

Marshall's Mysteries 6

Do you know what these animals are, or what they are doing? Have a guess – answers on page 71.

A



© Colin Marshall / FLPA / Minden

Lembeh, Sulawesi, Indonesia

image about 4 cm across

B



© Colin Marshall / BluePlanetArchive

Amed, Bali, Indonesia

image about 2 cm across

C

Match the juveniles (left) with the adults (right).

C¹



© Colin Marshall / FLPA / Minden

C²



© Colin Marshall

C³



© Colin Marshall

C⁴



© Colin Marshall

C⁵



© Colin Marshall / Ardea

C⁶



© Colin Marshall

D



© Colin Marshall

Lembeh, Sulawesi, Indonesia

image about 30 cm across

Guidelines for contributors

The response to UwP has been nothing short of fantastic. We are looking for interesting, well illustrated articles about underwater photography. We are looking for work from existing names but would also like to discover some of the new talent out there and that could be you! UwP is the perfect publication for you to increase your profile in the underwater photography community.

The type of articles we're looking for fall into five main categories:

Uw photo techniques - Balanced light, composition, etc

Locations - Photo friendly dive sites, countries or liveaboards,

Subjects -, Anything from whale sharks to nudibranchs in full detail

Equipment reviews - Detailed appraisals of the latest equipment

Personalities - Interviews/features about leading underwater photographers

**If you have an idea for an article,
contact me first before putting pen to paper.
E mail peter@uwpmag.com**

How to submit articles

To keep UwP simple and financially viable, we can only accept submissions by e mail and they need to be done in the following way:

1. The text should be saved as a TEXT file and attached to the e mail

2. Images must be attached to the e mail and they need to be 150dpi

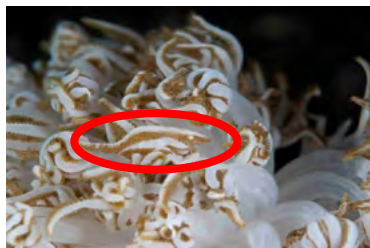
Size - Maximum length 20cm i.e. horizontal pictures would be 20 cm wide and verticals would be 20cm high.

File type - Save your image as a JPG file and set the compression to "Medium" quality. This should result in images no larger than about 120k which can be transmitted quickly. If we want larger sizes we will contact you.

3. Captions - **Each and every image MUST have full photographic details** including camera, housing, lens, lighting, film, aperture, shutter speed and exposure mode. These must also be copied and pasted into the body of the e mail.

Marshall's Mysteries 6 - Answers

A



Brilliantly camouflaged Two-stripe Soft Coral Shrimp, aka Xenia Coral Shrimp (*Alcyonohippolyte tenuicarpus*), in Xenia Coral (Xeniidae Family).

The mimicry is extraordinary - artful colouration replicating the host coral, ie not just bits of coral stuck to the shrimp. Patterns are hence variable for the species; the dentition of the rostrum (the carapace extension with serrated spikes which protects the eyes) can be used to accurately identify the species.

A "clean canvas" of a similar *Xenia* Shrimp species, (*Alcyonohippolyte commensalis*), is shown below :



© Colin Marshall

Lembeh, Sulawesi, Indonesia

These commensal shrimps can be found on page 33 of "Coral Reef Crustaceans from Red Sea to Papua" by Andrey Ryanskiy.

B



Drinking-straw Polychaete Worm (*Hyalinoecia* sp) dragging its protective tube across the sand.

The tubes are made of bits of shell, sand, and plant debris, stuck together with mucus.

C

These are all Boxfish or Cowfishes. The juveniles and corresponding adults are shown below :

C¹



Yellow Boxfish
Ostracion cubicus

C⁶



C²

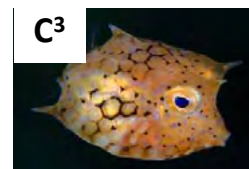


Roundbelly Cowfish
Lactoria diaphana

C⁴

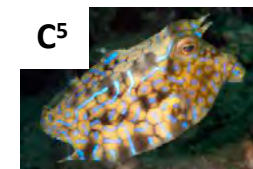


C³



Thornback Cowfish
Lactoria fornasini

C⁵



More detail on these Boxfish can be found on pages 1081-82 of Volume 3 of "Reef Fishes of the East Indies" by Gerry Allen and Mark Erdmann.

D



Giant Ball Coralimorph (*Megacorynactis giganteus*) predating a Blue Starfish (*Linckia laevigata*). The column can extend to a very long length; I have witnessed at least a meter.

The predation is more or less the opposite of a cheetah hunting a gazelle; everything moving in painfully slow motion!

Image of the "relaxed" Coralimorph is shown on the right, with the column retracted.

© Colin Marshall



Lembeh, Sulawesi, Indonesia

More detail on this Coralimorph can be found on pages 412 -13 of "Indo-Pacific Corals" by Joe Rowlett.

If you think any of the identifications or information above is wrong, please let me know at colinmarshall@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.