

**About the presence of
Euspira lemaîtrei (Kilburn, 1976)
(= *E. massieri* Petuch &
Berschauer, 2018)
along the West African coasts**

speaker: Frank Nolf

Euspira lemaîtrei (Kilburn, 1976)

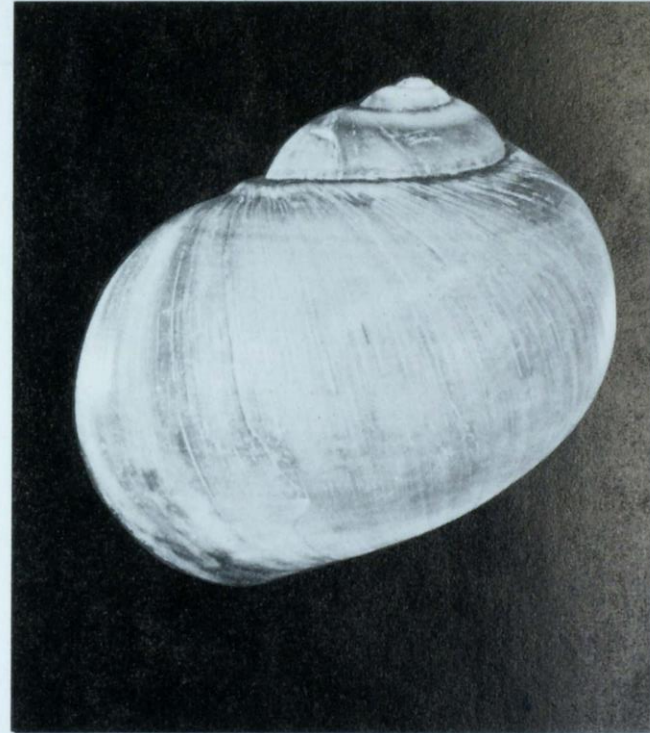


Fig. 18. *Polinices (Euspira) lemaîtrei* sp. nov., holotype, 36,2 × 34,9 mm.

Annals of the Natal Museum, vol. 22(3): 865-866

***Euspira lemaîtrei* (Kilburn, 1976):**

- originally described from the Columbine area, Namaqualand coast, Northern Cape, South Africa (360 m deep);
- nowadays known from Namibia, Angola Senegal and Mauritania at 275-400 m deep;
- ***Euspira massieri* Petuch & Berschauer, 2018**, described as a separate species from Walvis Bay (Namibia, SW Africa) is a junior synonym.
- often confused with ***Euspira fusca* (de Blainville, 1825)**.

Most important characteristics:

- a medium-sized shell: 23 mm - 47 mm;
- a relatively wide umbilicus, completely free of callus;
- an umbilicus that contains only a faint funicular ridge and two weak basal ridges;
- the reddish-brown colour with a paler subsutural zone and a cream-white base starting from mid parietal wall;
- a pure white parietal and columellar callus the latter edged with a chestnut rim.



***Euspira lemaîtrei* (Kilburn, 1976)**



**off Nouakchott, Mauritania, NW Africa -
trawled by fishermen in deep water - 1979 -
H. 24.48 mm L. 21.50 mm – coll. F. Swinnen**

***Euspira lemaîtrei* (Kilburn, 1976)**



**off Nouakchott, Mauritania, NW Africa -
trawled by fishermen in deep water - 1979 -
H. 29.11 mm L. 25.90 mm – coll. F. Swinnen**

***Euspira lemaîtrei* (Kilburn, 1976)**



**off Nouakchott, Mauritania, NW Africa -
trawled by fishermen in deep water - 1979 -
H. 28.50 mm L. 25.63 mm – coll. F. Swinnen**

***Euspira lemaiitrei* (Kilburn, 1976)**



**off Nouakchott, Mauritania, NW Africa -
trawled by fishermen in deep water - 1979 -
H. 28.89 mm L. 26.69 mm – coll. F. Swinnen**

***Euspira lemaîtrei* (Kilburn, 1976)**



**off Dakar, Senegal, W Africa -
trawled by fishermen at -200 m - 1981 -
H. 26.75 mm L. 25.36 mm – coll. F. Nolf**

***Euspira lemaîtrei* (Kilburn, 1976)**



**off Dakar, Senegal, W Africa -
trawled by fishermen at -200 m - 1981 -
H. 29.05 mm L. 27.58 mm – coll. F. Nolf**

***Euspira lemaitrei* (Kilburn, 1976)**



**off Soyo, northern Angola -
trawled by fishermen at 120-150 m – March 2004
H. 25.84 mm L. 23.90 mm – coll. J. Verstraeten**

***Euspira lemaîtrei* (Kilburn, 1976)**



**off Soyo, northern Angola -
trawled by fishermen at 120-150 m – March 2004
H. 25.90 mm L. 23.43 mm – coll. J. Verstraeten**

***Euspira lemaîtrei* (Kilburn, 1976)**



**South of Walvis Bay, Namibia, SW Africa -
off Lüderitz – 25° S/ 12° E –
trawled by fishermen at -400 m – April 2007 -
H. 23.22 mm L. 23.71 mm – coll. F. Nolf**

***Euspira lemaîtrei* (Kilburn, 1976)**



**South of Walvis Bay, Namibia, SW Africa -
off Lüderitz – 25° S/ 12° E –
trawled by fishermen at -400 m – April 2007 -
H. 26.21 mm L. 25.76 mm – coll. F. Nolf**

***Euspira lemaiirei* (Kilburn, 1976)**



**South of Walvis Bay, Namibia, SW Africa -
off Lüderitz – 25° S/ 12° E –
trawled by fishermen at -400 m – April 2007 -
H. 32.34 mm L. 32.80 mm – coll. F. Nolf**

***Euspira lemaîtrei* (Kilburn, 1976)**



**South of Walvis Bay, Namibia, SW Africa -
off Lüderitz – 25° S/ 12° E –
by fishermen at -400 m – April 2007
H. 34.49 mm L. 34.30 mm – coll. F. Nolf**

***Euspira lemaiirei* (Kilburn, 1976)**



**South of Walvis Bay, Namibia, SW Africa -
off Lüderitz – 25° S/ 12° E –
trawled by fishermen at -400 m – April 2007
H. 33.51 mm L. 35.19 mm – coll. F. Nolf**



**Hout Bay, off Constantia, South Africa -
trawled by fishermen**

H. 46.84 mm L. 44.57 mm – coll. F. Nolf

Euspira massieri Petuch & Berschauer, 2018)



Figure 1. *Euspira massieri* Petuch and Berschauer new species

The Festivus, 50(2): 89-95

***Euspira massieri* Petuch & Berschauer, 2018)**



The Festivus, 50(2): 89-95

Until now, *Euspira lemaîtrei* was only known from off the Columbine area (approximately 33° S/ 17° E), SW Africa.

The present study learns us that this species has a more widespread distribution from Mauritania and Senegal in the north towards Namibia and the Cape Province in the south.

Moreover, it is clear that *Euspira massieri* Petuch & Berschauer, 2018 is a junior synonym of *Euspira lemaîtrei* (Kilburn, 1976).

**Comparison with two other
Euspira species from the
E Atlantic waters:**

***E. fusca* (Blainville, 1825)**

and

***E. catena* (da Costa, 1778)**

***Euspra lemaitrei* is characterised by:**

- a narrow and more laterally compressed shell outline;
- a narrower umbilicus;
- a prominent anterior funicular ridge;
- the completely white base, in contrast with *Euspira fusca* (de Blainville, 1825), which shows a dark brown zone;
- the parietal shield along the columellar side of the aperture which is small and covers only one-third of the parietal area extending in a large white rectangular callus-like structure at the posterior end of the aperture (absent in *E. fusca*).

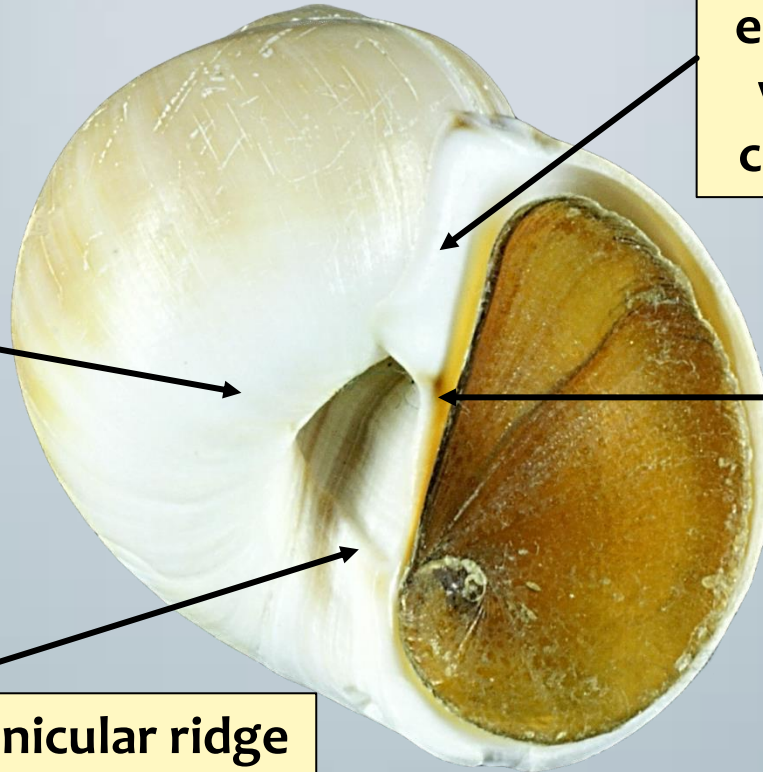
more laterally compressed shell outline

small parietal shield,
extending in a large
white rectangular
callus-like structure

white base starting
from mid parietal wall

chestnut rim

prominent anterior funicular ridge



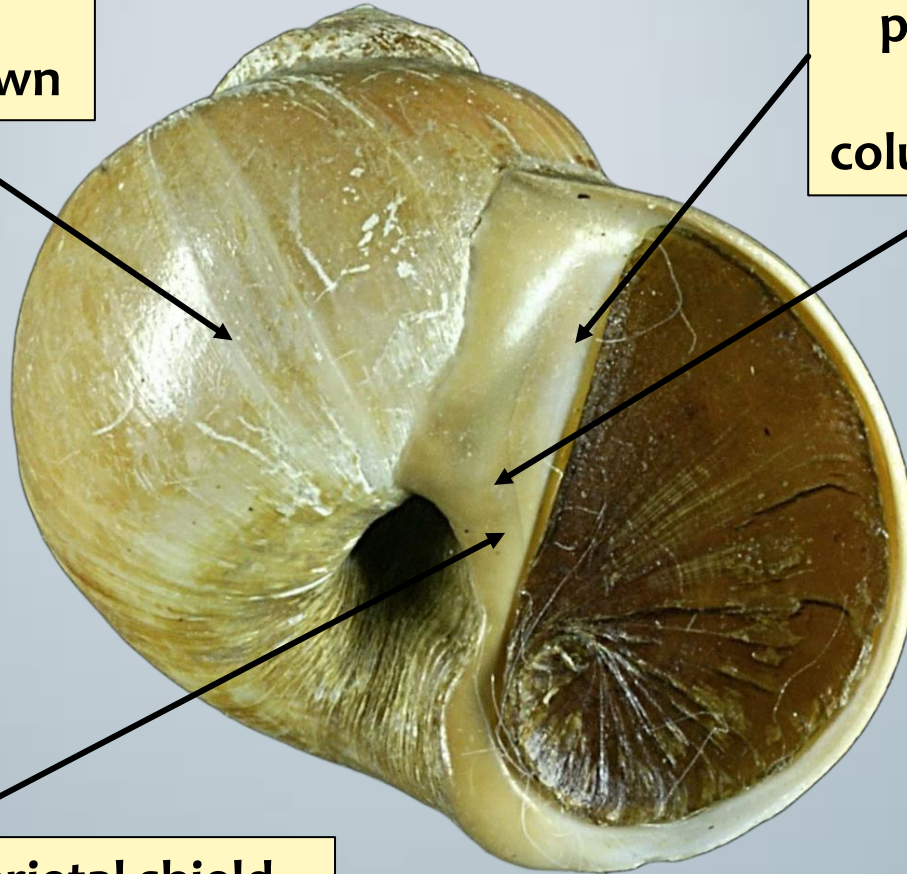
***Euspra fusca* differs by:**

- the better developed parietal shield, extending over two-third of the length of the aperture, partially closing off the umbilicus;
- the colour of the shell: the whorls are completely brown and both the parietal and columellar parts are stained dark brown;
- geographic range: large specimens in the Celtic Sea (SW England, UK), the Bay of Biscay and the Mediterranean Sea (30-40 mm, max. 50 mm), smaller specimens in West African waters (Senegal), especially very small in Angolan waters (ca 20 mm) at the end of the range.

**whorls are
completely brown**

**dark brown
parietal wall
and
columellar parts**

**well developed parietal shield
partially closing off the umbilicus**



***Euspira fusca* (Blainville, 1825)**



**off Mauritania, NW Africa - 17°17' N/ 16°28' W -
trawled by fishermen at -95 m – 1979 -
H. 19.39 mm L. 19.16 mm – coll. F. Nolf**

***Euspira fusca* (Blainville, 1825)**



**off Mauritania, NW Africa - 17°17' N/ 16°28' W -
trawled by fishermen at -95 m – 1979 -
H. 21.21 mm L. 21.18 mm – coll. F. Nolf**

***Euspira fusca* (Blainville, 1825)**



**Cape Morro, Angola –
trawled by Belgian fishermen (PEMARCO) at a
depth of 100 m – in mud - 1972
H. 19.88 mm L. 18.19 mm – coll. F. Nolf**

***Euspira fusca* (Blainville, 1825)**



**Cape Morro, Angola –
trawled by Belgian fishermen (PEMARCO) at a
depth of 100 m – in mud - 1972
H. 19.88 mm L. 18.19 mm – coll. F. Nolf**

Euspira fusca (Blainville, 1825)



**Rochebonne Bank, south of La Rochelle, Bay of Biscay,
W France - trawled by Belgian fishermen at a depth of 140 m –
June 2005
H. 38.77 mm L. 35.90 mm – coll. F. Nolf**

Euspira fusca (Blainville, 1825)



Rochebonne Bank, south of La Rochelle, Bay of Biscay,
W France - trawled by Belgian fishermen at a depth of 140 m –
June 2005
H. 37.74 mm L. 38.75 mm – coll. F. Nolf

***Euspira catena* (da Costa, 1778)**



**Isla Canela, Ayamonte, southern Spain, Atlantic Ocean -
buried in clean sand at low tide - March 2009**

H. 34.37 mm L. 31.87 mm - coll. F. Nolf