islands. Many white examples occurred. All the examples are the small northern form.

P. nitidula (Drap.).—Not uncommon on Flotta and South Ronaldshay. The examples are small, the largest being 8 mm. in diameter.

Arion ater (Linn.).—Very common in Orkney and Shetland. In the former group it varied considerably, but in Shetland most examples are typical. Abundant round Cromarty Firth.

A. intermedius, Norm.—Abundant in Orkney, scarce in East Ross, and in Shetland only at the ruined kirk at Voe.

Pyramidula rotundata (Müll.).—At Invergordon only at the back of Kin Craig House. On South Ronaldshay it occurred under boulders near the seashore at Sandwick and at Hoxa Broch. On Mainland it was abundant on the wall of Holm kirkyard. In all the examples the costulations are less pronounced than those of the South of England.

Helicella caperata (Mont.).—This species occurred only on the road from Alness to Invergordon, where it was abundant. The examples are fairly large, 6×10 mm. Possibly an accidental introduction.

Arianta arbustorum (Linn.).—In Orkney it was found on Flotta, where it is apparently restricted to the north-east corner of the kirkyard, where it is abundant. In size the shells range from 15×19.5 mm. to 18×23 mm. They are fairly solid and all, save one example, were banded.

At Water Sound, South Ronaldshay, a fair number of examples were found in beds of nettles, and these were rather large, very thin shelled, and almost all were bandless and very light in colour (the var. *virescens*, Tayl.). A young scalariform example was also obtained thence.

In Shetland examples were obtained at Ellwick, at the head of Sollum Voe, in the ruins of the old kirk at Voe, and in the broch of Clickamin near Lerwick. The Shetland shells are fairly large in size and typical in colour. This species is probably widely but sparingly distributed in suitable localities.

Helix hortensis, Müll.—In East Ross this species occurred very abundantly on a wall bordering the road from Alness to Invergordon, and a few examples were also seen at Cromarty and Nigg.

On Flotta the species was only found in one spot on the sea-cliffs facing South Ronaldshay; the examples were thin shelled and weather beaten. On Mainland, Orkney, it was plentiful near Holm.

The examples from Orkney exhibit less variation both as to banding and coloration than those from East Ross.

EAST ROSS.

Band formulæ.

1 2 3 4 5 . .	25 examples.	1 (2 3 4 5) . .	8 examples.
1 2 3 (4 5) . .	25 „	(1 2) (3 4 5) . .	1 „
(1 2 3) (4 5) . .	8 „	(1 2) (3 4 5) . .	1 „
(1 2 3 4 5) . .	20 „	0 2 (3 4 5) . .	1 „
(1 2 3) 4 5 . .	2 „	0 0 3 (4 5) . .	1 „
(1 2) 3 (4 5) . .	7 „	1 2 0 4 5 . .	1 „
1 (2 3) (4 5) . .	3 „		

The colour forms noted were: *arenicola*, *lutea*, cf. *fagorum*, and a form palm fawn above and much darker beneath.

There was a total absence of the unbanded *lutea* form so common in the south.

FLOTTA

(1 2 3 4 5) . . .	3 examples.	1 2 3 (4 5) . . .	4 examples.
1 (2 3) 4 5 . . .	5 „	1 2 3 4 5 . . .	4 „
(1 2 3) (4 5) . . .	14 „	(1 2) 3 (4 5) . . .	4 „
1 (2 3) (4 5) . . .	6 „		

MAINLAND

1 2 3 4 5 . . .	12 „	(1 2 3 4 5) . . .	3 „
(1 2 3) (4 5) . . .	16 „	1 2 3 (4 5) . . .	1 „
(1 2) 3 (4 5) . . .	10 „	(1 2) 3 4 5 . . .	1 „

Cochlicopa lubrica (Müll.).—The white form of this species occurred at Stroma.

Pupilla muscorum (Linn.).—A single example taken at St. Mary's. Hitherto unrecorded from Orkney.

Lauria cylindracea (Da C.).—In Orkney this species is widely distributed, and was taken commonly on Mainland in various localities. On South Ronaldshay it was observed at Widewall Bay, Hoxa Broch, Sandwick Bay, and Water Sound.

On Flotta it occurred near Neb, on the sea-cliffs near Quoyness, and was common on the kirkyard wall. It was common on Burray and Stroma. In Shetland it was only taken on a pile of stones opposite Voe House at Voe. These examples were a dwarfed form with a long body-whorl, the peristome but little developed and the tooth absent. Some of the Orkney examples approach this form, but the East Ross specimens are normal.

Balea perversa (Linn.).—From Græmeshall Loch on Mainland a small stream flows into the sea and near the mouth a low bridge carries the road across it. To the east of this an old lichen-covered rough wall skirts a large tumulus, and on the wall examples of *Balea perversa* were obtained: at present it is the only known locality for the species in Orkney.

Limnæa pereger (Müll.).—Common in East Ross. Absent from Cava and Flotta, fairly large examples on Stroma and South Ronaldshay, and quite large ones at Loch Kirbister on Mainland. In the larger Shetland lochs specimens as a rule were small. In almost every trickle of water in Shetland small fragile specimens were found.

Limnæa truncatula (Müll.).—In Shetland and East Ross this species occurred sparingly and the examples were small.

In Orkney and on Stroma this species attained a large size, 11.5 mm.

Theodoxus fluviatilis (Linn.).—Occurs abundantly in Loch Harray, Mainland, Orkney. The examples are much eroded.

The occurrence of the species in Orkney is interesting, since it is unknown in Scotland. Is it possible that it is an accidental introduction?

Sowerby, G. B. 1919. "Description of *Ampullaria mermodi*, n. sp." *Proceedings of the Malacological Society of London* 13, 152–153.

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