

51. *Pisidium Dabneyi* De Guerne. Kindness Mr. Dabney.  
 52. *Pinna rudis* L.

Where no locality is mentioned in the list, Horta, Fayal Islands, Azores, is to be understood.

NOTES ON FAMILIAR MOLLUSKS.

BY W. M. BEAUCHAMP.

It is the custom to call *Melantho rufus* Hald., a variety of *M. decisus* Say, and there are some good reasons for this. It is more than a mere color variety, however, as those familiar with its habits know very well. The shell is usually grayer and more polished without, besides the rich purple within. It requires warmer water than *M. decisus*, and in New York is restricted to favorable localities, while the other has a very wide range. Those who have taken the animal from the shell, find that it has a greater muscular adhesion, not separating readily. The young mollusks have well marked features from the very first. Thus far in New York, I have found the shell only where canal boats have been.

Some have also thought *Valvata tricarinata* and *sincera* Say, varieties of one species. There is little to suggest this in the forms or habits of these little shells. The outer appearance is very different, they have not the same haunts, nor do they eat the same food. If they are ever found together, it is in death rather than in life, as far as my experience goes.

*Bythinia tentaculata* Linn, has become very abundant since I first reported it many years ago. In portions of the Erie Canal it has driven out *Goniobasis livescens* and *Virginica*, merely by eating up their food. It prefers canal waters to any other, as many species do.

In the Erie Canal I collected *Pleurocera subulare* Lea, but with this I found *P. intensum* and *pallidum*, of the same author, which seem only varieties of the former. Mr. Tryon agreed with me in this. The variations are by no means as great as in *Gon. Virginica* Gmel.; in fact there seems little difference beyond the color and markings.

I have had *Margaritana margaritifera* Linn from tributaries of the Mohawk river, but nowhere west of these in New York. It is

Beauchamp

likely to occur elsewhere, as the travellers. I once found a number had been thrown ashore by the themselves on edge and working one point out an invariable feat and *luteolus*? The distinctions do seem a good deal mixed. Has not been named?

Shells are not abundant in Colorado. The actions of *Helix Cooperi* never seen a snail. This snail near Manitou, but I found it now! In Cheyenne Cañon I collected unfortunately lost before identification favorable but something might be. For myself I confess that other the time. In the East, rocks are reminds me how greatly *Helix a* from the same shell in more fertile

A NOTE ON MR. PILLI.

BY T. D. A. COCKERELL  
 KINGSTON

It is very unfortunate that so necessary about *Limacella* or *Philor* a few remarks to remove what see (1) *Limacella* Brard. My slug I think I may safely assert that 1815, the *Limax* of modern authors a name. The Linnean *Limax* in and even an *Eolis*. The first name *Limax* is what we now call an *A-cella*, I believe was *Limax maxim* were to adopt a very strict rule follows:

*Limax* Linn. (= *Limacella* Brard)

TILUS.

Kindness Mr. Dabney.

in the list, Horta, Fayal Islands,

EAR MOLLUSKS.

LAUCHAMP.

*M. rufus* Hald., a variety of *M. od* reasons for this. It is more as those familiar with its habits ally grayer and more polished hin. It requires warmer water s restricted to favorable localities, age. Those who have taken the as a greater muscular adhesion, g mollusks have well marked . far in New York, I have found ve been.

*M. tricarinata* and *sincera* Say, little to suggest this in the forms outer appearance is very differ- nor do they eat the same food. s in death rather than in life, as

become very abundant since I In portions of the Erie Canal it and *Virginica*, merely by eating ers to any other, as many species

*Stenocera subulare* Lea, but with um, of the same author, which

Mr. Tryon agreed with me in ans as great as in *Gon. Virginica* rence beyond the color and mark-

*Stenocera* Linn from tributaries of st of these in New York. It is

likely to occur elsewhere, as the *Unionidae* are not the worst of travellers. I once found a number of *Anodonta Benedicti*, which had been thrown ashore by the waves on Onondaga lake, raising themselves on edge and working their way to the water. Can any one point out an invariable feature distinguishing *Unio radiatus* and *luteolus*? The distinctions do very well for some, but others seem a good deal mixed. Has not every collector some which he has not named?

Shells are not abundant in Colorado, and I took pleasure in showing the actions of *Helix Cooperi* W. G. B. to some there who had never seen a snail. This snail is abundant in Williams' Cañon, near Manitou, but I found it nowhere else, perhaps for want of time. In Cheyenne Cañon I collected some very small snails, which I unfortunately lost before identification. Conditions there are seldom favorable but something might be done by a zealous naturalist. For myself I confess that other things proved more attractive for the time. In the East, rocks are better collecting grounds, which reminds me how greatly *Helix albolabris*, on rocky islands, differs from the same shell in more fertile lands.

A NOTE ON MR. PILSERY'S "ARTICLE IV."

BY T. D. A. COCKERELL, INSTITUTE OF JAMAICA,  
KINGSTON, JAMAICA.

It is very unfortunate that so much discussion should seem necessary about *Limacella* or *Philomyces*, but I am obliged to add still a few remarks to remove what seems to be a slight misunderstanding. (1) *Limacella* Brard. My slug notes are not just now at hand, but I think I may safely assert that when *Limacella* was proposed in 1815, the *Limax* of modern authors was not specially provided with a name. The Linnean *Limax* included *Arion*, *Limax*, *Agriolimax* and even an *Eolis*. The first mentioned species in the Linnean *Limax* is what we now call an *Arion* (*A. ater*). Brard's first *Limacella*, I believe was *Limax maximus* of modern authors. Thus, if we were to adopt a very strict rule of priority, we might write as follows:

*Limax* Linn. (= *Arion* Fér.)  
*Limacella* Brard (= *Limax* Auctt.)