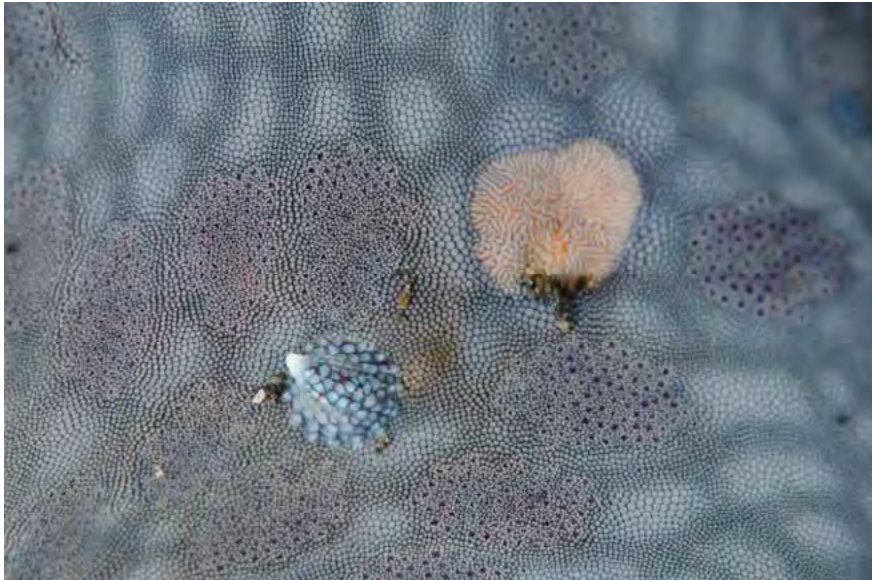


What's going on here?
Answers on page 78

A

© Colin Marshall / BluePlanetArchive



Lembeh, Sulawesi, Indonesia

image about 2 cm across

C

© Colin Marshall / Ardea



Lembeh, Sulawesi, Indonesia

image about 4 cm across

B

© Colin Marshall / Ardea



Lembeh, Sulawesi, Indonesia

image about 10 cm across

D

© Colin Marshall / Alamy



Raja Ampat, Indonesia

Image 5 cm across

Correction

In the last publication (MM18 in UWP 141), one of the images was misnamed as a Goldstripe Wrasse (*Halichoeres zeylonicus*). Bart Hazes kindly let me know that it is instead Hartzfeld's Wrasse (*Halichoeres hartzfeldii*). *H. zeylonicus* is the Indian Ocean sister species with *H. hartzfeldii* being found in the Coral Triangle and further east, although both can occur in the "melting pot" of Bali waters.



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If you're looking for a specific piece of kit, enter a keyword (e.g. flash, housing, Ikelite, etc.) to show only the adverts you want.

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FOR SALE – SET of Sea & Sea YS 250 PRO

SET of Sea & Sea YS 250 PRO, incl.diffusers and TCL ball mounts, 2x batteries, 2x chargers (EU and UK). 5-pin Dual Sync cord-1pc, 5-pin Sync Cord N-2pc, 2sets - Double Ball Arm L and M, YS-TTL Converter, spare ... [More >](#)



FOR SALE – Sea Frogs Panasonic GH5 housing, flat and dome port

Brand new and never taken underwater, 40 metre Sea Frogs (formerly Meikon) housing for the Panasonic GH5. Flat port for macro lenses and dome port for wide angle. No zoom or manual focus controls. Prefer sale in the UK and ... [More >](#)



FOR SALE – Aquatica Macro Port & 2 x Sea & Sea YS -120 Duo Strobes

Aquatica Macro Port (Manual & Autofocus) for any DSLR Aquatica housing with the 4 lugs bayonet fitting. £180. Sea & Sea YS -120 Duo Strobes with instructions & one Diffuser they are in good used condition and in full working ... [More >](#)



FOR SALE – Nauticam Na-d800 Housing for Nikon D800

Nauticam Na-d800 Housing for Nikon D800 Excellent condition. Full overall by Nauticam in December 2017, not in the water since. Vacuum check; electronic monitoring circuit installed, no vacuum system. 2000 euros + shipping ... [More >](#)



FOR SALE – Nauticam flat ports and lenses Sony 28mm and 90mm

Nauticam flat port for Sony 28mm + sony lens 28mm +Nauticam flat port for Sony 90mm + sony lens 90mm+Nauticam trigger flash for sony. SOLD Can be sold separately. Total price 1260€ (does not include insurance and shipping) ... [More >](#)



FOR SALE – SEA & SEA MM2 U/W CAMERA WITH ACCESSORIES

SEA & SEA MM2 U/W CAMERA WITH ACCESSORIES: - Yellow SUB 50 TTL strobe / arm extension - SEA & SEA 16mm Wide angle lens MM-2 - SEA & SEA Macro lens ML-2/3T plus attachments - Removable view finder - ... [More >](#)



FOR SALE – Nikon D500 + Hugaft D500 setup

This one year old set of equipment is in excellent working condition and will serve great to a new owner. The reason for sale is a switch to a new equipment. Nikon D500 (19k clicks). Sigma 10mm F2.8 Fish Eye. 128Gb XQD Lexar ... [More >](#)

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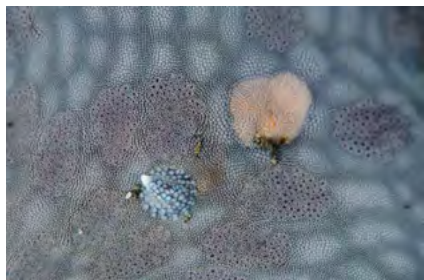
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Marshall's Mysteries 19 - Answers

A



This is the underside of the common Blue Starfish, *Linckia laevigata*. On the Sea Star is a Parasitic Snail, *Thyca cristallina*.

The orange disc is the Sea Star's madreporite or sieve plate, an intake valve for seawater to flow into the the Sea Star, creating water pressure to support the Sea Star – and its tube feet, allowing movement. All Sea Stars have at least one madreporite.

The darker clusters are respiratory papulae, or skin gills, which allow the Sea Star to absorb oxygen from seawater. If there is not enough oxygen around the papulae, the Sea Star will suffocate.

Image below shows the indentation caused by suction as the Parasitic Snail adheres to & feeds on the Starfish.



Lembah, Sulawesi, Indonesia

B



Anemone Hermit Crab, *Dardanus pedunculatus*, with Common Hermit Anemones, *Calliactis polypus*, on shell for camouflage and protection.

Studies show reduced predation of the Crabs when Anemones are attached to their shell. However, the Crabs will eat their protective Anemones if starved.

The image below shows more clearly the Anemones producing the salmon pink sticky protective threads called Acontia through special pores called Cincloides (seen as the white dots or holes around the Anemone's base). Acontia contain specialized stinging cells called Cnidocytes, which deliver a neurotoxin for defense & capturing prey.



Lembah, Sulawesi, Indonesia

C



Egg-eating Nudibranch (*Favorinus* sp) in egg sac of a polychaete worm.

Image below shows a Ringed *Favorinus* Nudibranch (*Favorinus tsuruganus*) feeding on the more structured egg mass of another nudibranch.



Tulamben, Bali, Indonesia

D



I saw this Marble Shrimp (*Squilla marmoratus*) on a night dive, out in the open, and was surprised as it didn't move away from the light as quickly as they usually do. I then also saw there were two shrimp, which is unusual and initially thought they were mating. I then realized it was actually a single shrimp, in the process of moulting. The one on the left is the old moult or exoskeleton.

Directly below is that discarded Shrimp exoskeleton floating in the water.

Below left is a Spider Crab (*Hyastenus* sp) which is also moulting, with a clear exit hole in the carapace.



Raja Ampat, Indonesia

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If you think any of the identifications or information above is wrong, please let me know at colintrmarshall@yahoo.com. Feel free to send me any images of anything you'd like some help in identifying – any particularly interesting mysteries may be included in future Underwater Photography issues.