



Edited by
Gunild Symes

Divers' Super protection for fun under the sun Cosmetics

All photos are courtesy of the manufacturers

CARIBBEAN BLUE - SUN SHIELD SPORT

100%, all-natural sun protection made with tropical oils, botanical extracts and anti-oxidant vitamins, Sun Shield is a completely natural, non-whitening cream that protects, moisturizes and soothes the skin. Instead of synthetic chemical ingredients, it contains natural zinc oxide in a new patented transparent form called Z-cote. It is made using the latest scientific research on sun protection: UVB rays cause sunburns, while the deeper penetrating UVA rays cause premature aging, wrinkling and even skin cancers. Bug n'Sun is also all-natural, non-toxic, moisturising, DEET-free—an effective repellent with full spectrum sun protection great for kids. www.gocaribbeanblue.com



KISS MY FACE face factor sun has spf 30 fragrance free protection for your face and neck. www.kissmyface.com



Xterra Sunblock SPF 44 & Lip Ice

are the only brand of sunblock and lip balm tough enough for the Xterra off-road triathlon series, maybe they're tough enough for divers too. SolRx and Xterra's eight hour waterproof/sweat-proof sunblock have signed a global license agreement to brand and produce Xterra sunblock. They are the industry leader in function testing certifying a full eight hours of protection. Apply today...Reapply tomorrow. Visit their website at www.solrx.com for more information. For more Xterra products go to www.xterragear.com or email: rt@xterragear.com



SPORT XTREME Ocean Potion

SPF 30 Sunblock is an advanced, light-absorbing cream designed for outdoor enthusiasts, which offers Broad Spectrum protection against UVA1, UVAII and UVB skin damaging sunrays. Very water/sweat resistant, oil free, Paba free and non-greasy. Contains Parsol® 1789 and anti-oxidant vitamins A, C and E to help reduce cell-damaging free radicals. Price: US\$8.00 www.opotion.com



Divers often find themselves out in the elements under a harsh sun in the tropics or scathed by whipping icy winds in the Arctic. Our skin, face, lips, eyes and hair take a beating. Plus there are also nasty stings to deal with from critters like mosquitoes and jellyfish. So, we searched the cyberwaves for some of the best UV protection, hair and skin care products that will help divers maintain that healthy glow and silky mane regardless of how many dives and adventures we enjoy.



ALOE UP'S best selling sunscreen is Pro SPF 30 Sport Lotion sunseen is a unique 8 hour water-resistant formula based with 35% pure aloe vera gel. The Pro Series sunscreen is non-greasy, sweat proof, non-comedogenic, hypo-allergenic and certified biodegradable. Priced at 4oz for \$10.99, 1oz \$4.99. Look for it and check out other useful products such as Lip Ice, Water Sports Jelly, Sunburn Relief Jelly, Facial Moisturizers and Pure Aloe Vera Gel at scuba shops or Aloe Up's online store at www.aloeup.com

cosmetics

Skin Care & Protection

Barracuda Aquia Hydrating Body Lotion & Gel for waterlovers is a refreshing, light, quick absorbing lotion that replenishes the natural moisture in the skin. This unique lotion was specially formulated by swimmers for swimmers to help counteract damage to skin caused by repeated exposure to chlorine, hard water, wind or sun. Luxuriant texture applies smoothly with a fresh scent. Barracuda Aquia Hydrating Body Gel also replenishes skin's moisture lost to chemicals, wind, or sun. Try Aquia's Shampoo for swimmers to restore damaged hair exposed to chlorine, salt, sun and wind. Lotion Price: US\$8.50 Gel & Shampoo Price: US\$7.00 each www.trivillage.com



Dr Andrew Weil for Origins™ Plantidote™ Mega-Mushroom Face Serum optimizes the skin's defenses against aging, skin sensitivity, extreme dryness, redness, hyperpigmentation, lines, wrinkles, puffiness and flushing due to inflammation, which Dr. Weil calls "the fire within," who believes it to be the cause of several seemingly unrelated conditions. This serum contains a unique blend of some effective natural substances including Hypsizygus ulmarius, Cordyceps and Reishi mushrooms, Ginger, Turmeric, Holy Basil, Resveratrol and Argan Nut Oil. Plantidote™ Mega-Mushroom Face Cream with Hypsizygus ulmarius and Chaga mushrooms helps to quiet and calm the skin immediately by mimicing a process that sends Narcissus Lily Bulbs into dormancy as a means of "self-protection". Menyanthus and Heather extracts keep skin firm; Fucoidan from Okinawan seaweed discourages moisture loss; Vitamins C and E defend against destructive oxidation. www.origins.com




KINESYS Sunscreen Spray with Parsol® 1789 is a fast drying oil free, alcohol free, PABA-free, water and sweat resistant, hypoallergenic and non-comedogenic SPF 30 microspray—no rubbing of tender skin! Has broad spectrum UVA/UVB protection. Mango scented. Perfect for sports. Sprays on wet and dries in 2-3 minutes leaving no residue to affect grip. Price: US\$5.00-16.00 www.kinesys.com



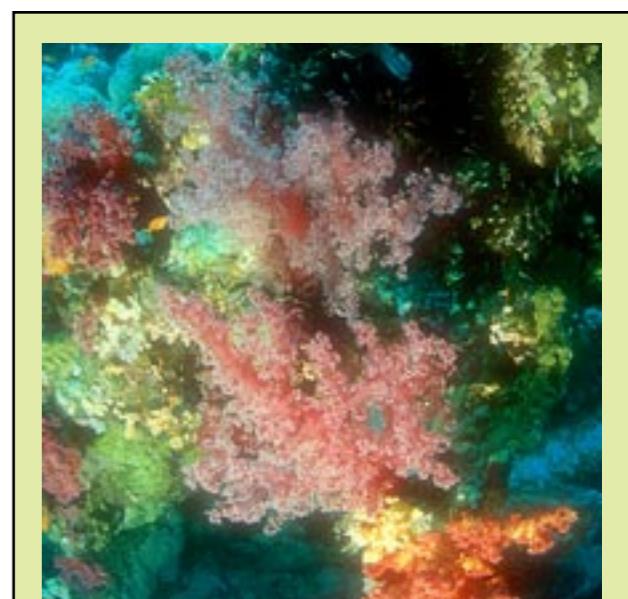
SKINCEUTICALS Sport UV Defense SPF 45 is for people with active lifestyles. A true broad-spectrum waterproof and sweatproof sunblock, it delivers maximum protection during high-energy activities. Contains transparent zinc oxide and other active sunscreens to help protect against damaging UVA rays that cause premature aging of the skin. To reduce the chances of irritation, ingredients are encapsulated in dimethicone to provide increased SPF with fewer chemicals. www.skinceuticals.com

WET DREAMS ZinClear Natural Sunscreen was formulated in Australia where clear cloudless summer days and a mostly unpolluted atmosphere means that more ultra

violet radiation reaches humans more so than any other country, leading to the highest occurrence of skin cancer per capita in the world. Skin damage occurring in youth has been found



to be a critical factor in the development of melanomas later according to experts. Therefore, the use of sunscreens is paramount. Wet Dreams All Natural Sunscreen relies upon the natural ingredient, zinc oxide to make up a sun shield. ZinClear zinc oxide works by reflecting UV light while allowing visible light to pass through the skin (unlike most synthetic chemical actives) thereby limiting the need for multiple active ingredients and reducing the chance of malignant melanomas. Contains only natural or nature identical ingredients. Great for sensitive skin. www.wetdreams.com.au



IS SUNSCREEN DAMAGING TO CORAL REEFS? While chemical and pesticide runoff is known to degrade the coral reefs, it is not known what impact the sunscreen humans wear in the ocean has on corals and reef ecology. To be safe, wear a wetsuit and use sunscreen on exposed skin only, thereby limiting the amount of chemicals sloughed off of our bodies on our dives, which may negatively affect the corals we so enjoy.

ANTHONY LOGISTICS After Sun Soothing Cream for Men Allergy Tested. Fragrance-Free. Aloe enriched body moisturizer soothes, cools and conditions the skin. Takes the heat out and preserves the tan. Anti-inflammatory ingredients with calming and soothing properties for men's skin includes glycerin to hold and retain moisture and help bind moisture to the skin; squalene derived from wheat germ softens and lubricates the skin; aloe vera soothes, moisturizes, calms, promotes healing and helps to restore the natural pH level to skin; grapefruit oil, a natural astringent, soothes and revives; Mandarin lessens scarring and stretch marks and tones the skin; azulene derived from German chamomile is an anti-inflammatory that calms and soothes the skin is also a natural astringent with antibacterial and anti-inflammatory properties; mint and orange refreshes, sluggish, congested skin. www.anthony.com

DO CORALS NEED PROTECTION FROM THE SUN? Yes, and according to Australian Institute of Marine Science (AIMS), they have their own natural sunscreen provided by an amino acid (MMA). Current research is developing a natural sunscreen for humans based on the substance that provide protection for corals. For more information, see: www.aims.org.au



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Hair Care & Accessories



Got Long Hair?

The Action and Water Sports Hair Glove® line is the first-ever hair accessory designed for us long-haired water and action sports enthusiasts. The "Extreme" Hair Glove® line is water resistant and prevents tangling and knotting even under the waves. Protects hair from sand, salt, wind, dirt and other "elements" while still stylin' in appearance. Wear it with wet suits, dry suits or jeans. Exclusive patented built-in Flex-Hook™ keeps hair stationary, tangle free and neat all day. Perfect when the look is as important as the function. www.hairglove.com



Biodegradable Shampoo

Sprint Shampoo and Body Bath cleans and removes all chemicals found in water using a special PH balanced formula containing a conditioner and skin moisturizers which help restore hair and skin to a healthy condition after water sports activities. Low suds shampoo is easy to apply and rinse out. Safe for the environment because its 100% Biodegradable. Only small amounts necessary for effective use. Bottle is 8 oz. in size. Price: US\$ 5.49 www.sprintaquatics.com or www.swimsuitsforall.com



JASON Natural Shampoo & Conditioner for Water Lovers

Swimmers & Sports™ Rejuvenating Shampoo and Revitalizing Conditioner for aquatic sports enthusiasts contains no lauryl/laureth sulfates and are fortified with Panthenol, Aloe Vera and Vitamins A, C & E and Sea Kelp. A mild shampoo, it helps keep hair soft while stopping damage to hair and scalp due to chemicals, chlorine, minerals, salt and sweat. Hair loses its shine when it is exposed to the sun, and the water from chlorinated pools, hot tubs, health spas and the ocean, becoming brittle, dull, dry, unmanageable and prone to breakage. Sea kelp extract in the conditioner softens, hydrates and plumps up each hair shaft to give hair flexibility, fullness, bounce and shine, while a vegetal protein complex and vitamins protect, repair and reinforce hair fiber. UV protection is provided by natural sunscreens. www.jason-natural.com



Apivita Propoline Sports Shampoo for Hair and Body is a product for both body and hair, especially for after water sports. Offers anti-mycosis and anti-oxidant protection to the skin and protects from sweat and chlorine. Ingredients include extracts of echinacea, citrus, grape seed, tea tree, wheat proteins and panthenol, which all work to boost the skin's natural defense. 8.5 oz. Price: US\$14.50. beautyexclusive.com



Salt Removal with Peppermint & Eucalyptus The Training Zone Sports Hair and Body Shampoo is a revitalizing shampoo and body wash that even removes chlorine and salt while giving your scalp a little kick of tingling eucalyptus and peppermint oils. www.tzsports.com



PURE ESSENTIAL™ Hair Care

Pure plant essential extracts of natural chamomile, bergamot, rosemary, ivy, nettle, yucca, lavender, cherry bark, myrrh and other extracts gently replenish natural oils, leaving your hair shiny, soft and manageable, without synthetic oils. Aromatherapeutic natural fragrances invigorate, calm, relax or soothe. Whole wheat and soy proteins repair split ends and moisturize dry, over-brushed, permed, blow-dried or environmentally damaged hair. pH balanced from 5.0 to 6.0. No artificial colours, parabens, formaldehyde, toxins, petroleum products, harsh cleansers, carcinogens, drying-soaps, animal testing or ingredients. Visit: www.earthessentials.com



DO WEAR Bandana & Stubby No-Tie for Ladies and Gents

The Wickie Wear Tie-Back is the high tech bandana for active women. It has a tie back design for a custom fit with a built in pony tail keeper, DriSmart moisture wicking shell, Transpor dry layer sweatband, CoolMax/Lycra stretch band in back for fit and comfort. One size fits all. Lots of cool colors, patterns and fabrics. The Polar SweatVac Cold Weather Cap (shown in green) has a DriSmart™ shell with Transpor™ liner and thin windproof ear panels. Extremely comfortable under-the-helmet or hood sweat management tool with sleek 'Stubby' tail. Doesn't itch and dries four times faster than cotton. UPF 40+ protection. Machine Washable. Price: US\$16.95-24.95 www.dowrap.com



PhysiClean Sports Shampoo is created for the active body and promote healthy hair. The mild formula is enhanced with lavender, clove, rosemary and eucalyptus. Offers key vitamins, proteins and minerals to further ensure renewed vitality in a healthy scalp and skin. Cleanses hair from oils and impurities. PhysiClean offers the first high end Spa quality line of personal care products specifically designed for active bodies. www.physiclean.com

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**Extreme Cold
Sun/Wind Burn
Insect Bites & Jellyfish Stings**



Safe Sea Jellyfish Sting Protection

Protection lotion for kids and adults has SPF 30+ sun protection. No more fear of dangerous and painful jellyfish stings to keep you out of the sea!

Nidaria Technology Ltd created Safe Sea Jellyfish Sting Protection to solve this problem. A breakthrough in protection gels against the stings of jellyfish, sea nettles and sea lice, it protects you from the sting and pain you might get if you bump into one of these sea creatures. It's completely waterproof, making it perfect for scuba divers, ocean swimmers and sunbathers. Price: US\$9.88 for a 4 oz bottle or four bottles for US\$30.00 www.divesports.com



Jurlique

Day Care Face Cream from Australia provides maximum hydration and protection in extreme climatic conditions on dry and hot, cold and windy days. Free of mineral oil and petroleum jelly, it is ideal for babies. Made with plant ingredients such as, Calendula, Chamomile, Daisy, Marshmallow, Rose, Viola, Green Tea, Grape Seed, Turmeric, Shea Butter, Hydrolyzed Soy Protein, Vitamin C, Vitamin A, Bitter Orange Oil, Rose essential oil and Vitamin E, it soothes dry skin of the face and neck. All natural and herbal antioxidants, vitamins and ingredients are grown organically and biodynamically on the Jurlique Herb Farms in South Australia. No fragrance, artificial colors, petrochemical or coal tar ingredients. Not animal testing or contents. 1.4 oz/40ml. jurlique.com.au



BRAVE SOLDIER Friction Zone

Endurance sports formula is a superior anti-chafing, cold water and sweat resistant occlusive silicone/botanical barrier, which protects and conditions skin for hours. Help to prevent blisters and reduce rash irritations. Contains no petrolatum, so it's safe for wet suits. Long lasting protection from any sports activity where gear chafing of your skin is a problem, while the antibacterial formula helps prevent minor skin irritations. Price: US\$16.00

Maximum Lip & Nose Protection

Protection crystal clear non-sticky formula soothes, heals, moisturizes, protects and hydrates tender lips. Prevents chapping, sunburn, wind-burn, leaving lips kissably soft. Prevents trans-epidermal water loss. Forms a long-lasting film protective. Ingredients include Vitamin A, C, E, Shea Butter, Jojoba Oil, Macadamia Nut oil, Aloe Oil, Natural Citrus Flavor. Price \$8.00 .33 oz www.bravesoldier.com



SKYN Iceland Arctic Face Mist relieves irritation, itchiness and inflammation due to stress-related histamines, instantly soothing and stabilizing irritable skin with a cooling burst of mineral water improving tone and texture dramatically. Vital minerals and nutrients help boost and energize skin for a healthy, radiant glow. Ingredients include yeast extract which soothes and helps calm inflamed skin; a Triple "T" blend of white, yellow and green teas for super anti-oxidant power; Chapparral extract to refine skin texture and enhance radiance; White Willow Bark to soothe irritation and help provide antibacterial protection. It is a natural skin-soothing analgesic.

www.skyniceland.com

Icelandic Relief Eye Cream provides immediate relief to the delicate skin under the eye, erasing deeper lines, puffiness and darker circles due to stress-related nutrient and oxygen depletion.

Contains rice peptides to minimize wrinkles; Vitamin K to increase circulation and lighten dark circles; Mandarin Peel to reduce puffiness; Icelandic Kelp to revitalize and fight inflammation; and cotton powder to fill fine lines and act as an optical diffuser. www.skyniceland.com



After Sting Gel Tender Corporation's new Jelly Fish sting treatment provides immediate, effective relief. After Sting Gel stops the painful burning, itching and swelling of stings and bites and begins the healing process. The sooner you apply After Sting Gel after being stung, the sooner you will get relief. For adults and children two years or older After Sting Gel is the only sting relief product to contain Baking Soda. Price: US\$12.00 www.tendercorp.com



Dry Chapped Hands?

Mode De Vie Shea Butter hand cream is an intensive treatment for dry chapped hands exposed to the harshest conditions forming a shield to protect your skin against water, wind, sun and extreme cold. This cream contains an ideal blend of rich emollients and shea butter, which is easily absorbed completely and acts as a barrier against moisture loss for softer hands. It moisturizes, rehydrates and protects with a hint of lavender. Price: 4 floz USD\$ 17.00, CAD\$ 19.75 www.modedevice.com



Old Faithful: Vaseline Petroleum Jelly

Diving in the Arctic? Protect your face from the extreme cold with a layer of Vaseline Petroleum Jelly, a staple in medicine cabinets since 1870. Extreme divers in Scandinavia have used this well-known product for decades. Protects skin from wind burn and chapping. Offers soothing protection for minor burns. Contains no colours, fragrances or irritants. Hypo-allergenic and non-comedogenic. Find it at your local grocery store or pharmacy.



cosmetics

Pamper yourself
with sea spa
treatments

From Down Under

Australian Organics understands the fundamental technical aspects of hair and scalp nutrition and treatments. They say, when the overlapping scales of hair shafts are sealed, the hair shaft appears smooth and shiny, so they try for better looking hair by promoting smoothness of the hair shaft from root to tip by careful cleansing of the roots and correct conditioning, moisturizing and sealing of the hair itself. According to these Aussies, hair is made up of about 97% protein and 3% water, and hair is a lot more fragile when wet, so gentle cleansers are necessary to avoid breakage and damage to hair shafts. Their products contain no Sodium Lauryl Sulphates, but include beneficial plant proteins and extracts such as water soluable Almond Glycerides—powerful humectants that moisturize, silken and improve manageability—Horsechestnut Extract to improve blood circulation to the scalp and Provitamins. www.australianorganics.net



Fun Suds for Kids

Drawing in the Bath Budding young artists will love taking a bath with Crayola Bath Gel Pens. It's the fun, creative way to get clean! Kids will surely enjoy bath time with these nifty bath gel pens designed like Crayola crayons. Set includes Crayola

Coloring Terry Washcloths with fun pictures for children to color, lather up and get sparkling clean. Kids can also draw or write on their own bodies! For ages 3 and up. PRICE: US\$10.00 www.h2oplus.com



H2O Sea Mineral Mud Mask

Their best selling mask! Kaolin clay naturally draws pore-clogging oil and dirt from the skin while sea fennel and aloe vera gel help hydrate and act as anti-inflammatory agents. Sea extracts of neptune kelp, dulse and gigartina help reduce the production of excess oil, and soothing allantoin helps stimulate cell renewal. Other ingredients include Eyebright Extract, Panthenol/ Provitamin B, Sea Fennel, Wakame, Witch Hazel, Sea Lettuce, Birch Bark Extract, Kaolin, Oyster Shell Extract, Vitamin E, Montmorillonite Clay. 3.5 fl oz, 104 mL. PRICE US\$25.00 www.h2oplus.com



H2O Sea Plankton Restructuring

Spa Shampoo and Conditioner are formulated to strengthen and protect stressed and overexposed hair. Contains Aloe Vera, Vitamin E, Provitamin B, Sea Plankton and Algae Extract, all ofwhich protect hair color from becoming dull and flat from exposure to environmental elements. H2O's high-intensity conditioner nourishes and increases flexibility of fragile or damaged hair without weighing it down and provides maximum moisturization by delivering conditioning and smoothing agents while rebuilding the hair shaft, making the hair shine. 8 fl oz or 251 mL PRICE: US\$14.00 www.h2oplus.com



H2O Sea Marine Mini Spa Everything a traveling diver with a penchant for pampering needs for a spa experience on the go. Five nourishing, sea-derived treatments for the body and hair come in convenient travel sizes. Set includes one fluid ounce each of Sea Salt Body Wash, Sea Marine Body Scrub, Hydrating Body Butter,

Sea Marine Revitalizing Shampoo and Marine Collagen Conditioner. Makes a great gift. PRICE US\$8.75. Regularly \$12.50; now only \$8.75! www.h2oplus.com



who treated him at her clinic in Jakarta. Using various botanicals, Lagita's magic worked and brought Ole's complexion back to a healthy glow. This piqued Ole's interest in skin care, which led him to pursue degrees in skin care and cosmetic chemistry in London before making the leap over to the United States where he continues to do skin care magic for celebrities and all who seek his wonderous treatments. www.olehenriksen.com



For Active Men

American Crew Sport Tea Tree Shampoo is a sahmpoo and conditioner in one with Tea Tree Oil, Panthenol, and soothing Allantonin. Gentle enough to use daily on any type of hair.

Thoroughly cleanses hair and leaves it manageable without build-up. Tea Tree Oil is a natural oil known for its antiseptic properties. Peppermint oil balances, conditions and stimulates the scalp. Allantonin is a natural humectant that helps to promote healthy scalp and hair. American Crew Sport Body Wash is a hardcore shower gel for active men. Peppermint oil and Ginseng extract help refresh the body while Tea Tree deodorizes and cleanses without stripping essential skin moisture. Vitamins A & E, containing essential anti-oxidents, also help improve the texture, feel and firmness of skin. 200ml. Price: GB£6.95 [US\$12.23] www.blushingbuyer.co.uk

cosmetics

*Marine
Cosmetics
from the Sea*



MODE DE VIE

Loofa soap combines Shea butter and red algae floridæ, which swells a little when wet, so the soap becomes slightly rough to the touch resulting in a pleasant massaging effect. The exfoliating and cleansing action helps stimulate circulation and soften the skin while removing dead cells. Seamud soap is made with Shea butter and marine clays collected around the Chausey Islands in Mount Saint Michel Bay in France. The clay is full of trace minerals such as mag-

nesium, zinc, iron and sulfur. So, while the soap removes dead skin cells, it also deep cleans and softens the skin naturally.

Price: \$13.50 each
www.modedevie.com

Seamud Hair Mask is a shampoo and conditioner in one. It is also made with marine clay from Mount St Michel Bay, which also provides vitamins and oligo elements to restore the coat of your hair, giving body and brilliance as well as strength to fine hair. Price: US\$6.15
www.modedevie.com

ALGOTHERM Power of Seaweed

Eyes Relax Fresh Mask combines active ingredients from marine and plant including red algae, cornflower and bitter orange extract to moisturize, tone and soothe the eye area. Eyes Target Gel is specifically formulated to help tired eyes by soothing, decongesting, and moisturizing the entire eye area. The active seaweed ingredient in both products is *Chondrus crispus*. Algotherm Seaweed Salts are combined with Laminaria seaweed. They dissolve quickly in water to release trace elements and mineral salts which provide fundamental elements necessary for fitness. The active seaweed ingredient in this product is *Laminaria digitata*. www.algotherm.co.uk



**SKIN & SEA:
AN AMAZING SIMILARITY**
The human race originated as marine animals. The first living cells were formed in the sea and we have maintained a special link with this environment: blood plasma and seawater have very similar compositions and the protective membranes of seaweed and of our skin possess similar defence, protection and regeneration mechanisms.

—Phytomer Laboratories



PHYTOMER has developed products for exfoliating and cleansing treatments to give you soft, clean, revitalized skin. The marine ingredients start to gently work from the first daily application www.phytomer.com



Dead Sea Skin Care AHAVA Since ancient times, the health benefits of minerals from the Dead Sea have been used to aid beauty and well-being. King Solomon and Empress Cleopatra were supplied with Dead Sea beauty compounds, the craft of which was lost until descendants of the early apothecaries resurrected their knowledge. Now you can enjoy the all-natural skin care products made with sea water from the Dead Sea, which holds ten times the amount of minerals as ordinary sea water. Minerals such as magnesium, calcium, bromides and potassium elements necessary for glowing skin. Ahava's Hand Cream for Men is a mud-infused high performance Dead Sea Mineral enriched cream for rough and damaged hands, which absorbs quickly to treat dryness and cracking. www.Ahavaus.com



ALGAE & SEAWEEDS IN COSMETICS
According to experts, cosmetic formulae have long used the polysaccharides derived from algae. Algae polysaccharide derivatives are valued for their high gelling, bonding and viscosity-increasing properties. But, recent studies have shown other strong active properties of algae and seaweeds:

* Algae of the *Laminaria* genus are famous for their powerful sebum-regulating properties.

* *Chondrus crispus*, commonly known as Irish or carrageen moss, is a source of carrageenan (sulfated polysaccharide) and also acts on sebaceous functions.

* *Rhodymenia palmate* (dulse) is a red seaweed that grows on stone at the low tide line in the Northwest Pacific and North Atlantic oceans. It is a good source of vitamins and also has anti-sudorific actions, which can be successfully used in the development of anti-perspirant products.

* *Ulva lactuca* (sea lettuce) has some anti-inflammatory and antioxidant properties. May also stimulate the production of elastin and collagen.

Source: Beauty-On-Line.com

White Algae OSEA Skin Care was developed for sensitive or dry skin including rosacea. This high tech all natural treatment mask provides multiple benefits including deep hydration while visibly tightening and lifting, soothes and calms irritated skin and evens out skin tones. Contains calcium rich White Algae, Copper, Manganese and Zinc Peptides, White Wine Extract and White Tea, which help bring about healthy skin. Price: US\$48.00

Red Algae OSEA mask is not like traditional clay-based "purifying" masks that dry out the skin, Red Algae Mask maximizes the rich vitamins, minerals, enzymes, amino acids and trace elements of Red Algae, potent with a various antioxidants to purify pores and help heal breakouts. At the same time, Red Algae Mask employs the properties of Red Wine polyphenols, herbal extracts and a phosphoric diester of Vitamins E and C to condition, hydrate and nourish the skin during treatment. Price: US\$ 36.00 www.oseaskin.com

Ghost Ships

of Palau

The Lost Japanese Wrecks



Text and photos by Ethan Daniels

Hidden beneath the serene waters of Palau's lagoon lie dozens of coral encrusted Japanese ships. These long lost hulks were all sent to their final resting places during a devastating American air strike over 59 years ago and have since gained notoriety as some of the world's most alluring ghost-filled vessels.

Before dawn on March 30, 1944 Operation Desecrate One began as the American Carrier group, Task Force 58, sent an endless stream of airborne sorties over the Japanese fleet anchored in the complex maze of Palau's Rock Islands. The unrelenting bombing and strafing that continued through March 31st annihilated the unprepared Japanese defenses and destroyed over 50 ships and countless planes, the remnants of one of the

Divers float in eerie suspension around the silhouette of a Japanese tanker

World War II gas mask

most powerful navies in the world at the time.

As a whole, the sunken fleet in Palau is certainly one of the world's most unique sets of ships due to their history, accessibility, and diversity. Over a dozen world-class wrecks lie either in or within minutes of Malakal Harbor, Palau's main port. From small ships like the astonishingly colorful Buoy 6 wreck to the 150 m long Amatsu Maru the fleet contained a wide variety of naval and merchant ships, few of which survived the violence of Desecrate One.



Over half a century later, most of these wrecks still remain as seawater and encrusting organisms slowly deteriorate the battered ships. The dead fleet now serves as a series of artificial reefs throughout the shallow lagoon, collecting an entirely different set of fish and invertebrates than what are found on Palau's biggest attraction, the dropoffs of the barrier reef. Most people know of Palau as having some of the most consistent shark dives in the world like Blue Corner, New Dropoff, and Peleliu Cut. The shear walls and reef

INSERT: Ammunition shells from Japanese warplanes



feature



plateaus that jut out into the Philippine Sea generate incredible currents, which in turn support an incredibly complex reef ecosystem that includes some of the highest marine diversity in the world. Corals, gorgonians, sponges, and an endless variety of reef fishes seem to be everywhere.

The attraction of exploring rusty historical ships is quite different from sightseeing on colorful reefs, though Palau's sunken fleet does blend into the natural seascape as if they were meant to be part of the ecosystem. Each of the wrecks is completely covered with life, from black corals and gorgonians, to Giant clams, Cock's comb oysters, and assortment of inner lagoon fishes never seen along the barrier reef. When descending on Palau's

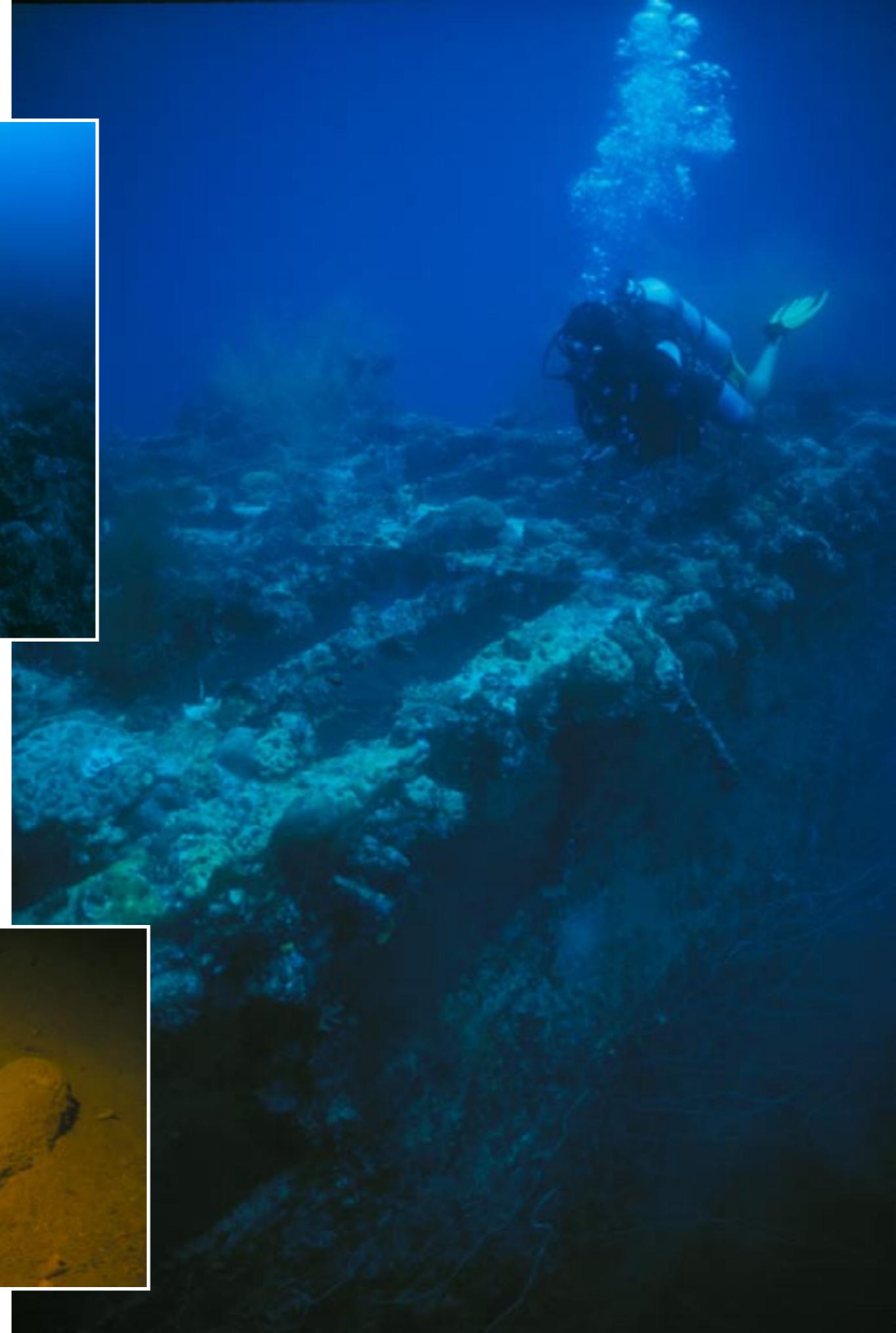


ABOVE: Japanese warplane
LEFT: Shells and gas mask of the Helmet wreck, Palau

phantom-like wrecks visions of Japanese wraiths enter one's mind. Moving deeper, a large, indistinct shadow below becomes visible and causes the spine to tingle in suspense. Drifting deeper still, the dark blue shadow begins to gain detail and the ship, which went down in action, slowly comes into focus, manifesting itself out of the gloom. Overgrown equipment and wreckage litter the decks and are now lairs for reef fish of every hue, crabs, octopus, and other creatures. Several wrecks are even home territory to Spotted eagle rays.

A number of the vessels are lying upright which allows fantastic views of their decks from above. The Iro, the Chuyo Maru, the Amatsu Maru, and the Ryuku Maru all went straight down to the silty sea floor with virtually no list. On bright days when the lagoon waters provide excellent visibility these ships are astounding to drop down upon.

The marine life that has grown on the ships' equipment hides the jagged metal and unsightly gear strewn about on the decks. The upright ships are also more safely and easily penetrated as vertigo doesn't seem to be as much of a problem. As most of these ships carried cargo or oil they have kingposts



INSET: Haunting remains of the fallen
RIGHT: Diver investigates the shipwreck

Japanese Wrecks

feature



Japanese Wrecks

The sculptural forms of a coral garden



Tail end of a dugong

and masts that still reach far above the decks toward the surface and make ascending both enjoyable and interesting.

Several planes that were shot down in Palau's lagoon during the war are also excellent dives. In particular the Jake seaplane, a Japanese Navy Reconnaissance Floatplane shot down in 15 meters of water, is one of the most aesthetic. The entire plane sits upright on a shallow, coral laden patch reef near Koror. Sunlight plays off the clean aluminum that has

resisted the attempts of most encrusting marine organisms, allowing a clear view of the plane from the surface. Another complete plane, a Zeke or Navy Carrier Fighter, lies upside down on a white sand bottom in 20 meters of water. One of the 20 mm machine guns mounted in one of the wings now has a flower-like tube worm flourishing out of the barrel, a definite sign that war is gone, but not forgotten.

The wrecks littering the lagoon bottom are not the only remind-

Wreck of Zeke (Navy Carrier Flighter)

Dugong and diver share sun rays



feature



Japanese Wrecks

er of the violent and brutal fighting that occurred in Palau. Between September and November of 1944, almost 13,000 men were killed on Peleliu, one of the southern most islands in the archipelago, during one of the bloodiest battles of the Pacific campaign. Caves that pock the rough limestone island still contain human remains and equipment as the jungle slowly covers scars that are long to heal. Burned out Japanese and American tanks, some with foliage growing out of them, are still evident along the coral roadsides and bullet riddled buildings serve as sentries from an age gone by.

Long forgotten pill boxes, some with guns and equipment still remaining, are hidden all over the archipelago, including the exquisite Rock Islands. Just a few years ago a Palauan hunting birds in the Rock Islands discovered a Japanese bomber that had been shot down. The pilot, whose remains have since been repatriated to Japan, was still strapped into the cockpit. The thick foliage that covers the limestone islands had kept this secret for almost 60 years.

The fabled islands of Palau still bare secrets, many of which will never be learned by man. This is an important dimension and part of the mystique of these isolated islands. Ghosts, long undisturbed, both above and below the water, continue to await the adventurer.

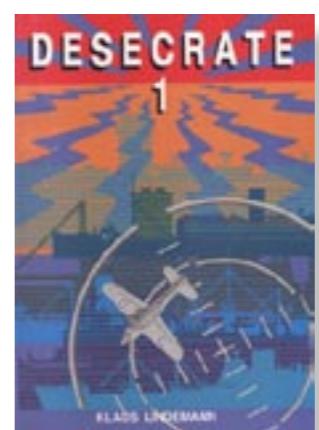
Interested in learning more details about the WWII wrecks in Palau and Truk (Chuuk)? Check these books out, as both of these authors have done extensive research on all of the known, and still to be found, wrecks in these areas. ■

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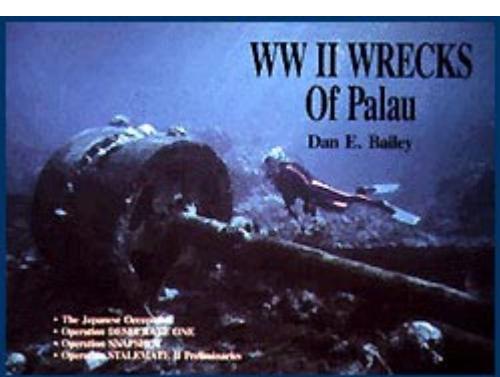
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Tasselled Wobbegong

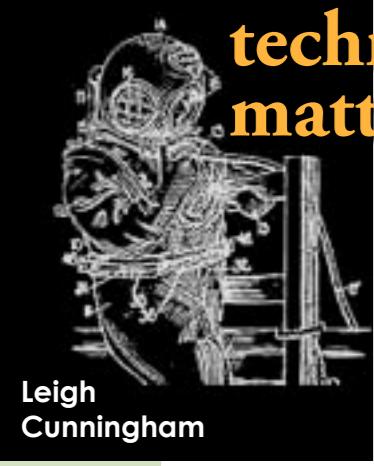


www.aquaquest.com



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ABOVE:
Diver and
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Leigh
Cunningham

technical matters

Confessions of a deep diver

The Wake Up Call

Confessions of a Deep Diver



A long time ago, I sat in hoosha (Bedouin tent) after a deep air dive in the Blue Hole (Dahab, South Sinai, Red Sea). My good friend and dive buddy had less than an hour ago peeled me off the wall near the bottom of the Blue Hole. I had succumbed to deep water blackout, caused by a high degree of stupidity, wrong kit and inadequate training.

I now had to make one of two choices, which I should have made sooner: Give up diving all together, or invest in appropriate



training and equipment for the type of dives I was planning and trying to conduct. Spectacular deep sites is what does it for me, staying shallow was not an option - and neither was dying.

60 meter dives offered

At the time I worked in a small concrete and wooden hut with a compressor in one corner and some miscellaneous well worn dive gear in another. The hut is still there today, in the same place, around 5 km south of the Blue Hole at a dive site called the Canyon. The hut is called a dive center, which at the time was quite a novel feature in the area. The order of the day was guiding groups of certified divers around local dive sites, the most popular ones being the infamous Blue Hole and Canyon. Dive guides would even offer, under the counter, recreational guided dives through the Blue Hole's Arch which is at a depth of 60 meters. I can say, hand on heart; I did not take part in this.

No role models

Back then technical diving and training and facilities for such were as common as igloos and Eskimos in the Sinai. Things have changed quite a lot since - in the last 10 years or so - and fortu-

nately very much for the better, both from a diver training, safety, good role models and decent food point of view.

So back in the 'good old days', independent aluminum tanks were strapped together with extra long cam bands, a-clamp first stages were mounted with enough second stages to decorate a medium sized Christmas tree, BCD's seemed to have more holes than a slab of Swiss cheese and had inadequate lift for the job even without the holes, not to mention appropriate training that was seriously lacking. Having all of the above qualified you as a technical diver at the time.

My lame excuse

To be honest, I have to admit that it took a few near death experiences (rock climbing in the blue hole being the last) to give me the wake up call I needed. In my defense I can only say that good role models did not exist then as they do now. I consider this to be a very lame excuse for being well out of my depth, but it's the only one I have.

Relying on luck

Tragically the Blue hole have since become a sunken graveyard, giving it the undeserved reputation it has today. Much the

same goes for many other deep or particularly technical dive sites around the world which has been labeled "dangerous". There is not a dive site in the world that's dangerous - people are dangerous. I'm living proof of that. I survived the earlier stages of my diving career due to one reason - "luck". Tragically many divers were not as lucky as me.

Changes for the better

In the modern day of diving with a lot of training, experience a good few thousand dives and a couple of scuba records under my belt, I now like to be the role model for others, in a manner that didn't exist back then.

In the Sinai the technical diving community has now come full circle. Where it didn't exist 10 years ago, now everyone and their mother seem to be a Technical diving Instructor at one level or another.

The fact of the matter is technical instructors and technical training and facilities are a necessity in an area where there happens to be awesome dive sites in deep water. The reduction of numbers of deep diving accidents now, as compared to 10 years ago, speaks for itself.

It's your own decision

Ultimately individuals need to decide for themselves if the type of diving they do is beyond the realms of the type of training they've had, and if they want to do something about it. Experience counts for a lot, but it doesn't replace training.

After basic scuba training (OWD and AOWD) divers have a licence to conduct non-stop dives (no deco) to a max depth of 40 meters, in the type of environment they were trained in. With experience, and a level head, divers could gradually progress safely to harsher environments (colder, darker, surge and swell, surf entry and exits and so on).

Why not stay shallow?

For the large majority of divers pushing beyond 40 meters or exceeding the NDL*, would never be a consideration. Talking from experience, in most tropical reef environments the vibrancy of the reef and volume of tropical fish in the first 30 meters is breathtaking.

And this is a very good reason for some to stay shallow.

NDL: NO DECOMPRESSION LIMIT

I survived the earlier stages of my diving career due to one reason - "luck".



Confessions of a deep diver



ADAM BUTLER

*I now had to make one of two choices, which I should have made sooner:
Give up diving all together, or invest in appropriate training and equipment for the type of dives I was planning and trying to conduct.*

Due to this and the fact that NDL's between 30-40 meters rapidly becomes quite short and gas consumption increase proportionally with depth, most recreational divers in tropical reef environments stay on the shallower side of 30 meters.

In this case there is no need for technical (Advanced Nitrox, Extended Range, Mixed gases) training. Having said that I firmly believe that all divers during entry level training should be trained and certified at least in the use of Basic Nitrox mixtures, giving all divers the skill and knowledge to utilize the optimum mix for specific depths if they so desire. Basic Nitrox is not technical diving but air will become a gas of the past for recreational divers in the future.

Definitions

The big question is "where do we draw the line between recreational and technical diving in open water?"

Training agencies have a general definition: A NDL dive to a maximum 40 meter is categorized as a "Recreational dive". Anything beyond 40 meters or exceeding the NDL, or a combination of both, is categorized as a "Technical Dive".

But while the answer from a training agency's standpoint is quite clear, it seems to be less clear from the diver's point of view.

A story all too common

I was recently made aware of a true story about a group of 10 certified divers on a day diving trip to the SS Thistlegorm (which is a very nice World War 2 wreck in the Gulf of Suez, off the Sinai peninsula resting at 32 meters); the story is all too common.

All divers had varying degrees of certification, from AOW to Open Water Instructors but none of the group had technical training of any sort. On the second (and last dive) of the day, the group entered the water for a 25 meter repetitive dive. This followed an hour's surface interval after a first dive to 30 meters. All divers exited the water after a 30-50 minute dive time and after completing between 5 and 25 minutes of decompression stops – with most of the group having 15 minutes or more. According to training agency definitions, all ten divers carried out a "technical dive" but none had technical training at any level.

Responsibility

In my opinion a small degree of responsibility falls on the dive guide who should have encouraged the divers to leave the bottom and initiate the ascent before clocking up required decompression stops. The higher degree of responsibility falls on the individual diver to initiate the ascent before



stops are required. What's acceptable before decompression diver training is required? Is it 5, 10, 15, 20 minutes of deco - or more? "The line is not so clear", seem to be the individual's view.

Take more training

For what its worth, I would advise all divers planning dives below 30 meters or making dives that require decompression stops, regardless of the duration, to at least take the first step on the technical ladder, advanced nitrox.

The line needs to be drawn somewhere, the harder you push, the bigger the bite in the arse! If you have arrived at the point where you think you might be exceeding your level of training, then you are.

Looking at the bigger picture, technical training will give you no guarantees in itself, but it will dramatically increase the likelihood of coming back. ■

QUIZ 1 — WIN GA-O2 CHECK OXYGEN ANALYZER FROM TDL

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To win one, send in your answers to Leigh's three quiz-questions

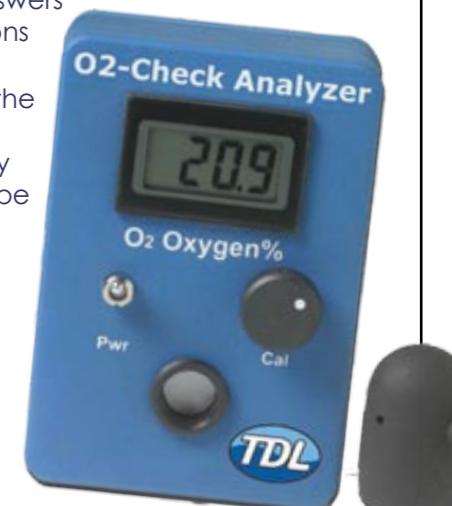
Leigh@xray-mag.com

by July 20 to participate in the draw for one GA-02 Check Oxygen Analyzer generously sponsored by TDL. Prize will be shipped directly from TDL.

Questions relate to Basic Nitrox diving and planning Editor's decision is final.



Tech Diving Limited



Leigh Cunningham is the technical manager and TDI Instructor Trainer for Ocean College, Sharm El Sheikh.

Probably best known for his records - Leigh once held the record for the deepest dive in the Red Sea, and is the cur-

rent holder of the record for deepest wreck dive - and attempts of reaching extreme depths, he also has a wide range of teaching credentials to his curriculum: TDI instructor trainer, DSAT Tech Trimix instructor, PADI MSDT IANTD Technical diver



photography

Edited by Jason Heller
& Daniel Beecham

Travelling with camera equipment Luggage

By Daniel Beecham

Airport photos courtesy of Scandinavian Airlines

In issue #9 we took you through some tips of the trade for selecting a dive operator that will help you properly facilitate your underwater photography. In this issue we'd like to share with you some hints and tips for getting all of your valuable camera equipment to your destination safely, and without incurring costly excess baggage fares.

Many underwater photographers encounter problems when they begin their dive trips. With lots of



heavy equipment that must be transported as well as diving gear and normal clothes, it can become a real challenge getting all your gear to your destination. Checking your camera gear into the hold is often undesirable; baggage handlers are nicknamed 'throwers' for a reason; and the last thing you want to happen is your camera gear to arrive damaged, stopping you from shooting. You can also run the risk of getting charged large sums of money in excess luggage fares.

There are however a few tricks of the trade, and loops in the system you can use to get yourself and all your camera equipment safely without incurring those costly fines.



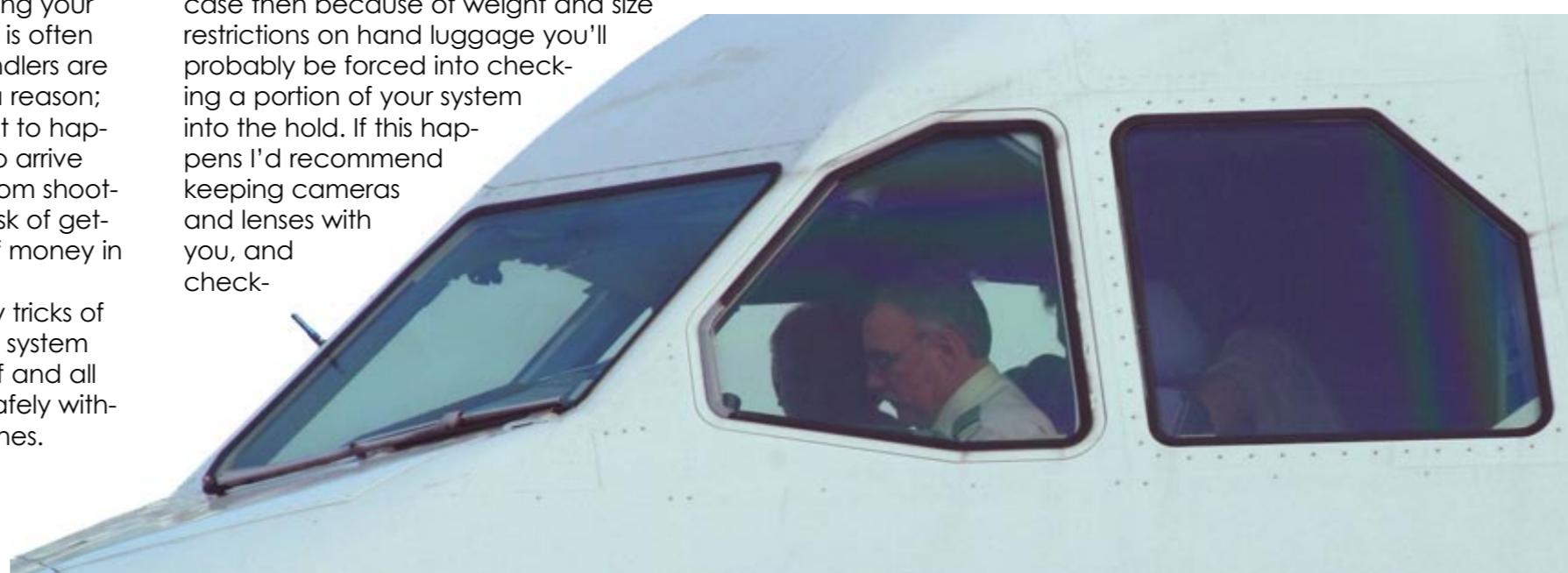
Pelican cases seen at:
www.globalsoundandimage.com



Packing

Everyone has his or her own methods of packing camera equipment, so if your method is working so far, keep going with it. If not, maybe the following methods will be helpful:

Many modern camera systems are so small that they can easily be transported in hand luggage. A comprehensive camera system such as the one pictured, which includes a wide-angle lens and an external flash unit, weighs just a few kilos. This kind of system can be wrapped in a towel or piece of foam and fitted into a small rucksack. Things can get trickier if you're using an SLR or video system, which will generally be a lot bigger and heavier. If this is the case then because of weight and size restrictions on hand luggage you'll probably be forced into checking a portion of your system into the hold. If this happens I'd recommend keeping cameras and lenses with you, and check-





photography

*baggage handlers
are nicknamed
'throwers' for a
reason*

ing housings, flash units and lights into the hold using a reliable brand of hard case, I'd recommend Storm Cases; they're stronger and lighter than most other brands, and they have a great range of sizes, so you'll find something to fit your system nicely without any having wasted space inside the case.

Pack cases with at least an inch to two inches between the exterior of the case and the items inside, and separate each item with a decent layer of foam to stop items knocking against each other. When repacking your box after a dive ensure all your gear is



Rules

Remove o-rings from housings- the change in ambient pressure at altitude can create a vacuum inside an underwater housing, this can be so great that it can be difficult to open the housing when you're back on terra firma. To avoid this simply remove o-rings from the housing and keep them in a self-seal bag inside the housing. This will allow air to flow freely through the housing.

Remove cameras from housings- I would

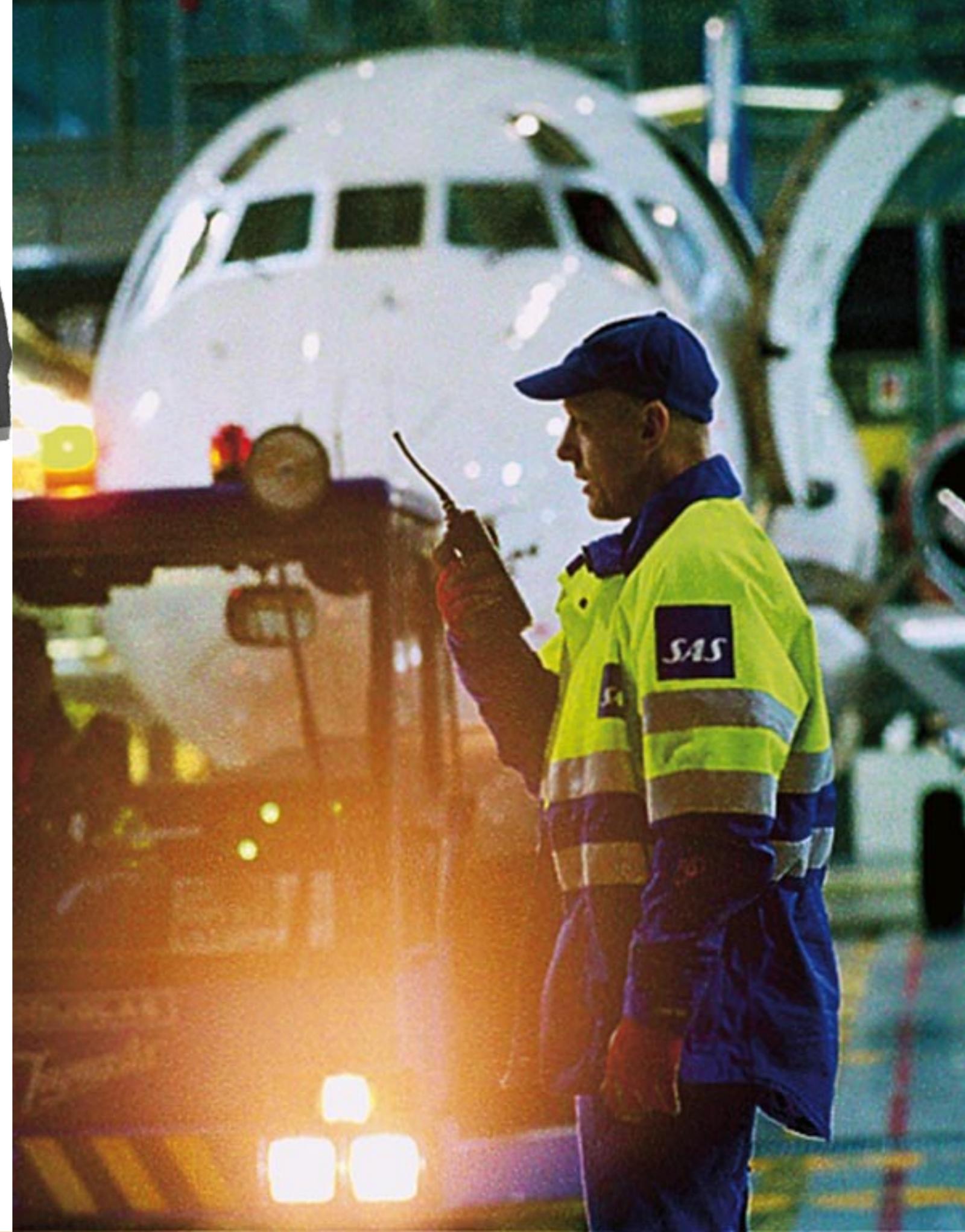
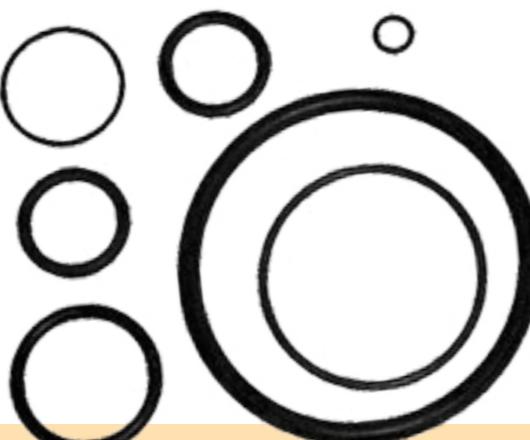


completely dry so that no water gets into the foam. If it does the foam may deteriorate over time. Even if you carefully dry all your gear, water could be stuck inside control shafts or other spaces you can't get to. Because of this it is usually a good idea to treat a box as a dry box or wet box, you obviously don't want to get water onto your cameras or lenses.

There are a few other golden rules that I follow when transporting cameras and housings.

Camera jackets

Photographers often use camera jackets carry bulky equipment when they do not want to use a bag or case. You can use these jackets when you're travelling; they have pockets that are designed for telephoto lenses that are perfect for





photography



large flashguns, and you can fit camera bodies, cables or any other accessories in the other pockets. These jackets can come in handy when you've got equipment that you want to carry with you on the plane, but your carry on bag has gone over the weight allowance; having items on your person is not regarded as excess luggage. The downside is that using camera jackets can be uncomfortable, and they do not protect equipment as well as a case or bag would.

Security

For those travelling from/to/through the US, the TSA has the right to open and inspect any checked luggage, and when your dive or underwater photo equipment goes through the main x-ray machine, you have a fairly high chance that TSA will be selecting your bags for "random inspection". The first step is to put TSA approved locks on your baggage. The security agents can open the

Add a notice

Another tip is adding a laminated notice to security agents, affixed to the inside of each piece of baggage, kindly asking them to be very careful when inspecting your equipment, which is very fragile and needs to be repacked the way it was originally. Make it obvious where everything fits into the case, this way whoever is inspecting your bag SHOULD put it back into the correct place, so it can continue its journey in safety.

Besides the TSA locks, secure the zippers with cable ties. Hand the agents extra cable ties to replace the ones they will need to cut off when inspecting your bags. Locks and cable ties are not a guarantee, but when other bags don't have any security, a thief focused on a quick fix will target other bags. Of course there's nothing that's going to stop a thief

Put TSA approved locks on your baggage. The security agents can open the locks and relock your luggage.

locks and relock your luggage. If you use standard locks and they inspect your bags, they're getting clipped and your baggage continues to its destination with no locks at all.



Avoiding Fines

who's targeting your equipment from stealing it. Recently there have been multiple incidents where underwater photographers travelling through San Juan Puerto Rico were consistently arriving at their final destinations only to find that their underwater photography equipment was missing. Some (probably all) of it was found for sale on e-bay.

Currently we have no update on the situation in the San Juan airport. However, this example of airline security-gone-bad is the exception and not

the rule. Generally speaking, locks and cable ties will help deter thieves who are trying to do their deeds quickly.



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slogans on their bags. Maybe some dive equipment manufacturers would reap the rewards if they did the same...

Luggage going to or from the US has higher limits than other parts of the world. Excess luggage fees come in the form of 'per excess bag' charges. However, do not forget that when travelling between other countries, you will be charged 'per excess lb./kg'. Regardless of the country, your bags will be weighed, and often that includes your carry on.

Just ask...

It sounds obvious, but approaching airline staff in a polite, civil manner may carry you a long way. Smile, joke and laugh with whoever is checking you in, then ask nicely for a few kilos grace, it'll probably work.

Asking in advance

When booking your flight ask for extra baggage allowance, you'll often be in

luck, especially if you're booking a late flight that the airline is trying to sell. Just make sure you get in writing that they've changed the status of your baggage allowance, otherwise you may find yourself in a situation that I've been in where you've packed more equipment than you otherwise would of, and you then get told when checking in that you have less allowance than expected!

Left luggage

This one is a bit sneaky, but it does work...

If you have a piece of luggage that you want to carry onto the plane, but you're worried that you're going to be told it must be checked into the hold, take it to the left luggage counter. After you've checked in simply go and collect it; the airline staff never even knew you had it and you'll be carrying it on with no problems.



Frequent flyer points

Racking up frequent flyer points may make you eligible for special treatment from multiple airlines, including upgrades and additional luggage allowance. Join as many frequent flyer programmes as possible, and take advantage of the special treatment.

Fly business or first class

For most of us it's out of our budgets, but when flying business or first class you're given much more baggage allowance. The additional cost of flying in a better class can be comparable to paying for the excess luggage fines. This means you can carry more equipment with you on

the plane as well as checking more gear into the hold if you want - as well as travelling in style!

Take the time to work out how much the excess luggage fines are going to cost you compared to the additional cost of upgrading.

Fly via the United States

Often when flying via the states passengers are given extra baggage allowance. A sneaky way to take advantage of this is making a part of your ticket a destination in the states, even if you don't intend on going there. Make sure that the ticket you buy is fully refundable, and then once you get home you simply claim the cost of the US portion of the ticket.

Hopefully that's given you a few helpful pointers on how to get yourself and your gear to your destination safely. In the next issue we'll look at ways in which you can set your dive gear to make your time underwater easier and more productive. ■



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Free Underwater Video

DiveFilm Podcast Video, has now become the first podcast of underwater content to make the iTunes "Featured Education Podcasts" list.

Subscribing to the video podcasts is free and they can be accessed on any computer through the free iTunes program by clicking on the following link: <http://tinyurl.com/je8ro>

This will launch iTunes on the computer and open DiveFilm's Podcast Video page.

The podcasts are produced by Mary Lynn Price, who started one of the first streaming video websites for underwater videos back in 2000.

The most recent of the 17 current DiveFilm episodes available, "Beqa, Fiji," focuses on Fiji's locally managed Marine Protected Areas. Past episodes include an interview with the late Peter Benchley, author of "Jaws", a podcast on "Diving Scandinavia," and episodes highlighting conservation con-

cerns regarding sharks and mantas. Other episodes feature a short film by renowned underwater photographer Eric Hanauer on the sunken P-38 fighter plane off the coast of Del Mar and a video featuring shark footage by renowned cinematographer Marty Snyderman a two-part series on the massive squid spawning events off the California coast that includes historic footage and interviews with a Scripps scientist. ■

Wetpixel is proud to announce a partnership with DiveFilm.com, a website dedicated to showcasing underwater video. DiveFilm features underwater filmmakers and offers high quality video podcasts about the underwater world, available through a free iTunes subscription and other podcast subscription mechanisms. Contrary to the name, video podcasts do not require a video iPod, and you can watch the broadcasted video right on your computer monitor. ■





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www.seacam.com (no picture of housing yet)



Sealux
Sealux CD200 www.sealux.de

These days it seems to be all about housings for the Nikon D200



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PHOTO ERIC CHENG

A couple of Nikon D200's features

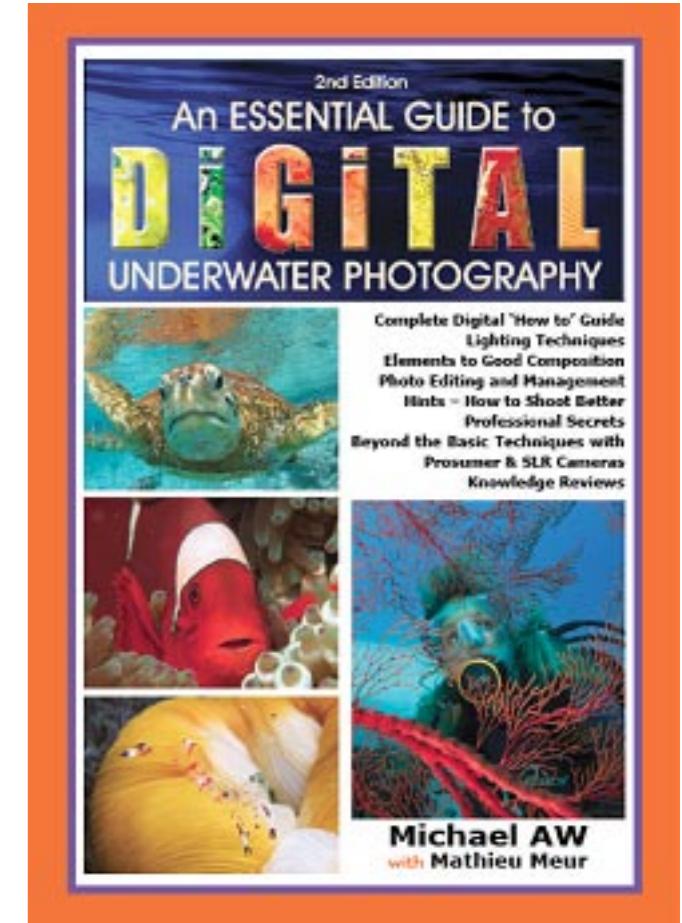
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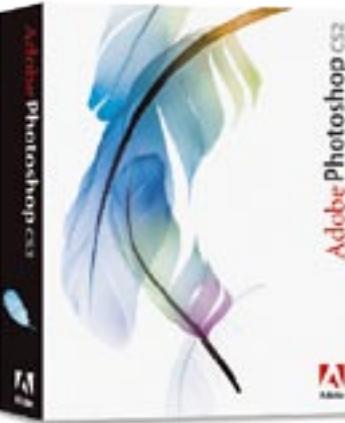
A well-structured, comprehensive work, lavishly supported with explanatory diagrams and magnificent images the, *Essential Guide To Digital Underwater Photography* will undoubtedly prove to be as much an educational tool for novices as it will a reference work for those with greater proficiency in underwater image making.

— "David Strike" Editor NEKTON



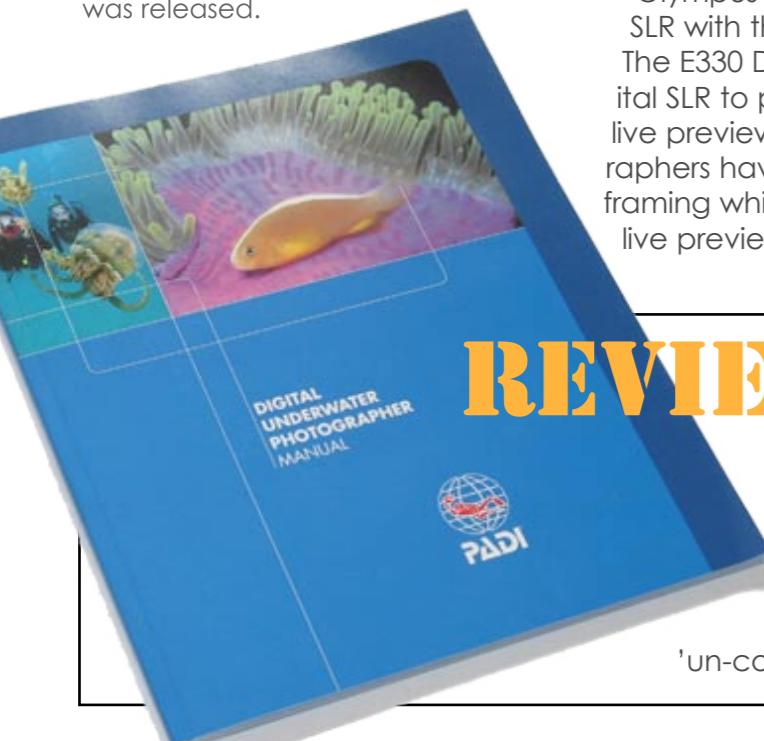


photography news



Adobe releases Camera Raw 3.4 and CS2

Adobe has released a new version of its Camera Raw plug-in and an update to Adobe Photoshop CS2. Camera Raw 3.4 now supports the Canon EOS 30D, Leaf Aptus 65, Leaf Aptus 75, Olympus EVOLT 330, Olympus SP-320, Pentax *ist DL2, and Samsung GX-1S. The Adobe Photoshop CS2 (9.0.1) update fixes a few problems discovered after CS2 was released.



REVIEW

You got to hand at least one thing to PADI. They do very good teaching materials and their products are very thoroughly made. They are very good at 'un-complicating' matters. This

Digital Underwater Photographer Manual is no exception and while it is meant as a training manual for a PADI specialty course it is still a better standalone product than so many other books on the subject out there. They should sell this book alone too. It is, with its 88 pages only a quite light booklet and it

only covers the basic concepts for the beginners- which is often the hardest to do. The manual gives you a clear explanation of the various file types, image resolution, exposure, sharpness and depth-of-field, composition, use of flash and postprocessing and organizing images. ■



Casio

The EWC-60 underwater housing is compatible with the Casio Exilim EX-S600 and EX-S500 digital cameras and should be available in retail as this issue goes to press. The Casio EWC-60 will be available at retail from April 2006. A flash diffuser, strap, silicon paste as well as an anti-condensation kit are included in the delivery package.

The 6 Megapixel Casio Exilim EX-S600 is equipped with Anti Shake DSP technology and in addition to improved resolution over the EX-S500, the EX-S600 has a 3X zoom and increased battery life allowing up to 300 shots per battery charge.



Olympus E-330 Underwater Pro kit pairs the Olympus E330 DSLR digital SLR with the PT-E02 housing. The E330 DSLR is the first digital SLR to provide continuous live previews. Now photographers have the freedom of framing while looking at the live preview on the cam-

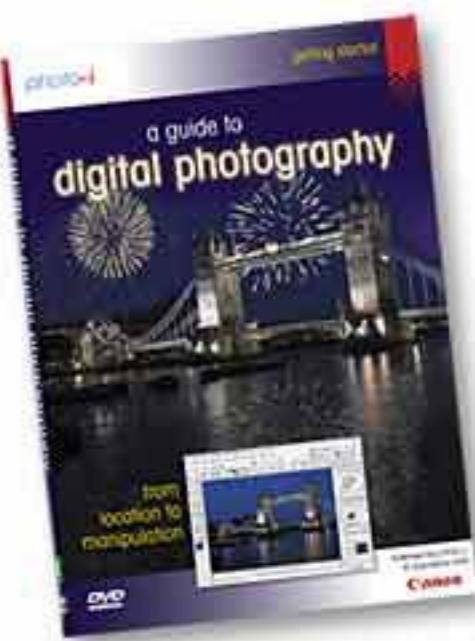
era's large 6.4cm HyperCrystal LCD. For underwater photography this is of special consequence

as the difficulty of framing a shot using the eyepiece while wearing a diving mask. The PT-E02 is depth rated to 60 metres. With its durable, high quality polycarbonate construction, it protects the camera from water while also cushion-



Sony takes over as Konica Minolta pulls out

Granted, Minolta was never one of the big names in underwater photography and there were only a few housings. But the innovative brand that introduced autofocus and anti-shake had its devoted followers. Recognising that the market had become too competitive to make a profit, Konica Minolta decided to cease the camera business all together and transfer its technology to Sony with whom there has already been a development cooperation with since last year. Sony states that it intends to develop a D-SLR called a based on Minolta's lens mount. The new SLR is due out "this summer". www.sony.net/Products/dslr



DVD guide to digital photography

Photo-i, in association with Canon, is going to produce a series of DVDs on digital photography. The first one is 'A guide to digital photography' showing you how to get the best results from your digital camera. The DVD contains a series of assignments and tutorials and pictures are manipulated in Adobe Photoshop CS). It's visual, informative and packed with lots of tips and ideas. PAL format, English language. Running time is 2 hours, 20 minutes. Price: £14.99 www.photo-i.co.uk



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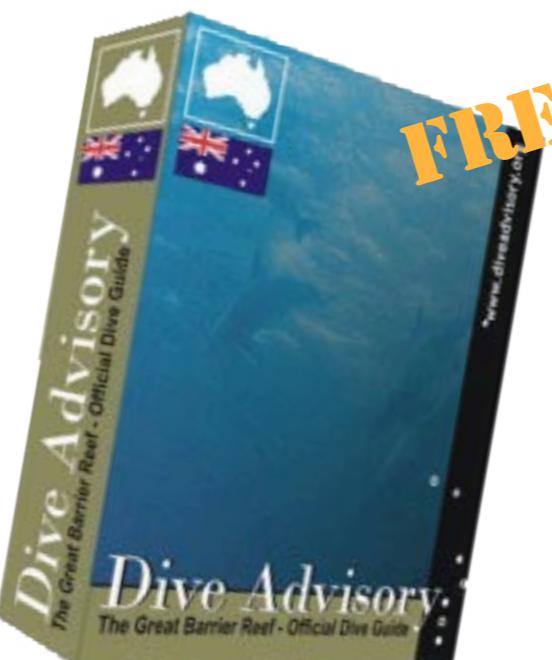
Edited by Peter Symes
& Gunild Pak Symes

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ON BOLD LINKS




Deep Sea Tycoon: Diver's Paradise

Create your own undersea getaway! The follow-up to the original by Pixel After Pixel, Deep Sea Tycoon 2 lets you enter a world under the waves to explore coral reefs, swim with whales, play with turtles, feed the manatees and ride the turtles. Slow down and enjoy dazzling lights and hypnotic sounds while adventuring your way through 30 challenging missions with multiple modes of play. Incredilbe graphics and new camera angles. Suitable for ages 3 and up. e-Games North American release date: 24 June 2006. www.virginmegastores.co.uk

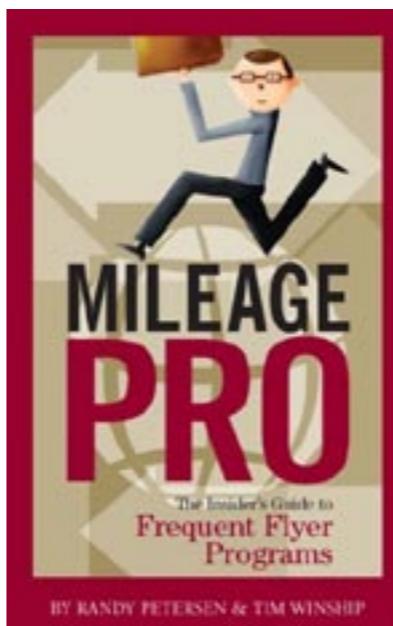


The Great Barrier Reef e-Book Over 70 pages of everything you need to know about diving the Great Barrier Reef of Australia. Written by Lucy Joyce, an Australian diver with over 25 years experience in the area, this beautiful e-book can be downloaded FREE from the Internet. You will find information about liveaboards, day trips, typical 3-day liveaboard itineraries, various dive sites, dive education in Australia, accommodation, bargains, camping, land attractions, adventure activities and getting around in Cairns, Port Douglas, Townsend, Cape Tribulation and the Daintree Rainforest, marine life on the reef as well as dangers to watch out for.

Visit: www.diveadvisory.org

For High Flying Divers

Lost and confused? Look no further, the first ever comprehensive book on mastering airline, hotel and car rental loyalty programs has just come out. *Mileage Pro: Insider's Guide to Frequent Flyer Programs* will help you manage and maximize your travel mileage with practical information on earning and redeeming miles. Co-author, Randy Petersen, a former marketing and merchandise presentation manager who spent much of his time flying has become known as one of the most influential frequent flyers in America and a leading expert on airline loyalty programs. His best effort to date is the launch of the Mileage Donation Center, which helps individuals donate unused miles to charity groups. His compatriot, Tim Winship, who co-authored the book, launched FrequentFlier.com in 1997 and has 20 years experience in the travel industry and loyalty-marketing management. Price: US\$19.95 www.oag.com

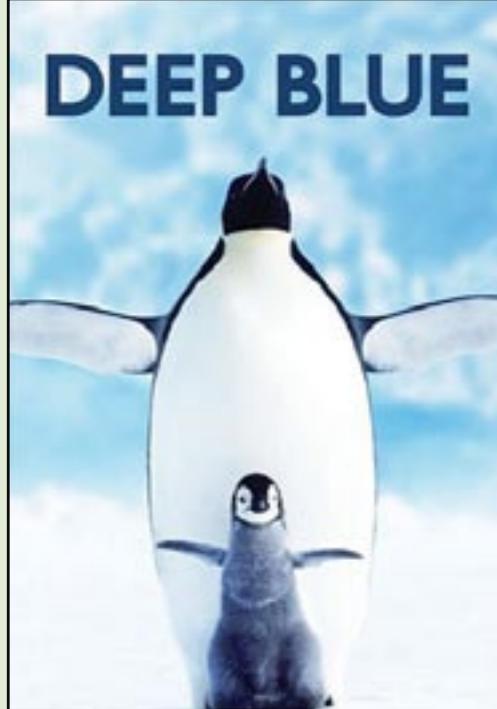


Encyclopedia Prehistorica: Sharks & Other Sea Monsters

by Robert Sabuda
and Matthew Reinhart
Publisher: Candlewick Press
Date: June 2006
Age range: 5 years and up
ISBN: 076362229x Hard cover
Price: US\$27.99

Just when you thought it was safe to go back in the water, another pop-up book about prehistoric sea monsters pops up! Co-authors, Robert Sabuda and Matthew Reinhart, have done it again. Following their best-selling Encyclopedia Prehistorica: Dinosaurs, Sharks and Other Sea Monsters is sure to enthrall and amaze young marine biologists and their landlubber parents. The book has captivating pop-ups of massive prehistoric sharks, giant squid and huge scorpions. Get it before it gets you! www.candlewick.com

Movies

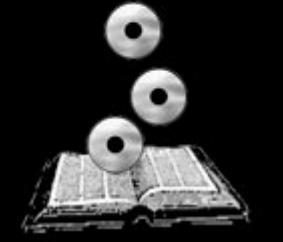


Deep Blue

Studio: Miramax
Actors: Michael Gambon, David Attenborough, Pierce Brosnan
Director: Andy Byatt, Alastair Fothergill
Length: 91 minutes, Rated G
Special DVD Features: Making-of 51 minute featurette, English and Spanish subtitles.
ASIN: B000E5KQQ4

Swarms of fish, plunging Albatross, schools of hunting sharks, sleek dolphins, polar bears stalking beluga whales, sea lions attacking a baby gray whale, killer whales, penguins caring for their young, poisonous hot gasses spewing out of ocean ridges and underwater chimneys, slow rhythmically moving jellyfish... From the creators of the BBC series "The Blue Planet", this compelling film, heavy on imagery from a spectacular setting in the Marianas Trench, sparse on script, has less emphasis on education and more emphasis on engaging adventure with breathtaking images of some of the Earth's most mysterious creatures and underwater ecosystems.

DVD Price: US\$29.99
www.amazon.com



Dive In Style

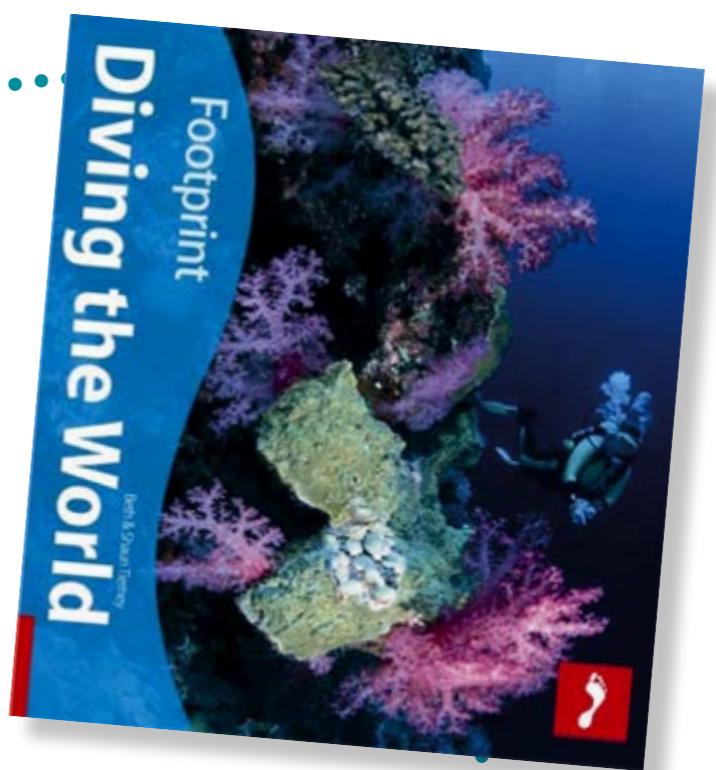
By Tim Simond
Publisher: Thames & Hudson
Date: April 24, 2006
Hardcover: 288 pages
ISBN: 0500512922
List Price: US\$40.00

Get it at Amazon.com for \$25!

Luxury and diving? Sign me up! Twenty-six destinations from around the world, including four luxury liveaboards, are outlined in detail for dive travelers with a penchant for pampering. Each location's most spectacular dive sites are described with the marine life particular to the area and the ultimate places to stay. White sands, carpets of corals, humpback whales, sharks, private picnics on sandy beaches... The good dive life presented in over 200 full color illustrations taken by the author, Tim Simond, a keen diver and underwater photographer based in London. Well-researched and thorough, the guide gives a comprehensive look into each resort that caters to the diver in you as well as provide many activities and features the whole family can enjoy. Practicalities such as resort layout and architecture, dive center operation, what kind of boats are used, and the best time to visit are covered.



Listen to the Divester podcast review of Dive In Style:
www.divester.com/podcasts



Footprint: Diving the World

An invaluable reference compiled by avid divers Shaun and Beth Tierney. Get comprehensive country-by-country reviews on dive locations in Australia, Fiji, the Solomon Islands, Papua New Guinea, Thailand, Maldives, Belize, Honduras, Mexico, The Galápagos, Philippines, Malaysia, Indonesia, Egypt, East Africa including Kenya and Tanzania and Micronesia including Palau, Yap and Truk Lagoon. Information on affordable and accessible dive travel includes descriptions of 200 dive sites and 354 pages of full colour photography. Price: GB£19.99
www.seafocus.com

Patricia Tobin wrote:

I cannot thank you enough for the beautiful book. I started reading my copy last night and was just amazed by the wealth of information. Such great work, it is precise, detailed, easy to use. I love the introductions and the pictures are outstanding. You truly captured the passion we all share for diving

Life on an Ocean Planet

Student Textbook

ISBN# 1-878663-34-8, US\$62.50

Laboratory & Activity Manual

ISBN# 1-878663-35-6, US\$20.75

Teacher Curriculum Guide

ISBN# 1-878663-36-4, US\$28.30

Transparency Pack

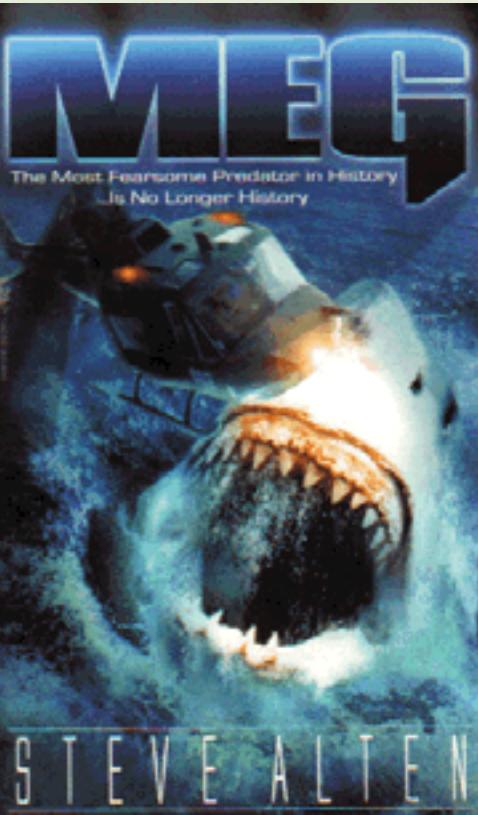
ISBN# 1-878663-38-0, US\$291.25

Teacher Digital Resources & Assessment Tool ISBN# 1-878663-37-2, US\$255.25

This educational package of materials written in hip language to inspire high school students integrates marine science curriculum with biology, chemistry, geology and physics. lots of labs and activities for individual and group inquiry, easy access equipment and materials, slide show, data sheets, references, teaching strategies for teachers. Package includes

Student Textbook, Activity Manual, Teacher Curriculum Guide, CDROM Digital Resources & Assessment Tool, Transparency Pack. Produced by Current Publishing division of PADI in association with the Center for Ocean Science Education Excellence in California, USA.
www.currentpublishingcorp.com

Upcoming Movie

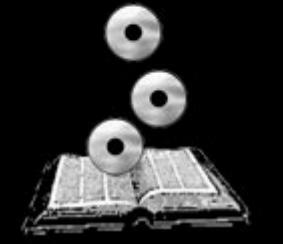


Meg

Release date: 2007
Directed by Jan de Bont
Writing credits: Steve Alten (novel) and Shane Salerno (screenplay)

Meg, short for Megalodon, a supersized prehistoric shark, is the focal point of a new movie from the director of "Twister" and "Speed". The film is an adaptation of Steve Alten's National Bestseller about the hunt for the most deadly predator of all time, the 100,000 pound, 80-foot long Megalodon shark.

This suspense novel in which paleobiologist and deep sea explorer Joanas Taylor comes eye to eye with the monster from a world seven miles under the waves was originally released in 1997 and is back due to popular demand—reprinted in a new extended edition, with a Tyrannosaurus Rex by Nimba Creations on the cover.
www.stevealten.com



REVIEW

Underwater Video Guide

"Annie created this step-by-step DVD, "Your Guide to Creating Underwater Video," to teach you visually how to make better images both above and below the water. Whether you are new to shooting or have owned your camera system for years and simply want to refine your techniques, there's no better tool available to help you achieve your underwater video dreams."

Click to view sample chapter

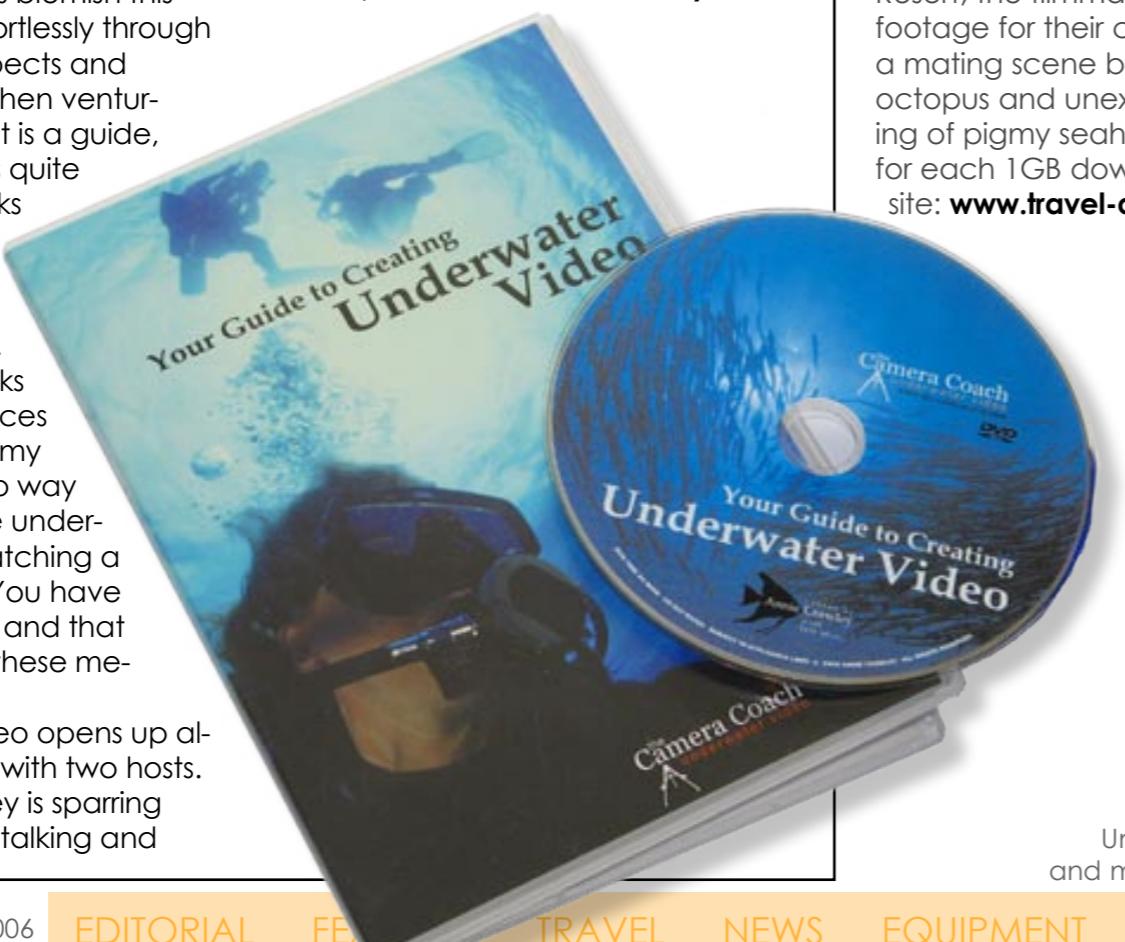
(Quicktime movie - will take a while to load)

I know... this doesn't sound very professional, but this DVD is rather cool, and extremely well produced. No unfinished patches or cutting corners blemish this DVD, which takes you effortlessly through all the most important aspects and considerations to make when venturing into this exciting field. It is a guide, the title tells us, and that is quite fitting because guidebooks are mostly meant to prepare you before a journey and wet your appetite. Which this one did. Granted, some guidebooks are also meant as references and how-to guides but in my humble opinion there is no way you can acquire a skill like underwater videography by watching a DVD or reading a book. You have to get wet and practice - and that will always be the limit to these medias.

At a first glance the video opens up almost like a tv-news studio with two hosts. Here author Annie Crawley is sparring with her editor Jeff Morse, talking and

coaching you through all the chapters. At first I couldn't help feeling that the conversational format was a wee bit too articulated and teleprompted but thinking it over I couldn't see anything wrong with that, it just stood out a bit as seen from the European tradition in which I am rooted. And generally the Americans are way ahead when it comes to doing educational material, this dvd being a point in case.

And, being a still photographer, I was also rather impressed by the ease and elegance in the explanations given of some of the basic concepts like field of depth, over- and underexposure, and more. I could make good use those snippets in my own photography teaching.
—Peter Symes www.anniecrawley.com

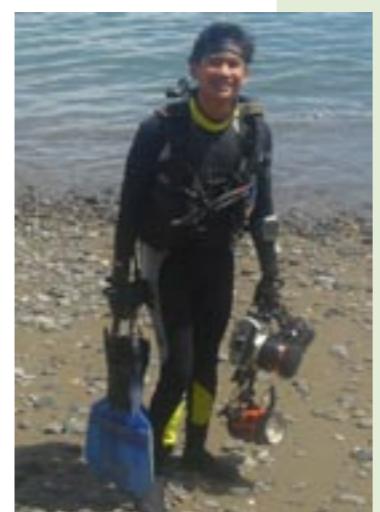


Underwater Photographer
and macro expert, Nonoy Tan



Downloadable Underwater Films: The "critters" Trilogy

The trilogy, "critters", "coral critters" and "night critters", which won the unprecedented double Palme d'Or award at the World Festival of Underwater Pictures in Antibes, France, in 2000, was filmed by John Boyle and Fionn Crow Howieson of the UK's Shark Bay Films who spent over a thousand hours submerged in Lembeh Strait, Indonesia. Watch warty frogfish, hairy ghost pipefish, Ambon scorpionfish, flamboyant cuttlefish, yellow pygmy seahorse and solar powered nudibranchs as they make a living in the underwater ecosystems of this fascinating place. Based at Kungkungan Bay Resort, the filmmakers captured unique footage for their critter flicks including a mating scene between blue-ringed octopus and unexplained head-butting of pygmy seahorses. Price: GB£4.00 for each 1GB download. Visit the website: www.travel-dive.com



First Philippines Dive Guide & Spotter Workshop in Mabini, Anilao

by Nonoy Tan, Philippines

- On May 11-12, 2006 local dive guides and "spotters" for underwater photographers converged at Solana Bezo Resort (www.divesolana.com) of Anilao, Philippines to participate in a workshop organized by the Mabini (Anilao) Resort Owners Association and the local government.

Conceptualized by videographer

- Marissa Floirendo, the workshop intended to strengthen local capability of providing world-class dive guiding and spotting services to underwater photographers.
- Trainers were Nonoy Tan, Gutsy Tuason, Karina Escudero and Marissa Floirendo – all Filipino underwater photographers and videographers. Also, the aim was to deepen cooperation among stakeholders (private and government) in providing alternative sources of income for subsistence fisher folks.

- Throughout the Philippines, numerous dive areas continue to be discovered that are of special interest to macro underwater photographers. The potential of these areas is yet untapped because the underwater macro life have been largely unknown, even to local residents. However, as more divers explore these seemingly barren reefs, the need for professionally trained dive guides and spotters will surely increase. Hence, this workshop, which is a precursor to a series of training activities, especially targeted for those residing in coastal villages. Before becoming dive guides, some of the trainees in the workshop had been subsistence fishermen.

The trainees came from different parts of the country. Six dive guides were from Anilao, one from Calatagan (Batangas), two from Davao (southern Philippines), and two from Donsol, Sorsogon. Anilao is a popular destination for muck diving, and a frequent host to professional underwater photographers. At the same time, Davao is being explored as a macro photography destination. Donsol, albeit known for its whale shark interaction, will soon be promoted for macro photo-



NONOY TAN

Arrow crab, Dauin, Philippines

tography too. This convergence of dive guides/spotters from different parts of the Philippines was the first of its kind. Coming from varying backgrounds, the trainees were able to share experiences, learn from each other, and develop camaraderie.

During the workshop sessions, the trainees were presented with a set of protocols to follow before, during and after the dive with an underwater photographer. They were also given an introduction to basic camera setups and had an opportunity to handle different cameras. Also, the trainees were provided tips on where and how to find macro critters, including an explanation of behavioral characteristics that are of interest to underwater photographers. After completing actual dives, the trainees were able to develop maps of the dive spots, which illustrated the various critters found in the areas. Furthermore, with the aid of books, they identified their common and scientific names. The list of critters included species of frogfishes, ghostpipefishes, sea moths, dragonets, nudibranchs, commensal shrimps, eels, etc. Finally, the workshop closed with a "graduation" ceremony and night socials.

The workshop was a tremendous success and has inspired the organizers to expand the training course to other places in the Philippines, as well as convert the training materials into local dialects. The project received invaluable support from various stakeholders. These included Joel Uichico (President of the Resort Owners Association of Mabini) and Mayor Rowell Sandoval (Mabini, Batangas). ■



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Tuneffe Island Lodge

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Utila Dive Center, Honduras

Welcome to the Whaleshark experts www.utiladivecenter.com

Utopia Village —Coming 2007: Dive, Fish, Relax in Utila, Honduras. Opening specials sign up www.utopiautila.com

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Dive Academy Gran Canary Island

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Diving World, Netherlands

Dive travel specialists

www.divingworld.nl

Dykkercenter Langeland, Denmark

Cabins & Wreck diving in Denmark www.dykkercenterlangeland.dk

Eden Roc Amigos Del Mar

Costa Brava Irish owned, reef, wrecks, caves, Clubs & individuals welcome www.eden-roc-dive.com

Media-Sub, Erstein, France —Underwater video and photography equipment and service www.mediasub.com

Profondo Blu, Ustica

An underwater paradise in the Med www.ustica-diving.it

Scuba.lu, Luxembourg —Diving Luxembourg-Worldwide expeditions www.scuba.lu

Timuna Sea, London, UK

Premier diving specialist in East London www.timunasea.com

West Wales Diving Center, UK

Longest serving dive center in Wales www.westwalesdivers.co.uk

Zapp Divers, Denmark

Dive tours around Jutland www.zappdivers.dk

Dive Operators RED SEA

Emperor Divers, Sharm El Sheikh, Egypt

Your Red Sea dive specialists www.emperordivers.com

Nemo Divers, Eilat, Israel

Red Sea's best little dive center www.nemodivers.co.il

Dive Operators AFRICA

Dive Solutions, South Africa

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Dive Operators ASIA

Bali International Diving Professionals

Specialists in Macro to Pelagic Sights bidp-balidiving.com

Big Bubble Center, Singapore

Taking the mystery out of scuba diving www.bigbubble.com

Delphis Diving, Maldives

Since 1982. Safe, personal & organised www.delphis.com.mv

Sipadan Water Village Resort, Sabah

Luxurious diving resort in Borneo www.swvresort.com

Tioman Scuba —Finest diving at the best price in Peninsula Malaysia www.tiomanscuba.com

Ocean Adventures —Philippines

Welcome to the world of wonder www.oceanadventure.com.ph

Swanido, Biak, Indonesia Discover the Hidden Treasures in Cenderawasih Bay www.swanido.com

Dive Operators AUSTRALIA

Abyss Scuba Diving, Sydney Australia

Scuba diving in Australia is worldclass www.abyss.com.au

Aquapro Dive Services Australia

Your first choice for instructor training www.aquaprodive.com

Deep Sea Divers Den, Australia

Diving Great Barrier Reef & Queensland www.diversden.com.au

Eagle Hawk Dive Center, Tasmania

Tazmanian Peninsula dive specialists www.eaglehawkdive.com.au

New Zealand Dive Experiences

Expand your diving and underwater photography horizons in Kiwi country www.nzdivexperiences.com

Ningaloo Reef Dive, Western Australia

Preferred operators on the West Coast www.ningalooreefdive.com.au

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Liveaboards

Nautilus Explorer Liveboard, USA

Diving Mantas to Icebergs

www.nautilusexplorer.com

Ocean Rover

—Cruises in Thailand, Myanmar, Indonesia and Malaysia www.oceanrover.com

SMY Ondina

—Dive Indonesia www.smymondina.com

Star Dancer Liveboard, Australia

Peter Huges Diving Adventures

www.peterhughes.com

SCUBA & UWP Clubs

Aalesunds Sportsdykkerclub, Norway

På Voldsdalsberga ved Borgundfjorden www.aasdik.no

Ajax Scuba Club, Ontario, Canada

Serving Durham Ontario since 1975

www.ajaxscubaclub.on.ca

Alberta Underwater Council, Canada

Underwater sports & eco-awareness

ws.albertaunderwatercouncil.com

Barnacle Busters Scuba Club, USA

Los Angeles/Long Beach (Gay/Lesbian)

www.barnaclebusters.org

Ugly carp rakes in the dough

Fisherman in the midwest are making a bundle selling a presky invasive fish called the Asian carp. The fish was introduced to the Illinois River in the 1960s to eat algae in catfish farm ponds. But the rascals escaped and are now populating waters of the Mississippi River in large numbers making their way up to the Great Lakes. It is estimated that there are about 65 million pounds of carp in

Bottom Bunch Dive Club, San Diego, US

Promoting safe diving and having fun

www.bottombunchdiveclub.com

British Sub Aqua Club (BSAC), UK

Where sport diving began...

www.bsac.co.uk

Dansk Sportsdykker Forbund, Denmark

7500 members in 152 clubs in Denmark

www.sportsdykning.dk

Los Angeles Underwater Photographic Society, USA

www.laups.org

Northumbria Sub Aqua Club, UK

Dive training and trips

www.divenorthumbria.co.uk

Saddleworth Sub-Aqua Club, UK

Based in the Pannine hills of Lancashire

www.saddleworth-subaqua.co.uk

Southern Division Diving Club

Netherlands: Dive with us, you can't sink lower! www.sd-diving.nl

Tufts University Scuba Club, MA, USA

New adventures, new buddies

www.ase.tufts.edu/scuba

Underwater BC Photography Society

Vancouver, British Columbia, Canada

www.ubcps.bc.ca

Dive Shops

Watersport, Copenhagen, Denmark

Located in Amager Strandpark

WATER SPORT DK

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www.cdcdyk.dk

Deep Six Underwater Systems, USA

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www.diversupplyusa.com

Dykkercentret, Denmark

Danish dive shop & online store

www.dykcen.dk

Diveshoppen, Denmark

In the heart of Copenhagen

www.diveshoppen.dk

LondonDivingNet

—The best place in London to learn to dive

www.londondiving.net

Ocean Dive Explorers, Denmark



Publishers

Best Publishing Co, Flagstaff, AZ, USA
Scuba diving & hyperbaric medicine
www.bestpub.com
Oceans Enterprises
Diving and Underwater Books
www.oceans.com.au
Pine Belt Publishing
Online Book Distributors
www.pinebeltpublishing.com

Dive Manufacturers

Cochran
Undersea Technology
www.divecochran.com
Dive Junkie, Singapore—Fun, fashionable and expressive scuba dive t-shirts
www.divejunkie.com.sg
Diving Unlimited International, USA
Unlimited comfort, performance, quality
dui-online.com
Fourth Element, UK—High tech, high quality dive clothing and design
www.fourthelement.com
Nocturnal Lights, CA, USA—Advanced lighting systems for diving, UWP, video
www.nocturnallights.com
Reefling Clothing
Divewear that inspires diving
www.reefling.com
Silent Diving Systems, USA
Closed circuit rebreather distribution
www.silentdiving.com

Non-Profit Organisations

International Association of Handicapped Divers (IAHD Foundation)
www.iahd.org

Coral Reef Alliance—Working together to keep coral reefs alive
www.coralreef.org
The Manta Network
Help Save the Mantas
www.save-the-mantas.org

Online Dive Resources

Cairns Scuba Diving Australia
Dive training & travel holidays
www.divedirectory.com.au
DiveGuru, Deerfield, FL, USA
When you want answers...
www.diveguru.net
DiveIndex.com—All links diving related
Newest, top-rated, most popular
www.diveindex.com
DivePhotoGuide—The essential resource for UWPs & Videographers
www.divephotoguide.com
Diverlink—A comprehensive resource for divers and dive businesses
www.diverlink.com
Divester
Weblong's premier diveblog
www.divester.com
Dykcentralen, Sweden
Swedish divelink index
www.dykcentralen.se

Lines & Shadows—Home of the best source of UWP, travel & adventure
www.linesandshadows.com

NauticFriend.com—The Ultimate Worldwide Watersports Directory
www.nauticfriend.com

Onderwaterfoto, Netherlands
Digital UWP Forum
www.underwaterfoto.net

One Ocean—Earn frequent diver points toward equipment & travel
www.oneocean.com

Patrick Musimu, Freediving Champion
Accept No Limits
www.patrickmusimu.com

Scuba Duba—Online diving resource for news, equipment, buddies & travel
www.scubaduba.com

Scuba Spots—The World's Oldest, Largest Scuba Directory
www.scubaspots.com

Scuba.start4all.com—Diving directory in cooperation with Diving World
www.scuba.start4all.com

ScubaDiveSites.com, Australia
Listing Dive Sites Worldwide
www.scubadivesites.com

UK Diving—UK Scuba Diving Resource & Network
www.ukdivers.com

Underwater Australasia—Australia & Asia Pacific's most popular dive portal
www.underwater.com.au

UnderwaterTimes—A daily journal of life in and around water
www.underwatertimes.com

University of Michigan, OSEH
Dive links by Larry "Harris" Taylor, PhD
www-personal.umich.edu

WetPixel, USA
Digital imaging for divers
www.wetpixel.com

World-Newspapers.com
Scuba Diving Magazines Online
www.world-newspapers.com/scuba

UW Photo, Video, Film

Alex Mustard, PhD, UK
UWP and Marine Biologist
www.amustard.com

Amos Nachoum Big Animals
Worldwide expeditions & adventure
www.biganimals.com

Bill Becher Outdoor & Adventure
Writing & Photography—CA, USA
www.becher.com

Cathy Church, Cayman Islands
UWP Center, Classes, Trips, Services
www.cathychurch.com

City Seahorse, Dallas, TX, USA
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www.cityseahorse.com

Edwin Marcow, UK
Marine & Wildlife Photographer
www.edwinmarcow.com

Jack Connick, WA, USA
UWP & Graphic Design
www.opticalocean.com

John Collins Photography, Kinsale, UK
Cool Waters-Emeral Seas
www.johncollinskinsale.com

Jon Gross & Keith Clements, WA, USA
Marine Life Index
www.seaotter.com

Michael Portelly, UK
Director and Cinematographer
www.portelly.com

Nonoy Tan, Metro Manila, Philippines
Underwater images of the Philippines
nonoytan@yahoo.com

Poppe Images, Philippines
Marine Iconography of the Philippines
www.poppe-images.com

Thomas Peschak, South Africa
Africa's Oceans and Coasts
www.currentsofcontrast.com

Tony White, UK
Underwater imagery at its best!
www.seaofdreams.co.uk

UV Foto, Norway
Underwater photos of Stein Johnsen
www.uvfoto.no

Water Ventures
Travel, diving and culinary images
www.waterventures.no



Froggy friends line up at the starting line in this year's inaugural subaquatic cycling competition at Cable Bay in New Zealand

Subaquatic cyclists encounter hazards

Cable Bay in New Zealand was the site of this year's Nelson Underwater Club bicycle race under the waves. While ten of the club's diving members competed without incident, one diver got caught in a fishing line and another hit a flounder in slow-motion. Others experienced buoyancy problems falling off their cycles or front wheels rearing off the ocean floor due to insufficient weight. Low vis was also a factor for competitors who could not keep an

eye on their competition. Only spectators on the beach had any idea who was winning the race by watching the meandering buoys attached to the bikes. The winner, Todd Ramsey, pedalled across Cable Bay in 45 minutes. But another pedalling diver was disqualified from the race when the ump caught him swimming. With an inaugural event as fishy as this, one wonders what next year's race will reel in. ■

Source: www.stuff.co.nz



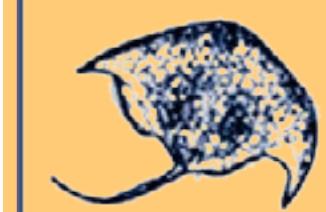
ACM-R5 robosnake slithers like the real thing in the water and crawls like a serpent on land

Amphibious robosnake charms enthusiasts

The Japanese have done it once again, this time with a slithery 8 km snakebot ACM-R5 that takes mechanized snakery up a notch. Powered by a 30-minute lithium ion batter, the roboreptile has a snout-cam and slithers naturally in the water as well as crawls and climbs. The serpent can even to some logrolling, which is the latest required competence

of mechanical snakes these days. A 32-bit microprocessor is fed information from sensors that guide remote operation. It is thought that once released for humanitarian work such as locating victims of earthquakes and disasters, it will probably find itself fitted with reconnaissance equipment or weaponry in the long run. ■

Wet & Weird



News edited by Gunild Symes



LEFT:
Coral Grouper & Corals
Oil on canvas, 46"x29"

BELOW:
*Packed Small Mouth
Grunts School*
Oil on canvas

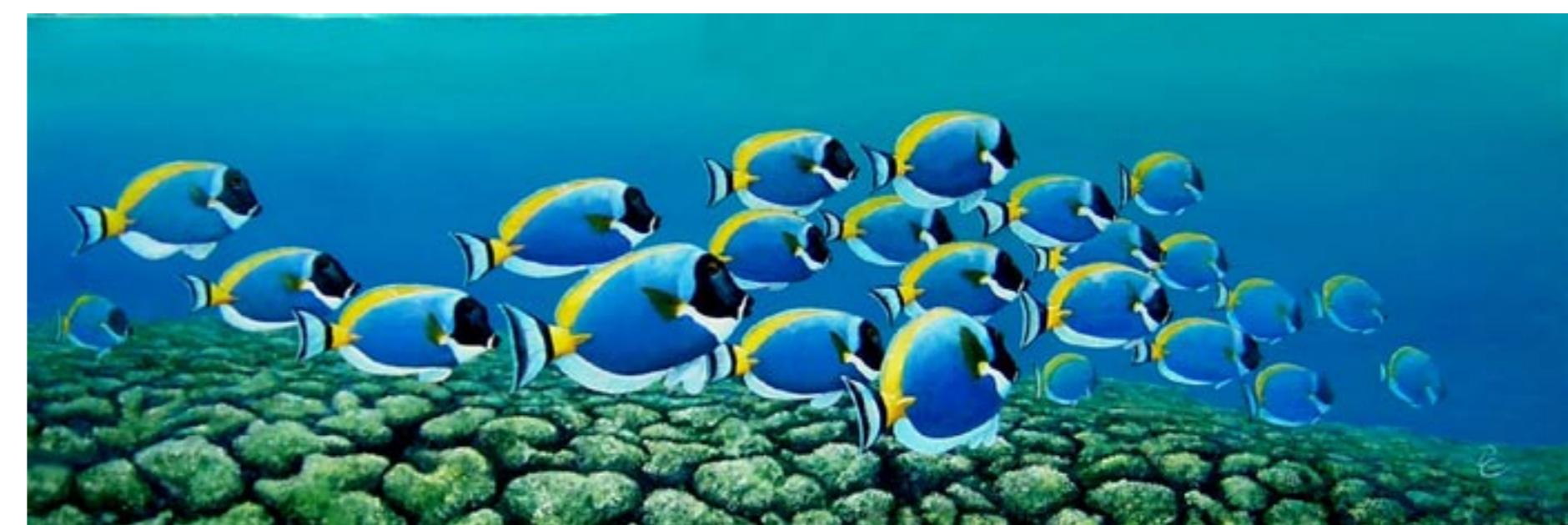
Patrick Chevailler

PORTFOLIO



Patrick Chevailler was born in Bordeaux, France, in July 1946. All during his teen age years, he admired the paintings his father created as a hobby, thinking he would never be able to paint like his father did. Chevailler received a diploma as a medical doctor in 1972 and settled in the countryside of southwestern France as a general practitioner. Since his childhood, Chevailler always enjoyed sailing. In 1977, he sailed his boat from France to the Caribbean, where he began painting in 1978 while practicing as a doctor in the tiny islands of Les Saintes to the south of Guadeloupe in the West Indies.

portfolio

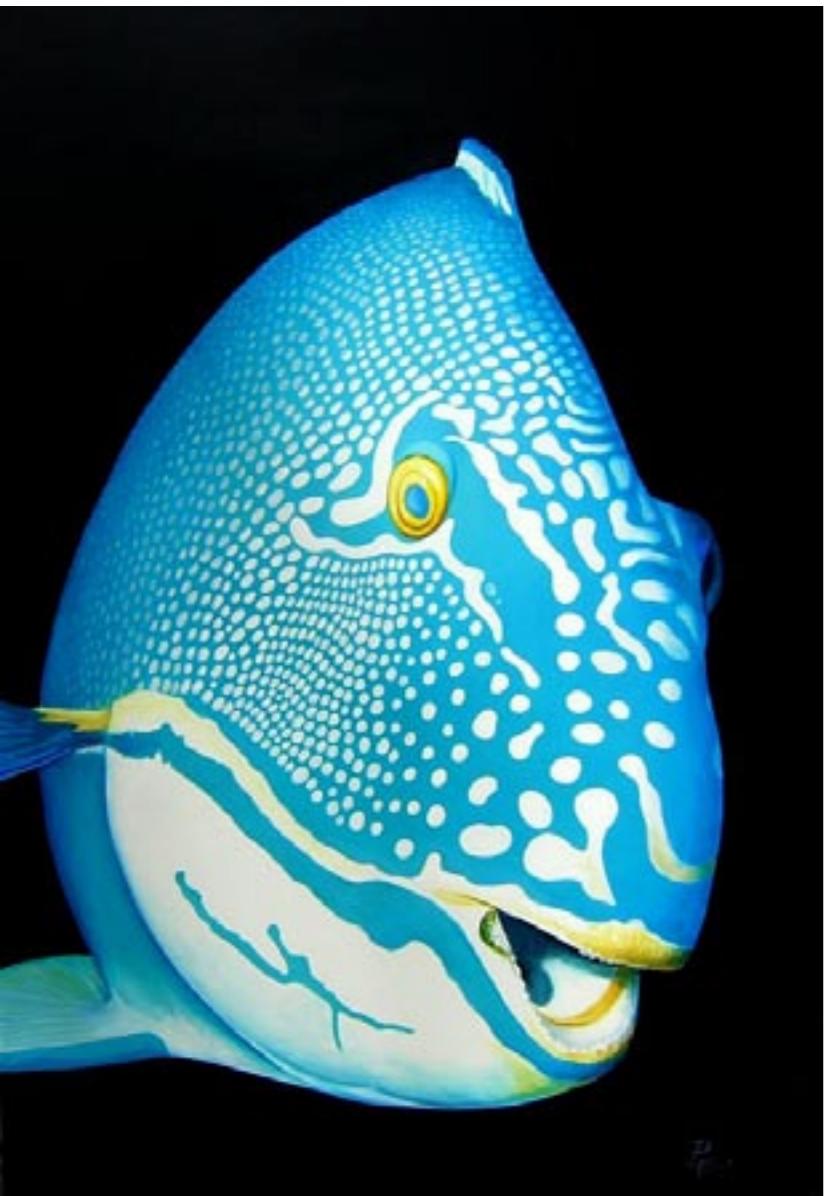


TOP RIGHT: *Glasseye School*, oil on canvas, 30x46"
BOTTOM RIGHT: *Acanthurus Leucosternon School*, oil on canvas, 20x60"
LEFT: *Surf Parrotfish portrait*, oil on canvas, 26"x40"

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Spotted Blue Parrotfish, oil on canvas, 26"x40"



Banded Butterfly Portrait, oil on canvas, 26"x40"



Tiger Grouper Portrait, oil on canvas, 29"x46"



Queen Angel Head, oil on canvas

A few years later, Chevailler's father painted a miniature oil painting of two old fighting frigates as a gift to decorate his son's boat, and Chevailler kept asking his father to paint another one in order to have a pair. But his father was a busy man, and the painting was never made.

One day, while reading a book on naval history, Chevailler stopped on a print of the Trafalgar battle, and just thought: "Wouldn't it be ideal as part of my pair?" Then he thought, "If Dad is able to paint what he paints, why shouldn't I be able to paint too?"

With a basic oil set, Chevailler began to paint a reproduction of what he saw in the book. It took him a month to complete a 5"x 8" highly detailed copy (you can even count the number of cannons on the battleships!) of the large scale original painting. Chevailler found out that he liked doing it so much he began painting other images of naval battles.

Without any knowledge of the basics, he developed his own technique, and little by little, freed himself from copying. Over the next twenty years, he painted as a hobby, about 150

oil paintings of all sorts of old time sailing ships. They usually ended up being sold or given away, from time to time, to friends and family, directly or through some casual exhibitions.

In 1996, Chevailler resettled on Palm Island of St Vincent and Grenadines in the West Indies. There, he was commissioned to paint a large underwater scene (8'x4') by a fellow diving fan. Since it was so large, Chevailler had to paint it outside and was amazed by the interest shown by people passing by. In all respects, he had a lot of fun painting this new kind of subject matter.

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ABOVE:
Hamlets and Sponges
Oil on canvas

LEFT:
Cocoa Damselfish intermediate
Oil on canvas

RIGHT:
Lobster Couple
Oil on canvas



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Chevailler then painted some smaller underwater scenes, which sold immediately. Since then, the painting hobby has turned into a real job, and his medical practice (he still practices as an emergency sailing doctor) has turned into a secondary activity. Chevailler barely succeeds at painting enough to complete the many commissions he already has and keep a minimum stock.

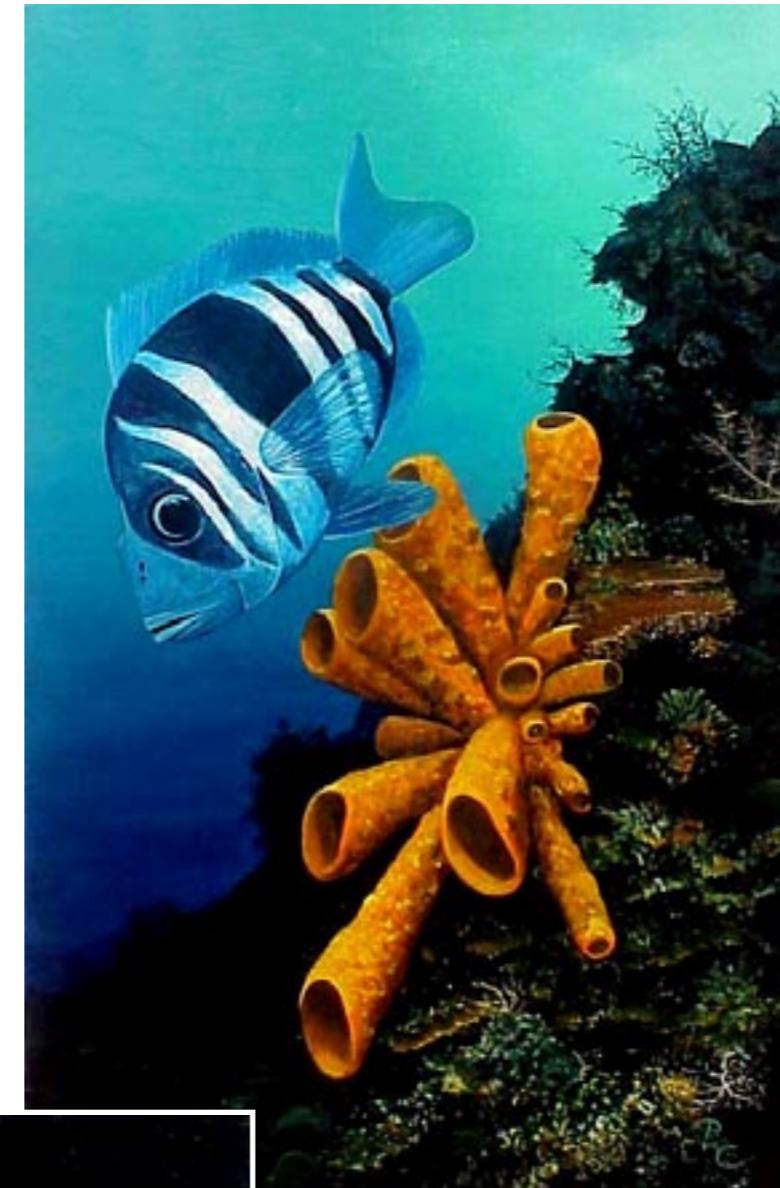
Chevailler's technique is very classic: oil paint on canvas. He uses both his own diving experiences



ABOVE:
Red Hind, oil on canvas

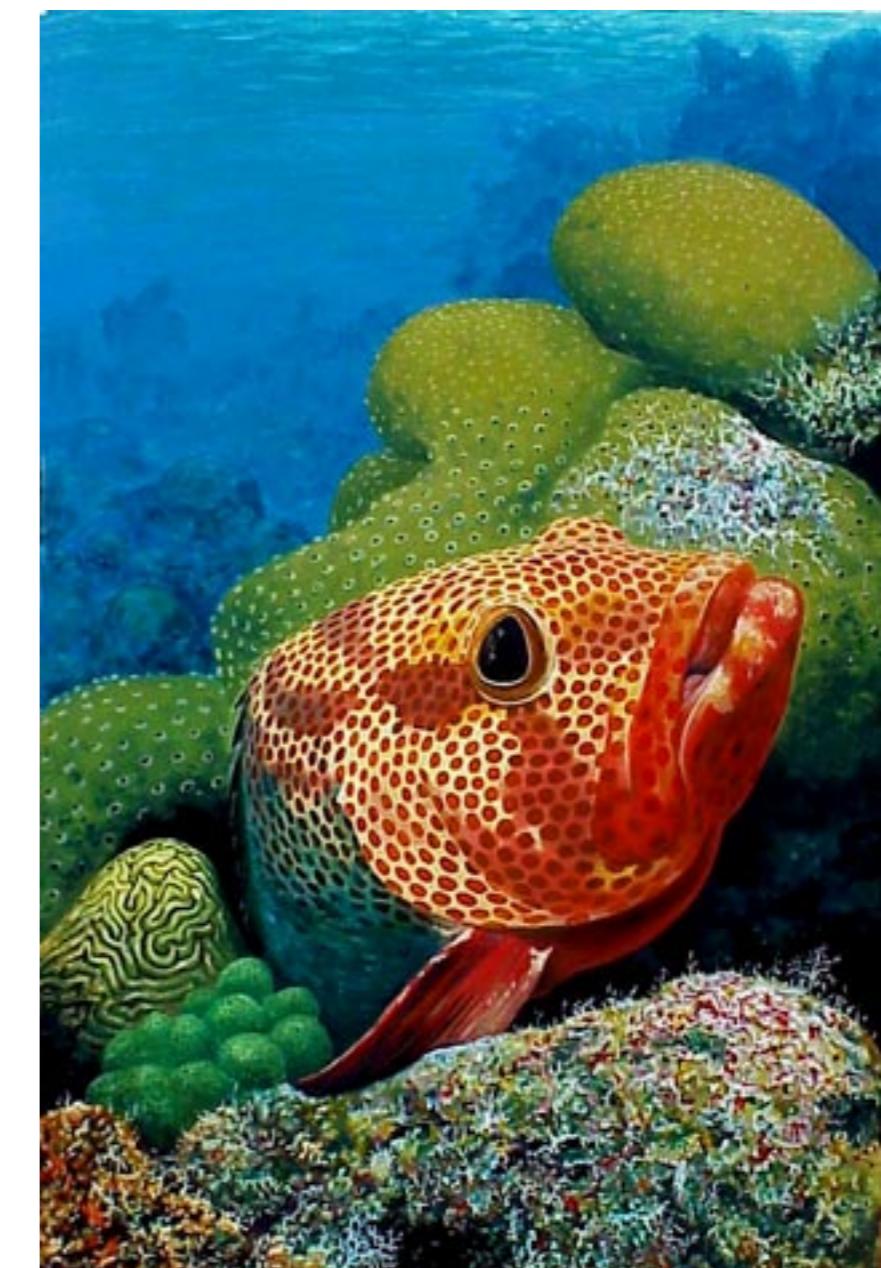
RIGHT:
Indigo Hamlet,
Oil on canvas

BETWEEN:
Epinephelus marginatus
Oil on canvas, 26"x40"



ABOVE:
*Wreck and
Bannerfish*
Oil on canvas

LEFT:
*Red Hind
Hiding Out*
Oil on canvas



(now assisted by a digital camera with housing) and a lot of various documentation about fishes, corals and sponges... for the details.

Chevailler's work is now displayed in many galleries in most of the Caribbean islands, Mexico, Florida and other US states in a gentle but constant expansion of exposure. From his original oil paintings, Chevailler produces high-end limited edition giclée prints on canvas in three different sizes as well as ceramic or glass mural tiles, which are custom made to the dimensions desired. Six dozen different subjects are now available. ■

For more information or to order originals, giclée prints and tiles, please visit: www.artandsea.com

portfolio

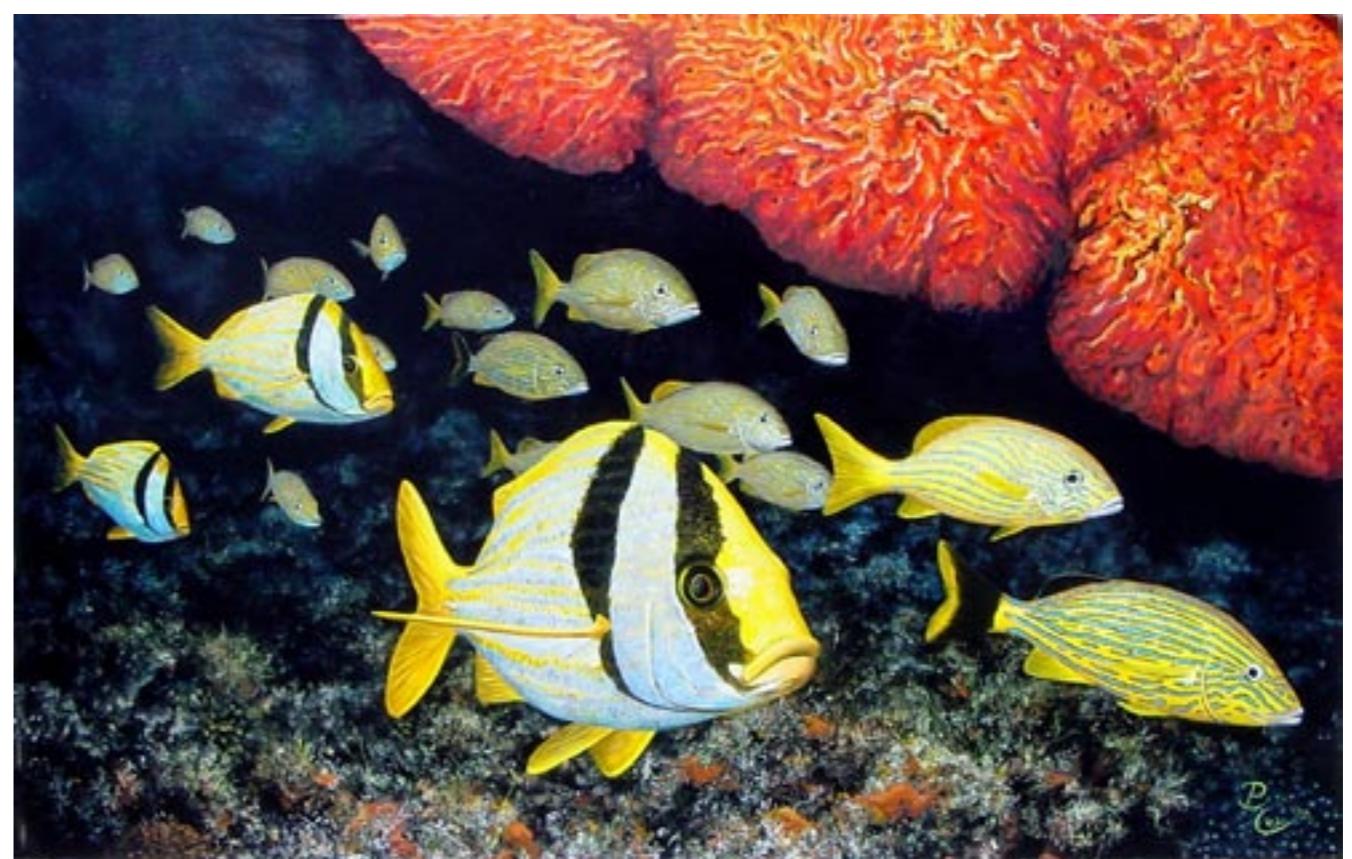
Chevailler



ABOVE:
*Turtle Swimming Up
the Drop Off*
Oil on canvas
26"x40"

LEFT:
*Grey Angel and
Orange Corals*
Oil on canvas

RIGHT:
Porkfish and Grunts
Oil on canvas

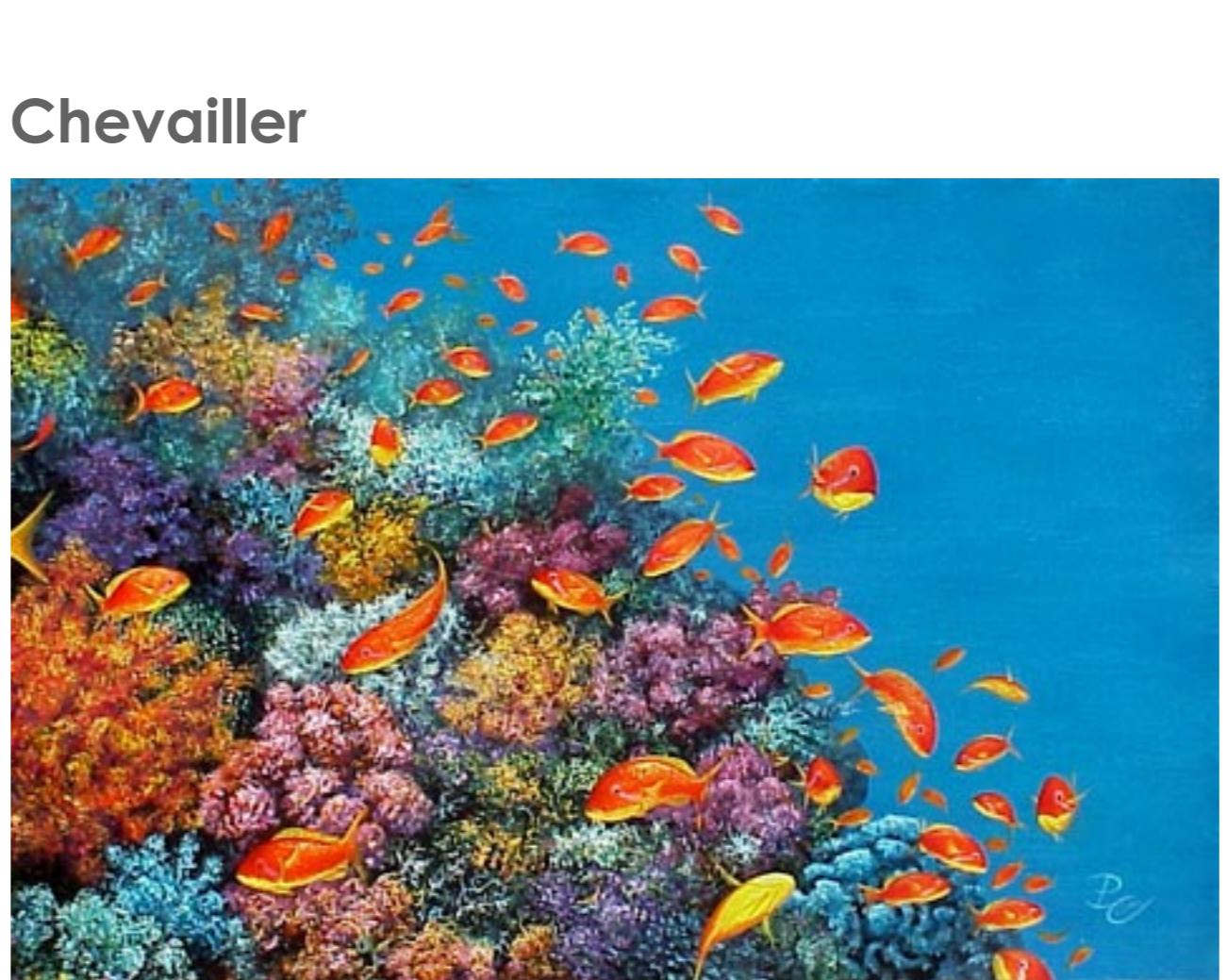


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ABOVE:
Above and Under
Oil on canvas

Anthias Group
Oil on canvas



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ABOVE: Burda's Reef, oil on canvas
LEFT: Basslet's Reef, oil on canvas



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