
Vertigo edentula.	

Kinsale, Cork Mid. 16th July.

Limnaea peregra.	
" truncatula	
Anaglus fluv.	
Anolia jugatus.	
Agrio agrestis.	
Limax nig.	Var cellarum

Kinsale continued.

Arion hortensis	
" subfuscus	
Hyalinia fulva.	
" alliaria.	
Helix rotundata	
" aspersa.	
" nemoralis.	
Coch. lubrica	
Pupa cylindracea	
Claus. bidentata.	

Ballinspittal. Cork West.

Limnaea peregra	
" truncatula	
Pisidium milium	
" pusillum	
Limax arborum	
Anolia sowerbyi.	
Arion subfuscus	
" circumscriptus.	
Hyalinia alliaria	
" cellaria	
?	
" radiatula	
" nitida	
" crystallina	
Agrio agrestis.	

(81)

Ballinspittal continued.

Succinea putris	
Helix aspersa.	
" nemoralis. rotundata.	
" rufescens.	
Pupa anglica.	
Vertigo antivertigo.	
Claus. bidentata.	
Carych. min.	

Farranjalway. Cork Mid
16th July.

Limnaea peregra	
" truncatula	
Succinea putris	
" elegans.	
Arion ater.	Numerous vars. from brown to white, but no type.
Agrio agrestis	
Arion subfuscus.	
Helix aspersa.	
" nemoralis.	
" hispida.	
Vertigo antivertigo.	

Cork City, (Cork Mid). 17th July. 07.

Agrio. agrestis.	Near Musherry Railway station
Amalia sowerbyi.	
Arion hortensis.	
Helix rotundata	
" rufescens.	
Coch. lubrica.	
Valvata piscinalis.	Common in the River Lee
L. peregra.	River Lee.

The Lough of Cork. Cork Mid.
17th July 07. A.W.S. + J.N.M.

Planorbis albus	
" crista	Type & var. nautileus
" fontanus.	
Valvata cristata	
Limnaea peregra.	
" palustris	
" truncatula	
Pisidium pusillum	
" subtruncatum	

NB. Planorbis glaber is recorded from here, but I saw no sign of it.
Also L. auricularia R.A.P. & Sph. lacustre, R.A.P.

(82)

Gouganibarra. Cork West. 18th July.

Arion ater	
" subfuscus.	Common on St. Island.
" intermedius	Common.
Limax maximus	
Agrio. agrestis	
Vitrina pellucida.	Two young spec. alive.
Hyalinia nitidula	
" alliaria.	
" crystallina	
Helix nemoralis	R In "Keim-an-eigh"
" rotundata	
" hispida.	
Pupa cylindracea	
Balea perversa.	
Coch. lubrica	+ var. vitrina.
L. pereger.	
Anaylus fluv.	Common in Lake.

Glengarriff. ~~Kerry South~~. Cork West 17th July.

Hyalinia alliaria	
" fulva.	
" excavata.	
" nitidula.	
Helix rotundata	
" rufescens.	
" nemoralis.	
Pupa cylindracea	
Arion ater	
" subfuscus.	
" intermedius	
Agrio. agrestis.	
Limax pereger.	Common by roadside 3/4 up to Tunnel, a normal heavy, high spired form. Small lough above Coomane. ~~Kerry South~~ 1350 ft alt. Cork West 19th July.
Pisidium hibernicum	Apparently very common, but as only young spec. were taken here, I have some doubt, that they are this species although identified by J. W. Taylor.

(83)

Lough Nagarriva. Kerry South.
19th July.

Limnaea sp.? A form very close to L. insolata. I sent animals to Rev E.W. Bowell, who has described them as a new species, in 1.N. Jan. 1908, under the name of Limnaea praetenuis, Bowell.

Limnaea praetenuis. 1st Record.

Pisidium hibernicum. ? Very common but nearly all spec. were very ~~young~~.
This shell was first discovered by Dr Scharff here in & this is the second time the lake has been visited
Some of them have some been named P. Allgebryi by B.B.W.

(84)

Lough Namaddra. Cork West.
19th July. 07.

Pisidium hibernicum ? Very common, but as in the other lakes, mostly young.

(85)

Lake View Hotel neighbourhood, Killarney
Kerry North. 20 + 22nd July.

Planorbis crista
" fontanus
" spirorbis.
Limnaea peregr.
" palustris
Pisidium

All in lake about ½ mile behind the Hotel or in drain & marsh near the entrance from road.

(86)

Helix rufescens.
" granulata
" nemoralis.
Succinea putris.
Pupa anglica
" cylindracea.
Vertigo
Carych. minimum
Coch. lubrica.

Common. All young.

? Pfeiffer

All in ditch on road leading up to Hotel entrance from main road.

Killarney continued

Hyalinia alliaria " nitidula " radiatula Helix rotundata " rufescens. " aspersa.	Roadside above Hotel entrance.

Muchrow abbey 21st July.

Helix rotundata Pupa cylindracea Clausilia bidentata Hyalinia cellaria " nitidula	All found in the ruins.
Helix nemoralis	Near the abbey, dead.
Planorbis spirorbis Physa fontinalis Limnaea peregr. " palustris Sphaerium corneum Ancylus fluv. Pisidium	On the lake shore.

(87)

Erroneous. AWS.

Hyalinia lucida " hibernica " Schwiffi ?	One dead from abbey. } Identified by A. S. Kennard.

Tore Woods, Killarney. Kerry North. 21st July.

Hyalinia fulva. " crystallina. " nitidula " cellaria. " alliaria	+ Var. viridula
" pura. " excavata	Type + var. vitrina.
Helix rotundata " lamellata. " rufescens. " nemoralis. Coch. lubrica. Limax c-niger.	One spec. like var. vera, near the waterfall in log.
Arion ater. " subfuscus. " minimus	Very common.
Pupa anglica. " cylindracea. Clausilia bidentata. Balea perversa. Vertigo edentula.	

Old Red

Lough Cruniaun above Killarney

Helix nemoralis.	One very thin spec. above lake. Kerry N.
L. involuta.	Several young spec. & 4 fully grown. Many eggs were observed on the stones in water
Pisidium ?	Common young.

(88)

Gap of Dunloe, Kerry South.
22nd July.

Limnaea peregr.
Pisidium
" (89)
} All in Coonan Lough at the north end of the Pass.

Planorbis contortus
Physa fontinalis
Ancylus fluv.
} In the Black Lough at the summit of the pass.

Agrio. agrestis.
" laevis.
} Both on shores of Loughs.

Ross Castle. Killarney. Kerry North.
23rd July.

Pupa cylindracea
Helix rufescens.
Vitrina pellucida alive.
Agrio. agrestis
} all living in the upper chamber of the tower.

Wood below Lake View Hotel. Kerry South.
24th July.

Hyalinia nitidula
" crystallina
Helix fusca.
" nemoralis.
" rufescens.
Arion hortensis
" subfuscus
" intermedius
Agrio. agrestis.
Pupa cylindracea
Helix aspersa

Kenmare. 20th July. 07. Kerry South.

Arion circumscriptus
Agrio. agrestis.
Avalia sowerbyi.
" gagates.
Helix rufescens
" rotundata
" hispida
" aculeata.
Hyalinia cellaria
" nitidula
" crystallina
Vitrina pellucida.
Pupa cylindracea.
Clausilia bidentata
Helix nemoralis
" aspersa.

Helix rupestris
" caperata

Carboniferous

St. Finans Church Yard Kenmare.

Helix rotundata
" rufescens.
" granulata. Common here in July 1898 but I could not see one this year.
Hyalinia cellaria
" allinia.
Clausilia bidentata
Agrio. agrestis
Pupa cylindracea

Coolcarrigan. Co Kildare. 25th July.

Arion hortensis
" subfuscus.
" intermedius
Limax arborum.
Agrio. agrestis.
Hyalinia cellaria.
Helix rotundata.
" rufescens.
" pygmaea.
" itala
" caperata
" virgata.
Vertigo edentula.
Coch. lubrica.
Planorbis ~~umbilicatus~~ carinatus ✓ ? Young.

Gallinas. Co Kildare 25th July

Helix aspersa.
Planorbis umbilicatus ? Young.
Bythinia leachii. Very common in the Grand Canal near station
R. Welch has since taken this shell at Lucan.
Co. Dublin in Lane Canal
" tentaculata Common.
Limnaea pergens.
" palustris
Valvata cristata
Succinea pfeifferi.
Physa fontinalis.

Mouth of the Antrim River, Antrim
Co. Antrim.
8th Aug. 07.

Hyalinia cellaria
" nitida
Coch. lubrica.
Helix hispida
Carych. minimum.
Limnaea pergens.
" palustris
Aneylus fluviatilis
Succinea oblonga. Quite common at roots of trees. Agreeing form first taken here by J. N. Milne.
Planorbis carinatus.
" albus.
Paludestrina jenkinsi. Very abundant & fairly large in size.
Valvata piscinalis
" cristata ?
Bythinia tentaculata
Sphaerium corneum
" lacustre
Pisidium ~~obtusale~~ hibernicum ✓
" ~~pusillum~~ nitidum ✓
" subtruncatum ✓
" gassiesianum ✓
" castartum ✓

90

Glencairn, Legoniel Co. Antrim.
21.8.07.

Hygromia hispida.	
" rufescens.	Common in ditch outside Glencairn House.
Limnaea peregra.	
Arianta fluviatilis.	
Clausilia bidentata.	
Hyalinia alliaria.	
" crystallina.	
Helix nemoralis.	

Crawfordis Nursery, Chlorine Garden Belfast. Co Antrim.
27.8.07.

Arolia fagates.	Common & large.
Agriolimax sp.?	A dark small species very like A. laevis, but I believe another species.
Pyramidula rotundata.	One very large & light spired specimen.
Hyalinia sp.?	One dead spec. very like H. nitidula.
Subulina octona.	Quite common in the Palm House under pots & like utensils. Note on the animal. "Lemon yellow all over, including tentacle. Foot 5mm. when crawling. Eyes black, sunk in the top of upper tentacles & showing very distinctly when withdrawn. Upper tentacles about 1mm. long, short & thick. Lower ones nearly round protuberances.

Crawfordis Nursery cont.

Opeas goodalli	Very common with the last species & the animal is very similar = colour &c. only about ⅓ the size.
Limnaea peregra.	Living in a barrel of water. Common.

Moira. Co. Antrim
1st Sept. 07.

Agrio. laevis.	
" agrestis.	
Hyalinia fulva.	
" crystallina.	
" radiatula.	
Helix pygmaea.	
" hispida	
" nemoralis.	
" rotundata	
" ospersa	
" excentrica.	Very common on the railway bridge over canal.
Hyalinia cellaria	
" nitidula	
Vertigo pygmaea.	
" antivertigo	
" substriata.	
Pock. fulvus.	
Carychium min.	
Succinea putris	

Moira, Co Antrim. continued.

Planorbis carinatus	In stream.
" umbilicatus	In small pond near station.
" albus	
Valvata cristata	
" piscinalis.	
Sph. corneum	
Pisidium fontinale	(91)
Limnaea peregra	
" palustris	
" truncatula	
Pupa cylindracea	
Arion subfuscus	
" hortensis	
" fasciatus	
Limax maximus	Var ferrugaci.

Pisidia Identified by J. W. Taylor.
July 1909.

Pisidium fontinale.
" gassusianum
" obtusale
" pusillum.

Moira. Co. Down.

AWS. + R.W. 1.9.07.

Limnaea peregra	
" palustris	
Physa fontinalis	
Clausilia bidentata	
Valvata piscinalis	
" cristata	
Sphaerium corneum	
" lacustre	
Pisidium fontinale	(92)

Moira, Co Down continued.

Helix rotundata	
" hispida.	
Coch. lubrica.	
Planorbis fontanus	
" umbilicatus.	

Soldiers town Co. Antrim.

AWS + RW. 1.9.07.

Hyalinia nitidula	
" cellaria.	
Amalia jogata.	Var. plumbea.
Arion ater.	Var. plumbea.
" fasciatus.	
Limax max.	
" arborum.	
Helix nemoralis	
" aspersa.	
" hispida.	
Coch. lubrica.	
Clausilia bidentata	

The great Talus of Fair Head. Co. Antrim
AW.S & R.W. 8.9.07.

Carrickmore Bay.

Amalia gagates.
Agrio. agrestis.
Arion ater.
" minimus.
" circumscriptus
Limax maximus
" arborum.
Hyalinia alliaria.
" hibernica.
" crystallina.
Vitrina pellucida.
Helix rotundata.
" pulchella.
" hispida.
" nemoralis.
" pygmaea.
Hyalinia fulva.
" radiatula.
Vertigo pygmaea.
" antivertigo.
" edentula.
Coch. lubrica.
Carychium min.
Succinea pfeifferi

Fair Head continued.
Carrickmore Bay continued.

Pupa anglica.
" cylindracea.
Limnaea truncatula
Clausilia bidentata
Pisidium pusillum.

(93)

The Great Talus.

Arion ater.
" subfuscus.
" circumscriptus.
" minimus.
Agrio. agrestis.
Limax maximus
" cinereo-niger. Var. Vera.
" arborum.
Hyalinia pura.
" nitidula. Nearly all dead & all var. helmi.
" radiatula.
" alliaria.
" crystallina.
" fulva.
Helix rotundata
" aculeata
" fusca.
" nemoralis.

Fair Head continued.

The Great Talus continued.

Helix hispida.	
Coch. lubrica.	
Acme lineata.	Type & var. alba.
Pupa anglica.	
" cylindracea.	
Vertigo pygmaea.	
" substriata	
" edentula.	
Limnaea truncatula.	
Pisidium pusillum.	(94)

Ballintoy & Whitepark Bay. Co. Antrim.
A.W.S. 9.9.07.

Arion ater.	
" subfuscus.	
" intermedius.	
Agrio. agrestis.	
Limax maximus	
" arborum.	
Vitrina pellucida	Dead.
Hyalinia pura.	
" radiatula.	
" crystallina.	
" hibernica.	
Helix costata.	
" aculeata	

Whitepark continued.

Helix nemoralis	
" aspersa.	
" hispida	(concinna). Helix aquata
" itala.	" rotundata
Coch. lubrica.	
Carych. minimum.	
Vertigo pygmaea.	
" angustior	Dead in shell pockets.
" pusilla	" " " " .
Acme lineata	" " " " " .
Clausilia bidentata.	

Plantation Port, Kenbane. Co. Antrim.
A.W.S. 9.9.07.

Hyalinia cellaria.	
" crystallina.	
Helix arbustorum	
" nemoralis.	Helix rotundata
" hispida.	" itala 1901.
" aculeata.	Sept. 1901.
Acme lineata.	Sept. 1901.
Pupa cylindracea	White
Clausilia bidentata	White

Tor Bay. Co. Antrim. Aut. 10.9.07.

arion ater
" subfuscus.
" fasciata
" intermedius
agrio. agrestis.
Limax arborum.
Hyalinia cellaria
" alliaria.
" nitidula?
" pura.
" crystallina
Helix pygmaea
" lapicida.
" rotundata.
" (arbustorum)

Clausilia bidentata
Vertigo pygmaea.
Cock. fulvica
Pupa cylindracea.
Helix excentrica.

R. Welch has taken this by the roadside just above the village of Torr

Mainland, Orkney Islands.

Stromness 13.9.07.

arion ater
" subfuscus.
" minimus
" circumscriptus
" hortensis.
Limax arborum
agrio. agrestis.
Hyalinia cellaria
" alliaria

" nitidula
" crystallina
"

Arnalia gagates.
Vitrina pellucida
Helix rotundata.
Cock. fulvica.
Pupa cylindracea.
" muscorum.
Balea perversa.
Limnaea truncatula.

2 specimens on lake shore at Stennes.

+ H lapicida under logs near shore.

Orkney continued.

	Stenness 14.9.07.
Arion ater	Common.
" subfuscus.	Very common.
" hortensis	Also common.
" fasciatus	Some queer specimens of "this" species, which are I think another species. NO! A. fasciatus var. septentrionalis, mihi,
" intermedius	A few.
Limax arborum.	A few long spec. light in colour. Var.
Agrio. agrestis.	Common, mostly var. brunnea.
" laevis.	Fairly common.
Vitrina pellucida.	Common.
Hyalinia alliaria	Very common. Hy. radiatula. 2 spec.
" nitidula	2 spec. of var. nitens near the shore of L. Harray
" crystallina	Rather scarce.
Helix pygmaea	Very common near the the great circle.
Coch. labrica.	Rare.
Carych. min.	Common.
Pupa cylindracea	Very common.
Vertigo edentula	Among heather at the great circle
" pygmaea.	Under stones near Lake shore.
Succinea putris?	One sp. with the next species. ?
" schumachini?	Very abundant along the Lake shore. ?
Limnaea peregra?	A small form in Lough Stenness
" truncatula	Lough Stenness shores.
Ancylus fluv.	In a small stream.
Planorbis spirorbis	In Lough Stenness & other shallow flooded areas.

Orkney continued.

	Stenness cont.
Pisidium pusillum	Lough Stenness? or Lough Harray. ✓
" milium.	" " (95) "Collected at edge of Loch Harray,
" fontinale	" " Stenness, 14.9.1907. P. casertanum, P. milium P. personatum and P. obtusale. fide A.W. Stelfox in litt. 24.11.58 all det. A.W. Stelfox, 13.1.1918.
	Sandwick Bog. 14.19.07
Pupa muscorum.	
" cylindracea.	
Helix pulchella.	
" rotundata.	
Arion ater	
Agrio. agrestis.	
Limax arborum.	
Vitrina pellucida.	
	Lough Skaill & its shores 14.9.07
Limnaea peregra.	
" truncatula	
Planorbis glaber.	"Identical with spec. of Pl. arcticus." (H.S.K.)
Sphaerium corneum.	
Pisidium pusillum	(96)
Hyalinia alliaria	
Helix rotundata.	
Pupa cylindracea.	
Vertigo pygmaea	
" edentula	
Succinea schumachini.	
~~[illegible]~~	I only brought one specimen but believe I overbooked a good many as young Pupa. Kennard believes it to be a new species. It is white & striated but has no spines. It was under stones near an old burial mound on south shore of L. Skaill.

Kew Gardens & Thames shore. Lunez.
AWS & C.P.H. 27.9.07.

Agrio. agrestis.
" laevis.
Hyalinia crystallina
" cellaria
" nitida.
Arion ater.
" fasciatus.
Helix hispida.
" concinna.
" rufescens.
" costata.
" aspersa.
" hortensis. Many varieties including hyalozonata. ("arenicola")
One specimen with a band formula of 12045.
Coch. lubrica.
Succinea elegans.
Carych. min.
Limnaea peregra.
" stagnalis. + truncatula
Planorbis corneus.
" albus.
" carinatus. ? ✓
" contortus.
" vortex.
Physa fontinalis.

Kew continued.

Bythinia tentac.
Sphaerium corneum.
Pisidium pusillum } (97)
" fontinale.
" milium.

Seven Oaks Weald. Kent West.
AWS. & C.P.H. 5.10.07.

Arion fasciatus.
" intermedius.
Agrio. agrestis.
Vitrina pellucida
Hyalinia cellaria
" nitidula
" alliaria
" radiatula.
" pura.
" crystallina.
Helix rotundata
" hispida.
" aculeata.
Carychium min.
Sphaerium laeustre a peculiar form.
Cochlicopa lubrica
Succinea elegans.
Pisidium pusillum — (98)
Arion hortensis.
Limnaea truncatula

Seven Oaks continued.

Agrio. laevis	
Planorbis vortex	
" umbilicatus	
" contortus	
Physa fontinalis.	
Valvata cristata.	
Limnaea peregra	
Pisidium ?	P. [illegible] ? (98 See over)
Helix rufescens	
" cantiana.	

Box Hill, Surrey. AWS & C.P.H. 6.10.07

River Mole at Burford Bridge.

Limnaea auricularia	
" peregra.	
Anodonta cygnea.	Dead.
Unio tumidus	Dead.
Succinea putris.	
Planorbis carinatus	
" contortus	
Ancylus fluv.	
Byth. tentaculata.	

Box Hill.

Helix caperata	
" hispida	
" rufescens.	

Box Hill continued.

Helix rotundata.	A few white specimens on top in woods.
" cantiana.	Dead.
" lapicida.	Dead at Betchworth.
" (aspersa.	One alive on Sutton station).
" nemoralis.	Dead.
" itala.	Dead. Several at Betchworth.
" costata.	Fairly common.
" pomatia.	One young dead above Betchworth. We could not find any alive where there were hundreds in June. They had evidently burrowed in the soft chalk as there had been slight signs of frost a day or so before our visit.
Vertigo pygmaea.	A few under flints on ~~the~~ Pilgrim's Way above Burford Bridge. Normal & large. 4 teeth ⊙
Pupa muscorum.	Fairly plentiful with last under flints.
Clausilia bidentata	Very abundant on an old brick wall in Betchworth.
Ena obscura	Living at roots of grass & up on the hedges at Betchworth. Several pure white specimens.
Coch. lubrica.	A few. Two pure white on summit of hill in woods
Carychium min.	Common.
Caecilioides acicula.	A few dead under grass & moss above Burford Bridge.
Cyclostoma elegans.	In millions on hedge bank at Betchworth.
Limax arborum.	One on trees. Young.
Arion minimus.	Common.
" hortensis.	Very abundant in the old woods & the only mollusc seen alive in the denser portions.

Box Hill continued.

Vitrea cellaria	Rare.
" crystallina	Common.
" nigrans	One specimen.
" alliaria	A few.
" nitidula	Common
" pura.	Very common in the old woods. Nearly all type.
Vitrina pellucida	Probably common in season.

Ashford & Eastwell Park. A.W.S. & S.H.S.
Kent East. 13.10.07.

Hyalinia alliaria	
" nitidula	
Helix lisp.	
" rufescens.	In deposit in tank of Eastwell Lake.
" cantiana	In deposit. Also alive.
" aspersa.	Dead.
Cyclostoma elegans	In deposit.
Limnaea peregra.	
Planorbis vortex	
" umbilicatus	
" albus	
" contortus.	
Pisidium milium	

-(99) missing

River Stour at Ashford. Kent East
A.W.S. 14.10.07.

Limnaea peregra.	
" stagnalis.	
Planorbis albus	
" vortex.	
" spirorbis.	
" umbilicatus	
Byth. leachii.?	
" tentaculata.	
Anodon flav.	
anodonta cygnea	Dead.
Sphaerium corneum.	
Pisidium pusillum	-(100)
Physa fontinalis.	
Helix hortensis	Dead near Ashford.

Dover. Kent East. A.W.S. 14.10.07.

Helix virgata.	all four common on Shakespeare cliff.
" aspersa.	
" rufescens.	
" cantiana	

Canterbury to Patricksbourne. Kent East.

AWS. 14.10.07.

Hyalinia cellaria	In the cathedral close.
" nitidula	Roadside.
" radiatula	One in copse at Patricksbourne
Agrio. agrestis.	
Arion ater.	
" hortensis.	
" fasciatus	
Helix hispida	
" rufescens	
" cantiana	
" aspersa.	
" caperata?	A form which I cannot believe is caperata was very common on roadside just outside Canterbury town. Large & flat. Young shells not keeled. Type on station platform.
" virgata.	Type & var alba at Patricksbourne.
Pupa muscorum.	With latter under flints in field.
Ena obscura.	One under railway arch at Beakesbourne.
Cyclostoma elegans	Type & var. ochraleuca with H. caperata?

This was my first record of Helicella heripensis, Mabille a. W.S. 1913.

Virginia Water & Windsor Park, Berkshire.

AWS. C.P.H. 27.10.07.

Arion minimus.	
" hortensis.	
Agrio. agrestis.	
" laevis.	
Hyalinia cellaria.	Dead.
" alliaria	Rare, only a few by roadside.
" nitidula	Very common, large & bright by roadside close to Sunningdale entrance to Park. (Species taken here are recorded as "Sunningdale").
" nitida	Very common young in Park.
" crystallina	
" fulva.	Rare on roadside from Virginia Water.
"	
"	
Coch. lubrica	
Helix pygmaea	One spec. with Hy. nitida.
" hispida	Common at Sunningdale.
" nemoralis.	Several young & dead also at Sunningdale.
" rotundata	Rare. Sunningdale.
Carychium min.	Park
Succinea putris	Park.
Limnaea auricularia	Cumberland Lodge Lake. Windsor Park.
" peregra.	Cumberland Lodge Lake. Windsor Park.
" stagnalis	Cumberland Lodge Lake. Windsor Park.
Physa font.	Virginia Water.

Windsor Park continued.

Planorbis albus	Cumberland Lodge Lake.
" contortus	Virginia Water & last locality.
"	
Valvata cristata	Virginia Water.
Pisidium pusillum	Virginia Water.
" fontinale	Cumberland Lodge. (101) ✓
Anodonta cygnea	" "
Sph. cornea	" "
Vitrina pellucida	common.

Embankment of Thames at Staines, Surrey
27.10.07.

Planorbis corneus.	
" contortus.	
" vortex.	
V. viviparus	Dead.
Helix hispida	common.
" hortensis	Several, mostly young.
" pulchella.	common.
" arbustorum	Several young.
Cochl. lubrica.	
Hyg. nitidula	
" cellaria.	
Bythinia tentaculata	
Arion circumscriptus	
Apis. agrestis	
" laevis.	

Weybridge Canal. Surrey.
aws. 3.11.07.

Limnaea peregra	
" auricularia	
" stagnalis.	
Planorbis vortex.	
" albus.	
Sph. corneum.	
" riviola.	
Unio pictorum.	
" tumidus.	
Anodonta cygnea.	
Dreissensia pol.	
Pisidium annicum.	(102)
V. viviparus.	
Helix hispida	
" cantiana.	
Byth. tentaculata	
" leachii.	
Acroloxus lacustris	

Chertsey to Staines. Middlesex.
aws. 3.11.07

Arion subfuscus	
" fasciatus	
Apis. agrestis	
" laevis.	

Chertsey - Staines cont.

Vitrea nitidula	
" crystallina	
Zon. nitida	Very common & abundant under dead reeds along River Thames at Lalehan.
Clausilia bidentata	
Helix hispida	
" rufescens.	
" cantiana	
" pulchella.	
" caperata?	V. common = H. Cariperensis Mitella
Coch. lubrica.	
Limnaea stagnalis.	
" palustris	Very nice specimens with Hg. nitida.
" truncatula	
Sph. corneum.	
Anodonta cygnea	Dead.
V. vivipara	Dead.
Byth. tentaculata.	
Neritina fluv.	Dead.
Planorbis vortex	
" umbilicatus	
" contortus	

Bushey & Watford. Herts.

AWS & C.P.H. 10.11.07.

Arion ater.	A few young.
" hortensis.	
" fasciatus	
" minimus	
Agric. agrestis.	
" laevis.	
Vitrina pellucida	
Vitrea cellaria	
" nitidula	
" alliaria	
" rogersi.	Very common near mill on River Colne.
" crystallina	
Helix rotundata	
" pulchella.	
" costata.	
" aspersa.	
" nemoralis.	
" arbustorum	A few alive & many dead on bank of River + canal
" rufescens.	
" hispida.	
" granulata	Very abundant and active on Canal Bank.
" caperata.	+ sp.?
" cantiana.	
Bulimus obscurus.	
Clausilia bidentata	

Watford continued

Coch. lubrica.	
Carychium min.	
Planorbis albus	
" vortex	
" umbilicatus	
" carinatus	One only. C.P.H.
" corneus.	
" contortus	
Physa font.	
Linnæa peregr.	
" auricularia	
" stagnalis.	
" palustris.	
Ancylus flur.	
Byth. leachii.	
" tentaculata	
Pal. jenkinsi.	
Valvata cristata	
" piscinalis	
Anodonta cygnea	
Sph. corneum.	
" rivicola.	
Pis. amnicum	One fine spec. Var. elongata Baudon (A.S.K. id).
" henslowianum	a few in River Colne.

(103)

Hampton Court. Middlesex
AWS. 16.11.07

Vitrea cellaria	
" nitidula	
Helix aspersa.	
" caperata?	
" hispida	
" rufescens.	
" cantiana	
Bulimus obscurus	
Unio tumidus.	
" pictorum.	

Byfleet, Wisley & Weybridge, Surrey
AWS. 17.11.07.

Agrio. agrestis.	
Vitrina pellucida	
Vitrea alliaria	
" cellaria	
" nitidula	
Helix rotundata	
" hispida	
" cantiana.	
" hortensis	
" aspersa.	
Pupa muscorum.	
Clausilia bidentata.	

Byfleet continued.

Succinea putris
Clausilia bidentata
Limnaea peregra.
" auricularia
" stagnalis
" palustris

Physa font.
Planorbis vortex
" spirorbis
" contortus
" corneus.
" umbilicatus
Unio tumidus
" pictorum
Anodonta cynea.
Sph. corneum.
" rivicola.
Pis. pusillum?
" fontinale?
" obtusale?
Neritina fluv.
Viv. vivipara.

Vellitia lacustris?
See p. 148.

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Byfleet & Weybridge. Surrey.
AWS & C.P.H. 24.11.07.

Agrio. agrestis.
Arion hortensis.
" minimus.
Vitrina pellucida.
Hy. cellaria
" alliaria.
" nitidula.
" radiatula?
" crystallina.
Helix hispida.
" hortensis.
" nemoralis.
" arbustorum.
Coch. lubrica.
Clausilia bidentata
Bulimus obscurus.
Carychium min.
Vertigo edentula ? C.P.H.?
Succinea putris.
Limnaea peregra.
" stagnalis.
" palustris.
Physa fontinalis.
Planorbis vortex
" contortus
" albus.

Byfleet continued.

Planorbis corneus.
" umbilicatus
Valvata piscinalis
Viviparus viviparus.
Anesylus fluv.
Byth. leachii.
" tentaculata.
Anodonta cygnea.
Unio tumidus.
" pictorum.
Dreissensia polym.
Neritina fluv.
Sphaerium corneum
" rivicola.
Pisidium nitidum
" fontinale.

(105)

Leith Hill & Dorking, Surrey.

Agrio. agrestis	Type & var. brunnea. 1.12.07.
Limax arborum.	One spec. near Wotton House.
" maximus	also one with above. 29.12.07.
Arion ater	Leith Hill.
" circumscriptus	Coldharbour.
" subfuscus.	common.
Vitrina pellucida.	Wotton Common.
Hyg. fulva.	apparently common on Leith Hill.

Leith Hill continued.

Vitrea alliaria	Leith Hill.
" nitidula	Leith Hill & Coldharbour.
Helix rotundata	Wotton Common.
" pulchella	Coldharbour.
" hispida	Wotton Common & Leith Hill.
" rufescens.	Wotton Common.
" aspersa.	Wotton Common.
" cantiana.	Dorking
" fortensis.	Dorking. Dead only.
Bulimus obscurus	Wotton Common.
Clausilia bidentata	Leith Hill.

Byfleet. Essex South. 26.1.08.

Agriolimax agrestis.	common in Chalk pits.
Arion fortensis.	" " "
" fasciatus.	" " " "
Vitrea cellaria.	"
" nitidula	"
" crystallina	a few " " "
Helix pygmaea.	One specimen under stone.
" rotundata.	common.
" rufescens.	Dead only.
" hispida.	common.
" cantiana.	common.
" carpenteri.	Probably common, mostly dead.

Cuxfleet continued.

Helix aspersa	common
" revoluta.	common dead.
" costata.	common under stone.
Pupa muscorum.	Two specimens in chalk pit.
Cochlicoides acicula.	One specimen under stone with H. pygmaea
Limnaea peregra.	common in Mar Dyke & in Rainham Marsh.
" palustris.	Mar Dyke
" stagnalis	One dead in Mar Dyke.
Physa fontinalis	common.
Planorbis vortex	common
" umbilicatus	common.
Bythinia tentaculata	A few.
" Leachi.	In Rainham Marsh.
Pal. jenkinsi.	Millions in Mar Dyke. None in Rainham Marsh.
Anodonta cygnea.	a few dead shells in Mar Dyke.
Sphaerium corneum	Common.
" lacustre.	A few.
Pisidium pusillum	? Mar Dyke
" milium.	? Mar Dyke.

(106)

Riddles Down, Purley. Surrey.

AWS. 9.2.08.

Agrio. agrestis.	common.
Vitrina pellucida.	A few, but all dead.
Vitrea cellaria	Not many.
" nitidula	Very common.
" pura.	a few very large in old chalk pit above railway tunnel on Riddles Down.
Helix rotundata	Common.
" hispida	common, mostly var. hispidosa.
" pulchella.	common.
" costata	only one.
" cantiana	Common.
" aspersa.	Dead only.
" itala.	a small flat almost black form common (Dead) a south of Riddles Down.
" virgata	Very common on Riddles Down & above Purley.
" hortensis	Very common. = carpenteri hunt. A.W.S.
Pupa muscorum	a few dead.
Cochlicopa lubrica	Dead only.
Cyclostoma elegans	Dead only.

South Downs, north of Brighton, north slope between Poynings & Edburton. Sussex West

Agrio. agrestis.	Only a few seen. A.W.S. Feb. 17. 08.
Arion ater	Several, all young.
" suffuscus.	One specimen.
" hortensis	Common.
" fasciatus	Common.
" minimus	A few. Not common.
Vitrina pellucida.	Only one spec. taken alive.
Vitrea crystallina	Common.
" cellaria	Dead only. Common & large.
" nitidula.	Very common.
" pura.	Type frequent dead & a few large spec. alive.
Helix pygmaea	Probably common. A few in moss with P. secale & Carychium minimum.
" rotundata	Common.
" hispida	The usual small "chalk hill" form very common.
" nefescens.	Surprisingly common for uncultivated ground.
" nemoralis.	One young spec. which may have been H. hortensis.
" itala	Very common dead on top of downs, not below.
" nigata	Common.
" striata	Common. = caperata Mont.
" fasciolata	A few above Edburton village = hispensis Mke.
Cochlicopa lubrica.	Common, but not abundant.
Carychium minimum.	Very common.
Vertigo pygmaea	A few dead & one alive under flint.

Brighton continued.

Pupa secale	Very common at roots of grass & moss below Devil's Dyke.
" muscorum	Common.
Clausilia rolphii	Very common in long grass above Edburton
" tridentata	Devil's Dyke at base of hills.
" laminata	One spec. dead & several young alive.
Cylindrus obtusus	Very common.
Helix aspersa.	Very common dead.

Dengie Marshes, Southminster

Essex South. A.W.S & C.S.H. 23.2.08.

Arion ater	Young.
" hortensis.	Several.
" intermedius.	One.
Vitrina pellucida	Common.
Vitrea cellaria	Dead.
" nitidula	Common.
" crystallina	One
Helix rotundata.	H. hispida (rare) H. nefescens. H. cantiana
H. virgata. H.	caperata? (=hispensis) & striata (=capolata Mont.) H. nemoralis & aspersa all more or less common.
Pupa muscorum	One on sea dyke.
Planorbis spirorbis.	P. cristata & P. contortus. All common.
Limnaea peregra.	Common. A high spired form. Succinea putris Young.
Paludestrina ventrosa.	Very common in brackish drain at dyke.
Sphaerium corneum.	Dead.
Physa hypnorum	& Alexia (denticulata? on dyke.

West Drayton & Uxbridge. Middlesex
15. 3. 08.

Agrio. agrestis.
Arion hortensis
" subfuscus.
Vitrea cellaria
" nitidula.
" rogersi.
" crystallina.
Helix rotundata
" hispida
" granulata. Rejectamenta of Canal.
" rufescens
" cantiana.
" hortensis.
" aspersa.
Paludina vivipara
Cochlicopa lubrica.
Limnaea pereger.
" palustris
" stagnalis
" truncatula.
Physa fontinalis.
Planorbis vortex
" carinatus
" contortus
" corneus. Rejectamenta.
Sphaerium corneum

West Drayton cont.

Sphaerium rivicola
" pallida?
Pisidium henslowianum. & Pis. supinum, (A. Schmidt). (107)
Neritina fluviatilis
Bythinia leachii
" tentaculata

Iver and Colne Brook near West Drayton, Bucks.
15. 3. 08.

Agrio. agrestis
" laevis.
Arion ater
" subfuscus.
" hortensis.
Vitrina pellucida.
Vitrea cellaria
" nitidula
" crystallina.
Helix rotundata
" costata.
" cantiana
" hispida
" rufescens
" aspersa.

Colne Brook, Bucks. Cont.

Helix hortensis.
" nemoralis.
Bulimus obscurus
Cochlicopa lubrica
Succinea putris — Young.
" elegans — Dead.
Planorbis crista
" fontanus
" carinatus
" vortex
" contortus
Physa fontinalis
Limnaea pereger.
" stagnalis
" palustris
" auricularia.
Acrolaxus lacustris
Paludina vivipara
Bythinia leachi
" tentaculata
Valvata cristata
" piscinalis
Anodonta cygnea.
Unio pictorum.
Sphaerium corneum
" rivicola
" lacustre.?

Pisidium amnicum.
" pusillum.

(108)

Gravesend & Chalk. 22.3.08.
Kent West.

Agrio. agrestis.
Vitrea nitidula
Helix cantiana
" hispida
" rufescens.
" virgata
" aspersa.
" nemoralis.
Cochlicopa lubrica
Cyclostoma elegans.
Limnaea pereger.
Assemania grayana.

Phytia myosotis
Paludestrina jenkinsi
" ventrosa.
"

Common under stones, along Flames, just above high water, with Phytia myosotis.

South Downs, Brighton to Lewes.
Sussex East. 29. 3. 08.
AWS & CPH.

agrio. agrestis.
arion ater.
" hortensis
" fasciatus
" intermedius
Vitrina pellucida.
Vitrea cellaria
" [illegible]
" nitidula
" radiatula
" pura.
" crystallina.
Helix. rotundata
" pygmaea.
" hispida.
" rufescens.
" cantiana.
virgata
" striata
" aspersa.
" nemoralis
" pulchella
" costata.
" itala.
Bulimus obscurus.

South Downs, Sussex East. Cont.

Cochlicopa lubrica
Pupa muscorum.
" secale.
Clausilia rolphi.
" bidentata
" laminata.
Carychium min.
Vertigo pygmaea.
Cyclostoma elegans.
Limnaea peregr.

Very abundant in a "dew pond" on top of Ditchling Beacon in company with Pl. albus & two species of Pisidia, + Sph. lacustre. about 15 yards would be dia. of Pond. altitude about 800 ft. also at Lewes.

" palustris.
Planorbis albus.
Neritina fluviatilis.

In dew pond on Ditchling Beacon. Very abundant on weeds in rapid parts of ~~River~~ Cockshute River at Lewes.

Paludestrina jenkinsi.
Pisidium pusillum
" obtusale
" nitidum
Ophaeum lacustre

Lewes. Vars. carinata & coronata & type.
Lewes.
(109) & (110)
[illegible]
"
also Pl. umbilicatus
1/11

Planorbis crista top with Pal. jenkinsi & from Lewes. AWS. 10.1.10

Boxgrove, Sussex West.
4.4.08.

Agrio. agrestis.
Arion hortensis.
Limax maximus.
Helix rotundata.
" hispida.
" aspersa.
" virgata.
" striata.
" cantiana.
" rufescens.
Vitrea cellaria.
Helix hortensis.
" ~~aspersa~~.
Limnaea peregra.
" palustris
" truncatula.
Planorbis spirorbis
Pisidium pusillum
" fontinalis

(111)

7.4.08.

Planorbis umbilicatus
Bythinia tentaculata
Succinea putris? Young.
Arion intermedius
" fasciatus.

South Downs. Bignor to Duncton.
Sussex West. 5.4.08.

Arion ater.	Young.
" fasciatus	Frequent
" intermedius	Very common in the woods.
Agrio. agrestis.	Common. Var brunnea.
" laevis.	One specimen at base of downs.
Vitrina pellucida	Common.
Vitrea cellaria.	Common.
" nitidula.	Common.
" crystallina.	Common.
" pura.	Type very large ~~to~~ common.
" radiatula?	
Helix rotundata.	Common.
" hispida.	Common. The usual "Downs" type.
" rufescens.	Common.
" cantiana.	Common.
" virgata.	Locally common.
" striata	Common.
" cupreata?	
" obvoluta.	I took eight specimens alive in deep lane near Bignor & about 7 dead. Two dead on bank of stream at Duncton & one alive in woods on Ducton Beacon. The first were on a ~~damp~~ scrubby bank ~~[illegible]~~ in company with. Helix arbustorum, H. hortensis. H. rufescens. Cl. rolphi & Cl. bidentata. Most of them were "sealed" for winter.

Bignor & Duncton. cont.

Helix hortensis.	Common.
" nemoralis.	Common. Some large dead shells in the woods on Duncton Beacon: The largest measuring mm. in diam.
" arbustorum.	In lane with H. obsoluta at Bignor.
" aspersa.	Common.
Coch. lubrica.	Rare. One white specimen.
Carychium min.	Common.
Clausilia rolphi.	Abundant at Bignor with H. obsoluta.
" bidentata	With above very common.
" laminata	Rare one dead & one alive on Duncton Beacon.
Pupa muscorum	Bignor.
Limnaea truncatula	Bignor.
Cyclostoma elegans.	Common.

South Downs. Petersfield & Buriton
South Hants. 6.4.08.

Agrio. agrestis	Common
Arion ater.	All under one stone
" hortensis	
" fasciatus	
" intermedius	Common in woods.
Vitrina pellucida.	Frequent.
Vitrea cellaria.	
" nitidula	

Petersfield & Buriton. cont.

Vitrea pura.	All common under beech leaves on downs.
" crystallina	
" fulva	
Helix rotundata	Common.
" pulchella	Common.
" hispida.	Common
" rufescens.	Common.
" hortensis.	
" cantiana	All common
" aspersa	
" virgata	
" striata	
Carychium min.	
Clausilia rolphi.	Buriton
Limnaea peregra.	Buriton.
Cyclostoma elegans	Common.

Midhurst, Sussex West. 6.4.08.

Agrio. agrestis	
Arion intermedius	
Helix rotundata	
" hispida	
" rufescens.	
" hortensis.	
Limnaea truncatula	
Pisidium pusillum?	

Didling.

Helix aspersa.	
" cantiana	
" hortensis	
" hispida	
" rufescens.	
Vitrea nitidula.	

Normandy Tour, Easter 1908.

St. Aubin & district betwn Rouen & Pont de l'arche.

18.4.08.

Arion ater.	Rare.
" subfuscus.	Very brightly coloured.
" fasciatus.	Common.
" hortensis.	Common.
Vitrea lucida.	Very common, but nearly all young, at bases of walls among nettles &c.
Helix rotundata.	Common.
" nemoralis.	Common.
" aspersa.	Nearly all used as pas food.
" carthusiana.	Very common dead on chalk slopes near St Aubin.
" itala.	With latter. Common.
Pupa secale.	With latter. A few mostly dead.
" muscorum	" " " " "
Planorbis corneus.	In a small pond at St. Aubin.
Limnaea peregra.	The true continental type. With Pl. corneus.
Cyclostoma elegans.	Common.

3.2.1
2.4.5½
11.1½

Chateau Gaillard & St. Pierre, near Pont de l'arche.

19.4.08.

Arion ater	Common at both localities
" subfuscus.	" " " "
" hortensis	" " "
" fasciatus	Chateau Gaillard.
" intermedius	" "
Agrio. agrestis.	Common at Chateau Gaillard.
Vitrea lucida.	" " " "
Helix pygmaea.	In the ruins of the Castle under fallen stones
" pulchella.	" " " " " " "
" hispida.	In the castle at St Pierre.
" carthusiana	" " "
" itala	Castle only.
" aspersa.	Common.
" ponatia	St. Pierre. Along bank of Seine.
" nemoralis.	Some nice specimen with white band also no 3 at St. Pierre. Mostly 00345. Var. libellula 00000 occured in the ruins of the castle.
" rotundata.	Common in the Castle.
Clausilia parvula.	Common in the Castle under stones.
Pupa muscorum	" " " " "
" secale.	" " " " "
" cylindracea	" " " " " - Extremely large specimen & with very prominent tooth.

Château Gaillard & St Pierre cont.

Vertigo pygmæa	Common under stones in the Castle.
" minutissima	a few with V. pygmæa.
Bulimus obscurus	Common in the Castle.
Vivipara vivipara.	Rejectamenta of Seine at St. Pierre.
Succinea putris.	Bank of Seine at St. Pierre.
Cyclostoma elegans.	Château Gaillard - common.

La bouille, on Seine. 21.4.08.
12 miles below Rouen.

Agrio. agrestis.	Common.
Arion ater.	Common.
" subfuscus.	A few.
" hortensis.	Common
" fasciatus.	Common.
" intermedius.	In the woods. common.
Vitrina pellucida.	A few dead in woods.
Vitrea lucida.	Very common.
" nitidula.	A few only.
" crystallina.	Dead only.
Helix rotundata.	Common.
" hispida.	Common.
" hortensis.	Common.
" nemoralis.	Common.
" aspersa.	Common.
" pomatia.	Young Specimen only.

La bouille continued.

Helix Cinctata	Apparently very common in the old wood above La bouille & also in the "Forêt de la Londe."
" Capicida.	A few young at root of trees.
Clausilia rolphii	Common.
" laminata.	One specimen.
Bulimus obscurus.	Common.
Cyclostoma elegans.	Common.

Bazeux. 23.4.08.

Vitrea Lucida	All at base of wall in Good station.
" Cochlicopa lubrica	
Helix rotundata	
" hispida.	
" aspersa.	
Agrio. agrestis.	

Caen. 24.4.08

Limnæa peregra. form ovata	In a stream at the South side of the Abbaye aux Hommes.

Graveyard of St. Nicholas Church. Caen. 24.4.08.

Agrio. apestis.
Arion hortensis.
Vitrea lucida
" helvetica, Blm. Identified by radula as this species by C.N. Bowell.
" nitidula. Form niteus
Helix aspersa.
" rotundata.
" nemoralis.
" hispida.
Cupa cylindracea
Clausilia bidentata Form Cl. rugosa.

Allemagne, near Caen. 24.4.08.

Agrio. apestis.
Arion fasciatus
" hortensis.
Vitrea nitidula. Form niteus
" ~~rogersi~~ V. helvetica Blm ?
" lucida.
Helix rotundata
" hispida.
" nemoralis.
" aspersa
" virgata Dead only.

Allemagne continued.

Helix itala.
" cartusiana Dead only.
" barbara. In ballast on roadside. Probably brought from the coast.
Cochlicopa lubrica.
Clausilia bidentata & Cl. parvula.

Canal de Mer à , Caen. 25.4.08.

Agrio. apestis
Limax maximus
Arion ater.
Vitrea cellaria.
" lucida.
" ~~rogersi~~ ? V. helvetica Blm. ?
" nitida.
" fulva.
Helix rotundata
" hispida.
" virgata.
" aspersa.
" nemoralis.
" cartusiana.
" costata.
Cochlicopa lubrica.
Clausilia bidentata.
Succinea Pfeifferi.

Caen continued.

Planorbis vortex
" umbilicatus
Physa fontinalis.
Limnaea peregra — Form ovata.
" stagnalis.
" palustris.
Bythinia tentaculata.
Valvata cristata.
Sphaerium corneum.
Pisidium pusillum
" globulare.

(113)

Forêt Roumare, north of Rouen.
& Boscherville. 26.4.08

Agrio. agrestis.
Limax arborum.
Arion ater. — Var. rubrum.
" fasciatus.
" hortensis.
Vitrina pellucida.
Vitrea cellaria. ?
"
" nitidula. Type.
" radiatula.

Forêt Roumare continued.

Helix rotundata
" fusca. One very young specimen.
" hispida
" nemoralis.
" aspersa.
" itala.
" limbata. Very common.
" lapicida.
Pupa muscorum. On the Abbey walls at Boscherville.
Clausilia rolphii.
" laminata.
" fidentata.
Succinea — Hum.
Cylindrus obtusus.

Chiltern Hills, Wendover to Princes Risborough.
AWS & C.P.H. 3rd May. 1908.
Bucks.

Limax arborum.	On trees & in garden at
Agrio. agrestis.	Common.
Arion ater.	Common.
" hortensis.	Rather scarce.
" intermedius.	Under beech leaves.
" fasciatus.	Common.
Vitrina pellucida.	A few dead.
Vitrea cellaria.	Common.
" nitidula.	Common. Var. nitens.
" alliaria.	One specimen in wood.
" radiatula	In moss on downs. C.P.H.
" pura.	Under leaves in wood.
" crystallina	Common.
" fulva	In wood under leaves.
" rogersi.	Near Church.
Helix pygmaea	On downs near Princes Risborough.
" rotundata	Type & var. alba.
" hispida	Common.
" rufescens.	Common.
" aculeata.	Under leaves in wood.
" pulchella.	In moss on downs.
" itala	Common.
" virgata	Dead only.
" caperata.	A few dead. = [illegible]
+ stricta	A few alive on downs. = [illegible]

Chiltern Hills continued.

Helix hortensis.	Common.
" nemoralis.	Common.
" arbustorum	Very common, all along roadside, in hedges. Vars. flavescens,
" lapicida	A fair number on trees in woods.
" cantiana	Common.
" aspersa.	Common.
Cochlicopa lubrica	A few in woods. Very small.
Bulimus obscurus.	Common.
Clausilia bidentata	Common.
" laminata	Very abundant in hedges & on trees. One var. albina.
Pupa muscorum	On downs.
" secale	On downs, two specimens dead.
Vertigo pygmaea	Two specimens in grass with Pupae.
Carychium minimum	Common.
Limnaea peregra.	Pond near Church.
Planorbis contortus	" " " "
Sphaerium corneum.	" " " "
Cyclostoma elegans	Very common.

Amberley & Bignor. Sussex West.
AWS & CPA. 17th May. 08.

Limax arborum
Agrio. agrestis.
Arion ater
" rubfuscus
" intermedius
" fasciatus.
Vitrina pellucida.
Vitrea cellaria
" nitidula.
" pura.
" crystallina.
Helix hispida.
" rufescens.
" cantiana.
" rotundata.
" caperata.
" virgata.
" obvoluta.
" hortensis.
" nemoralis.
" aspersa.
" arbustorum
" lapicida. Dead only.
Cochlicopa lubrica.
Bulimus obscurus.

Clausilia rolphi
" laminata.
" bidentata.
Cyclostoma elegans
Limnaea peregra
" palustris
" stagnalis
" truncatula
Physa fontinalis
Succinea putris.
Planorbis corneus.
" umbilicatus
" contortus
" spirorbis.
Valvata cristata
Bythinia tentaculata
Paludestrina confusa. A few alive in small drain in fields bordering on River Arun, one mile above Amberley station. Verified by A. S. Kennard. 8.7.08.
1st Record alive for South Coast.
Sphaerium corneum
Pisidium pusillum
" obtusale.

(114)

Ranmore Common, near Dorking, Surrey.
A.W.S. 24.5.08.

Limax arborum
Agrio. agrestis.
Arion ater
" fasciata
" hortensis.
" intermedius
Vitrina pellucida.
Vitrea cellaria.
" nitidula.
" rogersi.
" alliaria
" pura.
" crystallina.
Helix rotundata
" lispida
" rufescens.
" cantiana.
" itala.
" striata. Drap. = costata Müll.
" hortensis.
" nemoralis.
" aspersa.
" pomatia.
Cochlicopa lubrica.
Azeca tridens Dead only, on chalk slope above Dorking.

Carychium min.
Clausilia bidentata
" laminata.
Cyclostoma elegans.

Penshurst to Tonbridge. Kent & West
A.W.S. & Steward & Rev. C.W. Bovill.
30.5.08.

Agrio. agrestis.
Limax maximus.
Arion hortensis
" intermedius
Vitrina pellucida.
Vitrea cellaria.
" alliaria.
" nitidula.
" radiatula.
" crystallina.
Helix rotundata
" lispida.
Cochlicopa lubrica
Planorbis albus
" spirorbis.
" umbilicatus
" crista.
Physa fontinalis.
Limnea peregra

Limnea palustris.
" truncatula
Pisidium commune
" casertanum ✓
Pisidium pusillum
" fossarianum
" pulchellum (115)
" casertanum

Limnea palustris.
" truncatula
Pisidium commune
" casertanum ✓
Pisidium pusillum
" fossarianum
" pulchellum (115)
" casertanum

Petersfield & Stoner Hill. Hants South.
AWS. 31.5.08.

Limax maximus.
" arborum.
Agrio. agrestis.
Arion ater.
" subfuscus.
" fasciatus.
" intermedius.
Vitrina pellucida
Vitrea cellaria
" alliaria
" pura.
" nitidula
" crystallina.
Helix rotundata
" pygmaea.
" hispida.
" rufescens.
" cantiana
" lapicida.
" hortensis
" aspersa.
" caperata Mont. = fasciolata Colbran = heirtensis Matille.
Cochlicopa lubrica.
Pupa cylindracea

Vertigo edentula
Clausilia bidentata
" laminata.
" rolphi.
Carychium minimum.
Cyclostoma elegans.
Planorbis crista
" fontanus
" albus.
Limnaea stagnalis
" peregra.
" truncatula.
Pisidium pusillum (116)

Aplacus lacust.? ~~Probably P. casertanus~~
Anczylus lacustris.

Southampton South Hants. AWS + Russell 7.6.08.

Agrio. agrestis.
Arion subfuscus.
" hortensis
Helix hortensis
" aspersa.
" hispida.

New Forest - Lyndhurst. Hants South.
AWS & R. Welch. 7.6.08.

Limax arborum.
Agrio. agrestis.
Arion ater.
" subfuscus.
" hortensis.
" fasciatus.
" intermedius
Vitrea cellaria
" alliaria
" fulva.
" excavata.
Helix rotundata
" hispida.
" rufescens.
" nemoralis.
Cochlicopa lubrica.
Aplexa hypnorum.
Succinea Pfeifferi.
Anaylus fluviatilis.
Limnaea pereger.
" truncatula
" glabra.
Planorbis spirorbis + P. leucostoma.
Sphaerium corneum.
Pisidium pusillum
" casertanum

(117)

River Wey & Hogs Back, Guildford. Surrey.
AWS & CPH. 14.6.08.

Agrio. agrestis.
" laevis.
Arion ater.
" intermedius
Vitrina pellucida
Vitrea cellaria.
" nitidula
" radiatula
" crystallina
" fulva.
" nitida.
Helix rotundata
" hispida.
" rufescens.
" cantiana.
" caperata.
" virgata
" hortensis
" nemoralis
" aspersa.
" excentrica.
Pupa muscorum.
Clausilia ~~[illegible]~~
" laminata
Cochlicopa lubrica.

Guildford continued.

Cyclostoma elegans
Succinea putris
" elegans.
Ancylus fluv.
Limnaea pereger.
" palustris
" auricularia
" stagnalis
" truncatula
Physa fontinalis
Aplecta hypnorum
Planorbis albus
" vortex
" spirorbis
" contortus
" corneus.
" fontanus
" carinatus
" umbilicatus
Paludina vivipara
Bythinia tentaculata
" leachii
Paludestrina jenkinsi
Valvata piscinalis
" cristata.

Guildford Continued.

Sphaerium corneum.
Pisidium pusillum
" amnicum
" henslowianum
subtruncatum ?

(118)

Anodonta cygnea.

Punch Bowl, Hindhead Bottom & Witley Surrey. AWS & CPH. 21.6.08.

Agrio. agrestis
" laevis.
Arion ater
" hortensis
" fasciatus
" intermedius
Vitrina pellucida
Vitrea nitidula
" radiatula
" crystallina
" alliaria
" fulva.
" excavata C.P.H.
" nitida.
Helix rotundata

Hindhead continued.

Helix hispida	
" rufescens.	
" cantiana	
" caperata.	
" nemoralis.	
" hortensis.	
" aspersa.	
Cochlicopa lubrica	
Carychium minimum	
Vertigo substriata	In damp moss near stream in Hindhead Bottom.
" antivertigo	One specimen with next species.
" moulinsiana	21 specimens taken by shaking cut rushes near the source of the Way on Road to Godalming from Haslemere. "Hammer Road"
Pupa cylindracea	
Succinea putris	
Bulimus obscurus	Dead near Witley.
Limnaea pereger.	
" truncatula	
Planorbis albus	
" spirorbis	
Pisidium ~~pusillum~~	casertanum personatum
" henslowianum	✓
" nitidum	✓
" subtruncatum	✓
" obtusale	✓

none seen here on 18 Sept 1911 see III p

119

Dover to Deal. Kent ~~West~~ East
AWS. 2-7-08.

Vitrea cellaria.	
Helix rufescens	
" hispida	
" virgata.	
" striata	= Caperata Mont.
" itala	
" cantiana	
" cartusiana	
" aspersa.	
Pupa muscorum.	

Penzance. (Within radius of 5 miles.)
Cornwall west. AWS. 4th–7th July 1908.

Agrio. agrestis	Common.
Amalia gagates.	Rare. Probably owing to great heat.
Arion ater.	Type & vars. brunnea & abbolateralis. Latter commonest.
" subfuscus.	Common & very brightly coloured.
Zon. nitidum	A few near Maragion.
Helix rotundata	Common.
" hispida	A few, but rare
" granulata	along Maragion Road, apparently common.
" virgata	Common.
" barbara.	Common.
" aspersa.	Common.
" nemoralis.	Common.
" hortensis	Common above Mouse Hole.

Penzance continued.

Cochlicopa lubrica.
Pupa cylindracea.
Succinea putris
Limnaea palustris
" pereger.
" truncatula
Planorbis spirorbis
Pisidium pusillum. (120)

Zennor & St Ives. Cornwall West.
AWS. 5.7.08.

Agrio. agrestis.	Common
Limax arborum.	"
Arion ater	"
" subfuscus.	"
" hortensis	Rare.
" fasciatus	Rare.
Vitrea cellaria	
" alliaria	
" hebetica?	
" nitidula	
Helix rotundata	
" hispida	
" granulata	Common at "Chapel Fane" near Cornwall's Head.
" aspersa.	
" nemoralis.	

Zennor continued.

Clausilia bidentata.	Rare.
Succinea pfeifferi	
Ancylus fluviatilis	
Limnaea truncatula	
Pisidium pusillum.	(121)

"Logan Rock" to Lands End. Cornwall West
AWS. 6.7.08.

Agriolimax agrestis	
" laevis.	
Arion ater	
Vitrina pellucida	
Vitrea cellaria	
" [illegible]	
" [illegible]	(V scharffi according to E.W. Bowell.) (Tommy Rot')
" [illegible]	
" [illegible]	
Helix rotundata	
" [illegible]	
" granulata	Common.
" revelata.	Two specimens & many young ones under stones by stream running into Mill Bay, 1½ miles east of Lands End.
" aspersa	
" nemoralis.	

Lands End continued.

Helix virgata	
" caperata	(striata Drap)
" barbara.	
Cochlicopa lubrica.	Rare
Carychium minimum	Common
Pupa cylindracea.	Common
Succinea pfeifferi	Rare.
Anaglus fluviatilis	Common.
Pisidium pusillum.	Common. (122)
Clausilia bidentata	Rare

St Just, Cape Cornwall to Lands End & Whitesand Bay. Cornwall west AWT. 7.7.08.

Limax arborum.	
Agrio. agrestis.	
Arion ater.	
Vitrina pellucida.	
Vitrea [illegible]	
"	
Helix rotundata	
" revelata	Fairly common under granite boulders on grassy slopes. Not too low down, but usually 150-200 ft above sea.
" virgata	A bin like the Dog's Bay shells.
" caperata	(striata Drap) ?

Whitesand Bay continued.

Helix itala	Scarce.
" barbara.	
" nemoralis	
" aspersa.	
Cochlicopa lubrica	
Pupa cylindracea	
Succinea pfeifferi	
Anaglus fluviatilis	
Limnaea truncatula	

Norway Trip 1908.

17th July – 14th August

Bergen 17th July.

Agrio. agrestis Arion fasciatus Helix hispida.	All in small plantation next to Railway station.

Bergen & Minde 14th August.

Agrio. agrestis	On shore of lake near Minde Station
Arion fasciatus	" " " " " "
Limnaea peregra.	& L. truncatula. The L. peregra is similar to the form found in Graheem L., Achill Island.
Pisidium obtusale " casertanum " milium	In lake & stream. = globulare Cl. (?). 123 — Verified by A. W. S. 23-12-1917.

Vatnahalsen, July & August 2,500 ft alt.

Limax arborum.	Fairly common. Pale form, same as on Orkney.
" c-niger.	Two full grown & one young: near Geltuft. Vars. black & brown.
Agrio. agrestis.	Common in gorge below fall. (Kjøsfos)
Arion ater	Rare
" subfuscus.	Very common.
Vitrina pellucida	Very common in woods.
Vitrea petronella	Very rare in gorge below Kjösfos.
Euconulus fulvus	Very common & large.
Helix ruderata.	About ½ dozen under tree in the gorge.

Frethein 20.7.08.

Cochlicopa lubrica.	

Flaamsdal 12.8.08.

Limax arborum.	Common.
" tenellus.	One large specimen near Flaam.
Agrio. agrestis.	Common.
Arion ater	Rather scarce.
" subfuscus	Very common.
Vitrina pellucida.	
Vitrea ~~radiatula~~ or petronella	Rare
Euconulus fulvus	Common.
Clausilia bidentata	Not at all common.
Coch. lubrica.	A few var. vitrina.
Helix arbustorum	Very common & small. Vars. flavescens & fusca.
" lapicida.	On stones at roadside for 2 miles above Höga Bridge.
" ruderata	Frequent, but nowhere abundant.
" excentrica	Near Flaam, probably common.

Geltuft 3,000 ft alt.

Limax arborum. Arion subfuscus Vitrina pellucida Helix arbustorum " ruderata.	All in woods, along lake.

Finse. Norway. 4,500-5000ft alt.

Arion subfuscus — One specimen on lake shore.
Helix arbustorum — Two large specimens about 700ft. above railway station.

Collected by F. Balfour Browne at Finse, Sundhordaland, Norway — July 1908.

North-west Donegal 5th - 15th Sept. 1908
all in Donegal West. (35).
See I.N.

Horn Head, Ramore. 5.9.08.

Agrio. agrestis.
Arion fasciatus
" ater — On mainland.
Vitrea cellaria

Helix itala
" caperata — all over the grass slope above bridge & not in 'circus ring' as in Sept. 1905. = H. intersecta, Poiret
" nemoralis — In ruins of cottage at Horn Head end of bridge & along roadside near Dunfanaghy. Not seen in 1905!
" hispida — Var. concinna.
" acuta
" aspersa — On Mainland.
" nemoralis
Cochlicopa lubrica
Succinea pfeifferi
Limnaea peregra
" truncatula
Pisidium subtruncatum
Pisidium fontinale.

Horn Head, Dunes at Tramore & Pollanguil Bay.
6.7.08.

Limax arborum	
Agrio. agrestis	
Arion ater	
" intermedius	
" subfuscus.	
Vitrina pellucida	
Vitrea hibernica	
" schachti	
" alliaria	Type + var. viridula.
" radiatula	
Helix hispida	
" rufescens	
" caperata.	Pollanguil Bay very common, but local.
" nemoralis.	Very weathered & heavy specimen at Pollanguil.
" itala	At Tramore the 'coalita' form with white lip is
" acuta	very predominant.
" aspersa.	
" excentrica ✓	Both correct! G.W.S. 1924.
" costata. ✓	
" rotundata	+ Var. alba.
Cochlicopa lubrica	
Succinea schumacheri	Near McSwine's Gun in small marsh.
Pupa cylindracea	
" muscorum.	
Vertigo pygmaea	
Balea perversa.	
Clausilia bidentata	A very small form near McSwine's Gun.

Limnaea truncatula
" pereger
Pisidium 2 species

Kill Lough & shores, above Dunfanaghy.
6.7.08. per Chaster & Wright.

Limnaea pereger	
" auricularia	Var. acuta
" palustris.	
" truncatula	
Planorbis spirorbis	~~True P. spirorbis~~ ? No P. leucostoma.
Pisidium pusillum	(126)
" milium	
Vitrea radiatula	
" crystallina	
" fulva.	
Agrio. agrestis	
Arion ater	Var. brunnea.
Helix aculeata	
" lamellata.	
Vertigo pygmaea	

Sessiagh Lough. 6.7.08. per J. N. Milne.

Arion ater	
Zon. nitidus	
Vertigo pygmaea	
Pupa cylindracea	
Paludestrina stagnalis.	One specimen of this species in pool near road, with operculum in position, but lost before it was proved to be alive or not.

Dunfanaghy + Ballymore. 7.9.08.

Arion ater.	
Vitrea hibernica	
" nitidula	
Helix hispida	
" itala	
" hortensis	One dead typical example taken in flood refuse at Ballymore by F. Balfour Browne.
" fusca.	Several in flood at Ballymore.
Pl. spirorbis.	

Helix nemoralis.

Maghera gallon church near Bunbeg. 8.9.08.

Agrio. agrestis	
Limax arborum	Very large.
Vitrina pellucida	
Vitrea alliaria	Mostly type.
Arion ater	
" subfuscus.	
Helix nemoralis	Some very small spec. in grave yard.
" aspersa	Not so common as in 1905.
" itala	
" acuta	
" hispida	
" rotundata	

Below Hotel at Bunbeg.

Amalia gagates.	Very large.

Carrickfin Peninsula, 8.9.08.

Limax arborum	
Agrio. agrestis	
" laevis	
Amalia gagates	
Arion ater	
" subfuscus	
" intermedius	
Vitrina pellucida	
Vitrea cellaria	
" nitidula	
Zon. nitidus	
Euconulus fulvus	
Vitrea radiatula	
Helix pygmaea	
" itala	
" acuta	
" aspersa	
" nemoralis	Form citrinogmata + roseogmata.
Coch. lubrica	
Carychium minimum	
Vertigo pygmaea	
" antivertigo	
" substriata	
Pupa muscorum	
" cylindracea	
" anglica.	

Carrickfin Peninsula cont.

Succinea pfeifferi	
Limnaea peregra	Var. Boissgi in Cambog lake. White spec.
" auricularia	Var. acuta.
" truncatula	
Planorbis crista	
" glabra	
" spirorbis	The former in the lake & the latter in a ditch near James Boyd's farm.
" leucostoma	
Pisidium pusillum	
" fontinale	
" milium	

127

Wood at Lough Bloghermacnaghten near Gweedore Station 9.7.08.

Limax arborum	
agrio. agrestis.	
" laevis.	
Arion ater	
" subfuscus	
" intermedius	
Vitrina pellucida.	
Vitrea radiatula	
" alliarium & var.	
" nitidula & var helmii.	
Helix rotundata	
Cock. lubrica.	
Pupa anglica ✓	
Sphyradium edentulum	

Bunbeg Sand Dunes. 10.7.08.

Arion fasciatus	
Limax arborum	
agrio. agrestis.	
Vitrina pellucida	
Vitrea hibernica	
Helix hispida	
" nemoralis	
" aspersa.	
" itala.	Helix acuta.
Amalia gagates.	

Mullaghdeng. 11.7.08.

agrio. agrestis	
" laevis	Shore of Lough Ibbg.
Amalia gagates	V. comma. Many drowned by floods.
Arion ater	
" intermedius	
Vitrina pellucida	
Vitrea alliarium	
" nitidula	
" radiatula	
Jon. nitidus	
Helix nemoralis	
" aspersa	
" itala	
" acuta.	

Mullaghderg continued

Carychium min.
Vertigo pygmaea
" antivertigo
Pupa anglica. V. rare.
" cylindracea
Limnaea peregr.
" truncatula
Succinea pfeifferi
Pisidium pusillum ?

(128)

Inishmeane, off Bunbeg
12.7.08.

Agrio. agrestis
Arion intermedium
Vitrina pellucida
Vitrea alliaria
" cellaria = hibernica
Helix excentrica. ✓ Correct! A.J.S. 1924.
" itala
" nemoralis
" acuta
" rotundata
Pupa cylindracea
Balea perversa
Clausilia bidentata
Planorbis crista.
Coch. lubrica
Limnaea peregr.
Mr. Boissy.

Limnaea palustris
" truncatula
Aplecta hypnorum
Pisidium pusillum. (129)

Plain wash. Vert. angustior
O. aculeata. " pusilla
Hy. pura. Vall. pulchella
Coch. lubrica. " costata
C. minimum. C. fulvum
Cl. bidentata. P. pygmaea
A. acicula. Hy. alliaria, jar.
H. nemoralis. General marine shells.

Gola Island, off Bunbeg.
12.7.08.

Agrio. agrestis
" laevis.
Arion ater
" hortensis Very pale in colour. (?) Prob. by A. intermedium aug. 1911.
" intermedium
Vitrina pellucida
Vitrea alliaria
Helix excentrica
" rotundata
" nemoralis
" aspersa. Dead only. (Milne).
" itala
" acuta.
Pupa cylindracea
Cochlicopa lubrica.
Limnaea peregr.
" truncatula
Pisidium ~~pusillum~~ (130)
" obtusale ✓ Peaty water form.

Dunleavy. 13. 7. 08.

agrio. agrestis	
" laevis.	
Limax arborum	
" maximus	(G.W. Charter).
Arion ater	
" subfuscus	
" hortensis	
" fasciatus	
" intermedius	
Vitrina pellucida	
Vitrea hibernica	Near Gweedore Station.
" scharffi.	" " "
" alliaria	
" nitidula	+ var. helmi.
" crystallina	
Jon. excavatus.	Much commoner than in 1905.
Helix rotundata	
" hispida.	
" nemoralis	
" fusca.	
Arch. lubrica	
Cayoli minor	
Limnaea peregra	
" truncatula	
Clausilia bidentata	
Balea perversa	

Dunleavy continued

Pupa cylindraea	
Vertigo pygmaea	
" edentula.	
Ancylus fluviatilis	
Planorbis spirorbis	
Unio margaritifer	Near Gweedore station in Clady River.
Pisidium pusillum	
" fontinale	

Cruit Island north of Burton Port.
14/7/09.

agrio. agrestis	
" laevis	
Limax arborum	
Arion ater	Big & black.
" intermedius.	Almost black. Identified by W.D. Roebuck as A. hortensis. But Milne & I both think he was wrong. It was only like A. hortensis in colour.
Vitrina pellucida	
Vitrea alliaria	+ var. viridula.
Helix pygmaea	
" excentrica	— Correct! G.B.S. 1924
" costata	
" hispida	(Milne)
" itala	V. large.
" acuta	

Cruit Island continued.

Helix nemoralis	
" aspersa.	
" rotundata (Milne)	
Carychium minimum	
Pupa muscorum	
Vertigo antivertigo	
" pygmaea.	
Succinea pfeifferi	
" schumacheri	
Limnaea pereger	
" truncatula	
Planorbis crista	
" glaber	
" spirorbis.	
Pisidium milium	Pis. pulchellum? (132)
" pusillum	
?	

Keadew Land Dunes (Keadhe)

agrio. agrestis	also on Inishinny 15.7.08.
" laevis	
Amalia gagates	
Arion ater	
" intermedium	
Vitrina pellucida	also on Inishinny
Vitrea alliaria	" " "
" radiatula	

Keadew continued

Helix rotundata	
" hispida	
" nemoralis	also on Inishinny
" acuta.	also on Inishinny
" itala	also on Inishinny
" costata	On Castle Island only. ~~[illegible] two [illegible] Sterki from Inishinny~~
Coch. lubrica.	
Carychium minimum	
Pupa cylindracea	On Castle Island.
Vertigo pygmaea	also on Inishinny
" antivertigo	
Aplexa hypnorum	
Limnaea pereger	Var. Boissyi & ovata (small).
" auricularia	Var. acuta.
" palustris	
" truncatula	
Planorbis crista	
" glaber	
" spirorbis	
Pisidium milium	
" pusillum	(133)
" pulchellum	
Succinea elegans	Typical spec. by stream in Land dunes.
" schumacheri	On Inishinny

Inshoot from Atlantis Lough

Magilligan, Co. Derry. 17.9.08.

Agric. agrestis	
Arion ater.	
" subfuscus	
" hortensis	
" fasciatus	
Vitrina pellucida	
Vitrea alliaria	
" nitidula.	At Downhill
" crystallina	Dead.
Helix hispida	
" rufescens	Above Downhill on road to Castlerock.
" excentrica	
" rotundata	
" nemoralis	
" hortensis	With H. rufescens near Downhill. All libellula [illegible]
" itala	
" acuta	
" caperata	
Cochlicopa lubrica	
Pupa cylindracea	
Clausilia bidentata	
Limnaea peregra	
" truncatula	
Planorbis spirorbis	
Valvata piscinalis	
Pisidium pusillum.	

(134)

White park & Ballintoy. Co. Antrim. 18.7.08.

Agric. agrestis	
Arion ater	
" subfuscus	
" hortensis	
" fasciatus	
" intermedius	
Vitrina pellucida	
Vitrea hibernica	
" nitidula	
" radiatula	
" pura.	
" crystallina	
" fulva.	
Helix rotundata	
" hispida	
" aculeata	
" nemoralis	
" aspersa	
" itala	
" acuta	
" virgata	
Coch. lubrica	
Carychium minimum	
Pupa cylindracea	
" anglica	Var. pallida & alba.

And.

Vertigo pygmaea
" substriata
" edentula
Clausilia bidentata
Acme lineata.

Murlough Bay Co Antrim. 17.7.08.

Agrio. agrestis
Limax arborum
" maximus
Arion ater
" hortensis
" subfuscus
" fasciatus
" intermedius
Vitrina pellucida
Vitrea hibernica
" alliaria
" nitidula
" crystallina
Helix rotundata
" hispida + var. alba.
" nemoralis
" arbustorum
" aspersa.
Coch. lubrica
Clausilia bidentata
Balea perversa
Pupa cylindracea.

Donaghadee, Millisle & on to Ballyhalbert.
Co Down. 24-27. Sept. 08.

Agrio. agrestis
Arion ater
" hortensis
" fasciatus
" intermedius
Vitrina pellucida
Vitrea cellaria.
" nitidula
" crystallina
Helix rotundata
" hispida
" nemoralis
" aspersa
" acuta — Near Ballyhalbert.
Pupa cylindracea
Coch. lubrica
Balea perversa — V. common on all walls near sea.
Clausilia bidentata
Vertigo pygmaea

Vitrea Schaeffi. June 1st 1909 at Millisle ?
Arion subfuscus
Vallonia excentrica
& Helix rasfuscus
} Both living at Millisle Village Nov. 28th '09.

Collin Glen, Belfast. Co. Antrim
AWS + R.W. 3.10.08.

Agrio. agrestis
" laevis
Limax arborum
Arion ater
" subfuscus
" hortensis
" fasciatus
Vitrina pellucida
Vitrea crystallina
" pura.
" nitidula
" fulva.
Helix rotundata
" hispida
" nemoralis
" fusca.
Cochl. lubrica.
Carychium minimum.
Pupa anglica.
Clausilia bidentata
Vertigo edentula
Anaglus fluviatilis

(Helix arbustorum occurs in the upper part of the glen + H. lamellata in the lower part).

Kinnegar, Holywood. Co Down. 4.10.08.

Agrio. agrestis
" laevis
Arion ater
" intermedius
" fasciatus
Vitrea radiatula Var. viridula.
" crystallina
Carychium minimum
Limnaea pereger
Planorbis umbilicatus
" spirorbis } living near each other but seemingly keeping ?
" leucostoma } to different drains, although they overlap in several
Succinea pfeifferi
Anaglus fluviatilis
Pisidium pusillum
" obtusale
" pulchellum

All Pl. leucostoma, but of two forms. G.W.S.

135

Pevensey Level, near Eastbourne, E. Sussex
G.W.S. 29-3-09

[illegible] 135A

Clare Island Survey. Easter, 1909.

Achill Island near Sound. 8th April.

Limnaea truncatula	In pools along roadside.
Pisidium pusillum	? = personatum B.B.W.
" obtusale ✓	Var. esmarkiana (Identified by J.W. Taylor.) = cisertanum B.B.W. (136)

In Woods north of Mr Pike's house,

Agrio. agrestis	
" laevis	
Arion ater	
" hortensis	
" intermedius	
Zon. excavatus	Only type seen here. Very common.
Euconulus fulvus.	Common.
Sphyradium edentulum	Several specimens.

In Srahee Lough

Limnaea peregra.	A very small form resembling var. lacustris.
Pisidium nitidum ✓	Fairly common. Verified by J.W. Taylor. = obtusale, B.B.W.
" obtusale, pusillum & lilljeborgi (B.B.W) (137)	

Along shore north of Achill Sound.

Vitrea radiatula	
Zon. excavatus.	One specimen of var. viridula
Punctum pygmaeum.	One specimen.
Sphyradium edentulum	
Pupa cylindracea.	

Clare Island Div. No. 1 9th April 09.

Between Harbour & Area No. 3.

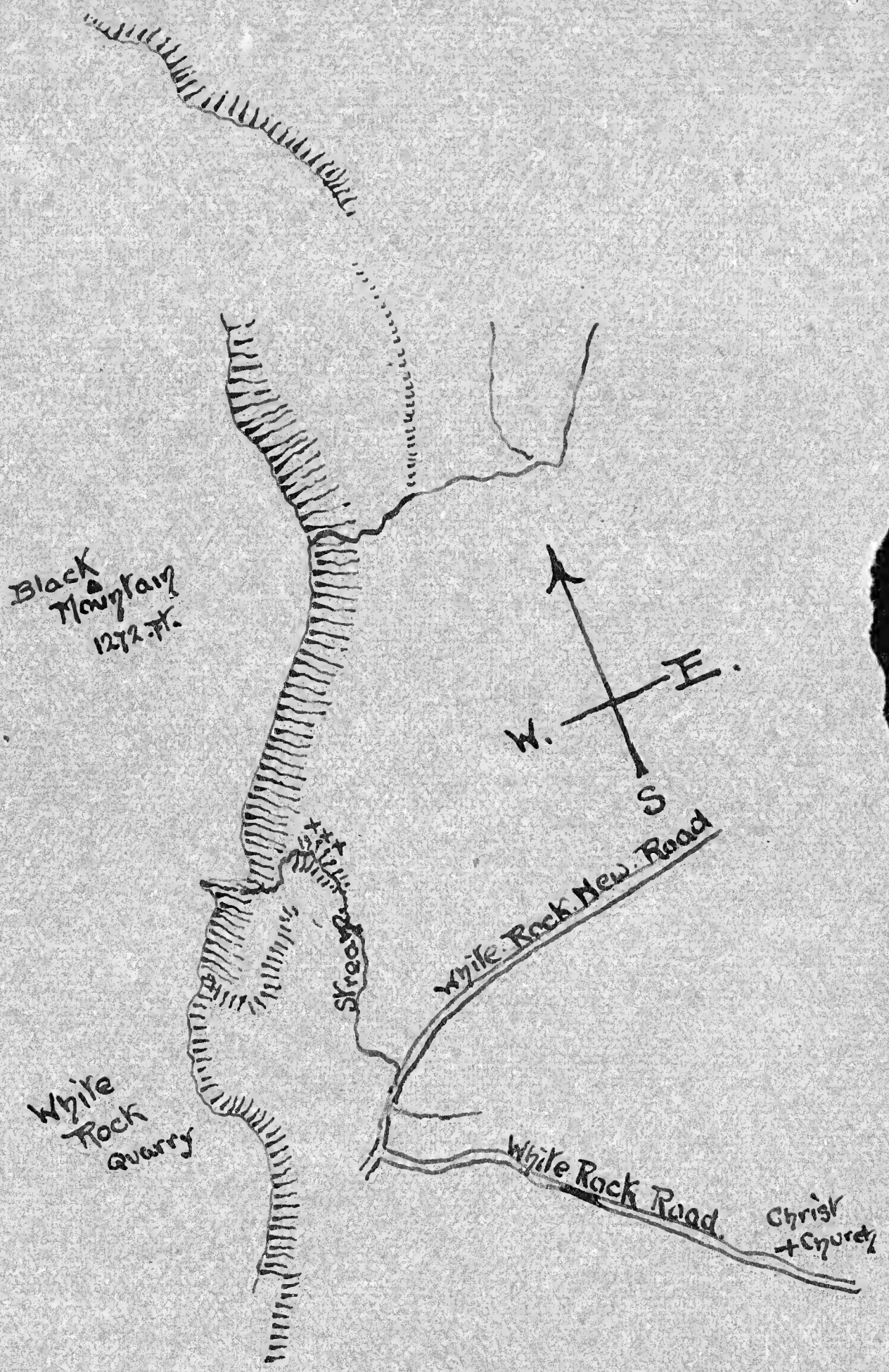
Arion ater	All specimens of more of less banded.
" subfuscus	Common.
" fasciatus	Fairly common in places.
Agriolimax agrestis	Nearly all var. brunnea.
" laevis.	Rare.
Vitrea radiatula	[illegible]
Zon. excavatus	[illegible]
Helix hispida	Common [illegible] left of road up to school house,
" rotundata	Common.
Pupa cylindracea	Common.

[illegible] Avullin

Area No. [illegible] Shores of Lough Avullin near Maum.

Arion ater	
" subfuscus	
Agriolimax laevis	
" agrestis	
Limax arborum	One very pale specimen with very black spots.
Succinea	Young specimens very common around Lough.
Vertigo antivertigo	Common in vegetable alive.
Limnaea truncatula	Common.
Planorbis spirorbis	Only one young specimen seen here.
Pisidium pusillum	(138) [illegible]

[illegible] 12 - [illegible] 09


Black Mountain 1272 ft.
N.
E.
W.
S.
Stream
White Rock New Road
White Rock Quarry
White Rock Road.
Christ Church

Clare Island Survey. Easter, 1909.

Achill Island near Sound. 8th April.

Limnaea truncatula	In pools along roadside.
Pisidium pusillum	? = personatum B.B.W.
" obtusale ✓	Var. esmarkiana (Identified by J.W. Taylor.) = casertanum B.B.W. (136)

In Woods north of Mr Pike's house,

Agrio. agrestis	
" laevis	
Arion ater	
" hortensis	
" intermedius	
Zon. excavatus	Only type seen here. Very common.
Euconulus fulvus.	Common.
Sphyradium edentulum	Several specimens.

In Graheen Lough

Limnaea peregra.	A very small form resembling var. lacustris.
Pisidium nitidum ✓	Fairly common. Verified by J.W. Taylor. = obtusale, B.B.W.
" obtusale, pusillum & lilljeborgi (B.B.W) (137)	

Along shore north of Achill Sound.

Vitrea radiatula	
Zon. excavatus.	One specimen of var. viridula
Punctum pygmaeum.	One specimen.
Sphyradium edentulum	
Pupa cylindracea.	

Clare Island. Div. No. 1. 9th April 09.

Between Harbour & Area No. 3.

Arion ater	All specimens more of less banded.
" subfuscus	Common.
" fasciatus	Fairly common in places.
Agriolimax agrestis	Nearly all var. brunnea.
" laevis.	Rare
Vitrea radiatula	A few.
Zon. excavatus	All type. Common.
Helix hispida	Common in field on left of road up to school house.
" rotundata	Common.
Pupa cylindracea	Common.

Area No. 3. Shores of ~~Lough~~ Lough Avullin near Maum.

Arion ater	
" subfuscus.	
Agriolimax laevis	
" agrestis	
Limax arborum.	One very pale specimen with very black spots.

Succinea ?	Young specimens very common around Lough.
Vertigo antivertigo	Common in rejectamenta alive.
Limnaea truncatula	Common.
Planorbis spirorbis	Only one young specimen seen here.
Pisidium pusillum	? (138)

(Also those taken [illegible] same place on 12-Sept. 09)

Area No. 3. In moss on hillside above Maum.

Arion ater
" subfuscus,
" intermedius
Vitrea radiatula
" crystallina
Jon. excavatus.
Helix rotundata
" pygmaea
" lamellata.
" aculeata.
Cochlicopa lubrica
Carychium minimum
Clausilia bidentata

Area No. 6. Under stones along cliffs.
above Tonaltarrive. 500–400 feet.

Arion ater
" subfuscus.
" intermedius
Agriolimax agrestis.
" laevis,
Vitrina pellucida
Pupa cylindracea.

Area No. 2. Collected in village above Abbey.

Arion ater.
" subfuscus.
Agriolimax agrestis
" laevis.
Vitrina pellucida
Vitrea alliaria — All var. viridula.
Helix rotundata
" aspersa.
Pupa cylindracea
Pisidium pusillum? = personatum B.B. Woodward. (139)

Area No. 1. From No. 2 along coast to Harbour.

Arion ater
" subfuscus.
Agriolimax agrestis
" laevis.
Jon. excavatus.
Vitrea radiatula
" nitidula.
" crystallina
" alliaria
Sphyradium edentulum.
Helix ~~pulchella~~
" itala
" nemoralis
Pupa cylindracea

Vertigo pygmaea. Very small.
Cochlicopa lubrica
Carychium minimum
Limnaea truncatula.
Pisidium ~~pusillum~~ = personatum B.B.W.
(140)

√ Correct! In mt. coll. labelled "Harbour" & mixed with some taken on 19/9/09. A.W.S. 1924

Identified by J.W. Taylor as Vallonia excentrica, Sterki.
A very local colony on a bluff where the sheep apparently could not get at the grass.
Very rare indeed. Libellula 00300. + one type.

Clare Island. continued.

Toormore, Area No. 7. (West End). 10th Ap. 09.

Limax arborum	Very common, large + much spotted almost down to sea level.
Milax gagates	Common with L. arborum.
agriolimax agrestis	
" laevis	
arion ater	
" intermedius	

(Arion subfuscus was a notable absentee during this morning's collecting.)

Vitrea alliaria	Var. viridula common.
" radiatula	Mostly type.
Zon. excavatus	
Enconulus fulvus.	
Helix rotundata	
Carychium minimum	
Cochlicopa lubrica.	
Clausilia bidentata	Very common with L. arborum + M. gagates.
Limnaea peregra	Several small high spired forms in pools below old "Watch Tower." = Longhnaphonea.
Planorbis spirorbis	a thick + very small form taken with L. peregra.
Pisidium pusillum ✓	Identified by J. W. Taylor
" nitidum? ✓	" " "
" ?	

Also Pupa cylindracea

(141) "Coming more" & L. naphonea.

(141A)

Area No. I continued.

Shore north of Harbour. 11th April. 09.

Vitrea alliaria	Var. viridula
Enconulus fulvus.	
Helix pulchella.	Identified by J. W. Taylor as Vallonia excentrica, Sterki.
" aspersa.	In pile of stones near "The Pound."
" itala.	On sand dunes near "The Pound."
Cochlicopa lubrica	
Carychium minimum	
Pupa cylindracea	
Vertigo pygmaea.	

Area No. 8. Croaghmore, 800 ft alt, north slope of cliff with alpine plants. 11.4.09.

arion ater	
" subfuscus.	
" intermedius	
agriolimax agrestis	
Limax arborum.	
Vitrea alliaria	
" nitidula	
" pura.	Very large var. nitidosa
" crystallina	
Helix rotundata	
" aculeata.	

Clare Island continued.
Croughmore No. 8. continued.

Helix Lamellata	
" fusca.	Two dead shells in moss.
Cochlicopa lubrica	
Carychium minimum	
Clausilia fidentata	
Pupa cylindracea	
" anglica.	
Ippyradium edentulum	

Area No. 8. continued. in
In hollow above cliffs 600 ft alt. 11.4.07.

Agriolimax laevis	
" agrestis	
Arion ater.	
" subfuscus.	
" intermedius	
Vitrea alliaria	Var. viridula.
" nitidula	
" radiatula	
" crystallina	
Pupa cylindracea.	

Area No. 3. continued.
From old scrub above Lough Avallin
2nd haul of moss. 11th ap.

Vitrina pellucida	
Vitrea alliaria	var. viridula
" radiatula	
Helix lamellata	
" pygmaea	
" aculeata	
" rotundata	
Cochlicopa lubrica	
Vertigo substriata	

Area No. 5. "Light House Pool" 11.4.07.

Limnaea peregra.	"Breeding"
Pisidium obtusale	B.B.W. (142)

Area No. 6 continued. Creggan Lough. 11.4.07

Limnaea peregra.	
Pis. casertanum	B.B.W. (142 A)
" obtusale	B.B.W. " Lough Mirrignagh.
Limnaea peregra.	
Pis. casertanum	} B.B.W. (142 B)
" milium	

NB. Helix itala sent me by R. L. Praeger from cliffs S.E. of Light House in May, 1909.

Clare Island continued.

Area No 1 continued

Shore from No 2 to Harbour. 12th Ap. 09.

Agriolimax agrestis	
Milax gagates	One specimen only.
Arion ater.	
" subfuscus.	
" intermedius.	
Vitrea alliaria	Var. viridula.
" radiatula	
" crystallina.	
Helix pygmaea.	
" pulchella	
" rotundata	
" itala	
" nemoralis	
Cochlicopa lubrica	
Carychium minimum	
Pupa cylindracea	
Vertigo edentula	
" pygmaea	
" substriata	
Clausilia bidentata.	

1/2 grain V. cellaria ad.

Also a specimen — dead & broken — resembling Vitrea scharffi of Kennard on bluff south of Grania Wall's Castle in grass with V. viridula & H. nemoralis.

Area No 2 continued.

The graveyard & abbey. 12.4.09.

Limax arborum.	
Arion ater.	
" subfuscus.	
Agriolimax agrestis.	
Vitrea cellaria	All the white form. Some very fair size dead.
" alliaria	Var. viridula
" radiatula?	
" crystallina.	
Helix aspersa.	
" hispida	Very common.
Pupa cylindracea	
Clausilia bidentata.	

Area No 1. continued

Ditch on left side of road on way from Harbour to Abbey (1/2 mile). 12.4.09

Limnaea peregra.	
" truncatula	
Planorbis spirorbis	
Pisidium pusillum	(143)

Sand dunes at Harbour 12.4.09

Helix caperata	Very rare (Praeger). Confined to one little dune.
" pulchella	
" hispida	
" itala	animals all very black.
" aspersa.	

Clare Island continued.

Area No I continued. Shore from Harbour to Kinnacorra.
12th Ap. 09.

Limax arborum.	
Agriolimax agrestis.	
Arion ater.	
" subfuscus.	
Vitrea alliaria	Type & var. viridula
" radiatula	
" crystallina	
Zon. excavatus	
Euconulus fulvus?	✓
Helix aspersa.	
" nemoralis.	A colony under stones in a brambly thicket south (1/4 mile) of Kinnacorra. Mostly much weathered but one lovely var. rubella 00000.
" rotundata	
Cochlicopa lubrica	
Carychium minimum	
Vertigo pygmaea	
Pupa cylindracea	
" anglica.	

Area No 3. continued.
Coast near Mann. 12.4.09.

Limax arborum	
Agrio. agrestis.	
Arion ater.	
Pupa cylindracea	
Clausilia bidentata	

At Curraun on the Curraun Peninsula
14th Ap. 09.

Agriolimax agrestis	Common.
Limax arborum	By roadside from Achill Sound.
Milax gagates	Only a few seen.
Arion ater	
" subfuscus	
" hortensis	all apparently common.
" fasciatus	
" intermedius	
Vitrina pellucida	A few dead.
Vitrea cellaria-hibernica.	A large quantity of magnificent specimens under stones & walls along sea between the village of Curraun & sand dunes at the entrance to Achill Sound.
" alliaria	All var. viridula.
" radiatula.	Common.
" crystallina	A few.
Zon. excavatus	Type only. A few.
Euconulus fulvus.	Not rare.
Helix ~~pulchella~~	~~Zon~~ excentrica ✓ G.W.S. 1924.
" aspersa.	Very abundant along sand-dune walls.
" nemoralis	Great varieties. Some beauties.
" caperata	Common.
" itala	Small & common.
" rotundata	Common.
Cochlicopa lubrica	Common.

Burrawn continued.

Carychium minimum	Common.
Pupa cylindracea	Common.
Vertigo pygmaea	A few of each in marsh.
" antivertigo	
Planorbis spirorbis	Only in one spot.
Limnaea peregra	" " " "
Pisidium pusillum	" " " "
+ var grandis.	Near Achill Sound + also with last 4 species.

Verified by J.W. Taylor.

(144) & (144A)

Murrish Abbey. Mayo West. 15th Ap. 09.

agrio. agrestis	
Arion ater	
" subfuscus.	
" fasciatus.	
Vitrea nitidula	
" radiatula?	
Helix rotundata	All in graveyard
" hispida	+ Carychium minimum
" rufescens.	Cochlicopa Lubrica.
" aspersa	
+	
Milax gagates.	
Pupa cylindracea	
Clausilia bidentata	

By roadside from Westport to edge of Limestone area, on way to Louisburgh.
Mayo West. 15th April, 09.

agriolimax agrestis	
Milax gagates.	Rare.
Arion ater	
" subfuscus	
" hortensis	
" fasciatus	
Vitrina pellucida	Dead only.
Vitrea nitidula	Rare.
Helix rufescens	
" rotundata	
" hispida	Rare.
" rufescens	Some nice white shells.
" itala	
Pupa cylindracea	
Carychium minimum	
Cochlicopa Lubrica	
Clausilia bidentata	
Balea perversa	Rare.
Vertigo pygmaea	
" antivertigo	Only one

Roonah Lough & drain & sand dunes along shore 8 miles south of Louisburgh. Mayo West. 15th Ap. 1909.

agriolimax agrestis	
" laevis	
Arion ater	
" intermedius	only one.
Milax gagates	
Jon. nitidus	Rare.
Helix itala.	Very small. The only shell seen on the sand dunes
Cochlicopa lubrica	
Vertigo antivertigo	
Succinea pfeifferi	
Aplecta hyphnorum.	
Limnaea peregra	
" stagnalis	
" palustris	
" truncatula	
Planorbis crista	
" contortus	
" spirorbis	
" albus }	Both living together.
" glabra }	
Bythinia tentaculata	Very fine.
Valvata piscinalis	Form like V. alpestris.
" cristata	
Pisidium pusillum }	Identified by J. W. Taylor (?)
" nitidum }	
"	

L. auricularia

(145)

Roadside near Louisburgh
Mayo West. 15 Ap. 09.

Limnaea peregra	
" truncatula	
Planorbis spirorbis	
Pisidium pusillum	
"	

(146)

Westport. roadside collecting towards Ballin Lough on way to Newport.
Mayo West. 16th Ap. 09.

agriolimax agrestis	
Arion ater	
" subfuscus	
" hortensis	
" fasciatus	
Vitrea cellaria	
" crystallina	
Helix rotundata	
" rupestris	
" nemoralis	
" aspersa	
" rufescens	
" itala	
Cochlicopa lubrica	

Pupa cylindracea

→ Clausilia bidentata
Very broad specimen
(somewhat) like C. rolphi in appear.
Pupa cylindracea
Vertigo pygmaea.

NB. Found nothing in Ballin Lough but it was flooded.

along banks of river below Station + on side of Railway Yard at Westport.
Mayo Nat, Evening 16.4.07.

agrio. agrestis	
" laevis.	
arion ater	
" subfuscus.	
" intermedius	
" fasciatus	
Vitrea cellaria	Rather like V. Scharffi, Kennard,
" alliaria Var.	
" radiatula	
" crystallina	
Zonitoides nitidus	
Euconulus fulvus.	
Helix rotundata	
" rupestris.	
" rufescens.	
" hispida.	Rare.
" itala.	
" nemoralis.	
" aspersa.	
Pupa anglica	Fairly common on railway embankment.
" cylindracea	
Cochlicopa lubrica	
Carychium minimum	
Clausilia bidentata	

Westport Station continued.

Sphyradium edentulum	Very fine specimen - ditch running down to river
Vertigo pygmaea.	
" antivertigo	
Succinea putris	
Physa fontinalis	
Limnaea peregra	
" palustris	
" truncatula	
Planorbis albus	
" spirorbis	
Valvata piscinalis	
" cristata	
Bythinia tentaculata	
Anodonta cygnea.	A small form in river above railway crossing.
Sphaerium corneum.	
Pisidium pusillum	
" milium	
" pulchellum?	Verified by J. W. Taylor.

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(J 47)

Upper Holgwood, Co Down.
AWS & F.O.B.B. 24/4/09

Arion ater	
" subfuscus	
" hortensis	
" fasciatus	
" intermedius	
Agrio. agrestis	
Limax arborum	
Vitrea radiatula	
Helix rotundata	
" rufescens	Very common half way up the Fig hill in Church St.
" nemoralis	
Cochlicopa lubrica	
Clausilia bidentata	

Old Mill ~~between~~ near Farm Hill, ~~between~~ Comber & Ballygowan. Co Down. AWS & F.O.B.B. 9.5.09.

Agrio. agrestis	
" laevis.	
Arion ater	
" subfuscus	
" intermedius.	
Vitrina pellucida.	Dead only.
Vitrea cellaria	Probably V. hibernica, Kennard.
"	
" alliaria	
" crystallina	
Helix hispida	
" aspersa	
Cochlicopa lubrica	
Pupa cylindracea	
Clausilia bidentata	
Limnaea peregra	
" palustris	
Planorbis "leucostoma"	
" contortus	
Physa fontinalis	
Ancylus fluviatilis	Very fine in the "tail race" of the old mill.
Valvata piscinalis	Very common.
Pisidium pusillum	
" fontinale?	

(148)

Ballyrush Moss near Ballygowan.
Co. Down AWS & FBB. 9.5.09

Limnaea pereger.	Type & Var Boissyi.
" palustris.	
Pisidium ~~pusillum~~ ✓	
" milium ✓	(149)

Gill's Quarry at Ballygowan Co. Down.
9.5.09.

Limnaea pereger.	

Ballyallolg Lough, near Comber, Co. Down
9.5.09.

Limnaea pereger	
" palustris	
Physa fontinalis	
Planorbis cristata.	
" fontanus.	
" contortus	
Valvata cristata	
Bythinia tentaculata	
Acroloxus lacustris	
Pisidium milium ? ✓	Verified by J. W. Taylor. (150)
" pulchellum ? ✓	
" nitidum ✓	

Magherascouse Lough at Ballygowan, Co. Down
AWS & FBB. 9.5.09

Limnaea pereger.	
" palustris	
Physa fontinalis	
Planorbis albus	
" 'leucostoma'	
" contortus	
Acroloxus lacustris	
Valvata cristata	
" piscinalis	
Sphaerium corneum	
Pisidium pusillum ✓	Verified by J. W. Taylor. (151)
" milium ✓	
" pulchellum ✓	

Ditch 2 miles north-west of Drogheda. Co. Louth
AWS. 14.5.09.

Arion ater	
Helix rotundata	
" hispida	Very small & like S.E. English examples.
" nemoralis	Dead
" aspersa	Dead.
Succinea sp?	Young specimen only – like S. putris.
Pupa cylindracea	
Limnaea palustris	
" pusillum.	

In ruins of cottage where road to Millifont leaves main road from Drogheda to Collon. Co Louth.
AWS. 14.5.09.

Agrio. apertis
Leios maximus
" flavus.
Arion ater
" subfuscus — Very fine.
Vitrea Scharffi. ? + Cochlicopa lubrica
Helix hispida. Also fine.
Pupa cylindracea
Balea perversa — Rare.

In marsh to right of road.

Succinea pfeifferi
Limnaea palustris
Planorbis contortus.
Pisidium pusillum. (152) missing

=

Round old cottages near Millbrook Cottage 1 mile east of Collon, Co Louth. AWS. 14.4.09.

Limax arborum.
" maximus.
Agrio. apertis.
Arion ater
" subfuscus
" fasciatus. — a tiresome form. ← fasciatus (sic)! MR. 1972

Near Collon continued

Milax gagates.
Vitrina pellucida.
" pyrenaica. — Over a dozen dead specimen – some very fine – at the root of grass in company with V. pura, Helix rotundata, H. hispida & Cochlicopa. Site in 1½ east of Grierson's original habitat in Temple demesne.
2nd British record. See I.N.
Vitrea scharffi. ?
" nitidula.
" pura. — Very common (type) but all dead.
Helix rotundata.
" hispida.
" nemoralis.
" aspersa.
Cochlicopa lubrica
Pupa cylindracea
Vertigo pygmea. — One specimen only.

Co Meath.
AWS. 14.5.09

Roadside from Collon to Slane.

Arion ater	Very large + black in wood at Collon bridge.
" hortensis	With above.
Agrio. agrestis	
Vitrea [illegible]	
" crystallina	
" pura.	With A. ater.
Helix rotundata	
Cochlicopa lubrica	
Pupa anglica.	In moss in ditch 2 miles from Slane.
" cylindracea.	
Helix nemoralis	
" aspersa.	

In quarry hole above Slane.

Limnea pereger	
" palustris	
Valvata piscinalis	Extraordinary specimens. Very large + high spired. Almost like V. antiqua, Sowerby. from Thames deposits.
Pisidium pusillum	
" [illegible]	
" [illegible]	

(153)

Bogne Canal opposite Slane
Co Meath AWS. 14.5.09.

Agrio. agrestis.	
Arion ater.	
" fasciatus.	
" subfuscus.	
Vitrina pellucida	
Vitrea cellaria.	Probably V. scharffi. A.S.K. No. [illegible]
" alliaria.	One specimen.
"	
"	
Helix rotundata	
" rupestris	
" hispida.	
" rufescens.	
" nemoralis	
" aspersa.	
Cochlicopa lubrica.	
Succinea putris	
" pfeifferi.	
Pupa cylindracea	
" muscorum.	
Balea perversa	
Clausilia bidentata	
Limnaea pereger	
" palustris	
Physa fontinalis	

Planorbis albus?
" carinatus. Very typical
Valvata cristata
" piscinalis.
Bythinia tentaculata.
Sphaerium corneum.
Pisidium amnicum
"
"

(154)

Marsh + c below Viaduct at Drogheda.
Co. Meath. A.W.S. 14.5.09.

Arion ater	
Vitrea lucida.	Dead only. I have now no doubt that the specimen taken here by myself + C.L. Wright in Sept. 06. see p. 70. are true Vitrea lucida.
Helix virgata	Dead.
" acuta	Dead.
" aspersa.	
" rotundata	
Pupa cylindracea	
" muscorum.	
Limnaea peregra.	High spire.
" truncatula	
Succinea pfeifferi	
Paludestrina jenkinsi	
" stagnalis.	

NB. The Helix hispida of the Boyne Valley, remind me very much of those I saw in the S.E. of England.

Drogheda. B.N.F.C. Excursion.
River Boyne + at Obelisk.
Co Louth. A.W.S. 22.5.09.

Agrio. agrestis	
Arion ater	
" subfuscus.	
Vitrea subrufa	
" nitidula	Var. Helvia.
Helix rotundata	
" virgata	
" caperata	All dead.
" hispida.	
" rufescens.	
" aspersa.	
" nemoralis.	
Cochlicopa lubrica	
Pupa cylindracea	
Clausilia bidentata	
Succinea putris	
Planorbis carinatus	
" contortus	
Limnaea peregra	
" palustris	One curiously thickened shell or stone in mesh.
Bythinia tentaculata	
Valvata piscinalis.	

Bogue opposite Obelisk. Co Meath.
R. AWS. 22.5.09.

Agrio. agrestis
Vitrea Schaeffi
Helix rotundata
" rufescens
" hortensis. One typical specimen taken by Mr Knabenshue Junr.
Succinea putris.
Clausilia bidentata.
Pupa cylindracea.

Newgrange Tumulus &c. Co Meath.
RW, J.N.M. & AWS. 22.5.09.

Limax arborum.
Agrio. agrestis.
Arion ater
" subfuscus
" intermedius. J. N. Milne.
Vitrina pellucida.
Vitrea nitidula
" Schaeffi.
Helix rotundata
" hispida
" rufescens
" nemoralis
" aspersa.
Pupa cylindracea
Clausilia bidentata

F. Balfour Browne took Planorbis umbilicatus in Canal opposite Newgrange. 22.5.09.

Bank of Mattock River opposite Mellifont.
Co Meath. AWS & J.N.M. 22.5.09.

Arion ater
Helix aspersa
" rupestris
Cochlicopa lubrica.
Pupa cylindracea
Clausilia bidentata.

Mattock River.

Ancylus fluviatilis.

Mellifont Abbey &c. Co. Louth.
RW, J.N.M & AWS. 22.5.09.

Agriolimax agrestis
" laevis.
Arion ater
" subfuscus
" intermedius
Vitrina pellucida
" pyrenaica. One dead shell found by R. Welch on wall of church yard just above Mattock River.
Vitrea Schaeffi.
" nitidula
Encontilus fulvus
Helix rotundata
" rupestris
" hispida.

Mellifont. Co Louth. Continued.

Helix rufescens
" nemoralis
" aspersa.
Cochlicopa lubrica
Pupa cylindracea
Clausilia bidentata

Monasterboice abbey &c. Co. Louth.
R.W., J.W.M. & AWS. 22.5.09.

Arion ater
" subfuscus
" hortensis
Agrio. agrestis.
Limax arborum.
Vitrina pellucida
" pyrenaica. Two alive (R.W) & about a dozen dead at roots of grass among moss.
Vitrea schaeffi.
"
Helix rotundata
" hispida
" nemoralis
" aspersa.
Cochlicopa lubrica
Pupa cylindracea
Clausilia bidentata.

Bushfoot. Tramway bridge over Bush River.
AWS. RW + FB-B. 29.5.09.
Co. Antrim.

Arion ater
" hortensis
" fasciatus
Agrio. agrestis
Vitrea alliaria. Dead.
" pura.
Euconulus fulvus
Helix hispida
" nemoralis
Succinea pfeifferi
(Planorbis carinatus. 1898).
(Valvata piscinalis 1898).
Bythinia tentaculata
(Limnaea peregra 1898).
Pisidium pusillum
" obtusale
" fontinale

(155)

Along Tramway On Sand Dunes towards Giant's Causeway.

Helix itala
" caperata all dead.
" hispida
" nemoralis
" aspersa.
Cochlicopa lubrica
Clausilia bidentata.

Bushfoot. Swamp in Sand Hills.
Co Antrim. 29.5.09

Arion ater.	
Agrio. agrestis	
" laevis.	
Vitrea radiatula	& crystallina. (Var contracta?)
Euconulus fulvus.	
Helix rotundata	
" hispida	
" pygmaea	
Pupa anglica.	Common.
" cylindracea.	Rarer.
Sphyradium edentulum.	The dead broken shell.
Vertigo substriata	Quite common.
Cochlicopa lubrica.	
Succinea pfeifferi	
Carychium minimum	
Limnaea peregra.	
Acicula lineata.	
Pisidium pusillum	

(156) missing.

Dundarave Wood, Bushmills.
Co. Antrim. AWS. 29.5.09.

Limax maximus.	Spotted. Very fine.
Arion ater	
" subfuscus	
" fasciatus	
Agrio. agrestis.	
Vitrina pellucida.	a few very fine dead specimens.
Vitrea hibernica?	a large colony of exceedingly large shells. Quite as large as ordinary V. lucida.
" nitidula	
Helix rotundata	
" hispida.	Very fine specimens.
Pupa anglica.	The specimens.
Clausilia bidentata.	

Dunluce Church &c. AWS. 29.5.09
Co Antrim.

Arion ater	
" subfuscus.	
Agrio. agrestis	
Vitrea ?	The young probably V. hibernica.
" alliaria.	
Helix rotundata.	
" hispida.	
" aspersa.	
" nemoralis	
Pupa cylindracea	
Cochlicopa lubrica.	& Clausilia bidentata. (See I.N. 1901).

In flax dam 200 yds. above Church.
Planorbis contortus.
AWS.

Killough Marsh, Co Down.
AWS. RW & F.P.B. 13.6.09.

Agrio. agrestis	
" laevis.	
Arion ater.	
" subfuscus	
Vitrea nitidula.	Dead.
Euconulus fulvus	
Helix rotundata	
" hispida	
" nemoralis	
Cochlicopa labrica	
Carychium minimum	
Pupa cylindracea	
Succinea pfeifferi	Very fine & large.
Vertigo pygmaea	
Physa fontinalis	
Aplecta hypnorum	
Limnaea peregr.	
" palustris	
" truncatula	
Planorbis spirorbis	Very fine
" contortus	
" carinatus	
" crista	
Valvata cristata	
" piscinalis	

Bythinia tentaculata	
Sphaerium ~~cornu~~ lacustre	Common. a nice small form
Pisidium pusillum	
" fontinale	
" pulchellum.	
Paludestrina ventrosa.	Common in brackish lake. Slender form. 1st record for Co. Down.
" stagnalis	With P. ventrosa

(157)

"Strand Lough"

"The white bog" & on towards St. John's Pt,
Killough, Co Down. 13.6.09.

Arion ater	
" subfuscus.	
Agrio. agrestis	
Vitrina pellucida	Dead.
Vitrea schaiffi	
" alliaria.	Dead. Var. viridula
" nitidula.	Dead.
" crystallina.	
Helix nemoralis	
" aspersa.	
" hispida.	
" rotundata.	
Pupa cylindracea	
Clausilia bidentata	
Succinea pfeifferi	

"The white bog" Killough continued.

Limnaea peregra.	
" truncatula	
" palustris.	
Planorbis carinatus	a small form not sharply keiled.
" contortus.	
" spirorbis.	
Pisidium nitidum.	(158) Missing. Probably correct. See Vol. p.

Acton Wood near Poyntzpass, Co. armagh.
ans. 20.6.09.

Arion ater	
" fortensis	
Vitrina pellucida.	Dead.
Vitrea nitidula	
" alliaria	Type common shine.
" pura.	Very shine. Full grown dead shells common.
" radiatula	Rare.
" crystallina	
Euconulus fulvus.	Vitrea alliaria? One dead spec.
Helix rotundata	
" rotundata	
" aspersa.	
Cochlicopa lubrica	
Zonitoides nitidus	
Punctum pygmaeum	
" cylindraceum.	& Glandina fidentata.

Small lake near Scarva in Co. Armagh.
ans. 20.6.09.

Limnaea peregra	
" palustris	
Succinea Pfeiffera	
Physa fontinalis	
Planorbis carinatus	Very abundant.
Valvata cristata	
" piscinalis	
Bythinia tentaculata	
Sphaerium corneum	
Pisidium nitidum	(159)
"	

Canal banks fm Poyntzpass to Dyan's Bridge near Portadown in Co Armagh.
ans. 20.6.09.

Agrio. agrestis	
Limax arborum	Dyan's Bridge
" maximus	" "
Arion ater	
" subfuscus	
" fasciatus	Dyan's Bridge.
Vitrina pellucida.	Dead.
Vitrea subrustica?	Dyan's Bridge
" crystallina	
" nitidula	
Helix rotundata.	

Canal near Portadown continued

Helix hispida	
" nemoralis	Several white lipped. One near Scarva very like H. hortensis.
" aspersa	
Cochlicopa lubrica	
Clausilia bidentata	
Pupa cylindracea	
Succinea putris	One near Dyne's Bridge. Very pale amber colour.
" pfeifferi	Dyne's Bridge
Physa fontinalis	
Limnaea peregra	
" stagnalis	
" palustris	
Planorbis contortus	
" carinatus	
Bythinia tentaculata	
Valvata cristata	
Sphaerium corneum	
Pisidium amnicum	One dead valve in brook at Scarva Junction.
" milium	
" fontinale	
" pusillum	

(160)

X. MK

Limavady Junction. Co Derry.

AWS. & FBB. 26.6.09.

Limax maximus	
Agrio. agrestis	
Arion ater	
" subfuscus	
Vitrina pellucida	Dead.
Vitrea nitidula	Dead.
Helix hispida	
" itala	Young near station
" aspersa	
Cochlicopa lubrica	
Planorbis spirorbis	
Succinea pfeifferi	
Limnaea peregra	
" truncatula	
Paludestrina jenkinsi	Swarming everywhere
" stagnalis	A very small form like P. ventrosa.
Phytia myosotis	Also its var. P. denticulata along sea dyke.
Aplecta hypnorum	

NB. J. N. Milne tells me that Aplecta hypnorum, Planorbis crista & Pl. spirorbis used to be extremely common in these marshes before the appearance of Pal. jenkinsi. Pl. crista has now entirely disappeared & the other two sp. are very rare.

AWS. 26.6.09.

Walworth Woods, Co. Derry.

AWS. 26-6-09.

Species marked J. N. M. have been taken here by Mr J. N. Milne & verified by Dr Schaeff.

Limax arborum.	
" maximus.	
" c. nigra.	J. N. M.
Agrio. agrestis.	
Arion ater	
" subfuscus	
" intermedius	
" fasciatus	
Vitrea nitidula	
" alliaria.	All var. viridula.
" radiatula	Var. viridula.
" pura.	Dead.
" crystallina	
Euconulus fulvus	
Zonitoides excavatus	One spec. Var. viridula. J. N. M. also
Helix rotundata	
" nemoralis	
" lamellata	Very common in parts of Wood. J. N. M. also.
" aculeata	J. N. M.
" fusca.	J. N. M.
Cochlicopa lubrica	

Pupa anglica	
" cylindracea	
Vertigo edentula	
" pygmaea	J. N. Milne.
Clausilia bidentata	
Carychium minimum	

also Pisidium pusillum. J. N. M.

Valley of the Roe at Roe Park, Limavady Co. Derry.

Collected by J. N. Milne on B.N.F.C. Excursion 26-6-09.

Limax arborum	
" flavus.	
" maximus	
Agrio. agrestis	
Arion ater	
" subfuscus.	
" hortensis	
" fasciatus	
Vitrina pellucida	Dead.
Vitrea nitidula	
" pura	
" crystallina	
Zonitoides excavatus	
Helix rotundata	
" hispida	
" nemoralis	

Valley of the Roe continued.

Helix aspersa.	
" aculeata	
Cochlicopa lubrica	
Pupa cylindracea	
Limnaea peregra.	
Pisidium pusillum.	J. H. M. collection.

B.N.F.C. Annual Excursion. 1909.

Enniskillen, Co Fermanagh. 9th July.

Arion ater	
Agrio. agrestis	
Vitrea cellaria.	Like V. hibernica, Kennard.
" crystallina	
Helix rotundata	
" hispida	
" pygmaea.	Lough Joan.
" rufescens	
" aculeata	In moss on shore of Lough Joan.
" nemoralis	
Cochlicopa lubrica	"
Pupa cylindracea	
" anglica.	
Clausilia bidentata	
Limnaea peregra.	
" palustris.	
" stagnalis.	

Physa fontinalis	
Planorbis albus	
" carinatus	
" vortex	
" contortus	
Bythinia tentaculata	
Valvata piscinalis	
Sphaerium corneum	
Pisidium pusillum	Lough Joan. (161)

NB. All on bank of River Erne at S.L. & N.C. Ry except those marked Lough Joan.

Lough Galliagh West of Enniskillen, Co. Fermanagh. 10th July. 09.

Helix hispida	
" rotundata	
" nemoralis	
Pupa cylindracea	
Limnaea peregra	
" stagnalis	
Physa fontinalis	
Planorbis contortus	
" carinatus	
Valvata cristata	
" piscinalis	
Bythinia tentaculata	

Sphaerium corneum.
Pisidium pusillum
" milium (162)
" ~~fontinalis?~~

Glencunny Bridge near Enniskillen.
Co Fermanagh. 10th July, '09.
AWS.

Arion subfuscus.
" ater.
Vitrea cellaria. Like V. Libernica.
Helix rotundata
" rupestris
" nemoralis.
" hispida.
" rufescens.
Cochlicopa lubrica
Pupa cylindraea
Balea perversa
Clausilia bidentata
Acroloxus lacustris Dead in river.
Bythinia tentaculata
Sphaerium corneum.

Agrio. agrestis.

Shore of Lough Macnean, (Lower), Co Fermanagh,
AWS. 10th July, '09.

Agrio. agrestis.
Vitrea cellaria. Like V. Libernica
Euconulus fulvus
Zonitoides nitidus
Helix rupestris
" rufescens
" nemoralis
Cochlicopa lubrica

Clausilia bidentata
Pupa cylindraea
Vertigo antivertigo
Succinea pfeifferi
Limnaea palustris
" stagnalis. Limnaea peregra.
Bythinia tentaculata
Sphaerium corneum

Black lion, Co. Cavan.
AWS. 10th July, '09

Agrio. agrestis
Limnaea peregra
Planorbis contortus
Succinea pfeifferi In drain along river
Valvata cristata
Sphaerium corneum

Vitrea alliaria
Helix rotundata
" rufescens
" nemoralis By cottage 1 mile west of Village.
"
Pupa cylindraea
Clausilia bidentata

Cuilcagh Mountains, Co. Cavan.
500 to 600 ft. alt. aws. 10th July. 09

Arion ater
" intermedius
" fasciatus
Agrio. agrestis.
Vitrea alliaria. Like V. subrenata.
" alliaria? One spec. dead.
" radiatula
" pura.
" nitidula.
" crystallina

Helix rotundata
" rupestris
" hispida Small high spired form.
" nemoralis
Pupa anglica
" cylindracea
Ophyodia edentula
Vertigo pygmaea
" ~~edentula~~ substriata
" antivertigo ✓?
Cochlicopa lubrica.
Succinea pfeifferi
Limnaea palustris Common in peat bog. close on 700 ft. alt.
Pisidium pusillum With L. palustris (163)

No clausilia seen at all

Glenade Mountain, 1400 ft. alt., Co. Leitrim.
aws. 11th July. 09.

Agrio. agrestis
Arion subfuscus. Nearly black.
Vitrea alliaria
Euconulus fulvus
Helix rupestris

" hispida
Pupa cylindracea

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

Glenade Mountain, 1000 ft. alt. Co. Leitrim
aws. 11th July.

Agrio. agrestis
Arion ater
" subfuscus
Vitrea nitidula
" alliaria
" pura
" ~~nitidula~~
" crystallina
Euconulus fulvus
Helix hispida
" nemoralis
" rupestris
"
Cochlicopa lubrica

all living on the great cliffs which overlook the Glenade Valley.

Carychium minimum.
Pupa cylindracea.
Ophyodia edentula.

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