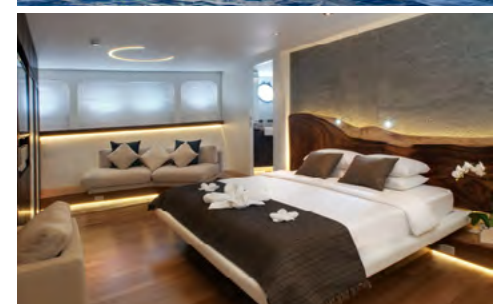






An experience without equal

At Wakatobi, you don't compromise on comfort to get away from it all. Our private air charter brings you directly to this luxuriously remote island, where all the indulgences of a five-star resort and luxury liveaboard await. Our dive team and private guides ensure your in-water experiences are perfectly matched to your abilities and interests. Your underwater encounters will create lasting memories that will remain vivid and rewarding long after the visit to Wakatobi is concluded. While at the resort, or on board the dive yacht Pelagian, you need only ask and we will gladly provide any service or facility within our power. This unmatched combination of world-renowned reefs and first-class luxuries put Wakatobi in a category all its own.



"The reef systems here are some of the most pristine I have seen anywhere in my dive travels around the globe, and Wakatobi resort and liveaboard are second to none. The diversity of species here is brilliant if you love photography." ~ Simon Bowen



www.wakatobi.com

Contents

- 4 **Editorial**
UPY 2019



- 5 **News Travel & Events**



- 16 **New Products**



- 35 **Nauticam MWL-1 review**
by Jack Connick



- 39 **Ocean Art winner**
by Nirupam Nigam



- 41 **UWP Top 10 from UPY2019**
by Peter Rowlands

Underwater Photography

A web magazine UWP107 Mar/Apr 2019



- 52 **Silky Days**
by Tobias Bernhard



- 57 **Snoot Craft**
by Mike Bartick

- 63 **Banda Sea**
by Jack Connick



- 67 **Parting Shot**
by Dr Susanne Skyrn

Cover shot by
Taeyup Kim/UPY2019

Underwater Photography 2001 - 2019
© PR Productions
Publisher/Editor Peter Rowlands
www.pr-productions.co.uk
peter@uwpmag.com

Editorial

UPY 2019

One of the most personally rewarding aspects of being involved as a judge in the UPY Competition is completing the 'Judge's comments' for the winning images.

Back in 2015 when UPY was re-ignited from the Brighton Film Festival, judge's comments were only added to the First, Second and Third placed images and when I look at that first Yearbook now, the Highly Commended and Commended image pages feel distinctly bare without any additional comments from the judges.

This year's competition attracted more photographers than ever before, over 10% more than last year's record

numbers. Entries came in from 65 different countries and we're thrilled that our entry has averaged close to 5000 pictures over each of the last 3 years.

It is difficult for me to describe the feeling of anticipation I have when we three judges convene each year to view your images. We have a social evening beforehand knowing that tomorrow we have been entrusted to view the very best underwater images from around the world.

Now I think it's fair to say that the majority of those images will have been taken within the last 12 months and as such they offer an

unprecedented snapshot of the current trends and techniques, subjects and styles which provide proof of our rudimentary health.

This year's entry was no exception but there were a couple of areas which I thought were especially encouraging and that was the Wrecks category and the British entries overall. Wrecks because photographers have embraced the capability of today's amazing LED lights by not only harnessing their power but also by using them to highlight and enhance. It has brought an extra dimension into images and so breathed new life into the

wrecks themselves. As a keen wreck photographer I fully appreciate the dedication and teamwork that these images require and their efforts have not gone unnoticed by me.

The British entries overall showed the great potential we have in our waters by using overseas techniques of background lighting, controlled depth of field and space creation in what had traditionally been perceived as dark, drab and difficult. I look forward to further developments.

You can download the Yearbook here: [Link](#)

Peter Rowlands
peter@uwpmag.com

News, Travel & Events

Blue Heron Bridge to be protected from collectors



The Florida Fish and Wildlife Conservation Commission has taken steps to prevent that from ever happening again. The FWC approved regulation changes that would maintain high-quality snorkeling and diving opportunities at the Blue Heron Bridge/Phil Foster County Park in Palm Beach County.

The changes, that will go into effect April 1, will prohibit the collection and possession of marine life fishery species (species collected for and managed for the tropical aquarium trade) within the park and surrounding waters. Prohibitions would not apply to other fishing activities, such as hook-and-line

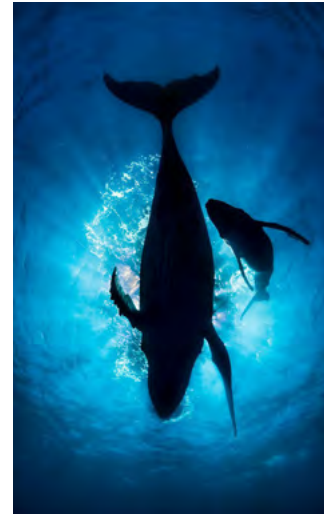
fishing or lobstering.

The changes will allow direct transit by vessel of marine life species legally harvested outside the closed area through the closed area so long as the vessel does not stop. The changes will also allow species collected outside the closed area to be landed by motorized vessel at the Park boat ramp and docks.

The Blue Heron Bridge area was named one of the 50 best dive sites in the world by PADI Sport Diver magazine and referred to as Florida's "best shore dive" by SCUBA Diving Magazine.

<https://myfwc.com>

Tonga Humpback Whales with Ikelite Ambassador Grant Thomas July 23-30, 2019



Don't miss out on this super exclusive opportunity to dive with the humpback whales under the expert guidance of Ikelite Ambassador Grant Thomas.

As the Humpbacks arrive in the warm tropical waters of Vava'u to breed and give birth, you will spend 7 days exploring the northern most group of islands in the Kingdom of Tonga. The tour starts from your resort where you are picked up every morning for a day of swimming with the whales. The tour stops for lunch around coral reefs and stunning caves

for some of the best snorkeling in the world.

This tour is limited to only 6 guests to maximize your time in the water with the whales. Grant Thomas was named British Underwater Photographer of the Year in 2018 and is ready to share his expertise so that you can capture beautiful images of these gentle giants.

All images © 2019 Grant Thomas

www.ikelite.com

<http://swimmingwithgentlegiants.com/package/tour-2a-whales-in-paradise/>

Blue Whales in San Diego

Introducing Expedition Leader Randy Nutt

I'm excited to announce that Randy Nutt will be co-leading BigAnimals' Blue Whale expedition with me July 7th – 14th.

Randy Nutt a competitive swimmer, USMS Level 4 Swim Coach (one of only 29 in the US) and the "2008 World Open Water Swimming Man of the Year" has through his company "Aqua Moon Adventures" created, produced, and directed several of the world's most exciting open water competitive and fitness swims.

Randy's work has centered around attracting swimmers from all over the world to participate in eco-friendly swims in exotic locations – with an emphasis on sharing the beautiful experience of adventure travel. He has trained several successful English Channel swimmers and was the first male to swim 21 miles around Miami Beach. He has swum and has kayaked for swimmers in the 28 Mile Manhattan Marathon Swim and the 24 mile Tampa Bay Swim Marathon –having kayaked for the first ever male and female athletes to complete that solo swim. In seven trips kayaking the 24 mile Tampa Bay Marathon his swimmers have won every time.



Randy Nutt

He has led numerous other swim expeditions including the first ever swim around Sanibel Island and a National Geographic Shark research dive in the Bahamas. He has coached world and national champions and swimmers at the US Olympic Training Center in Colorado Springs.

In Randy's own words, "I can't wait to lead this adventure with Amos, feeling his excitement and spirit of adventure, as well as his love for animals and the environment makes for a perfect partner in leading global expeditions. I am thrilled to be working with a man of such great experience and vision."

www.biganimals.com

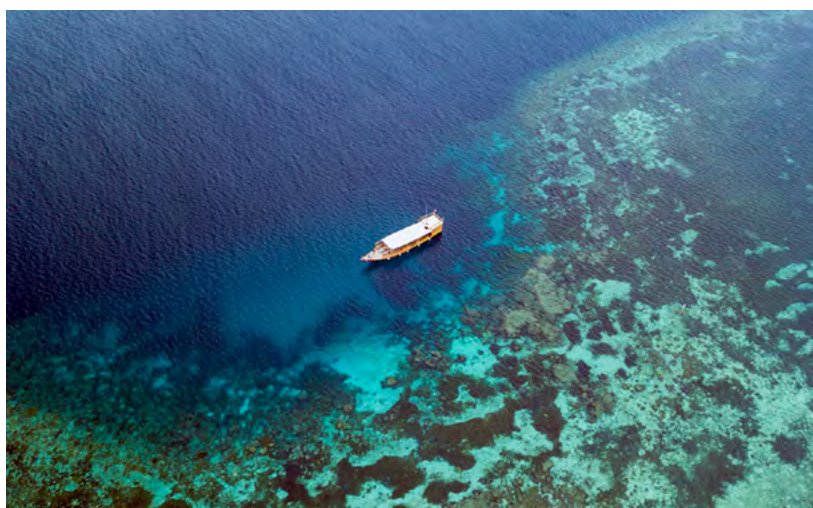


Wakatobi VII private charters

Guests of Wakatobi Resort can now experience the ultimate in personalized diving and snorkeling aboard a new 70-foot boat custom-built for private charters and excursions. The Wakatobi VII is the latest addition to the resort's fleet of custom-built dive launches.

The Wakatobi VII follows the style of traditional Indonesian boat designs, and is built locally to Wakatobi's specifications. Rather than the full-length bench seating found on the resort's other boats, the spacious covered deck of this new boat is configured for the comfort of a small group, with a dining area, forward sun lounges, kitchen station and a changing room with full bathroom and shower.

A special feature is an upper deck, which can be used for sightseeing, sunning or enjoying dinner under the stars. The center portion of the boat is devoted to dive support, with gear stations, a rinse tank and side doors that allow for easy water entries



and exits.

Guests of the resort can charter Wakatobi VII for full day excursions that include meals and crew. This option allows divers and snorkelers to visit their sites of choice

and stay out as long as they wish, whether lingering at sites furthest from the resort—such as Blade—or staying on nearby favorites such as Lorenzo's Delight, Dunia Baru, Magnifica or Roma.



Charters can also include a dusk or night dive.

The private boat option is ideal for couples, families and photographers wanting to follow a specific imaging agenda. The Wakatobi VII

currently charters for USD \$495, and daily use of a private boat is included the Ultimate 2-plus pool villa package.

www.wakatobi.com



Gregory Sweeney Photography Adventures

Underwater Safari in Baja, Mexico

A Striped Marlin & Baitball Frenzy with Shark Diving and Mobula Rays

Magalena Bay in Port San Carlos, La Paz, and Cabo Pulmo

www.GregorySweeney.com 9 - 17 November 2019



Gregory Sweeney Photography Adventures

Tiger Shark Live Aboard Dive Trip

www.TigerSharkDive.com 12 - 18 October 2019

Tiger Beach, Bahamas

David Doubilet and Jennifer Hayes headline the Underwater Tour 2019

Doubilet and Hayes, National Geographic legends and undoubtedly the world's most recognisable and inspirational ambassadors of the oceans, are on their way from upstate New York to Australia to keynote the Underwater Tour 2019. Logging 26,000 and 11,000 hours beneath the surface respectively, it's no wonder they have earned their place as revered underwater photographers and international treasures.

Doubilet's 75 plus feature publications with National Geographic document the diversity of marine environments - from equatorial coral reefs to life beneath the polar ice. Feature presenter of National Geographic Live, a columnist, contributing editor and author of 12 books, he is the recipient of many international prestigious awards.

Hayes' photography and journalism is underpinned by her marine science background and focus on science communication and conservation of endangered species. Her current work includes documenting the global status of UNESCO World Heritage Site coral reef ecosystems at risk of climate change, exploring the science and

solutions to restore North American sturgeon populations and documenting harp seals as a Face of Climate Change in the Gulf of St Lawrence as their birth ice disintegrates beneath them.

A pioneer of the blackwater macro underwater photography niche, William Tan is truly the Master of 'blackro'. Tan captures images of the phototactic movement of plankton and wonderfully bizarre marine critters in their nightly vertical migration from the deep or mid-water column to the shallows. A violinist with the Singapore Symphony Orchestra, between concert seasons, he leaves his prized antique Italian violin at home while diving throughout the Pacific region.

- Brisbane 9 May
- Sydney 11 May
- Melbourne 12 May
- Adelaide 13 May NEW
- Perth 14 May

Tickets are on sale now from \$75.

www.underwatertour.com.au

Big Animals



Blue Whales in Tropical Sri Lanka

We have been in the business of exploration for over 40 years.

We have learned a lot during that time, and we keep learning—and we apply those lessons every season and every trip. BigAnimals' founder Amos Nachoum or one of our trusted trip leaders scouted all of our trips before taking guests on expedition. Before offering each encounter, we determine safety best practices for animals and guests.

Each one of our trips is escorted by one of our expert trip leaders.

Each expedition is scheduled for the prime time to witness and encounter spectacular wildlife behavior, based on input from local researchers, fishermen and our



scouting experiences.

Although we cannot guarantee the perfect sighting, we have never failed. We do our best with a lot of help from other resources to make memorable experiences. We believe in the concept that you join an adventure, and that the journey is part of the experience.

www.biganimals.com

Travel and Workshops, Anilao, Philippines

May 20-30, 2019

One female share space left!

The best critter hunting on the planet!

Join me for a macro intensive underwater photography workshop and some of the best critter hunting on the planet! This exclusive workshop is designed to help you develop a professional approach to lighting, composition and workflow.

This itinerary will include photo coaching by photo pro, Mike Bartick to help improve your underwater photography and one on one post processing sessions with Brook Peterson to help improve your workflow.

We will have daily photo reviews in which you are invited to participate. At the end of the trip we will have a slide show presentation showcasing each participants work.

Crystal Blue Resort offers warm Filipino hospitality set on the beautiful hillside in Anilao, Philippines. The scuba diving is world-class and an exceptional place for photographers. Whether you are new to underwater photography, or at a professional level, you are welcome here. The resort offers a fantastic camera room as well as a low guide to diver ratio.



The guides at Crystal Blue Resort are the best in the business. There is no better place for photographers to gather, learn, share ideas, and network.

Oh, did I mention the food? Oh, the food! The chef's at Crystal Blue Resort will prepare three outstanding meals each day which you can enjoy between diving and workshops.

www.waterdogphotographyblog.com/travel-and-workshops/



Spring Basking Sharks & Underwater Photography Diving Week 20th-24th May 2019

We're planning a very special and specific underwater photography tour for late spring 2019. We've developed a number of amazing opportunities for underwater wildlife photography and here they are all together in one trip! Our peak season for basking sharks (mid-July to beginning of September) is the best time to travel for that species specifically but spring is the time of their arrival and can give as good action as the peak season, it can just be a little variable with the timing! We have so many other opportunities for wildlife and experiences that we can't do during peak season so this is a very exciting trip to hit them all at once!

During our week (Mon-Fri) we have a range of underwater subjects ranging from very specific species targets such as seals, seabirds and spurdog sharks, to unusual experiences such as the night diving and some good old quality west coast dive sites, hand picked by Shane for

the best photographic opportunities.

This tour is based on scuba diving and underwater photography. There are also options to join as a snorkelling/free diver - please contact us to discuss. Dive sites will be chosen based on the wildlife and photo opportunities and as such we'll be looking for slack water and easy conditions with shallow depths to allow as much time as possible in the water. We'd expect that people joining would be relatively experienced but with maximum depths around 15-20m means as long as you're comfortable diving in UK waters then you will be fine. The trip is based around single tank diving - twinsets and rebreathers not required. Ideally diving is with drysuits for maximum dive time and 7-8mm wetsuits are best for our basking shark days (8mm semi-dry available to hire through us for the day).

www.baskingsharkscotland.co.uk

Baja Mexico Safari with Gregory Sweeney November 2019



Gregory Sweeney will be leading this trip to dive and photograph the best locations in Baja, Mexico.

The adventure starts in Cabo Pulmo National Park where protected marine habitat and pristine coral draws an enormous amount of tropical fish, seals, turtles, and more. Large schools of jacks are an awesome sight as the formation pulses and morphs before us. We do dives specifically for bull sharks who lurk and patrol on the scattered remains of ship wrecks.

After 2 days of diving, we transfer to La Paz where we do a dive unique to La Paz: a night dive with Mobula Rays. Plankton are drawn like a magnet to our lights and schools of rays come swooping in to dive down

to feed in the sand. It is non-stop swirling action at night.

On to Port San Carlos where Magdalena Bay is host to the largest striped marlin migration in the world. We will be on our own boat from 7am to 4pm looking for sea birds who will point us to the epic hunting action going on underwater. The marlins hunt the sardines as do the sharks and seals. Under the surface will be a frenzy of action as marlin hunt in cooperation containing and maneuvering the bait balls. One by one they attack the sardines and take their meal.

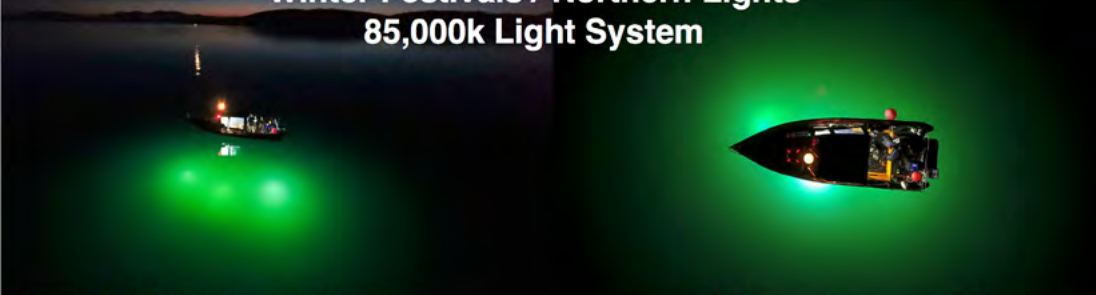
info@gregorysweeney.com



Liquidstate Freediving in Fiji



Floodlight Night Diving In Scotland
Abundant Marine Life / Shipwrecks / Deep Water Blacro
Winter Festivals / Northern Lights
85,000k Light System



www.baskingsharkscotland.co.uk / www.diveoban.com

Liquidstate Freediving is the first to bring AIDA freediving education to Fiji.

AIDA (International Association for the Development of Apnea) was founded in France in 1992. The original founders developed the education system that all other training agencies base their courses on. AIDA is the governing body for international freediving competition and world records. AIDA is a non profit organisation working towards the advancement of freediving as a sport as well as the physiological science involved.

We at Liquidstate Freediving are driven by the passion for freediving and want to share that passion with you. Freediving can be a positive life changing experience.

Whether you are a snorkeler wanting to spend more time at depth or an advanced freediver wanting to increase breath-hold time and depth;

whether you are a spearfisherman wanting access to bigger targets deeper down or a surfer who wants more breath-hold confidence to tackle bigger waves; whether you are interested in the meditative and relaxation aspects of apnea and pranayama yoga or you are a gas guzzling scuba diver wanting to improve air consumption and become a safer scuba diver, we at Liquidstate Freediving can help you to unlock your bodies potential to dive on one breath. We are all born with this ability.

Freediving is not an extreme sport and is extremely safe to learn and practice following AIDA standards.

For those who are more familiar with PADI, we also offer PADI freediver certification.

<http://liquidstatefreediving.com>

www.uwpmag.com

Tiger Beach, Bahamas Shark Trip

October 12 - 18 2019

Tiger Beach is a remote offshore location in the Bahamas known as the shark diving capital of the world. The stars at this ½ mile stretch of powder white sand are the tiger sharks, mostly female, who are resident here all year but aggregate in large numbers starting in October of each year. Other sharks are also present and are no less charismatic to photograph but each in their own way: Caribbean reef sharks and lemon sharks. Sightings of great hammerhead and bull sharks are becoming more common.

Diving without a cage among these large sharks allows you to get up close and personal for a thrilling adventure full of action. Seeing this many species of sharks is an opportunity to appreciate and value their role in our oceans.

Photographers will enjoy the clear water and bright sand bottom and taking images of sharks over the green sea grass or reefs. The tiger sharks swim in a pattern and pass close to divers and the crewmembers at the bait crates. You can observe the patterns and place yourself in position to get head-on shots.

I use a Nauticam housing with my Canon 5D MK IV . Most photographers use strobes but the light will not reach in all situations. I have



used several lenses over the years like the EF 15mm 2.8 Fisheye and the 17-40 f 4, but my main choice is the 16-35mm f2.8L. The fisheye works to get the shark nose to fin in the frame and getting close is not a problem if you are brave enough.

Bring a water resistant camera for topside shots.

October 12 – 18 2019 is the date for our 7 day Tiger Sharks at Tiger Beach Charter. We depart/return to West Palm, Beach Florida making for easy flight connections to any southeast Florida airport.

Our boat is the MV Dolphin Dream, a 86' expedition charter yacht with 5 shared cabins and diving platform. It holds 10 guests plus crew and is very stable and comfortable to ride through the Caribbean waters.

Underwater photographer Gregory Sweeney is your host and is available to offer photography help and tips during the trip and while preparing for travel.

www.TigerSharkDive.com

Red Sea Photo

Workshop 2019

Aug 5-12 (liveaboard) &
Aug 12-18 (land extension)



Join Craig Dietrich on an underwater workshop with remarkable soft corals and pelagics! Hop aboard the Blue Horizon and dive the amazing Brothers, Daedalus, and Elphinstone!

With awesome visibility and breathtaking soft corals, the Red Sea is one of the most popular dive destinations in the world. There are over one thousand species of fish in the Red Sea, 20 percent of which can be found nowhere else in the world.

Visiting Brothers, Daedalus and Elphinstone, this trip is a great all-around tour for divers with slightly more experience; offering challenging dives, big drop-offs, beautiful coral walls and plenty of large fish.

www.bluewaterphotostore.com

www.uwpmag.com



BASKING SHARK
SCOTLAND



4 Day & 7 Day Tours - 100% Success in 2017 (2-3 Day Tours 83%)

www.baskingsharkscotland.co.uk



- Biggest Numbers & Most Consistent Worldwide Basking Shark Hotspot
- Based in Hebridean Isles
- Grey & Common Seals
- Whale & Dolphin Hotspot
- Puffins, Seabirds & Eagles
- Evening Photography Dives
- Stunning Scenery
- One - Seven Day Tours
- Guided by Marine Biologists
- Scientific Research Programme

PHOTOSHOP INTENSIVE WORKSHOP

GO ASK
ERIN

BACKSCATTER
UNDERWATER VIDEO & PHOTO

CERTIFIED EXPERT
Photoshop® Lightroom®

MONTEREY, CA
FOR BEGINNERS

November 1-3, 2019



Goaskerin Intensive Photoshop For Beginners Monterey, CA November 1-3, 2019

Lightroom is an amazing application, but underwater photographers will eventually find the need to jump to Photoshop. The spot removal tool in Lightroom just doesn't cut it for removing backscatter, and although its new Range Masking tools rock, they can't compete with Photoshop's superpowers. Take your editing techniques to the next level by learning to use the most powerful editing software on the planet.

Limited class size (Max. 12)
This class will be held at Backscatter HQ in Monterey, CA.

6:30-9:30 PM Fri Nov 1 (optional)
10AM-6PM Sat & Sun Nov 2 & 3
\$395

In the optional Friday night

class, we'll check out system setup (computer, software configuration, external drives) and Photoshop Preferences to make sure everything's ready to go. I'll also introduce the most important concepts that we'll be covering in more detail on Saturday and Sunday.

On Saturday, we'll start with Photoshop's most basic building blocks – Layers and Layer Masks. By the end of the day, you'll have learned a ton of great solutions (and some dirty tricks) for many of the most difficult problems underwater photographers face.

www.backscatter.com/reviews/post/GoAskErin-Intensive-Photoshop-Workshops-for-Beginners

www.uwpmag.com

ALOR

Photo Expedition on Damai II Liveboard May 16th-27, 2021

Join Optical Ocean Sales for a 12 night cruise on the luxurious Damai II liveboard cruising the rich waters of Alor, Indonesia!

Diving in Alor and the waters of Nusa Tenggara Timur brings a constant source of marine life surprises, with a wealth of small creatures to big fish and mammals. There are a wide variety of dive sites to be explored during our liveboard trips, from muck dives in the bays of Beangabang and Kalabahi, to the always fishy Alor Kecil and the colourful walls of Pulau Reta. The Indonesian government has recently agreed to protect this area in order to secure a safe route for migrating cetaceans as they pass through the straits to their feeding grounds in the deep waters of the Banda Sea.

Alor liveboard trips offer divers the opportunity to see some of the most spectacular and untouched coral reefs in Indonesia along with the chance to witness unique behaviours of the many rare and wonderful critters to be found in the Pantar Strait. Divers can expect to see Rhinopias (lacey scorpionfish), pygmy seahorses, manta rays, schools of trevally and even the occasional whale! Departing from Maumere or Kupang, our 7-10 night dive trips not only take you through the wonders of the Pantar Strait but to lesser dived areas including Rusa, Adonara and Serbete. These areas offer unique habitats, coral reefs, pelagic action, macro critter spotting and the opportunity for island visits.

Optical Ocean Sales: Owner Jack Connick will help you get the most of your underwater photography. Photo presentations at night, as well as other information and assistance will be available.

2 Single Cabins at \$7995 are still available. All other cabins are sold out.

OPTICAL OCEAN SALES, LLC
UNDERWATER PHOTOGRAPHY PRODUCTS

206-284-1295 / 800-359-1295

Jack@OpticalOceanSales.com

<http://opticaloceansales.com/photo-expeditions-and-travel/>



MV Damai II: This beautifully designed wooden boat been designed to offer a personal luxury service, that only a vessel of this size, that is dedicated to small groups can provide. All cabins are furnished with queen or king sized beds, and ensuite heads. There is a spacious indoors camera room like found in a resort.

Included in your Package:

12 Days/11 Nights on board the Damai II Liveboard • 4 dives a day offered • Full equipment, nitrox, laundry and massages and port fees included! - a \$480 value! • Photo presentations & assistance All meals served in a fine dining environment • Beer, drinks and 1 glass of wine each night onboard • Airport transfers to/from boat.



CUBA

JAN. 17-25, 2020 &
JAN 24-FEB 2, 2020

Join Berkley White for an underwater photo adventure in the famous Jardines de la Reina (Gardens of the Queen) Cuba.

Just over 60 miles from Cuba's southern coast lie a series of small islands that have been protected from development, tourism, and fishing. Christopher Columbus named the area Jardines de la Reina, or Gardens of the Queen, and it's one of the most pristine coral reef and mangrove ecosystems in the world.

The Caribbean's largest populations of adult fish, sharks, snappers, groupers, and jewfish are found in Jardines de la Reina. The goliath groupers that inhabit this area are some of the largest in the world, often growing over 400 pounds. Sharks are plentiful in the area. Divers often spot silkies, reef, lemon, blacktip, king hammerhead and nurse



sharks on a single dive.

Avalon Fleet II has 10 deluxe comfortable staterooms with air conditioning and individual thermostats. All cabins have private bathrooms and 2 beds (one full, one twin).

Avalon II offers to the divers a lot of space for dive equipment and photo and video cameras. On the top deck a Jacuzzi (500-gallon hot tub), with a panoramic view: ideal space to drink a mojito after the last dive at sunset.

<https://www.backscatter.com/reviews/post/Jardines-de-la-Reina-Cuba-Underwater-Photography-Trip>



CANON EOS R FULL FRAME MIRRORLESS CAMERA

Introducing the new 200DL Underwater Housing for the EOS R. Every detail has been thoughtfully designed to enhance creative control, streamline the system, and reduce travel weight to a bare minimum. The large diameter Dry Lock (DL) port system provides superb optical performance with a wide variety of EOS-R-mount and EF-mount lenses. Add the optional CT2K TTL Converter for the fastest, most reliable, and most accurate TTL strobe exposure in the water.



Read more at ikelite.com.

New Products

Gladius Mini underwater drone



Gladius Mini underwater drone- Now available! Made for filming, observing and exploring. Portable and easy to take with you. Make photos and videos underwater. 4K Ultra HD video and photos with 12 MegaPixel.

The underwater drone is connected (100 meter cable in this version) to the base station. You can control the drone with the remote controller and look live at your smartphone where the drone is going thanks to WiFi connections between base and your phone.

The underwater drone is able to dive to a depth of 100 meters, allowing you to capture 4K / HD1080P quality photo and video. You can also stream your dive

in realtime. For better visibility underwater the underwater drone has two 1200 lumen lights (4000-5000K) with adjustable dimming function.

The speed of the underwater drone is about 2 meter/second (4 knots). The average runtime is 2 hours. The drone is easy to control and has approx. 45° adjustable tilt function. This can be regulated to pan left or right and tilt up or down.

The drone comes with replaceable Seawater/Freshwater ballasts for use in fresh and sea water. Select the proper ballasts for any type of adventure.

Drone specifications
Portable drone
Size: 38,3 x 22,3 x 11,43cm

Weight: 2.5 kilo
Depth: 100m
Battery: 5000 mAh
Neutral buoyancy
Stable navigation
Thrusters (propellers): 5
Approx. 45° adjustable tilt-lock mode

Camera specifications
Cmos: 1 2/3"
Lens: F2.8
Focus: 70mm. to infinity
ISO range: 100-3200
Field of view: 95°
Max photo pixel: 12M (4000x3000)
Photo type: JPEG/DNG
Video pixel: FHD (30, 60 or 120Fps 1920x1080) / 4K (30Fps 3840x2160)
Video bitrates: 60M

Video type: MP4
Storage: 64GB
One button sharing for social media

LED lights:
Light: 2x 1200 lumen LED light
Color temperature: 4000-5000 Kelvin
CRI: 80
Max. power: 10W
Dimming: Manual adjustable

www.uwcamerastore.com

YS-D2 STROBE



- AUDIBLE & VISUAL READY & TTL CONFIRMATION
- DUAL POWERED MODELLING LIGHT WITH RED FILTERS
- BACKLIT ILLUMINATED REAR CONTROL PANEL
- FASTER RECYCLING TIME
- DS-TTL II WITH +/-2 EV RANGE

SEA&SEA
THE UNDERWATER IMAGING COMPANY

www.sea-sea.com
01803 663012 - sales@sea-sea.com

Ikelite Nikon D3500 Compact DSLR

We're excited to introduce a compact, full-featured new housing for Nikon's entry-level DSLR camera.

Advantages of the Nikon D3500:

- 24 megapixel still images and 1080p HD video
 - Accepts Nikon F-mount lenses without an adapter
 - CIPA battery life of 1550 shots
- Advantages of the Ikelite 200DLM/C Underwater Housing:

Compact

DSLR system is substantially smaller and lighter than most interchangeable lens cameras and housings

Back button focus supported with large, responsive, and extendable levers for shutter and AE-L/AF-L Premium soft-touch knobs for command dial, mode, power, live view switch, and lens release controls

Smooth action hard anodized aluminum push buttons for all rear camera buttons with laser engraved labels

Supports optional TTL strobe flash by electrical sync cord and DL1 DS Link Nikon TTL Converter with NT3 Hotshoe Kit

Compatible with optional straight and 45° magnified viewfinders Unique rear seal design prevents accidental twisting or stretching of the o-ring

Camera and o-ring seal are visible through the housing ABS-PC and acrylic construction is durable, corrosion proof, and lighter than aluminum

Optional vacuum check system. Depth rated to 200 feet (60m). 2 year limited warranty. Made in the USA



www.ikelite.com

CB70 SQUARE GROUPER UNDERWATER HOUSING TRANSPORT & RINSE TANK

* SHOWN WITH NAUTICAM 1DX HOUSING ULCS ARMS SEA&SEA STROBES FOR SIZE REFERENCE ONLY



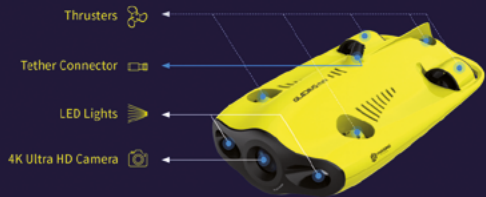
FOLDED FOR TRANSPORT



CINEBAGSUNDERWATER.COM

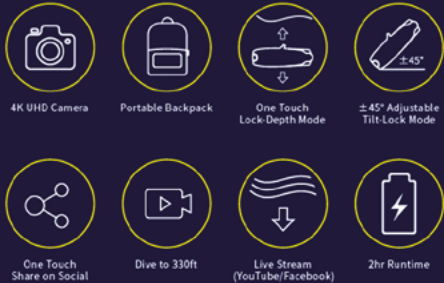
WE ARE UNDERWATER PHOTOGRAPHERS JUST LIKE YOU!

4K UNDERWATER DRONE WITH 100M CABLE



GLADIUS MINI

is the first five thruster minisize underwater drone in the world. Equipped with a 4K ultra HD camera, it can dive up to 330 feet deep and is perfect for underwater photography and exploring. The submarine-like five thruster design ensures stable underwater footage. Any underwater exciting moment can be recorded and ONE-STEP shared to your families and friends. With a backpack, you can start your trip right away. Whatever adventure you go on with friends or family, the GLADIUS MINI is a highly entertaining and unique underwater drone for everyone to enjoy.



Nikon KeyMission 170 4K Action Camera



Every experience has moments you want to remember; when you work together, hit your goal and push yourself beyond your limits. Capture them all in 4K UHD with a 170-degree, ultra-wide-angle lens that records more than the eye can see. With a body that's waterproof, dustproof, shockproof and freeze-proof, you can dive right into your journeys.

KeyMission 170 transforms everyday adventures into thrilling first-person 4K Ultra HD videos that can be shared with a compatible smartphone. Its waterproof, freezeproof and shockproof, has built-in Wi-Fi with Bluetooth, electronic Vibration Reduction, time lapse, loop recording and includes remote control. Bring it everywhere,

mount it almost anywhere and share awesome views of your life.

Shoot underwater at depths of up to 40 m for 30 minutes with the Nikon WP-AA1 Waterproof Action Camcorder Case. Designed to make sure you can shoot for as long as possible, the WP-AA1 has an additional battery compartment so that you can add a second battery, which will work sequentially – when your main battery runs out, the second will instantly take over.

170 degree angle of view.
4K Ultra HD Video.

Waterproof, freezeproof and shockproof.

Built-in LCD and supplied remote control for easy operation.

1.5in TFT LCD .

8.3MP digital stills.

Features:

Wi-Fi.

1/2.3in CMOS sensor.

Timelapse recording.

Waterproof up to 10m.

General information:

Rechargeable battery requires 1 x Li-Ion batteries (included).

Includes case, USB cable, remote control .

Weight 134.5g.

Size H46.8, W66.4, D42.7cm.

Manufacturer's 2 year guarantee.

www.nikon.co.uk

Nikonos Conversion System

- electronic conversion for Nikonos-RS lenses
- works with Nikon DSLRs
- mount available for
 - Aquatica
 - Nauticam N120
 - nju system SLR
 - Seacam
 - Subal type 4



www.njusystem.com

Nauticam NA-C200 Housing for the Canon C200 Cinema Camera

Canon describes their EOS C200 Cinema Camera as a “ready-to-go” production camera. The C200 couples a small form factor with the ability to capture 12bit RAW DCI 4K and access to use the full EF lens lineup.

Nauticam has always been at the forefront of housing development for the modular cinema camera with housings for RED, BlackMagic and ARRI cameras. Nauticam continues the line now with the NA-C200 for the Canon C200.



www.nauticam.com

New housings from Seacam - Nikon D850, Panasonic GH 5, Olympus OMD E1 MK II, Sony A7III

Our housing range continues to grow: The new SEACAM silver housings for the Nikon D850 and Panasonic GH5 stand out with an unreachable image quality and performance. The compact series has also been extended to housings for the Olympus OMD-E1 MK II and the new Sony A7III.

SEACAM silver Nikon D850
SEACAM silver Panasonic GH 5
SEACAM compact Olympus OMD E1 MKII
SEACAM compact SONY A7 III



www.seacam.com

www.uwpmag.com

nju system

Nikonos RS renewed - original Front lens refurbishment for Nikon R-UW AF 13mm Fisheye



Developing rapidly in optical engineering we are happy to announce a full refurbishment of original 13mm lens including polishing and double sided coating in addition to replacement lenses. refurbishment)

Yes, we thought it was impossible to polish that specially treated glass with a slightly superior refractive index but after examination and trial and error we have succeeded.

First and in order to remove scratches the original lens is polished. Optical multilayer coating is applied on both sides retaining and improving flare resistance of original lens (which is only coated on one side).

Nju system still offers full replacement lens and recommends it where larger and deeper dents hinder proper polishing and for heavy-duty use especially for re- and multiple polishing.

But for standard use the refurbishment of original lens is



preferable since it comes at half the price of full replacement and costs 650 €.

Reurfbished or replaced lenses also come in modified Nikonos mounts so feel free to contact us.

New lenscap for 13 mm

A huge amount of concern went to the original plastic cap made for the 13 mm. It was not properly mountable and you had to be careful not to lose it when diving. A second comfort hinderance was the need for various drill holes to connect ropes and lanyards in order not to loose it.

Nju system has made a proper lens cap for the 13 mm. It is made



from the same red silicone as the o-rings are. The inside features suction rings made for proper lens mounting and easy unmounting. Sideways are connection holes for a securing rope /lanyard. The top comes engraved with a logo. Price is 90 €.

Bayonet lens cap for Nikonos RS

Nju system has listened to customers' complaints about loose, damaged and lost bayonet caps and decided to manufacture replacement bayonet caps. The grip surface is improved for easy un-/mounting and a logo is engraved. Comes at 70 €.

Adaptors for RS with dust protctive plug

Lately we have reengineered the Nauticam adaptor for a better fit to RS 20-35 mm lens and NA-D850

housings. All five available mounts profit from new dust protective plugs that come along with the adaptors.

O-rings

Nju system offers main o-rings for RS lenses, slightly reinforced for a better seal. The adaptors are also equipped with o-rings manufactured by nju system. Usually slightly reinforced, but very soft to compensate for comfort.

Readily available in these mounts:

Aquatica. Nauticam N120. nju system SLR. Seacam. Subal type 4

Other mounts are available on request but require customization and additional costs.

Nikonos RS conversion price change

Because of diminishing spare parts for Nikonos we are forced to price up to 980 € for conversion per lens. Price for improved adaptor is 550 €. The conversion of 20-35 mm now includes a change of zoom mechanism o-rings.

www.njusystem.com

**WE ARE
UNDERWATER
PHOTOGRAPHERS
JUST LIKE YOU!**

150 METER WATERPROOF



FOR HERO 5/6/7

**ACTIONPRO ALUMINUM
HOUSING FOR GOPRO**



Isotta housing for Nikon Z series



Isotta has announced their new housing for the Nikon Z6 and Z7 mirrorless cameras. Featuring many of Isotta's standard features, the housing will ship with a TTL converter a standard that can fire strobes optically or electrically (with optional bulkheads). It has a port diameter of 120mm and has sufficient internal space to allow the use of the ZTF adaptor.

The Isotta housing for the Nikon Z6 and Z7 will ship in March, priced at €2.790,00 including local Italian sales tax.

www.isotecnic.it

www.backscatter.com

Aquatica 5HD monitor



Aquatica has announced their 5HD monitor. It features an HD monitor with peaking and false color to assist focusing and exposure, housed in an aluminum housing with a sun shade and Aquatica's rotary closure. Battery life is 4 hours, and the monitor will accept 4K input over HDMI.

The Aquatica 5HD monitor will be shipping soon, priced at \$2,195 in the U.S.A.

www.aquatica.ca

Nauticam
innovation underwater



Unleash your creative potential

NA-XT3

for Fujifilm X-T3 Camera

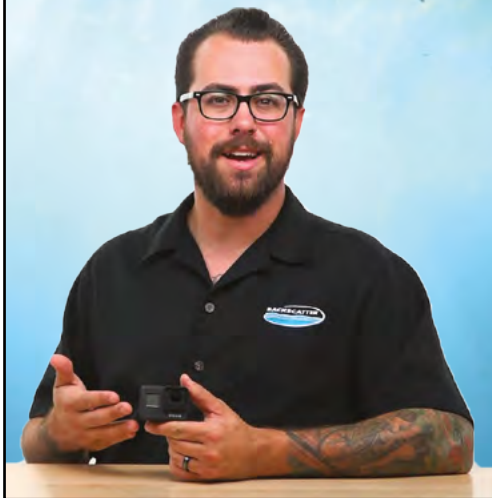


www.nauticam.com

GOPRO HERO7



UNDERWATER CAMERA REVIEW



Gopole Triad Grip GoPro Tray



Triad Grip is a versatile mount that offers protection, stability and accessory mounting options for your GoPro® camera. Perfect for professional video production or underwater usage. Compatible with all GoPro models

Specifications:

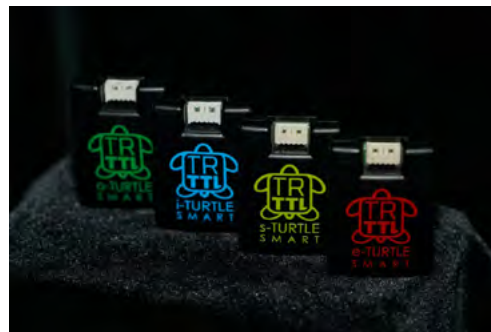
- Dimensions: 10.5" x 6.0" x 1.0"
- Weight: 310 gr
- Materials: Plastic, Rubber, Stainless Steel Hardware

Included in the box:

- 1 x Triad Grip
- 2 x GoPro® Mounts
- 2 x Hi-Torque Thumbscrews
- 1 x Wrist-Strap

www.oceanleisurecameras.com

Turtle Smart TTL converter



TRT-Electronics are shipping two new versions of their Turtle TTL converter. The Turtle Smart mounts on the camera's hotshoe are available for Nikon, Canon, Olympus/Panasonic, and Sony versions and are user programmable for different camera models. It can trigger strobes either electrically or optically and in TTL or manual modes.

Both versions are shipping now and are priced from €329 including sales tax in Europe.

www.trt-electronics.com



Nauticam NA-Z7 for Nikon Z7/Z6



**"More than mirrorless.
Nikon mirrorless."**

Underwater image makers rely on environmental diversity to push their art to its limits and not just in the underwater environment. With the introduction of the Nikon Z7 and Z6, the full-frame mirrorless camera market has major new competitors to push the segment even further.

The Z7 and Z6, Nikon's first full-frame mirrorless cameras, offer underwater shooters the same legendary Nikon sensors with the versatility of an electronic viewfinder and the compactness of a mirrorless system. The NA-Z7 supports both the Z6 and Z7 models.

www.reefphoto.com

OLYMPUS TG-5



BEST UNDERWATER CAMERA SETTINGS

Ikelite Housing for Panasonic Lumix TS7, FT7

This housing is in production for early March release. Contact us or your local authorized dealer for information on how to pre-order this model.

A full featured and durable waterproof housing for Panasonic Lumix DC-TS7 and DC-FT7 digital cameras. Suitable for scuba, snorkel, surf, pool, and any application in or around the water.

Advantages of the Panasonic TS7, FT7
Camera is waterproof to 102 ft (31m) and shockproof to 6.6 ft (2m)
20.4 megapixel BSI-CMOS sensor
Optically stabilized 28-128mm equivalent f/3.3-5.9 lens
Super-bright 3" LCD display
4K video at 24p or 30p plus high speed 120fps mode
Built-in Wi-Fi
CIPA battery life of 300 shots per charge
Superb handling

Full camera control is essential underwater. Controls are provided for all camera functions and easy to operate even when wearing gloves. The shutter lever features a sensitive and natural feeling curved design. The standard control hugs the side of the housing for comfortable use when hand holding. It can be easily extended using the optional Shutter

Trigger Extension # 4077.93 to put it within easy reach when using a right-hand quick release handle.

Push buttons are made of acetal and hard anodized aluminum to reduce weight and prevent salt build-up for smooth operation with minimal maintenance. The back of the housing features laser engraved control symbols which will never fade or fall off.

The camera mount is front-loading for easy installation and removal. A small mounting plate attaches to the bottom of the camera and secures in the front of the housing. The camera mounting plate does not need to be removed from the camera for surface use or when changing the battery or memory cards. The mounting plate features a 1/4-20 threaded mount on the bottom so that it can be attached to a tripod on the surface.



www.ikelite.com

Nauticam

Europe's Nr. 1 Nauticam expert



Certified Service Center
Professional workshop with pressure tank and Nauticam trained engineers



Super fast delivery
We stock all popular Nauticam products



Repairs and overhauls
Your partner in Europe for in-store full overhauls and repairs



Nauticam NA-A7RIII housing for Sony A7RIII and A7III



Nauticam WACP 0.36x Wide Angle Conversion Port



Nauticam NA-RX100V PRO Package for Sony RX100 V



Nauticam MWL-1 macro to wide angle lens



WE ARE UNDERWATER PHOTOGRAPHERS... JUST LIKE YOU.

MLA60 Macro Probe Lens Adapter

Described as 'Weird but Genius', the Laowa 24mm Probe lens offers a truly unique 'Bug-Eye' perspective for macro imaging.

A long, tubular barrel with tiny lens tip can extend into the smallest of spaces, yet provide a remarkable 84° FOV, 2:1 magnification, and infinity focus. Further, the Laowa 24mm Macro covers full frame and larger sensors like RED Monstro from a standard Canon or Nikon mount.

In collaboration with Venus Optics, the Gates MLA60 Probe Lens Adapter allows full submersion of this distinctive lens, turning 'Bug-Eye' into 'Goby Eye' underwater imaging.

The MLA60 kit includes two custom 3D printed adapter gears to map focus / iris to the housing controls, and a custom Stackable Port Ring adapter to seal around the Laowa lens barrel.

Since the Laowa front element is factory sealed, it leaves the Laowa lens probe extending a full 7" / 178mm from the housing seal.

An optional cable provides switched power to the built-in LED ring light, too.



www.gateshousings.com

www.uwpmag.com

**WE ARE
UNDERWATER
PHOTOGRAPHERS
JUST LIKE YOU!**

INON Z-330 STROBE

THE STROBE WE HAVE ALL BEEN WAITING FOR



Fibre snoots, dome diffusers and snoots are also available for the Z-330.



**UW
CAMERA
STORE** .COM

Nauticam NA-502B-H for SmallHD 502 Bright Monitor with HDMI 1.4 input support

The SmallHD 502 Bright monitor is an incredibly light and sharp 5-inch daylight viewable field monitor and the perfect complement to a Nauticam underwater video system.

The Bright version of the 502 adds 1000 nit daylight viewable brightness to the already stunning 1920 x 1080 Full HD Display.

The 441 PPI monitor comes equipped with an amazing suite of software tools for image monitoring in a compact form factor.

This version of the NA-502B is setup for an HDMI camera connection, see NA-502B-S for an HD-SDI camera connection.

Depth Rating 100m
Weight in Air 1.41kg
Weight in Water -20g
Dimensions 222mm (W) x 122mm (H) x 77mm (D)



A RANGE OF QUALITY HAND-HELD AND CANISTER LED DIVE LIGHTS

PHOTO-VIDEO LIGHTS AVAILABLE WITH WHITE, UV AND RED LIGHT OUTPUTS

ALUMINIUM CONSTRUCTION WITH HARD ANODISED FINISH
ADVANCED CIRCUIT & OPTICAL DESIGNS



ORCA TORCH

www.sea-sea.com

01803 663012 - sales@sea-sea.com

www.reefphoto.com

SONY RX100VI



UNDERWATER CAMERA REVIEW



Paralenz Dive Camera +

The Paralenz Dive Camera was the first underwater action camera made for divers, by divers. The New and Improved Paralenz Dive Camera+ uses the same great design with some improved performance features

Improved Features

- Now waterproof to 250m
- Improved Corrosion Resistant Surface
- Titanium Screws
- Simpler Selector Ring
- Anodized surface for scratch resistance

This unique new camera is developed in cooperation with divers worldwide, from the shared perspective that recording your dive should be simple and so should sharing the experience.

Ground breaking new features and a tough, durable design, makes the Paralenz Dive Camera favored by experts and novices in all dive communities, from the commercial technical diver, to the occasional holiday underwater explorer.

NO MORE COLOR FILTERS

Underwater footage is either tinted green or blue unless you use



filters or manually set the white balance. The deeper you go the more colors will be absorbed in the water.

The Paralenz Dive Camera has a built in pressure sensor and autocorrects the color according to your current depth. No need to think about filters or technical stuff during your dive – just enjoy the adventure and get great footage. If you plan to go below 20 meters (65 feet), a flashlight will greatly enhance the visuals.

Equipped with both a temperature sensor and pressure sensor, the Paralenz Dive Camera logs your dive and displays the data in your videos and pictures. At what exact depth did you encounter the manta ray or find the cave entrance? With the Paralenz Dive Camera you will always know – and always be able to re-experience and share that special moment.

www.oceanleisurecameras.com



Nauticam NA-D850 for Nikon D850



"The Next Frontier"

Proving that speed and resolution can indeed coexist, the Nikon D850 is a multimedia DSLR that brings together robust stills capabilities along with apt movie and time-lapse recording. Revolving around a newly designed 45.7MP BSI CMOS sensor and proven EXPEED 5 image processor, the D850 is clearly distinguished by its high resolution for recording detailed imagery. Nauticam is the market leader in build quality, ergonomics, and reliability. Built on a foundation of innovative product design and modern manufacturing technology, NA-D850 is the ultimate accessory for the exciting new Nikon D850 camera.

www.reefphoto.com



UNLEASH
UNLEASH
your creative potential



NA-GFX Housing for
Fujifilm GFX 50S Camera

www.nauticam.cn

AquaTech Base D5500 Housing

The Base D5500 Water housing designed to work with the Nikon D5500.

It is the perfect option for those who are looking to shoot without the need for camera controls, looking for an entry point to water photography or cinematography, happy to preset or let the camera automate the correct settings required or happen to be working to a budget and need a simple and effective solution to allow aquatic images and video to be captured. The Base Water Housing comes with a P-65 Lens Port and a 2 Button Pistol Grip Trigger included so you are ready to jump straight into the water and start shooting.

Featuring an interchangeable port system, Quick Release clips with a safety latch, standard tripod mounting point and zoom control with correct AquaTech zoom gears (zoom gears are purchased separately). The Base D5500 is able to be used with other accessories such as AquaTech Strike Flash Housings and is compatible with the full range of AquaTech P Series Lens Ports.

The Base Water Housing has been designed to be used exclusively with the AquaTech 2 Button Pistol Grip Trigger. The 2 Button Pistol Grip Trigger allows for dedicated focus control and



shutter control independently. The P-65 Lens Port will accommodate a large range of lenses with a maximum lens length of 63mm. Please see below for an example of lenses being used in the P-65.

Specifications:

Depth Rating: 33ft / 10meters

Construction – Polyurethane body, stainless steel clips as well as hard anodized aluminum.

Dimensions -19.0cm(7.5) Wide x 17.1cm(6.75) High x 12.7cm(5) Front to Back

Weight- 1.6 Kg (3.6lb) Housing Only

www.bluewaterphotostore.com

Nauticam NA-RX100VI for Sony DSC-RX100 VI



"Close in on the Action"

With the sixth iteration of the RX100 series, Sony has continued to add features to this workhorse compact camera and Nauticam is also adapting with the new NA-RX100VI housing. The

NA-RX100VI housing provides the ergonomics, build quality, and innovative feature set our customers demand in a tiny, travel friendly package with the addition of an interchangeable port system to accommodate the longer zoom lens of the Mark VI. Nauticam designs are always improving, and new features are integrated into each new release. The ergonomic experience has been tailored for a photographer's right hand on the side of the housing, placing key controls literally at the users finger tips.

www.reefphoto.com



i-DiveSite Symbiosis Lighting System SS-03 Strobe with 2800 Lumen Video Light

A complete Underwater Lighting System for UW photography and videography. The I-Divesite SS-03 combines a powerful strobe with a video light head for an all-one-solution.

The name Symbiosis -- interaction between two different organisms living in close physical association, typically to the advantage of both; video and strobe in one body, and they can work separately or together.

The SS-3 features an adjustable power dial and mode button. Intensity of the light or strobe can be individually adjusted. The light automatically turns off and then back on during strobe exposure. Red and white modes are available and adjustable. Changing between modes is as simple as pushing a button. The SS-3 connects to your camera via fiber optic cable (not included).

Symbiosis SS-3 is just slightly negative in the water and easy to dive. The SS-3 features a YS mount. The battery compartment unscrews and batteries can then be taken to the charger - without disassembling the



SS-3 from your rig.

SS-3 Features:

- Guide number : 20
- Beam angle : 100° Video / 70° Strobe
- Battery: 18650 Li-ion battery x2
- Number of Flash: 700 (3400mAh)
- Color Temp: 5700K
- Recycle Time: 3s
- Depth Rate: 60m
- LED output: 2800 lumen
- LED burn time: 50mins at max intensity (3400mAh)
- Weight with batteries: 520g (land) 120g (UW)
- Dimensions: 180mm x 89mm x 66mm (LxHxW)

www.opticaloceansales.com

www.oceanleisurecameras.com

www.uwpmag.com



NA-BMPCC II for Blackmagic Pocket Cinema Camera 4K



NA-S1R for Panasonic Lumix S1/S1R Camera

WORKSHOPS

ANILAO
MAY 18-25, 2019

PHILLIPINES



PHOTO
+
VIDEO

LEMBEH
OCT 4-14, 2019

INDONESIA

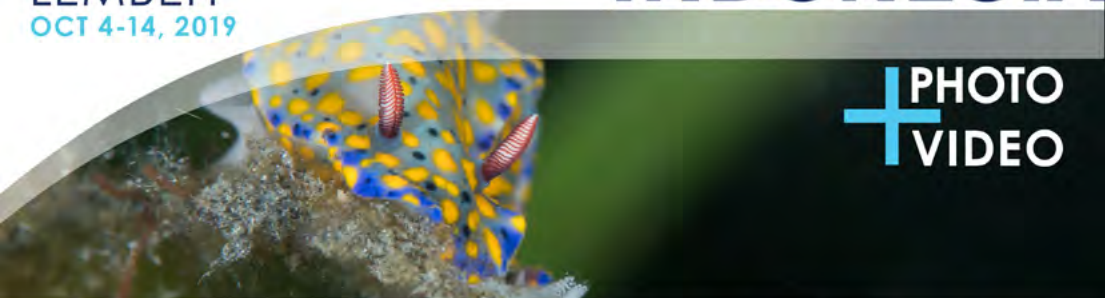


PHOTO
+
VIDEO

BLUE HERON
BRIDGE
Dates Vary

PALM BEACH

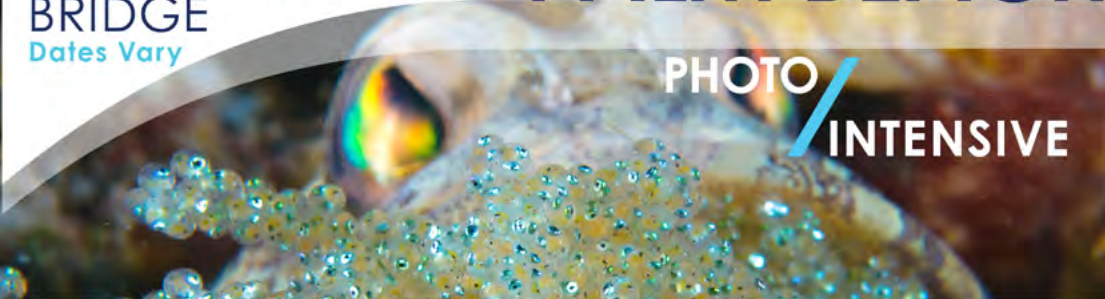


PHOTO
/
INTENSIVE



REEF
PHOTO & VIDEO
www.reefphoto.com

Telesin Dome Port for Gopro Hero 5

Made of premium Acrylic and ABS material, it is light and durable. Moving the waterline away from the lens makes it possible to capture images both above and below the water simultaneously.

Easy to operate, nearly infinite depth of field, wide-angle lens and video and still image quality make the gopro hero 5 camera perfectly suited for this application.

Waterproof up to 30 meters, wide-angle lens to help you take superior and immersive photos. It gives you very cool pictures, gives you a real wo
Specially designed for GoPro hero 5 only, not for other cameras.



<https://www.amazon.co.uk/TELESIN-Waterproof-Housing-Underwater-Photography/dp/B073H1M5SV>

Sealux HDFS7II housing for Sony PXW-FS7MK2

The Sealux HDFS7II is a safe, tailor-made housing for the professional PXW-FS7MK2 4K 4:2:2 10 bit camcorder made by Sony. This means it is one of the smallest and lightest aluminium underwater housings on the market for the PXW-FS7MK2.

With this housing our main focus has been on operational versatility. An optional display case for the on-top-of-camera display supplied by Sony allows comfortable viewing of images from a swimming position.



www.sealux.de

www.uwpmag.com

UNDERWATER PHOTO WORKSHOP

PUERTO GALERA, PHILIPPINES
JUNE 16-23, 2019

Join ~ Phil Rudin & Beth Watson

LEARN ~ EXPLORE ~ CREATE

BEGINNERS TO ADVANCED SHOOTERS

BASIC TO CREATIVE TECHNIQUES

IN~WATER TRAINING

EDITING ~ IMAGE CRITIQUES ~ REVIEWS

Phil: tropicalone@bellsouth.net

Beth: bethwatsonimages@gmail.com

RESERVATIONS: admin@asiadivers.com



www.asiadivers.com



Sea & Sea MDX-α6300 housing for SONY α6000, α6300 and α6500 cameras

All camera functions can be used underwater.

Equipped with two Fiber-Optic Cable sockets and a lens release button.

Port lock may be activated from outside of the housing.

High-performance luminescent buttons. Controls will glow in low light conditions.

The camera's built-in flash can be activated and deactivated from the housing using the Built-in flash activation button and the Flash disablement lever.

Optional Leak Sensor can be built into the housing. Its LED lamp is located in the LCD monitor window.

The hand strap helps you hold the housing with just one hand.

Equipped with two sacrificial zinc diodes to avoid electrolysis damage.

Specifications

MDX-α6300[Construction] Body: corrosion-resistant aluminum alloy (machined)

[Depth rating] 75m / 250ft

[Dimensions (WxHxD)] 195 x 125 x 100 mm / 7.7 x 4.9 x 3.9 inches

[Weight] Approx.1,265 g / 44.7 oz (Housing only)



www.sea-sea.com

MIRRORLESS MIRRORLESS ON THE WALL



WHO HAS THE LARGEST SELECTION
OF THEM ALL?



THATS WHO.

Sola Video Pro 3800



Precision engineered to deliver professional results in an ultra-compact, travel-friendly platform. The Sola Video Pro 3800 features a chip-on-board LED array to create high-quality illumination with the widest beam angle possible for stunning imagery. The essential dome port optic provides a class-leading 110° diffused beam void of hotspots and gentle light fall-off. Built with the image maker in mind, an exclusive side-indicator dashboard is easy to monitor power level wherever the light is mounted on a camera housing.

www.lightandmotion.com

Subal NZ



Subal NZ is a new design and engineering masterpiece. The housing provides access to all functions and buttons of the Nikon Z6 & Z7 cameras.

The ergonomic Subal design and arrangement of all important elements of the housing allows the camera an easy operation without letting go of the handle. The camera is mounted on a special sled, to mount the camera with precision in the housing, this allows a more faster and secure mounting. A 4 mm O ring and the new Subal locking system, prevents accidental crushing of the O-ring, and ensures maximum safety.

Pilot lights can be attached or mounted to the top shoe. The monitor window provides a glare-free and high-contrast view of the camera monitor.

www.subal.com

www.uwpmag.com



Nauticam NA-A7RIII for Sony a7R III



"Reality Realized"

Sony, the pioneers of the full-frame mirrorless camera with their a7 line have brought us their latest iteration and it is awesome. Taking cues from the just released a9 the a7R III adds better autofocus, faster continuous shooting, and the same great 5-axis stabilization we've come to love. 4K footage can be captured either from the full width of the sensor or from a Super 35 size crop. A professional housing befitting of a top-of-the-line camera, the NA-A7RIII underwater housing provides fingertip access to all key camera controls in a rugged and reliable aluminum underwater housing. Ergonomic camera control access is one of the defining strengths of a Nauticam housing, and the NA-A7RIII continues this tradition.

www.reefphoto.com

Hugyfot Arius 1500



The Arius 1500 video lighting system is equipped with 4 'true color' LED's producing an output of 1.500 lumen and a 5.700 Kelvin color temperature, providing an unprecedented spectacle of lifelike and true colors. It has an extremely leveled beam of 120° without the presence of a hot spot. The Arius 1.500 video lighting system is equipped with a rechargeable Li-Ion battery that provides 1 hour of light at full power.

www.hugyfot.com

200DL Underwater Housing for Panasonic Lumix DC-G9 Micro Four-Thirds Mirrorless Cameras



This is a full featured and durable waterproof housing for Panasonic Lumix DC-G9 Micro Four-Thirds Mirrorless cameras. Suitable for scuba, snorkel, surf, pool, and any application in or around the water.

The Panasonic Lumix DC-G9 is built for speed. It boasts a large 20MP Four-Thirds CMOS sensor, fantastic in-body image stabilization, and an updated autofocus system. The metal body is weather-sealed with a bright articulating rear LCD display and large, high resolution electronic viewfinder. The DC-G9 supports high-speed UHS-II media, captures Ultra HD 4K video at up to 60p, and features a high speed mode capable of up to 180 fps in Full HD.

This housing features our robust Dry Lock (DL) port system. "Dry Lock" refers to the placement of the o-ring on the outside of the port mount. This improves visibility of the

seal and reduces the chances of water dropping onto your precious camera sensor. DL ports are the lightest on the market, yet robust and capable of standing up to rough surf. Attachment is quick and secure. A system of extensions can accommodate a huge variety of lenses with ease.

Most popular zoom lenses and select lens focus rings can be engaged using a simple yet effective gearing system that puts adjustment right at your fingertips. A large, soft-touch lobed knob on the side of the housing makes fine tuned adjustments a breeze. Zoom and focus gears differ depending on which lens you are using. All are lightweight and affordable. Refer to the DL System Port Chart to choose the correct gear. Zoom gears sold separately.

www.ikelite.com

www.uwpmag.com

The leading online resource for
underwater photographers and videographers



TECHNIQUES

Learn the fundamentals of underwater photography and progress to the latest, most innovative techniques taught by the top pros in the industry

ARTICLES

Discover the world of underwater imaging through compelling features from photographers, filmmakers, ocean scientists, industry experts, and more

GALLERIES

Browse the portfolios of the industry's biggest names in underwater photography and share your own work online with like-minded members

TRAVEL

Read about the experiences of accomplished shooters as they visit the world's most iconic dive spots, and get inside tips on maximizing your dive vacation

NEWS

Keep up to date with everything that matters to underwater photographers, from the latest gear and gadgets to the newest developments in marine research

EXPEDITIONS

Journey with us to the hottest dive destinations on the planet and learn better technique from the most talented image makers in the scubaverse

DIVE PHOTO GUIDE

www.divephotoguide.com · contact@divephotoguide.com

Silent Kingdom: A World Beneath the Waves by Christian Vizl

Silent Kingdom reveals the world beneath the waves in an ethereal collection of black-and-white underwater photography.

Through stunning black-and-white images, award-winning photographer Christian Vizl uses a masterful control of light and shadow to portray the creatures of the sea as they are rarely seen, at home in the ethereal world beneath the waves.

From capturing the ferocity of sharks to the playful dance of dolphins, Vizl turns aquatic creatures and marine seascapes into visions of sublime grace and beauty suspended in time and space. With each turn of the page, venture deeper into the one realm in which humans do not reign and discover an unforgettable world that few have ever seen.

Though the ocean covers over 70 percent of planet Earth, over 80 percent of that vast wilderness remains unexplored. As human activity begins to impact these once-untouched regions, it is more important now than ever to acknowledge both the beauty and value of our seas and the necessity of preserving one of the last true wild frontiers of our world.



Silent Kingdom is both an ode both to the beauty of the ocean and the magnificent creatures that inhabit it and a call to action to preserve the fragile underwater world of our planet.

Christian Vizl was born in Mexico City and has been a photographer for three decades. He has won dozens of professional photography awards, including Wildlife Photographer of the Year and International Photographer of the Year, and his images have been published in numerous publications, including National Geographic and Ocean Geographic.

Introduced by Dr. Sylvia Earle and featuring 224 pages, the book is available for pre-order now, priced at \$50 is the U.S.A

<https://mandalaeath.com/product/silent-kingdom/>

ULTRALIGHT

CONTROL SYSTEMS



We manufacture trays for your digital camera & video housings and arms to add a strobe or light.



Laser-written for authenticity

*Special
GoPro
mounts*

The original arms with the O-ring in the ball.

QUALITY AND CUSTOMER SERVICE ARE OUR #1 PRIORITIES.
ALL PARTS ARE MACHINED (NOT MOLDED) FROM THE HIGHEST GRADE
ALUMINUM AND HARD ANODIZED. OTHER PARTS ARE STAINLESS STEEL.

26 years in business.
100% customer satisfaction guaranteed.
“Do not be fooled by all the copy cat brands that look like ours. Ask for genuine ULCS parts made in the USA”

Check out our new webpage

www.ulcs.com



Made in
the USA

“Often copied,
never equaled”

Nauticam MWL-1 Wet Wide Angle Lens

by Jack Connick

Nauticam's innovative new MWL-1 is a game-changing wet mount wide angle lens. Designed to be used in front of a housed macro lens, it allows for an approximate 150° field of view with excellent sharpness and quality.

Using a specialized double lens flip holder, you can now switch to three lens lengths; shooting close-up macro with a diopter, shooting standard macro with the 60mm lens or a moderate fish portrait type shots), or a wide angle lens with a 150° field of view.

The lens is compatible with FX and some APS-C DSLRs, Mirrorless, Compact, MFT, 1" sensor compacts (see lens chart). Nauticam is continuing to test and add more lenses. The MWL-1 allows for focusing from infinity all the way to the front element, so it's quite good for CF/WA shots. The ability to shoot wide angle and macro on the same dive is now a reality - even for full-frame DSLR systems!

I took one of these new Nauticam MWL-1 lenses for my Nauticam NA-D850 housing rig with me on our

recent Optical Ocean Sales Forgotten Islands Photo Expedition to Indonesia and I'm very impressed with the results.

MWL-1 Lens: The lens comes in a zipped and padded soft case and includes the Nauticam bayonet attachment, including male and female parts. The MWL-1 is fairly small with an integrated lens hood. The hood can be rotated as necessary for alignment. As the optics are high-quality glass, the lens isn't light and weighs 2.6 pounds out of water and about 1.25 pounds underwater. A small flat port for the required camera lens is all that's needed to add it to your rig. No extensions, zoom gears or other parts are necessary.

This is the real hidden beauty of the MWL-1 - its small size for travel and diving. It can replace a large 9" glass dome port, 90mm extension, zoom gear and large camera lens! This makes traveling with a large FX underwater rig much easier.

Setup: The lens couples with a macro lens, in the case of the Nikon FX cameras - the AF-S 60mm macro lens. The MWL-1, and a flip mount



The Nauticam MWL-1 lens is compatible with FX and some APS-C DSLRs, Mirrorless, Compact, MFT, 1" sensor compacts. Nauticam is continuing to test and add more lenses.





with a diopter is fairly heavy and is a bit of a challenge to get neutral. On my NA-D850 (with lighting) I added about 5 pounds of flotation to and it became more reasonable to work with, if still a little negative. There is not a flotation collar yet available for it, so a Stix float belt worked pretty well.

Usage: I had a number of lenses at my disposal for the trip; my favorite Sigma 15mm FE, Nikon 16-35mm, a borrowed Nikon 8-15mm FE, and the new

MWL-1. For macro, I had the standard FX 105mm VR lens and the AF-S 60mm macro to couple with the MWL-1. I mostly used a SagaDive +10 diopter with the 60mm as I like it's small size and power.

The MWL-1 handles well in the water, and the coverage is quite wide at about 150° (depending on the camera and lens used with it). It does get a little long and a bit bulky with the added flip holder, floats, diopter etc. But it's easy to get used to and it certainly is no bulkier than a large domed lens.

Having a little longer port and lens meant that I could also move my strobes forward a bit. As it is a small dome lens, sun flare was easily controllable, if existent at all, and sunballs are fairly easy to shoot.

The new Nauticam flip holders designed for it must be used, as the older flip holders aren't strong enough to handle its weight. They are a bit stiff and I sometimes had to hold the rig against myself to flip the lens up or down.

It also focuses down to its very small dome for



Optical Ocean Sales, 2018

CF/WA. It's easy to shoot big animals, or flip over to a macro diopter for tiny subjects. This opens up a great opportunity to tell a story, creating a series of photos with different points of view.

The lens does need to be stopped down to get the best performance. Nauticam recommends f/16 and after some testing, I agree with that parameter. You could cheat it a bit to F/14, but the shots soften quickly with the high resolution D850 below that.

Comparing it to the Nikon 16-35mm, the 16-35mm lens with the S&S focus diopter allows shots to be taken easily to f/11-f/13 range. I actually find the NA-D850 to be well-

balanced with a 9" glass dome and extension in the water, with only a small amount of floatation necessary. Split shots also work great with a large dome and the 16-35mm.

I will still pack a fisheye lens such as the Sigma 15mm FE, or Nikon 8-15mm FE along with a small Nauticam 140mm dome port, as I still want that super wide lens in my arsenal.

DX Mode on an FX Camera for Macro: A 46MP image allows for a lot of cropping, and the creamy dynamic range is great. But I've struggled a bit with depth of field using the Nikon 105mm VR lens. I've had to either approach my subjects



Optical Ocean Sales, 2018

from a flat angle, so that they weren't foreshortened, or stop way down to f/29 (past normal diffraction sharpness settings) to get enough depth of field. I wasn't always that happy with the resulting sharpness, or lack of depth of field.

So I decided to put the D850 in DX mode and use it that way with the a macro diopter wet lens. This got me back to a very comfortable, and sharp, f/14-f/16 aperture range on the lens with greater depth of field. It's not just a cropped image, the optics of the cropped sensor allow for more depth of field at the cost of a smaller image size.

While I don't have a super large

46MP image, I do have a 26MP image with greater depth of field and sharpness which is a good tradeoff. I like the larger viewfinder on the D850 in DX mode as you can see beyond the image edges for framing.

It's a nice way to use the MWL-1 lens setup and gives you another gear to shift for macro shots. Obviously you wouldn't want to shoot the MWL-1 lens in DX cropped mode as you would undo most of the benefit of the wide angle field of view.

The Nauticam MWL-1 wide angle lens is a versatile and compact solution to the vexing problem of housing a mid-range lens without having to carry a large dome port. It shoots quite well, and opens opportunities for mixing your shots up on the go. While it's not inexpensive at \$1850, it uses the relatively inexpensive 60mm macro lens and port that many people already have. Adding up the cost of an expensive mid-range zoom lens, large glass dome port, extension, and gears, it's a cost-effective and smaller solution that's travel friendly.

For a high-quality general purpose, mid-range lens solution, it might be something to consider for your underwater rig.

Jack Connick

www.opticaloceansales.com

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

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 + Hugaftot 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 >](#)

Please support our advertisers and help keep UWP free.



Small Ads

Sell your stuff You'll be amazed at just how quickly your unwanted underwater photography kit could be converted into hard cash with a UWP small ad. You can have your own UWP small ad from just £7.50 and it can have one photo as well as up to 100 words.

Check out small ads here

Buy your small ad here

Ocean Art Winners

The prestigious Ocean Art Underwater Photo Competition, organized by the Underwater Photography Guide, has announced its 2018 winners.

The Best of Show is a graceful photo of three Giant Devil Rays performing a “ballet”, which uses soft, ambient light to accentuate the movements of elegant giants, shot by Duncan Murrell.

The judges evaluated thousands of entries from 70 countries before selecting the final set of images as Ocean Art winners.

Ocean Art 2018 judges included prestigious underwater photographers Tony Wu, Martin Edge, and Marty Snyderman, accompanied by Underwater Photography Guide publisher Scott Gietler.

Over \$80,000 in prizes will be awarded, making the Ocean Art prize value among the highest in the world.



This was an amazing and unique encounter with these beautiful rays. I have seen them quite a few times in Honda Bay, Palawan, often in the vicinity of the whale sharks that I have been photographing for more than ten years, but I only managed to get close to them on one occasion when there was a large shoal of them feeding on a huge bloom of krill; I was mesmerized as they ascended all around me like a squadron of fighter aircraft. On this occasion there was no apparent feeding behaviour as five of them swirled around me. I was subsequently informed by an expert on mobulids that what I witnessed was courtship behaviour with several males in pursuit of one female, which has rarely been seen or photographed before. Like many wild animals they evidently lose any caution when they are engaged in courtship behaviour like this. I approached three of them that were interacting with their graceful balletic movement just beneath the surface, and after creating the striking formation in this photo by converging right in front of me one of them proceeded to swim directly at me and downwards, brushing up against my body as it swept below me. I was absolutely stunned and surprised by the bravado, or perhaps aggression, curiosity or sexual arousal that compelled that normally shy animal to make contact with me; it was as if I was included in the courtship and being touched by his sexual abandon. Or another possibility is that he was attracted by the reflection in the glass dome port of my housing because he came right towards my face. The one coming from the left has been identified from another photo as a female from the bite marks beneath her pectoral fin inflicted by the males, and the other two are mature males. It was without a doubt one of my most amazing intimate wildlife encounters.

Location: Honda Bay, Palawan, the Philippines

Equipment Used: Canon EOS 6D with Canon 15mm F2.8 fisheye lens. Inon X2 housing with no strobes, just ambient lighting

Camera Settings: F7.1, 1/200 sec, ISO 500

www.uwphotographyguide.com/2018-ocean-art-contest-winners

Don't settle for 2nd best



Film - No Filter No
White Balance



Digital - No Filter Manual
White Balance



Magic Filter Manual
White Balance

Digital cameras have opened up new possibilities to underwater photographers. For available light photography manual white balance is an invaluable tool for restoring colours. But when you use it without a filter you are not making the most of the technique. You're doing all the hard work without reaping the full rewards. These three photos are all taken of the same wreck in the Red Sea. The left hand image was taken on slide film, which rendered the scene completely blue. The middle image is taken with a digital SLR without a filter, using manual white balance. The white balance has brought out some of the colour of the wreck, but it has also sucked all the blue out of the water behind the wreck, making it almost grey. The right hand image is taken with the same digital camera and lens, but this time using an original Magic Filter. The filter attenuates blue light meaning that the colours of the wreck are brought out and it stands out from the background water, which is recorded as an accurate blue.



1) Wide Angle

HIGHLY COMMENDED
'Under cover of night'
Egor Nikiforov (Russia)

The underwater life of the Northern seas is very diverse. Many of the organisms living here are much larger and brighter than their southern counterparts. But if life itself in the seas is well studied, the organisms living on the boundary between the sea and land, we rarely notice. But on the littoral and in the littoral baths you can find many interesting organisms that deserve our attention. One of these organisms in front of you—a small almost transparent actinium size of only a few centimeters inhabits the littoral and withstands the monstrous force of the surf wave and strong hypothermia during low tide. The photo is made by a single frame. To shoot this project took a month of work and a lot of luck.

Kola Peninsula, littoral baths of the Barents Sea, Russia

Canon, 5D Mark II, Ikelite 6871.02, Sigma EX 15/2,8 DG Fisheye, iso 2500, f/2,8-22, 30 s, Ikelite DS51

Judges notes:

Split levels are always eye-catching and do well in competitions, but not many incorporate a magical aurora. A real winner and a fantastic achievement.

Alex Mustard

UwP's Top Ten from UPY 2019

www.underwaterphotographeroftheyear.com



1) Wide Angle

HIGHLY COMMENDED 'Princess of the Underworld' Thomas Heckmann (Germany)

Back in Mexico in 2018, we did a scuba dive in the cenote Tajma-Ha. During this dive, I found this amazing place and the idea for a model shot was born. My idea was "A model snooted by nature" with a touch of external light for the cave. All credit to the beautiful model Sonja and the safety diver. These two did a fantastic job and made this shot possible. Don't try this without a local guide and an experienced safety diver with "full cave certification"...

Cenote Taj Mahal (or Tajma Ha), Mexico

Nikon, D800E, Seacam Silver D800, AF-S FISHEYE-NIKKOR 8-15 mm /1: 3,5-4,5 E ED , iso 800, f/6,3, 1/30, 2 X Subtronic pro 160 with dome diffusers on 1/16

Judges notes:

This extraordinary image resulted from the right idea, the right time, the right model and the right team. It has a mesmerisingly haunting quality.

Peter Rowlands



1) Wide Angle

HIGHLY COMMENDED
'Intense'
Yung-sen Wu (Taiwan)

The Adams River is a tributary to the Thompson and Fraser Rivers in British Columbia, Canada. Beginning in the Monashee Mountains to the north, the Upper Adams River flows mainly southward and eventually reaches Adams Lake. The Lower Adams River begins at the southern end of the lake and flows into the extreme western end of Shuswap Lake. The river is one of the most important sockeye salmon breeding areas in North America.

Adams River, Canada

SONY , A7RIII, Seacam silver Sony A7r mark III, SONY FE 12-24mm F4 G, iso 200, 16, 1/160, SEACAM SEAFLASH 150 DIGITAL

Judges notes:

I see and judge many images of the sockeye salmon but this is one of the best. The alignment of the two salmon not to mention the composition within the frame. The surgy peak of the action is in perfect symmetry with the window which provides the viewer with topside influences of the trees against a vivid blue sky. There is so much image depth in this example.

Martin Edge



2) Macro

THIRD 'Tiger Wave' Henley Spiers (Philippines)

Cardinalfish are famous mouth-brooders, with the male responsible for guarding the eggs until they are ready to hatch. I have long been fascinated by this behaviour and spent three dives with this particular individual, slowly earning sufficient trust to allow me to capture this image in close confines. Inspired by Davide Lopresti's work, and wishing to capture an artistic interpretation of this subject, I used a snooted strobe and slow shutter speed, combined with movement of the camera to get this effect. Putting the technical theory into practice was tricky, as the light was within inches of the subject and the fish was free to swim away whenever he felt uncomfortable. With a lot of patience and perseverance, the encounter is best remembered with this frame.

Anilao, Philippines

Nikon, D850, Nauticam NA D850, Nikon 60mm, iso 200, f/22, 1/3, Inon Z330 with Retra LSD

Judges notes:

I was spellbound by this image and Henley's open homage and detailed explanation says to me that he is a genuine talent with a refreshingly open approach.

Peter Rowlands



3) Wrecks

HIGHLY COMMENDED 'Evening Stroll with Friends' Ken Kiefer (United States)

This shot took place on a trip to Stuart Cove's in Nassau, Bahamas. It was my first opportunity to shoot a model at depth with diver supplied air. The amount of teamwork that it takes for something like this is astounding. From communication and timing, to the complete coordination of safety divers and positioning it's important to have a group of experienced divers on the same page. It was a bit of a stormy day and the backdrop of the shipwreck and sharks just had a Pirates of the Caribbean moody vibe that we were able to capture.

Ray of Hope wreck at Stuart Cove's
Nassau, Bahamas

Canon, 5DsR, Ikelite, 8-15mm fisheye at
15mm, iso 160, f/7.1, 1/125, pair of Ikelite
ds161

Judges notes:

Look at all ten winning images in this category and they are all significantly different. This shot just had to be there because it was unique.

Peter Rowlands



4) Behaviour

HIGHLY COMMENDED

'Female pilot whale with dead calf'
Eduardo Acevedo (Spain)

Female pilot whale protecting her dead calf for days, unique behavior in the animal world.

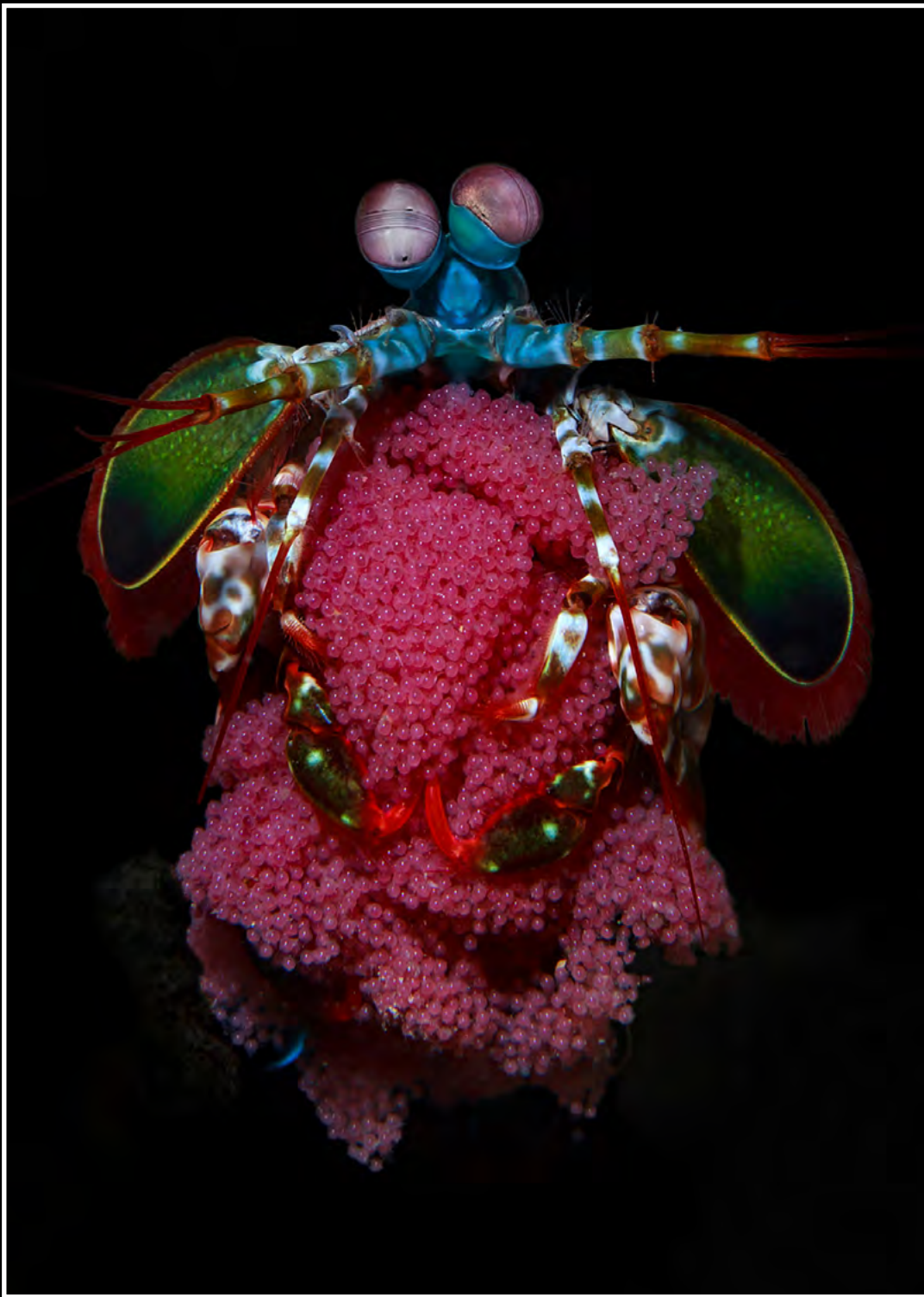
Los Gigantes, Tenerife., Tenerife, Canary Island, Spain.

Canon, 5D MK IV, Seacam., 15mm, iso 200, F/9, 1/125, No light used.

Judges notes:

*Such a delicate image yet so full of emotion.
There are times when there are no more words
needed.*

Peter Rowlands



8) Up & Coming

COMMENDED

'Mother'

Igor Bogachenko (Ukraine)

My dream has come true. For a long time I wanted to have a photo of a praying mantis with caviar in the archive of my photo shoots. For a long time, watching the behavior of this crustacean, I managed to wait for the moment when the praying mantis female became interested in its reflection in the lens glass and climbed out of its full-length refuge. And this was my only chance to make this shot.

Lembeh strait, Indonesia

Canon, Canon EOS 70D, Nauticam NA-70D , Canon EF 100mm f/2.8L Macro IS USM , iso 200, f/20, 1/125, Sea & Sea YS-D1

Judges notes:

As a subject we have seen our fair share of these colourful characters but this one shone through and the eggs almost look as if they have been individually lit!

Peter Rowlands



9) British Waters Wide Angle

RUNNER UP

'Grass snake swimming along a garden pond'

Jack Perks (UK)

I'm always on the look out for unusual freshwater subjects and grass snakes are a species I've been after for years. I was told about a pond used for natural swimming and the odd grass snake that hangs around the lilly pads for frogs. I put my Hammond drysuit on and got into the water and could see one slithering along the surface. Slowly making my way towards it with my head only just poking above I got the spilt shot. Many people don't realise how aquatic grass snakes are and often spend time by the water, it was a picture I was chuffed to get!

Nottinghamshire, United Kingdom

Nikon, D500, Ikelite , Tokina 10-17mm, iso 800, f10, 1/640, None

Judges notes:

Superb image with a perfect line across the split. Good exposure both above and below the water line and such an ideal subject to cap it all off. Excellent work.

Martin Edge



9) British Waters Wide Angle

COMMENDED

The Loch Garden'

Mark Kirkland (UK)

Living just an hour away from Loch Long I made a last minute decision to go for an evening snorkel when I saw the beautiful summer light developing as I drove home from work. UK split shots are a rarity yet I see them as the pinnacle of connecting non-divers to the underwater world.

Split shot ideas have been infiltrating my dreams for months so I got in the water specifically to experiment - not easy with a 4 inch dome port. I eventually settled on an embankment which offered a line dropping from the trees, to the seaweed and into the dark depths of the Loch. Balancing the strobe lighting with the developing sunset created an image which I hope caught the atmosphere of that night. It's fuelled my determination to turn other split shot ideas into reality.

Loch Long, Scotland

Olympus , EPL-5, PT-EP10, Panasonic Lumix 8mm Fisheye, iso 200, f14, 1/40, 2x Sea&Sea YS-110a

Judges notes:

This is a subtle image with light and detail that are a delight to explore. The sunset, trees and underwater scene combine to create a wonderful feeling of the place. We particularly like how the composition allows the line of the shore to be continued underwater by the seaweeds.

Alex Mustard



10) British Waters Macro

THIRD

'Proud Parent'

Mark Kirkland (UK)

With a short window of just a few weeks in early spring to catch Common Frogs spawning, I was disheartened to spend many an evening staring at empty ponds, often returning the following evening to waters full of frogspawn but without a frog in sight. Using research papers to identify potential sites, I eventually came across Malls Mire; a small area of Wetland in Glasgow. Situated between a housing estate, a supermarket and an industrial estate it is an unlikely haven for wildlife. I spent six glorious hours lying in the mud photographing huge numbers of increasingly curious frogs. This photograph, one of the last that day, was taken as the early evening sun was setting behind the trees. A day well spent.

Malls Mire, Glasgow, Scotland

Olympus , EPL-5, Olympus PT-EP10,
Olympus 14-41mm , iso 200, f14, 1/80, 2x Sea
and Sea YS-110a

Judges notes:

Character, behaviour and technique all wrapped up in one striking image. We love images like this, which show the very different kinds of pictures talented photographers can produce in the UK with an underwater camera. Frogs are much more cautious than toads and are therefore much less frequently photographed.

Alex Mustard

We've got you covered!



Magic filters are now available in 3 options. Original Magic for use in blue water with DSLR and compact cameras with Manual White Balance, Auto-Magic for compact cameras in automatic point and shoot mode. GreenWater Magic for use in green water with DSLR and compact cameras with Manual White Balance. Prices start at just £22.

The Auto-Magic formula is now available in a Plexiglass filter that can be added or removed underwater.

www.magic-filters.com

Silky Days

by Tobias Bernhard

While summer days in the old country might evoke images of flowery meadows, soul warming sun beams, fluffy sheep clouds and a picnic in a wicker basket, to us tropical creatures summer or “cyclone season” spells sweltering heat, suffocating humidity, towering cloud formations pregnant with flood rains and three cold showers a day just so you don’t pass out.

I love the cyclone season here in Fiji. It is full of drama, adventure and passion. It is decay and the renewal of life. If you stand still long enough you grow mould yourself. Underwater, there is all the annual spawning and breeding going on, coral, palolo worm and fish. Every summer I spot another juvenile critter I have never seen before.

Weather forecasting algorithms are as trustworthy as a gypsy with a crystal ball at this time of the year.

Then there are the storms of course but as an undying optimist you could say that even they bring renewal. Like a bush fire, they wipe the slate clean and let nature erupt with renewed vigour. Unfortunately our roof once erupted and needed renewal too after the event.

What I love most about the cyclone season is the intermittent halcyon days at sea when the weather beast rests for a moment between breaths. When the line that used to be the horizon vanishes in matrimony of sea and sky. And the water under the boat echoes the indigo sky that calls us with soft transparency. And silly lyricism sprouts from my brain so I’m obviously due for another cold shower.



*Halcyon days”. The author’s boat bobbing on a dreamy cyclone season sea.
Nikon D800 20mm 1/500s f5.6 ISO400*

It’s on such dreamy days we like to steer a course perpendicular to the decay and heat of the coast and motor until the land is only a distant memory. And then, just when it feels far enough, we cut the engine and drift with no aim or destination, goal or expectation watching the wake ripple away into infinity.

This is a dive with no destination.

This is the canvas that memories are painted on and I am quite content to just be there and well -

that.

For freedivers this is incidentally the state of mind that makes our special brand of pre-dive relaxation easy. De-clutter your surroundings and the mind seems to follow and the need to breathe seems to become insignificant.

I like to drop the safety line to just about the edge of visibility around 40 meters down even if I do not intend to dive that deep that day but just because I can. It is mesmerizing to see the bottom



*Silky sharks arriving around the boat when the engine stops
Nikon D800 20mm 1/50s f11 ISO100 SB910 TTL fill flash*

weight fall, seemingly forever, and slowly stretch the line.

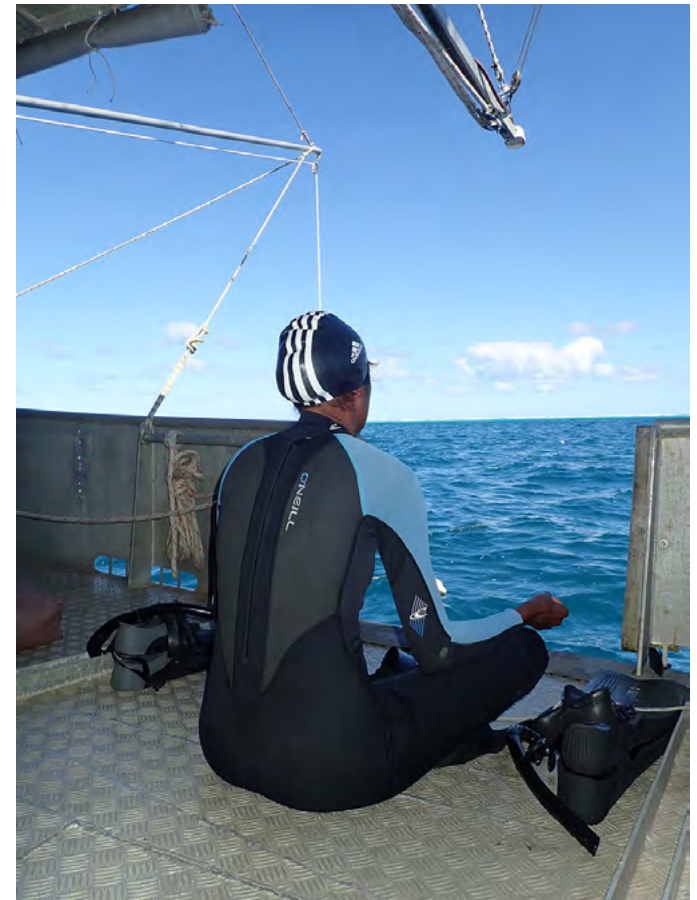
And then, on those special days when you really don't need anything more, the sea offers a special gift.

We do not chum or have spear fishing flashers in the water yet seemingly out of nowhere, and for no reason that I can discern, a few sleek shapes, gleaming coppery, glide under the boat. And as if the boat had a magnetic quality to these fluid

creatures, there appear more and more. Silky sharks (*Carcharhinus falsiformis*). The most aptly named shark I have ever seen.

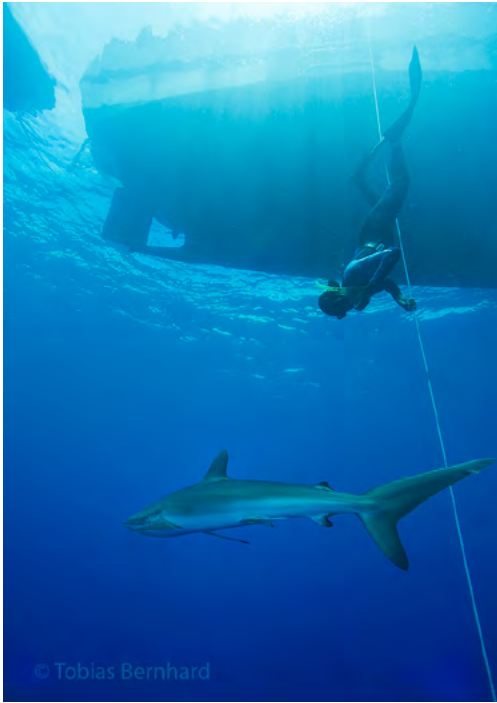
They are supposedly the most prolific pelagic shark in the tropics before the oceanic white tip and blue shark. No shark can rightly be called prolific these days with populations down to less than 10% of what they were 50 years ago. Ever more reason to appreciate encounters like these.

We count up to 20 of them.



*Freediver meditating before the dive.
Olympus TG5 1/800s f2.8 ISO100 built in flash TTL*

Silky sharks reputedly have a highly developed sense of hearing and one of my more cynical theories why they appear around our boat within minutes of stopping the engine in the middle of nowhere is that the engine noise signature of our low revving diesel is similar to those of the long liners that frequent the Koro Sea. The sharks might follow us in the hope of snatching bait or a tuna off a hook. This definitely does happen because a few of the sharks we seen have long line hooks in



© Tobias Bernhard



***(Top) Freediver descending along safety line
Nikon D800 in Subal housing 14mm 1/160s f11 ISO400, Sea & Sea D1***

***(Above) A pack of silky sharks.
Nikon D800 in Subal housing, 14mm, 1/125s f8, ISO 100, 2x Sea & Sea D1
approx. ¼ power***

***(Right) Two silky sharks, one with a long line hook in tit's mouth.
Nikon D800 14mm 1/125s f8 ISO100, 2x Sea&Sea D1 on approx. ¼ power.***



© Tobias Bernhard

their mouths and steel traces trailing behind them. These are the ones that got away.

In my New Zealand shark watching days I used to wait hours and spend a small fortune on bait before I would see a blue or a mako. By comparison this is too easy. I

almost have to pinch myself.

When you slip into the water with these open ocean dwellers there is a ritual of curious sniffing out going on. These sharks are not shy and genuinely interact with us; bumping us to check us out. This phase doesn't last very long and you would think



*(Top) Freediver and silky shark.
Nikon D800 in Subal housing, 14mm,
1/200s f11 ISO400 no flash*

*(Above) The sniffing out phase. Silky
sharks exploring freediver.
Nikon D800 in Subal housing*

*(Right) Silky shark. The (never) old
slow shutter speed trick.
Nikon D800 in Subal housing, 14mm,
1/8s f18, ISO100, 2x Sea & Sea
D1 probably full power. 14mm 1/250s
f5.6 ISO100*

that after they have satisfied their curiosity they would leave. But they don't. They keep cruising around us sedately and at a slightly more respectful distance for hours and we can commence our relaxation breath-up on the down-line to prepare for a dive.

Their interest gets peaked again

when one of us dives straight down. They follow us down the line and circle us at the turn-around (the tennis ball before the bottom weight), then scatter.

As freedivers, we turn inside ourselves during a dive and I like to believe that this attitude is something the sharks sense and regard as non-

threatening. Or is it the absence of attitude that makes them behave like this? I have observed the same with other sea creatures when you keep your eyes closed falling down the line, then open them for the turn just to see a big old turtle staring at you in apparent wonder. It only seems to work when we dive on the line with

© Tobias Bernhard

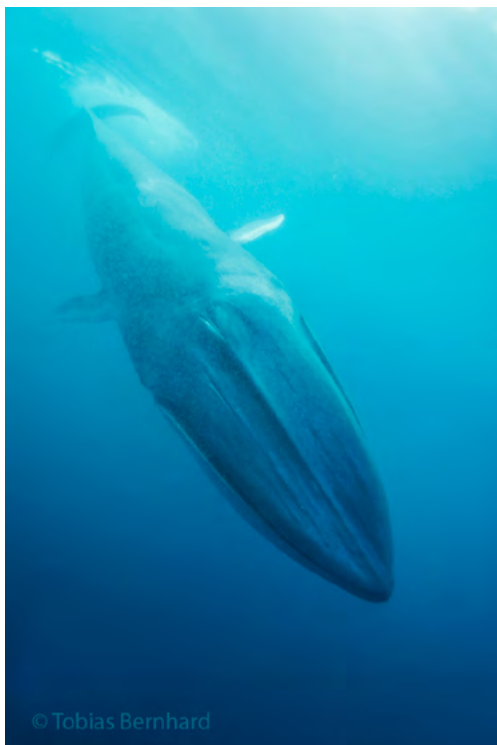
proper relaxation technique. If you swim down after them you get to see mostly shark tail.

They also seem to like the camera if you let them approach you. I guess it's the reflective dome port they come to check out.

What I love so much about these encounters is that they seem by chance but then the animals choose to stay with us. It is a very different thing from a shark feed or a whale watch encounter. A wild animal, un-habituated not running away from you and letting you be amongst them for hours ... I don't know about you but it gives me a feeling of euphoria not to mention a few half decent shots in the can.

We never tire of it and it's usually the breeze, announcing one of those scary, black squalls, that will turn the serene scene into wet mayhem as quick as you can say Jack Robinson. Sometimes, believe it or not, it's the cold. Three hours in 30 degrees of water does that, even in a 3mm steamer. I've definitely been in the tropics too long.

Silky sharks are not the only transients in this vast habitat. Sometimes the blue desert comes to life with a pod of pilot whales accompanied by spinner dolphins or a boil up of bait fish and skip jack; on even rarer occasions, Minky whales. But much as I love those other



Minky whales.
Nikon D800 in Subal housing, 14mm,
1/200s, f4, ISO800, no flash.

encounters, they are comparatively fleeting and involve a good deal of stealthy approach if you want to see the animals underwater. In my experience our love for cetaceans is not reciprocated much.

That's why I love the Silky days.

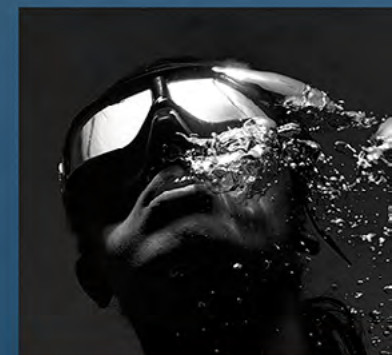
Tobias Bernhard
www.tobiasbernhard.com

HOLD LONGER - DIVE DEEPER - GET THE SHOT - SAFELY

liquidstate freediving

www.liquidstatefreediving.com

AIDA freediving education & photography coaching with Tobias Bernhard



Snoot craft

by Mike Bartick

It wasn't too long ago when Keri Wilk swept the competitions with his stunning macro images created with a snoot. At a time when only a handful of people even knew what a snoot was, he produced some show stopping images that were as ahead of the curve then, as they are today.

Very few tools can actually add a new layer to your portfolio as effectively as a snoot can, they are relatively inexpensive, hard to break and travel quite easily. Infact, buying a snoot should be thought of along the lines as a lens buy as they will add that much of a new dimension to your portfolio and skills.

What is a snoot? a snoot is a device that is used to control strobe flash in an image. Snoots don't produce light but help to channel the light for dramatic placement and effect. Often times its not whats in the image with snooting, but whats not in the image. In other words, using a snoot also helps to eliminate a fussy background or confusing substrate by illuminating just your target, isolating them, while the rest of the frame remains dark.

They can also be used for backlighting, fill lighting or surrounding your subject with light,



its really up to the user to apply their own creative mojo to see how much juice can be squeezed out the image making process. One thing is for certain though, that once you begin to use your snoot effectively, the habit will be hard to break, and soon, everything must be snooted!

There are basically two types

of snoots on the market, fiber optic snoots and optical snoots. Both have a base that fits over the strobe head and function in similar ways. However both have distinct differences in ease of use and effect.

A few question i would ask when researching to buy a snoot:

•Ease of use-Is the device easy to put

on and take off underwater.

•What is the scope of use, can I shoot with a wider angle of view and super macro

•Will I be able to operate the device on my own and not have a guide hold it

•Do I like the quality of light that it delivers at higher F-stops



*Cyerce nudibranch. Nikon D500, Sea & Sea housing, 105mm, F32 @ 1/200
1 YSD2-J strobe, Retra snoot, 1 Kraken Hydra 1k torch for backlight*



*Flabolina . Nikon D7100, Sea & Sea housing, 105mm, F29 @ 1/320
1 YSD2 Strobe. Retra snoot*

Mastering the basics before mastering your snoot

The basics for using a snoot can be broken down to a single simple phrase, “controlling the light.” For the best results, use the following settings:

Jump Settings for using a Snoot:

ISO-100/Low ISO to control ambient light

Shutter speed 1/200-Further eliminates ambient light and keeps the image sharp.

F-Stop- F18 and higher-Controls

the color, depth of field and ultimately the light quality.

Strobe power- 3/4 power-if the strobe power isn't strong enough, open the aperture slightly. For super macro images, increase the ISO from 100 to 360. I don't recommend using your snooted strobe on full power as the strobe head becomes quite hot. Taking a break for a few minutes during intense use, will also help the strobe to perform better.

On Camera and setting up to shoot:

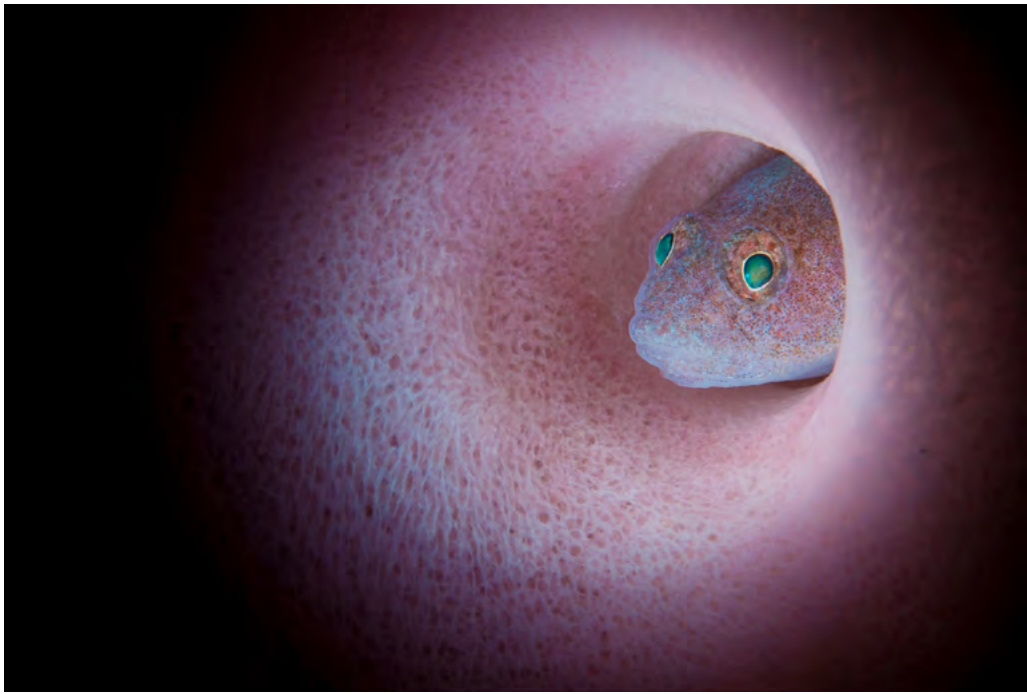
I've recently changed to using fiber optic cables to fire my strobes. This allows me to unplug one strobe and plug in another while underwater. Many times, I'll keep a third strobe on me or attached to my camera with the snoot attached to it. I also use a long FO cable so that I'm able to use my strobe off camera with a lot more freedom.

For my favorite gear setup I use two float arms on both sides of

my rig, a 6 inch arm and an 8 inch arm, longest first to give me distance and the shorter arm on the end for better articulation. I mention this as it's important to have the extra reach when it's needed.

Use your snoot on the left strobe so that you can make adjustments to light placement with your left hand while looking through the viewfinder and adjusting your camera settings with your right hand. This will also help you to balance the rig underwater and gain stability.

The higher your snoot tip is from your subject, the wider the beam



Barrel Sponge Goby- Using the snoot to direct your light and further shaping it with the masks provided with the Retra snoot, you can begin to create more than just a ring of light around your subject. The tight beam of light can also be used for shooting a bit further and in a more controlled fashion while delivering the intensity needed for clarity and sharpness in the frame. Experiment..., Nikon D7100, 105mm, F22 @ 1/320, 1 YSD2 with Retra snoot.

cast will be and with less intensity. Moving the snoot tip closer to your subject shrinks the light pool and increases the intensity.

When mounting your snoot onto your strobe head, try to place it exactly the same way every time. You will further gain muscle memory when using your strobe and be able to concentrate on the more important things, like shooting.

The Optical snoot offers a sliding mask that will allow you to shrink the light pool that surrounds your subject without moving the snoot up or down. Take a few test shots and make your adjustments then move on to creating the image you like. Watch for shadows on your subject in the foreground and be diligent when reviewing the image underwater.

Nudibranchs are one of my



Janolus- sundown effect. Using a high shutter speed and low ISO while using a snoot we create black negative space in the frame. For me, I see an opportunity to add something else back into the frame as if it is a blank canvas. I tried this on several subjects to see what I could come up with with mixed results. Experimenting can lead to interesting results. Nikon D7100, Sea & Sea housing, 105mm, F25 @ 1/320

favorite targets when using a snoot as they usually move relatively slow, are beautiful and colorful. A typical snoot shot surrounds the subjects with light, while keeping negative space within the frame. The idea is to see the snoot working and the skill of the shooter.

Using a quality fiber optic snoot like the one made by Reefnet also has its advantages. The light quality is different enough for me to justify

owning and teaching both. The FO base can utilize two snoot's at the same time, enabling the shooter to deliver light at a different angle and if so desired, different sizes or different areas in the frame.

The quick advantages for the FO snoot are backlighting, super macro and off camera lighting. The disadvantage is that its hard to know here the snoot will flash prior to



*Hairy frogfish. The light quality differs from one snoot to the next. While an optical snoot delivers a sharp contrast in the fall off of light, the FO snoot create's a softer edge with less highpoint contrast.
Nikon D500, Sea & Sea housing, 105mm, F18 @ 1/200, 1xYSD2-J strobe*



*Backlit hairy frogfish. Off camera lighting is quite simple with the FO snoot. it isn't buoyant so setting it in the sand or on a small tripod is a snap. For this shot i simply handheld the strobe with the snoot curving around from behind my subject. Backlighting with the intensity of a strobe flash is far more effective then a torch if it can be done.
Nikon D500, Sea & Sea housing, 105mm, F22 @ 1/200, 1xYSD2-J FO snoot*



*Snake eel. Backlighting can often times leave a shadow on the important features of your subject, in this case the eye. A snoot will help to add the light back into the frame in a way the doesn't overpower the backlighting effect. The negative space here being on the eel itself in addition to the rest of the frame. Flashing just the eye, I was able to bring back some color where it was needed the most. As your skills grow you will see how the light can be applied with surgical precision.
Nikon D500, Sea & Sea housing, 105mm, F18 @ 1/200, 2x2800K Kraken video lights for backlighting.*



*Sweet purple hairy shrimp. Keeping the snoot tip in the frame will also create different effects. Making macro images rather then just shooting an image now comes into play. Thinking of the frame as a a blank canvas and creating something completely different is alot of fun. Although not everyone will like the images, they are still fun to create.
Nikon D500, Sea & Sea housing, 60mm, CMC diopter, F36 @ 1/200*

The Reefnet Fibre Optics (FO) Snoot is available for a variety of strobes including Sea & Sea YS-D1/D2, YS-01/02/03, YS-250, Inon S-2000, Z-240, and Ikelite DS-160/151





Mating Thecacera picta nudibranchs. Snooting the subjects from above and introducing light from behind helped to illuminate the docking station of these amorous slugs. Lighting can either make or break an image. In this case if I used forward strobe flash, the transparent portions of the slug would be lost. Instead, I snooted from the top and backlit them with a torch. Its not uncommon for me to spend an entire dive working with a single subject. Not to say I shoot the entire time but waiting for the right moment often pays off.

Nikon D500, Sea & Sea housing, 105mm, F22 @ 1/200. 1xYSD2-J FO snoot, 1xHydra 1K torch backlighting

releasing the shutter. There are easy workarounds for this and it quickly becomes a non issue.

At the end of the day, there really is no magic bullet to learning how to use a snoot. The best way to learn is by doing. Don't let yourself become discouraged and don't be afraid to

experiment. Most importantly, be kind to the critters and always have fun!

Mike Bartick
www.saltwaterphoto.com
www.diveCBR.com



Supermacro- Goniobranchus sp. For supermacro, simply train the snoot tip directly over your diopter or set up the snoot off camera. Once the snoot is in place, then you can concentrate of creating the image rather than concentrating on light placement.

Nikon D500, Sea & Sea housing, 105mm, Kraken +13 Diopter, 1xYSD2-J with FO snoot





Crystal Blue Resort

A Creative and unique dive experience

Unique Photo Ops

Designed for photographers

Professional Guides

Photo Coaching

Personal Experience



Mike@DiveCBR.com

WWW.DiveCBR.com

Forgotten Islands/Banda Sea

by Jack Connick

After a few great days of diving at Tulamben on Bali, I joined up with the rest of the Optical Ocean Sales guests up in Ambon, Indonesia. The 12 of us joined the Damai 1 the next morning and settled into our comfortable cabins onboard. We were headed for Maumere on Flores Island - 1,000 nautical miles away, clear across the Banda Sea which lies between Raja Ampat in the north and Komodo National Park to the south. Over the next ten days, we would do 35 dives at some of the most remote sites anyone can imagine. Islands, walls, sea mounts, volcanos, reefs and muck - we would dive them all.

We did two brief dives in Ambon and were treated with a couple of Rhinopias, nudis and other great life there. That night would be the first of many long passages we'd have, crossings taking anywhere from 9 to 14 hours. This would also be one of the few rough nights at sea, for most of the trip it was beautiful weather with glassy seas and no rain, unusual in the tropics. We did four dives at Nusa Laut and were treated to a huge school of Jacks along its sloping walls on a couple of dives.

The next day was a treat, as we were near Banda Island with lots of

site choices. The clear winner was Suanggi Pinnacle, which was a fairly large sea mount, probably left over from a volcano. The north wall is steeper and over two days we'd do two dives there and one on the south wall, which was more sloping. A kaleidoscope of different sized fish made seeing the actual reef almost impossible at times. We had glimpses of shy Hammerhead sharks - as we would on and off throughout our time in the Banda Sea. While we did see other liveaboards, there was always lots of choices of dive sites and the boats cooperated with each other to ensure a good time was had.

We spent the night quietly at anchor in the harbor at Banda Neira. Banda was the heart of the Dutch East Indies, aka "Spice Islands" dating back to the 1600s. Nutmeg, mace, cinnamon and many other spices remained a heavily guarded crop by the Dutch. Native Indonesians were made to work as slaves and an uprising resulted in hundreds being killed and the establishment of a fort by the Dutch, which we toured, along with a nutmeg plantation.

We continued across the Banda Sea, stopping at many very remote and isolated volcanic islands along the



Jack Connick, 2019



Jack Connick, 2019

way. One highlight was Palau Manuk, aka “Snake Island”. Like something from a movie, this still smoking volcano is home to hundreds of green sea snakes. While cold-blooded, they take refuge among the warm rocks and vents of the volcano.

We did four dives there along very colorful and prolific reefs that were filled with all types of fish, invertebrates, soft coral, octopus, and yes, large sea snakes. As the day wore on the snakes become more aggressive (they mate at dusk). They surprised us by swimming right through our legs at times, or swimming over your back and past your mask from behind.

On the third dive at Palm Point, we started along a steep sand/ash slope. Snakes were everywhere, and seeing a big ball of them mating, I started down deeper, but then realized I was in a strong down current and getting sucked down into them. Swimming out and horizontal from the slope, I managed to swim into just as strong an up current, which turned into a sideways current running horizontal along the wall. Down, up, along and through, it was quite a dive.

The next several days were spent island hopping, diving along colorful walls, reefs and slopes. We enjoyed tranquil, blue waters loaded with life both small and large - on many dives we saw huge tuna swim by for instance. Visibility was up and down, sometimes a bit murky for photography, but always good diving. Most of these islands and sites see divers only a few times a year - if that. Remote, isolated and “forgotten”, hundreds of miles away from any inhabited places, they aren’t even seen by local fishermen. It was a real adventure to dive and know we saw places that other divers rarely, if ever, see. The diving was fairly deep. On many dives we were in the 60-80’



range or deeper. On a dive along a wall at Seruo Island, I spotted a group of very large Marble Rays swimming along the base. Taking a chance, I swam downwards hard, to the base of the wall at 119’, intercepting them and took a few fast photos.

While I was on my third dive along the massive and spectacular walls of Grouper Arch at Nyata Island, my new dive computer suddenly and without warning went into deco. Not just a few minutes, but 50 minutes at 15’! As we were



diving nitrox on a single tank, there was no way I had accumulated that much deco. But as we were so isolated, and I was just diving the one computer, I felt an obligation to try to carry out the deco. Finishing my tank, the guides brought me a drop tank and after an 113 minute dive I came out tired and shivering - and the computer still violated itself! I sat down later with the cruise director Carlo and looked over my profiles. We both attributed it to a malfunction. Luckily, Damai carries a complete



selection of dive gear and I carried on with another computer. I used both for the rest of the trip. For now on, I'm diving two computers for redundant backup and the miscreant computer has been replaced with another brand.

After another long passage we finally entered the calm waters of Alor. Alor is an amazing destination in and of itself with the deep waters surrounding it. However we were in the off-season and had decided to spend our extra time earlier in the trip at Banda. But we still had amazing macro dives at Babylon and Valley of the Clowns, with a colorful and dizzying array of anemones, invertebrates and small critters to shoot.

After our muck dive at Jan Village, we were treated with a crowd of kids, surrounding the boat with their outrigger canoes, climbing all

over, shouting and giving us high-fives. They were eager to pose for underwater photos with us. They were so friendly, sweet and carefree to be around, it left us with a warm appreciation for their lifestyle. They were also very careful and aware of their marine environment, knowing that living there takes a symbiotic relationship with the ocean. Which we also felt united with. More photos are on my Flickr site.

Jack Connick

www.opticaloceansales.com

www.Flickr.com

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.

Parting Shot

Join Me For Lunch?

I was on the second dive of the morning in Grand Cayman last May and hadn't come up with much of interest to photograph, other than the usual suspects: squirrelfish, gobies, Christmas tree worms, and similar subjects that one sees on most every dive. The other divers were headed back to the boat and I had just started my ascent when I noticed a flurry of activity below me. A coney, whose eyes were obviously bigger than its stomach, was headed under a ledge with a terrified blue tang in its jaws. I swam back down and was just able to get this shot before the coney, startled by me and my camera, opened its mouth, and its intended lunch zoomed away. One tang saved to live another day, one coney going hungry for the moment! All of this took place at a depth of about 10 meters (30 feet) and more than made up for the lack of action earlier on the dive. It's not the first time that a great photo moment has taken place at the end of a dive for me—I wonder how many other divers have had this same experience?

A bit of Watershot history: I purchased a Watershot housing in 2009 when I first started shooting underwater. Watershot made machined anodized aluminum housings with a depth rating of 60m (200ft) for the Canon Digital Rebel EOS XSi 450D and the T1i 500. There was a limited production of these housings, plus accessories such as ports, port extenders, zoom and focus gears, etc. for a few years before Watershot went primarily into manufacturing housings for cell phones.

Dr. Susanne Skyrms



*Canon Rebel T 1i, Canon 100mm f2.8L
Macro IS USM
Watershot Housing
1/200 @ f/13, ISO 200, manual mode
Inon z-240, S-2000 strobes*

**Do you have a shot
which has a story within a story?
If so e mail it with up to 500 words of text
and yours could be the next Parting Shot.
peter@uwpmag.com**

Yours could be in UwP108