Spotlight





Now you see him, now you don't: a big Tasselled wobbegong **Eucrossorhinos** dasypogon lies in ambush among the corals of West Papua's Raja Ampat reefs. Notice the fleshy frills around its mouth - the "tassels" which give this species its common name.

CELEBRATING WEST PAPUAN CARPET SHARKS

THE WOBBEGONGS OF RAJA AMPAT

Beautifully adapted to an ambush predator existence, Wobbegongs rely on their exquisitely cryptic coloration to avoid detection and catch their prey by surprise

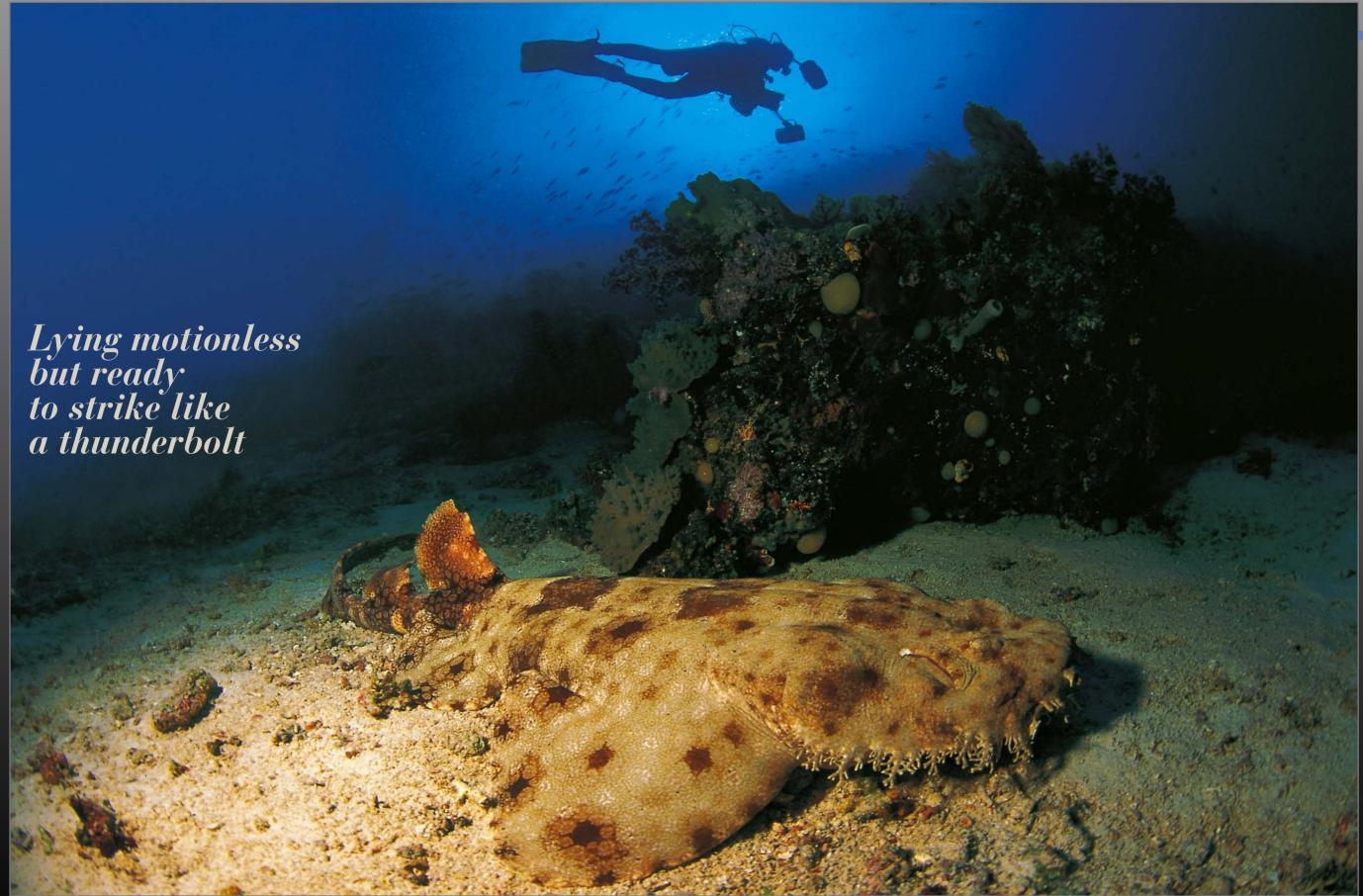






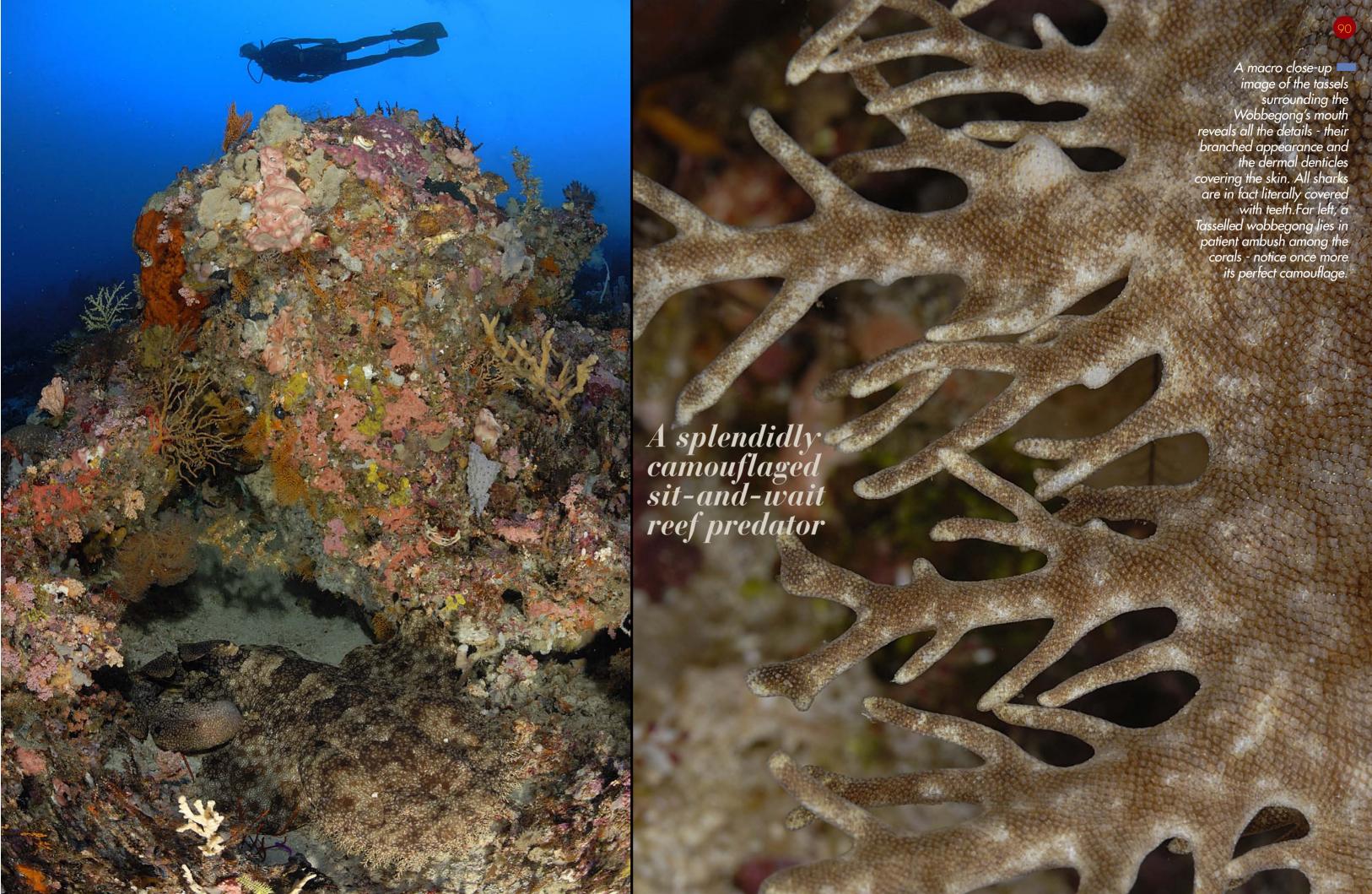
Two good examples of the Tasselled wobbegongs' extraordinary camouflage, an evolutionary adaptation which allows these benthic predators to blend perfectly with their reef environment. Notice in the far left image the presence of two bright white "false eye" spots behind the real ones, evolved to avoid bites and nips by other predators, noticeably triggerfish.





Swimming against a strong current, Antonella carefully manouvers herself in a good position while Andrea inches his way forward, until the camera's fish-eye dome actually brushes against the Tasselled wobbegong's right pectoral fin. When dealing with Carpet sharks as camera subjects, slow movements and a good understanding of the shark's body language are imperative.









A macro close-up of the dorsal dermal denticles and two wideangle shots of Wobbegongs in their habitat clearly show the amazing degree of camouflage this species can attain. This is a brilliant example of somatolitic (ie shapebreaking or disruptive) pattern and coloration. Notice how the color intensity of the brown patches varies between the two specimens illustrated, clearly depending on the substrate of choice.







extreme closeups show the fang-like front teeth and the slit-like spiracle opening just behind the eye, which allows breathing when the shark lies still. Notice once again the rough, sharp skin texture dermal denticles optimize water flow when swimming and form a hard, flexible coat of armor which protects sharks from abrasions

and bites.



bite their own tail, so don't pull it): reluctant to move if not unduly disturbed and relying on their spectacular camouflage to avoid detection instead, they are also well known to have inflicted serious bites on waders and snorkellers who stepped on them in coastal waters. Like most ambush predators (one only has to think of several arboreal snakes to remark the striking similarities), Wobbegongs not only have fearsome front fangs, but also show a worrying tendency to hold tight with pitbull-like tenacity once they have bitten, so one has to be very careful in dealing with them as camera subjects.

Divers also have to remember, as with most other large fish, never to block their escape route when one is found in a cave or under a coral overhang -

however small, a shark intent on leaving its lair in a hurry will not hesitate to trash violently and strike blindly at anything obstructing its way.

Regularly sighted on the colorful, overwhelmingly rich coral reefs of Indonesia's easternmost province, the Tasselled wobbegongs of West Papua are a source of endless wonder and amazement to divers. Stunning examples of the science of camouflage in its most evolved form, superbly adapted at their sun-dappled shallow water habitat, they lie still on flat table corals like some exquisite work of abstract art, the weird and wonderful creation of an underwater inside decorator gone slightly mad: marvelous icons of nature's whimsy and a wildlife photographer's dream.