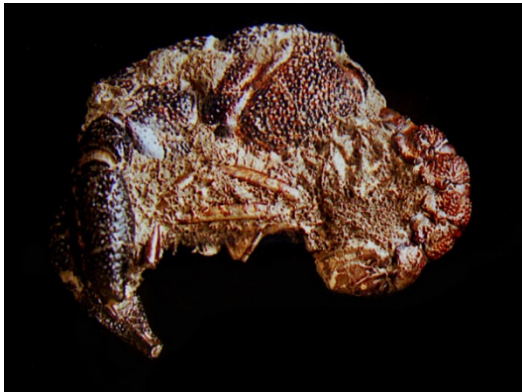


## Fossil types of the Renggeri Marl and of beaches of today

At a "fossil beach" no pyrite can occur because of oxygen in the air and no iron ions available. On the other hand how can pyrite come into a hollow spine?

In the following, rare to extreme rare findings, whether in the Renggeri marl or on beaches at Malaysia, Singapore and New Zealand are shown.

**Fossil**



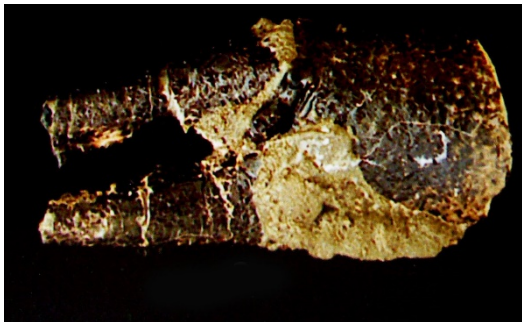
Book\_T35.1-1 CH\_LI scarburgense-Sz.

**Examples of to-day**



MAL\_Hi001 (Malaysia E coast / Kp.Hiburan)

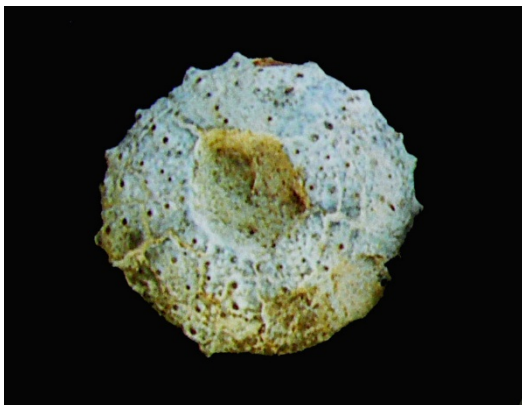
**As a complete specimen to-day as well as a fossil are exceptional findings.**



Book\_T36.1-3 CH\_LI scarburgense-Sz.  
Findings like this are a bit more frequent, but still rare.



SIN\_ChP7 009 (Singapore / Changi beach  
Changi point car park 7)

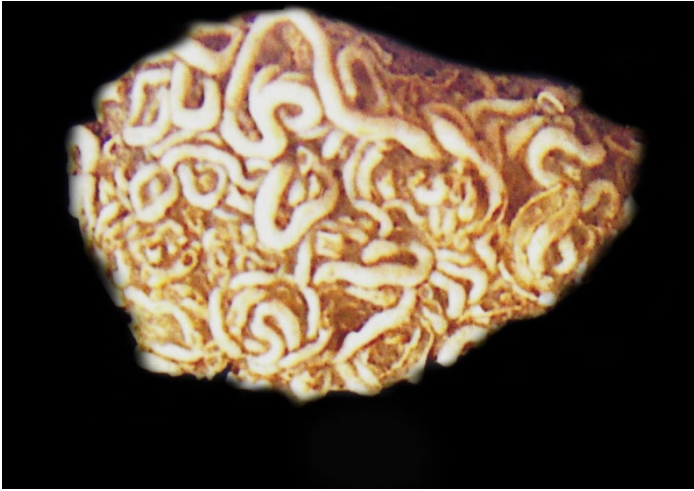


Book\_T37.1-2 F\_EtD praecordatum-Sz.  
Polydiadema superbum



SIN\_ChP7 001 (Singapore / Changi beach, car park 7)

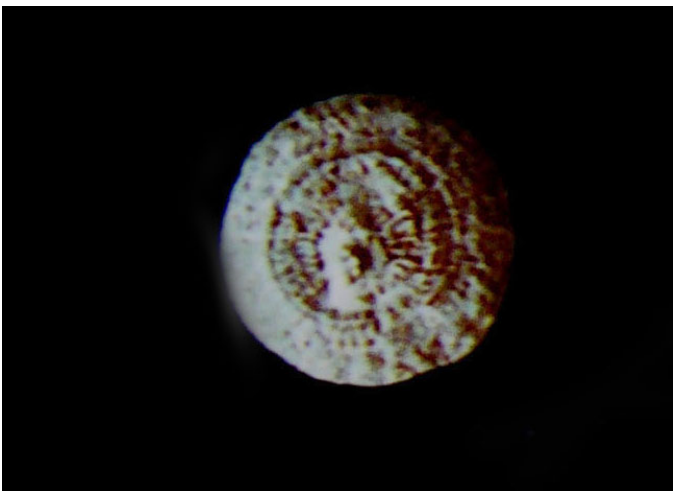
Sea urchins, though very fragile (specially against push) can be found from time to time as fossils or on beaches.



Book\_T34.1-2 F\_Epe Renggeri marl  
Golmerula gordialis



SIN\_Cp7 125 (Singapore / Changi beach, car park 7)



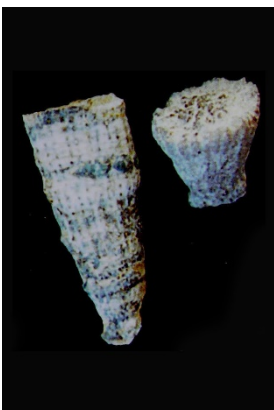
Book\_T31.2-6 D\_Ku lamberti-Sz.  
Trochocyathus magnevillianus (?)



SIN\_Cp7 109 (Singapore / Changi beach, car park 7)

### Beach findings – usefull informations for fossils ?

Solitary corals, living on the floor, are rare, whether as fossils or to-day. Remarks see next picture below.



Book\_T31.1-7 u. 8  
F\_EtD scarburgense  
-Sz. Eternoz/F



SIN\_CP7 BEACH  
SINGAPORE



MAL\_PP 023.1 MALAYSIA

As one assumes the Renggeri marl was a muddy substrate, the existence of a sessile coral for a long time was a mystery for me and my view for clams, living in the mud, was obviously blocked. Clams are filtering the water so the sea floor can not have been live threatening (lack of oxygen). Nevertheless fossils are most frequently preserved as