

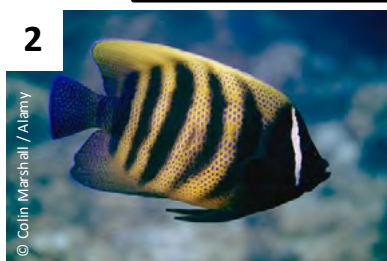
## Marshall's Mysteries 22

General ID quiz. Deliberately not including exotics, eg Hairy Frogfish. Hint : try to come up with the "family", eg Cardinalfish, then look at the features to try to work out the common name. 1 point for family name, another for common name. Maximum 40 points. Above 30 is very good, less than 10 needs more diving!

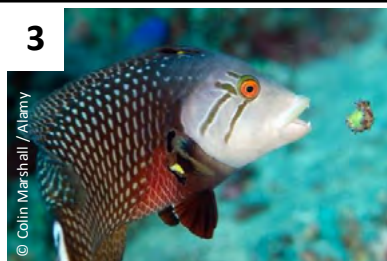
Answers on page 66



Lembeh Straits, Sulawesi, Indonesia



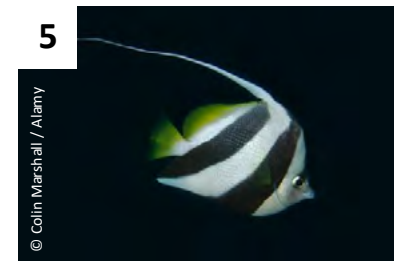
Raja Ampat, Indonesia



Bali, Indonesia



Raja Ampat, Indonesia



Raja Ampat, Indonesia



Raja Ampat, Indonesia



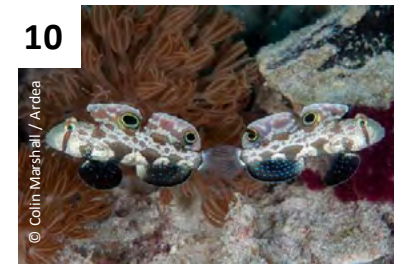
Bali, Indonesia



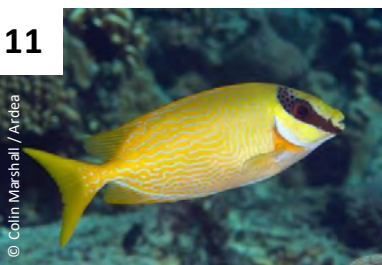
Bali, Indonesia



Bali, Indonesia



Raja Ampat, Indonesia



Sipadan Island, Sabah, Malaysia



Lembeh Straits, Sulawesi, Indonesia



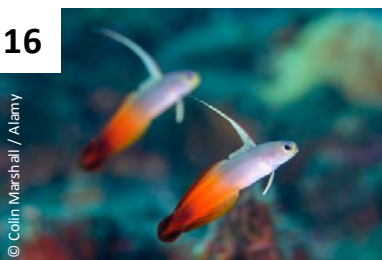
Lembeh Straits, Sulawesi, Indonesia



Komodo, Indonesia



Bali, Indonesia



Bali, Indonesia



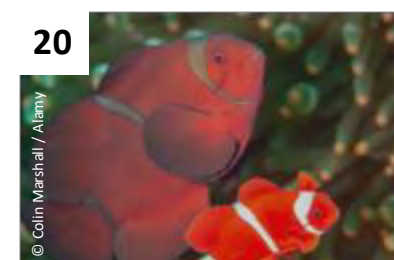
Bangka, Sulawesi, Indonesia



Dili, East Timor



Bali, Indonesia



Sipadan Island, Sabah, Malaysia

## Kit for sale

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.

Search UWP adverts



### 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

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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 >](#)



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# Marshall's Mysteries 22 - Answers

Family (or Subfamily)  
Common Names  
Scientific Name

1

**Stonefish**  
(Synanceiinae)

**Horrid Stonefish**  
**Estuarine Stonefish**  
**Hollow-cheek Stonefish**  
**Warty Ghoul**  
**True Stonefish**

**Synanceia horrida**

With their famous venomous spines, one of the most dangerous fish – and the ugliest!



Lembah Straits, Indonesia

2

**Angelfish**  
(Pomacanthidae)

**Six Banded Angelfish**  
**Sixbar Angelfish**

**Pomacanthus sexstriatus**

The bright colours and grace with which Angelfish carry themselves perhaps is where they got their name. Some say the silhouette looks like an angel, which seems more likely for the freshwater variety (with their tall dorsal fins) rather than the marine Angelfish. Many common names refer to fish's stripes, lines, bands or bars.



3

**Wrasse**  
(Labridae)

**Rockmover Wrasse**  
**Dragon Wrasse**  
**Reindeer Wrasse**

**Novaculichthys taeniourus**

The wrasse is indeed moving a rock. The "Reindeer" name is from the juvenile's "horns", ie the two dorsal fin spines shown below.



Banda Islands, Indonesia

4

**Bream**  
(Nemipteridae)

**Double Whiptail**  
**Blue Whiptail**  
**Purple Threadfin Bream**  
**Whip-tailed Threadfin-bream**

**Pentapodus emeryii**

The tail resembles a whip, hence "Whiptail", although not all Whiptails have such a whip-like tail as this species. Give yourself a bonus point if you knew a Whiptail was part of the Bream family. The "threadfin" reference is the same as the "whiptail", ie the trailing filament on the caudal (tail) fin.



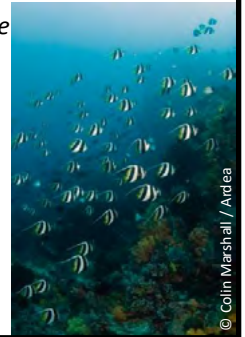
5

**Bannerfish**  
(Chaetodontidae)

**Schooling Bannerfish**  
**Schooling Coachman**  
**Pennant Butterflyfish**  
**Poor Man's Moorish Idol**

**Heniochus diphreutes**

Similar to the Longfin Bannerfish, Heniochus acuminatus, but this fish is found in schools, hence the name.



Lembah Straits, Indonesia

6

**Needlefish**  
(Belonidae)

**Reef Needlefish**  
**Square-tail Alligator Gar**  
**Driller's Long-tom**

**Strongylura incisa**

The average diver probably has a much higher chance of being injured or even killed by a Needlefish than, say, a Shark. They stay near the surface and can swim at up to 60 km/hour, and often jump out of the water, like a javelin. Stories of people having the fish pierce their eye or heart. Especially at night, when lights confuse the fish.



7

**Stargazer**  
(Uranoscopidae)

**Whitemargin Stargazer**

**Uranoscopus sulphureus**

Sneaky question as this fish is usually seen buried, in ambush mode in the sand, looking straight up - "gazing at the stars". Unusual to see it out of the sand.



Bali, Indonesia

8

**Pufferfish**  
(Tetraodontidae)

**Map Puffer**  
**Scribbled Pufferfish**  
**Scribbled Toadfish**  
**Kesho-fugu (Japanese)**

**Arothron mappa**

The Puffer's pattern resembles a map, especially that of a maze, hence the common name. The fish is a delicacy in Japan, requiring great care to ensure the meat served has no contamination of the fish's poison (tetrodotoxin found in the liver & skin of the Pufferfish to deter predators).



9

**Triggerfish**  
(Balistidae)

**Redtooth Triggerfish**  
**Redfang Triggerfish**  
**Blue Triggerfish**

**Odonus niger**

The red teeth are unusual and distinctive. Surprised there is no "Draculafish" common name...



Raja Ampat, Indonesia

10

**Goby**  
(Gobiidae)

**Twinspot Goby**  
**Crab-eyed Goby**  
**Signal Goby**  
**Four-eyed Goby**

**Signigobius biocellatus**

An eyespot (or ocellus) confuses potential predators, possibly preventing an attack - those "eyes" look big! If the predator does attack, the spots may cause it to attack the wrong area, facilitating an escape or at least reducing injury. Spots, like stripes, are often referred to in a fish's common name.



11

### Rabbitfish (Siganidae)



Masked Rabbitfish / Spinefoot  
Bluelined Rabbitfish / Spinefoot

#### *Siganus puellus*

Rabbitfish, seen below at night, have venomous spines (venom similar to Stonefish), to deter predators & lock themselves in place when sleeping.



Night dive, Raja Ampat, Indonesia

12

### Gurnard (Dactylopteridae)



Flying Gurnard  
Helmet Gurnard  
Oriental Flying Gurnard  
Purple Flying Gurnard  
Sea Robin

#### *Dactyloptena orientalis*

The common name "Helmet Gurnard" is considered by some to be preferable to "Flying Gurnard" as the fish obviously does not really fly. However, any photographer who has tried to take an overhead image while they "fly" about underneath understands why "flying" is in the common name!

16

### Goby (Gobiidae)



Fire Dartfish  
Fire Goby  
Magnificent Fire Fish  
Red Fire Goby  
Fire Fish

#### *Nemateleotris magnifica*

Most divers will recognize this Fire Dartfish - the very visible fish who endearingly flicks its long dorsal fin back and forth, signaling other Dartfish, while it hovers above its hole. Like the Whiptail, give yourself another bonus point if you knew Dartfish are in the same family as Gobies.

17

### Boxfish (Ostraciidae)



Longhorn Cowfish  
Horned Boxfish  
Trunkfish  
Coffercup

#### *Lactoria cornuta*

The cow-like "horns" (spines) are distinctive. They ward off predators and make it difficult to be swallowed.



Night dive, Lembah Straits, Indonesia

13

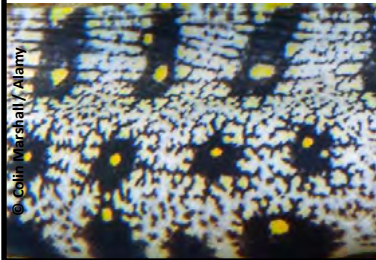
### Moray Eel (Muraenidae)



Snowflake Moray  
Clouded Moray  
Floral Moray  
Starry Moray

#### *Echidna nebulosa*

The pattern on this eel resembles a variety of concepts - snowflakes, clouds, flowers or stars, giving rise to many common names.



Ambon, Indonesia

14

### Trevally (Carangidae)



Bluefin Trevally / Jack / Kingfish  
Blue Ulua  
Spotted Trevally

#### *Caranx melampygus*

The colouration on the fins is not just some touch of blue - this is a flashy electric blue, so no surprise that it appears in the common name. The Hawaiian word "Ulua" for this and some other game fish is also used for "man" as this fish was substituted for human sacrifices when people were unavailable (no volunteers?!).

19

### Surgeonfish (Acanthuridae)



Regal Blue Surgeonfish / Tang  
Palette Tang  
Flagtail Surgeonfish  
Wedgetail Tang

#### *Paracanthurus hepatus*

Called Surgeonfish as they have sharp spines by their tail, shaped like a scalpel, as used by surgeons.



Night dive, Forgotten Islands, Indonesia

15

### Unicornfish (Acanthuridae)



Bignose Unicornfish  
Scribbled Unicornfish  
Vlaming's Unicornfish

#### *Naso vlamingii*

This Unicornfish does not have the classic nasal protuberance resembling a unicorn horn, like the Palefin Unicornfish, *Naso brevirostris*, below.



Night dive, Raja Ampat, Indonesia

20

### Clownfish (Amphiprioninae)



Spine-cheek Anemonefish  
Maroon Clownfish  
Tomato Clownfish  
Gold Stripe Clown

#### *Amphiprion biaculeatus*

This Clownfish has a symbiotic mutualistic relationship with only one species of Anemone, the Bubble-tip Anemone, *Entacmaea quadricolor*. The Anemone protects the Anemonefish and its nest from predators. In return, the Anemone gets protection from its predators, nutrients from the fish's waste, and more water circulation.

# 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](mailto: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.