

Pacific Northwest Diver

PUBLICATION OF THE PACIFIC NORTHWEST UNDERWATER PHOTOGRAPHIC SOCIETY
BRITISH COLUMBIA | WASHINGTON | OREGON | MARCH, 2012



Tunicate Colony | Mary Bess Johnson

Pacific Northwest Diver

BI-MONTHLY MAGAZINE & WEB SITE PROMOTING UNDERWATER PHOTOGRAPHY, EDUCATION, & TRAVEL IN THE PACIFIC NORTHWEST | MARCH, 2012

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Pacific Northwest Diver: In This Issue

Welcome to the March issue of Pacific Northwest Diver! This issue's featured photographer is Mary Bess Johnson. Mary Bess is a Mukilteo based photographer who not only takes stunning marine images, she also uses a modified Nikon D200 to take underwater infrared photos, like this month's tunicate cover shot she calls "Nova Blossom." Anacortes based Lu-Jack's Quest is March's featured operator, with photos by Marc Chamberlain, Phil Jensen, and Janna Nichols; and we highlight the work of Lee Newman in Vancouver, BC, Mary Springhorn and Tracy Petersen with Anacortes Diving, and Berni Landau in the Portland area. Also, [Andy Lamb](#) will be speaking on up-dates to his on-line book at the Dive Expo, 10:00 AM Saturday morning.

In this Issue: Vancouver to Portland



To Subscribe: PNWUPS Free Membership



Pacific Northwest Diver is a publication of the Pacific Northwest Underwater Photographic Society (PNWUPS).

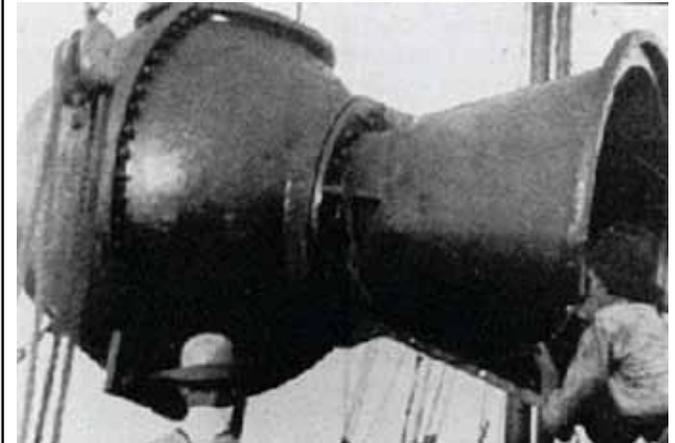
In order to subscribe to this e-publication, please complete the [Subscribe fields on the PNWUPS home page](#). Membership is free, and e-mail addresses are not shared with other groups or businesses. We need an accurate count of subscribers to assist with sponsorships and travel.

We are all over-loaded with e-mail, tweets, etc, so communication from Pacific Northwest Diver and PNWUPS will be limited to one or two e-mails per month, at most.

If you are interested in trips with other underwater photographers and videographers, please check out the Travel Section on page 15. In 2012 we will be photographing dolphins, sharks, and caverns in the Bahamas; whale sharks, sea lions, and hammerheads in La Paz; plus the annual spring kelp forest shoot in Monterey/Pt Lobos.

If you have any questions about subscribing, please contact publisher [Dan Clements](#).

From the Archives: First Underwater Film: 1912



Ernest and George Williamson are credited with creating the first feature length underwater film: [20,000 Leagues Under the Sea](#) in 1912. The photo above is the diving chamber they used to shoot underwater movies.

This black and white, silent film was quite a hit during its time. It was the first encounter many of the general public had with life below the water line. A mock submarine and hydraulic, mechanical octopus were created as props for the film. If you do not want to watch the entire hour and a half movie, check out the following:



- First 2 minute introduction;
- Submarine at 7:35 minutes;
- UW Gardens at 40 minutes
- Sharks at 56 minutes
- Torpedo at 1:21:20 minutes.

Enjoy this early creative work!

Pacific Northwest Diver: Featuring Mary Bess Johnson



[Mary Bess Johnson](#)

During her 1972 dive certification course taught by John Miller, Mary Bess was fascinated by John's macro photographs of jewel-like starfish tube feet and longed to see such marvels firsthand.

On her initial post-certification dive she carried a first-generation Nikonos camera, loaned to her by her brother, Frazer. Bringing back underwater scenes illuminated by a flash bulb seemed miraculous.

When digital technology finally became a viable option, Mary Bess began using a Nikon D-200 in a Subal housing with three Sea & Sea strobes.

The luxury of viewing lighting effects on the digital view screen was a such a boon! She sought unusual scenes to portray the drama taking place beneath the surface. Her aim was to make studio-like portraits of underwater inhabitants.

This image of a swimming scallop brought back memories of a wonderful day in the 1950's when her mother introduced her to the University of Washington's marine

laboratory at Friday Harbor. A researcher plunged a starfish into a tank of scallops, scattering them in all directions.

Later, she turned her attention to searching out scenes of grace and beauty that had more of a fine art than editorial feel. Modeling lights built into her Sea & Sea strobes allowed her to more precisely position her strobes to create the desired effect.

She was disappointed with her black-and-white images as they lacked the contrast and definition she had hoped to produce. When she discovered infrared photography, she decided to try it underwater. It proved to be a frustrating experience.

Since infrared light is not visible to the human eye, it was not possible to predict whether the image a scene might yield would be dull or stunning. By the time she developed her film and made prints, the opportunity to explore what turned out to be an interesting subject was long gone.

One of her first successful infrared images, the stalked jellyfish captured in the Straits of Juan de Fuca (see page 5), motivated her to continue her pursuit. Airline travel with infrared photography became impossible when TSA insisted on opening the light proof film canisters.

Having a Nikon D200 converted for infrared shooting provided several advantages.

First, it was again possible to fly with infrared equipment. Second, it was possible to see the captured scene immediately on the LCD screen, evaluate its potential then experiment with different angles and lighting. Third, with

both a color and infrared body, it was possible to get both versions of a subject for later comparison.

With infrared photography, mundane scenes become incredibly intricate and delicate. In infrared photographs, anything that is white, red, yellow, green or brown looks white.

One key principal Mary Bess discovered is that infrared light does not travel far underwater. Because of this, anything more than a foot or so from the lens merges to black, masks a cluttered background, and provides a wonderful contrast for the light tones.

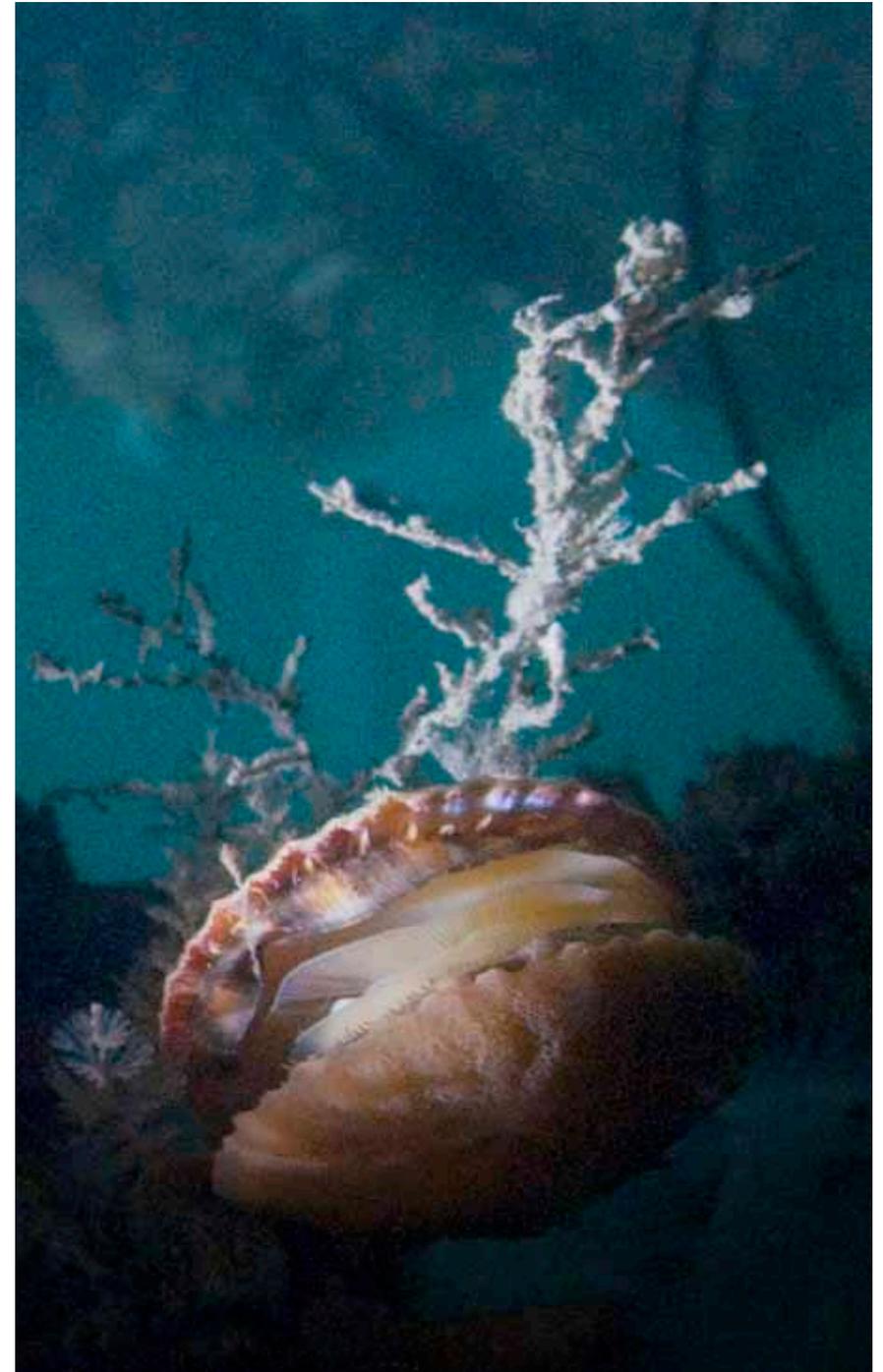
An interesting phenomenon of digital infrared is the color artifact that occasionally appears. Mary Bess's first instinct was to use Photoshop, the post-processing software she uses on her Apple computer, to eliminate the errant color and make the digital image looks the way it would with film capture.

She finally decided, though, to embrace it as part of the new technology. She also uses the inherent softness of infrared, which amplifies the image softness created by the diffusing effect of water, to lend a dreamy feel to some of her images.

Mary Bess recently observed an intriguing effect when photographing animals with a translucent outer covering. The infrared penetrates the outer cover, revealing its underlying structure.

The photo to the right is a swimming scallop 1/200, f11, ISO 800, 75mm, Nikon D200.

e-Mail: mbrjohns@hotmail.com



Pacific Northwest Diver: Mary Bess Johnson, continued

Infrared Photography: "Mini Star"



Stalked Jellyfish (staromedusae) on sea grass
1/250, f/5.6, ISO 400, 60mm, Mary Bess Johnson

Pacific Northwest Diver: Mary Bess Johnson, continued

Infrared Photography: Wanderer

Frilled Dogwinkle (*Nucella lamellosa*) on Sea Grass
1/250, f/14, ISO 400, 60mm, Mary Bess Johnson



Pacific Northwest Diver: Mary Bess Johnson, continued

Infrared Photography: "White Coral Mountains"



Bubble Coral (*Plerogyra sinuosa*)
1/250, f/1, ISO 100, 60mm, Mary Bess Johnson

Pacific Northwest Diver: News Corner

[Northwest Dive & Travel Expo: April 21-22](#)



Rick Stratton and crew have posted [guidelines](#) for entering the 2012 photo and video contest. Remember that the deadline for entries is March 31!

How to Enter

As was the case last year, folks are encouraged to submit entries [on-line](#). Selene has indicated that, due to technical or file size issues, DVD's or other forms of electronic media are acceptable. Please check with the staff by calling/e-mailing 360.240.1874 or via email: photocontest@diveandtravelexpo.com if you plan on alternate submittals.

Photo Categories

There are seven contest categories:

1. Wide Angle, Cold Environment
2. Cold Water Close-up
3. Warm Water Close-up
4. Wide Angle, Warm Environment
5. Artsy or Creative
6. Living as a Diver
7. Environmentally Friendly Photos

Summary of Rules

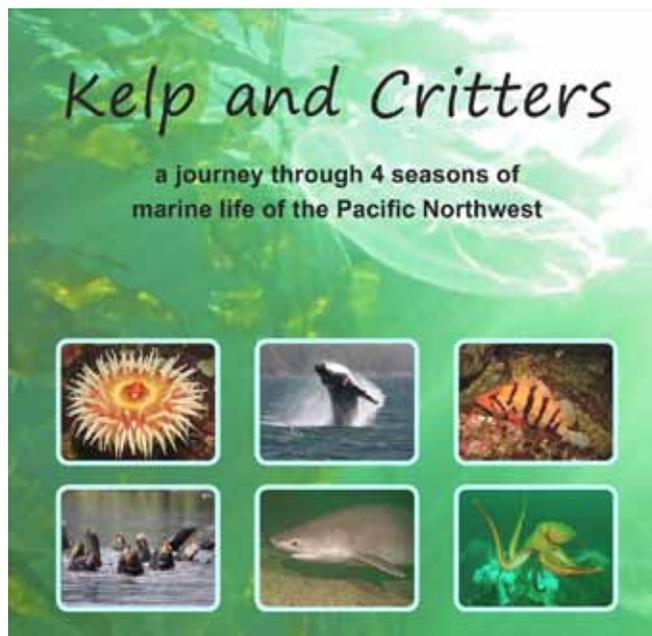
The contest is open to amateur photographers and videographers. No submittals where marine life are stressed will be accepted. Photos that have previously won third or higher in another contest are ineligible. There is a limit of five entries per person per category.

The competition is meant to be a photo contest, not a photo or video editing contest. With the exception of the Artsy/Creative category, no adjustments except the following will be allowed: sharpening, color correction, brightness, contrast, dodging, burning, and cropping. Please check the web site for the full set of rules, and "Good Luck!"

Film Festival

The awards and film festival dinner will start at 7:00 PM. Individual tickets are \$35, a table of eight \$240. Non dinner tickets are \$10, and can be purchased by clicking [here](#).

[Rendezvous Dive DVD](#)



[Rendezvous Dive Adventures](#) on Barkley Sound has just released a DVD entitled [Kelp and Critters: A Journey Through Four Seasons of Marine Life of the Pacific Northwest](#).

This spectacular look at the amazing diversity of marine life in our area was created by Peter Mieras and Kathy Johnson, owners of [Rendezvous Dive Adventures](#).

Kudos to Peter and Kathy not only for creating the DVD, but also using the proceeds from sales to help fund volunteer and stewardship projects.

Some of the projects Peter and Kathy support include:

1. Shark survey week in August
2. BC Cetacean Sighting Network
3. Lingcod egg mass count
4. Derelict fishing net removal
5. REEF.org and rockfish surveys
6. Marine Mammal Rescue Program
7. Bamfield Marine Science Center

Copies of Kelp and Critters may be purchased for \$20 CDN, either by calling Rendezvous at 250.735.5050, or by contacting one of the [retail outlets](#) who carries the DVD.

[Underwater Photo/Video Workshops](#)

Looking to improve your underwater photography or videography? We have tried to list some of the top workshops taught by some of the top underwater photographers.



Stephen Frink
[Waterhouse Tours](#)

6-9/6-16 Digital Master, Key Largo
7-7/7-14 Digital Master, Bonaire
7-14/7-21 Digital Master, Bonaire

Instructors also include Photoshop guru Eddie Tapp and DSLR video expert Frazier Nivens.

Several of us have taken Stephen's workshops, and they were outstanding.



Dr Alex Mustard
amustard.com

6-16/6-23 Underwater Workshop
Red Sea, Egypt on MY Whirlwind
6-23/6-30 Underwater Workshop
Red Sea, Egypt on MY Whirlwind

Local members have taken Alex's Digital Madness class and found it excellent. Less emphasis on post processing and more on shooting.



Berkley White & Others
[Backscatter](#)

6-16/6-23 Digital Shootout,
Little Cayman
9-17/9-17 Backscatter Wakatobi
Lembah Resort, Indonesia

Backscatter runs dozens of training events all over the globe each year. Check their website for details on the program and instructors for each event. Don't let "Mad Scientist" Berkley frighten you!

If you would like a review of any of these workshops, please contact [Jim Boon](#) or [Dan Clements](#). These workshops are outstanding ways of improving your photo, video, and post-processing skills!

Pacific Northwest Diver: Operator/Resort Corner- Lu-Jac's Quest

Moored in Skyline Marina just west of Anacortes, [Lu-Jac's Quest](#), operated by Diver's Dream Charters, is a 42 foot long, 14 foot beam, 25 ton displacement dive boat that is very stable in the water. With a maximum of 12 divers, with ample walk-around deck space, outside seating, and inside cabin area well suited for underwater photographers. Owned by Phil and Judy Jensen of Anacortes, Lu-Jac's Quest dives the San Juan's, Neah Bay, and Sydney/Victoria.



-Lu-Jac's Quest by Janna Nichols

The San Juan Islands offer world class cold water diving. Underwater, the San Juans are the land of the giants: giant gicorn barnacles, giant plumose anemones, and the giant Pacific octopus.

There are also rocks completely encrusted with sponges, cup corals, tunicates, and over a dozen different types of anemones. Red, purple and green sea urchins, nudibranchs of every shape and color, Puget Sound king crab and a full range of sea stars crawl over the reefs.

Other photo subjects include rockfish, lingcod and wolf-eels swimming through the waters. Photographers and videographers enjoy shooting at Deception Pass, and Long Island Wall in the San Juans.

Lu-Jac's Quest started chartering scuba trips out of Anacortes in 1998, and with over 100 dive sites identified so far there is a wide variety of locations. It is possible to dive with [Lu-Jac's Quest](#) again and again without repeating a dive. There is a no harvest policy to preserve the life on dive sites.

Lu-Jac's Quest is equipped with a heated cabin, a drop-down stern platform to ease entry, and two "Christmas tree" ladders for an easy climb back onto the boat.

The standard trip is two dives per day. They also offer a two-day trip, spending the night in Friday Harbor, to dive the islands farther north.

While the boat is licensed for 20 passengers, the normal maximum group size ten to twelve..

The boat is well equipped for photographers and videographers. There are fresh water rinse buckets and plenty of inside table area for charging equipment, changing batteries, and swapping ports/lenses in a dry, clean environment.

If you are interested in diving with [Lu-Jac's Quest](#), please either use the contact information below, or check out the [Reservation Calendar](#) to join a scheduled trip, or to schedule a trip for your group or dive shop.

Charters run year round, so they can schedule trips during the off-season, weather permitting, which is generally better visibility.



Judy and Captain Phil Jensen

Enjoy the photos and photographers taken on Lu-Jac dive outings!

Web: <http://www.lujacsquest.com/diving.html>

e-Mail: charters@lujacsquest.com

Phone: 360.202.0076



Alicia with Puget Sound King Crab, Dave Hicks



Short Plumose Anemone, Nikon D300, 1/100th, f 13, ISO 400, 35 mm, Marc Chamberlain

Pacific Northwest Diver Operator/Resort Corner, continued



- Marc & Michelle Chamberlain

[Marc Chamberlain](#)

Marc is a physician and is Chief of the brain tumor program at the University of Washington, and frequently dives with Phil and Judy on [Lu-Jac's Quest](#).

The biodiversity of San Juan Islands marine life is a big draw for Marc. Two of his favorite San Juan dive spots are Long Island, Whale Rock, and Kellet's Bluff on west side of Henry Island.

In addition to the wide variety of photographic subjects available in the San Juan's, Marc enjoys diving on Lu-Jac's Quest for three other reasons.

First, Skipper Phil. "extremely safety conscious, but everyone has a good time on dive trips."

Second is the boat. It is comfortable, and entering and exiting the water is not an ordeal.

Third is Chef Judy's food. It is always excellent. Hot soup between dives, and tasty sandwiches for lunch are welcome additions to dive outings on [Lu-Jac](#).

For underwater photography, Marc shoots with a Nikon D300 in a Subal housing. Strobes are Sea and Sea 120's, and SOLA 600's. Post processing is done in Lightroom on a PC platform.

Pictured above with Marc is his wife and frequent dive partner, Michelle.

e-Mail: chambemc@seattlecca.org



Puget Sound King Crab, Nikon D300, 1/100th, f 18, ISO 400, 35 mm, Marc Chamberlain

Pacific Northwest Diver Operator/Resort Corner, continued



Pacific Spiney Lumpsucker, Nikon D300, 1/100th, *f* 16, ISO 400, 35 mm, Marc Chamberlain

Pacific Northwest Diver Operator/Resort Corner, continued



Spiny Pink Scallop, Nikon D300, 1/100th, f 20, ISO 400, 35 mm, Marc Chamberlain

Pacific Northwest Diver: British Columbia



[Lee Newman](#)

Lee learned to dive in Southern Ontario in 1978 and became a NAUI Instructor in 1985 while working on Grand Cayman. After a formal education in aquaculture, he moved to Vancouver in 1990 to pursue a career with the Vancouver Aquarium.

In 2008, after a trip to Maui, Lee purchased an Ikelite housing for his Canon 30D and took his passion for photography underwater. Lee credits books and articles by Martin Edge and Alex Mustard, expert tips from local professionals, Jett Britnell and Stewart Sy, as well as lots of practice, for the images he's able to make.

Lee's current interest, aside from the varied marine and aquatic life, is to combine his enthusiasm for photography with his more recent certifications in technical diving and cave diving in order to produce striking images that convey the beauty and importance of places most people might not otherwise ever see.

Lee now shoots with a Canon 7D in an Aquatica housing with one, or two, Ikelite DS-160 strobes and the two lenses that see the most action are his Tokina 10-17mm and Canon 100mm macro.

When not underwater, Lee is the Curator of Tropical Waters at the Vancouver Aquarium in Stanley Park, Vancouver.

e-Mail: demonfish.krib@telus.net



Goblet Sponge
Canon 30D, Tokina 10-17 mm lens, 1/40th, f11, ISO 100

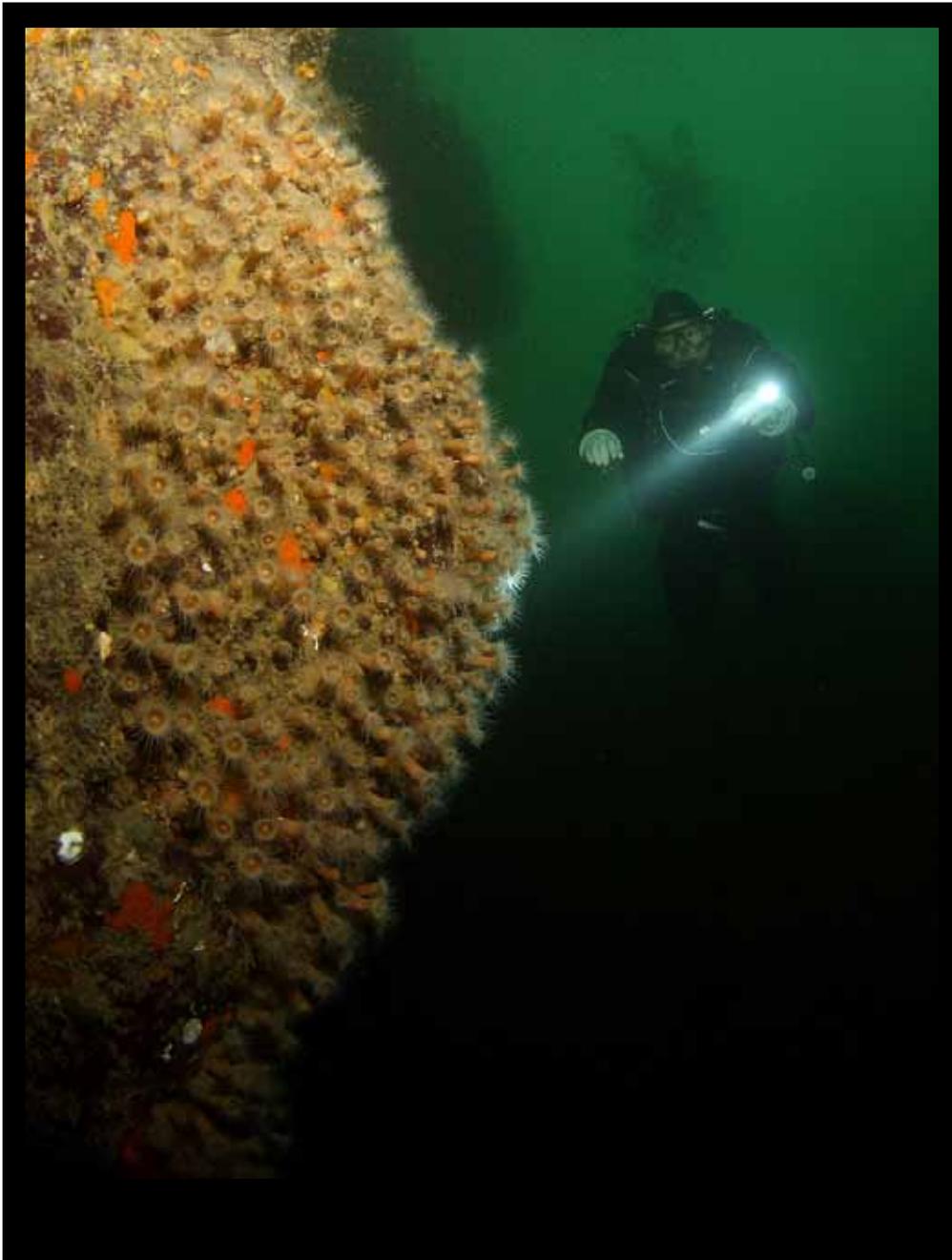


Gorgonian and Diver
Canon 30D, Sigma 15 mm lens, 1/50th, f8, ISO 100



Giant Nudibranch
Canon 30D, Sigma 15 mm lens, 1/40th, f10, ISO 100

Pacific Northwest Diver: British Columbia, continued



Zoanthids and Diver
Canon 30D, Tokina 10-17 mm lens, 1/50th, f 8, ISO 200



Plumose Anemone and Diver
Canon 30D, Tokina 10-17 mm lens, 1/125th, f11, ISO 100

Pacific Northwest Diver: Washington



[Mary Springhorn](#)

Mary was born in Chicago, and is a retired general/vascular surgeon with a BS in Biomedical Engineering from Northwestern University, an MS in Mechanical Engineering from Stanford, and her MD from Loyola University's Stritch School of Medicine.

She was certified in SCUBA diving in Bellingham ten years ago. For her underwater work, Mary is presently shooting a Canon G12 in an Ikelite housing. She and Tracy (see page 16) frequently dive with Anacortes Diving and Supply.

For strobes, she shoots with two DS161 Ikelite strobes, predominately uses aperture priority, an ISO of 100, F-stop usually at 5.6, and automatic white balance. She uses diffusers on both strobes.

Mary says she loves diving in both cold and warm water and has dived in B.C. many times (Port Hardy about nine times...same for Barkley Sound) as well as doing shore diving here in Washington.

Warm water dive trips include: Cozumel, Galapagos, Micronesia (Truk), Malaysia/Borneo, PNG, Fiji, Bali/Komodo, Cocos (Costa Rica), Turks and Caicos, Utila, Saba and the Philippines.

This year will add Bonaire and the Maldives to the list.

When not in the water, she enjoys single-handed sailing her Pearson 424 sailboat, gardening, reading, stained glass, music and rehabbing her 105 year old house.

e-Mail: candc34@nas.com



Reflecting Jelly
Canon A 70, 5 mm, 1/60th, f2.8



White & Orange Tipped Nudibranch
Canon G12, 14 mm, 1/60th, f4.5, ISO 100



Lumpsucker Convention
Canon G12, 16 mm, 1/60th, f5.6, ISO 100

Pacific Northwest Diver: Washington



[Tracy Petersen](#)

Tracy has been diving for less than two years, but she is well on her way to her 300th dive.

Part of the reason she has become such an addict has to be the camera that was placed in her hands just over a year ago. It has become a regular part of the dive experience in almost every situation because of its size.

She shoots with a small point and shoot Sea & Sea 750G 7 Mega Pixel with a YS-15 Auto strobe. Sometimes the light is too low for proper focus and that's when the Light & Motion Sola wrist mounted light comes in handy.

Of course Tracy dreams of upgrading her equipment but for now this is a perfect set-up for a "newbie" diver.

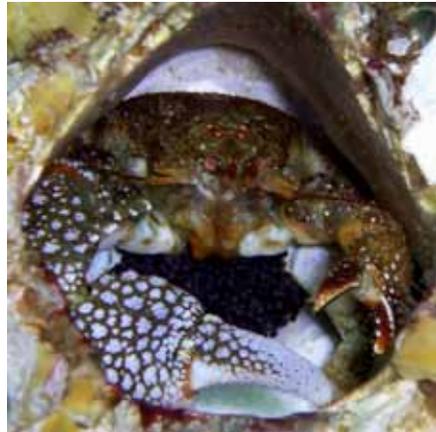
Her post processing is done with Photoshop on a Windows computer. Her advice for new divers/photographers is to take an underwater photo class from your local dive shop and get out there and practice. More diving equals more adventures and experiences and that means more photos!

Tracy tutors math at Skagit Valley College and works at Anacortes Diving and Supply. She has a degree in Theater from WWU and has been in numerous productions in Skagit County as well as directing a few.

She has two grown children and lives in Hamilton with her husband.

Enjoy the images taken by a new diver and photographer with great enthusiasm for the underwater world!

e-Mail: lnes1@inbox.com



Granula Claw Crab, 1/52th, f 4.4, ISO 220



White-line Dirona, 1/6th, f 4.8, ISO 220

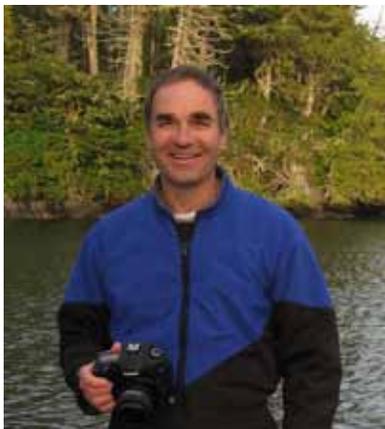


Grunt Sculpin, 1/30th, f 2.8, ISO 200



Candy Striped Shrimp, 1/30th, f 2.8, ISO 200

Pacific Northwest Diver: Oregon



[Berni Landau](#)

A resident of the Northwest and Portland area since 1983, Berni has been a recreational diver for the last 25 years.

He has always had an interest in the oceans of the world, but it was only when the Cousteau Society ship the Alcyone visited Tacoma in

1986 that he decided to give diving a try.

Most of his early diving years were spent doing shore dives in the South Puget Sound with occasional boat dives in the San Juan Islands, the Strait of Juan de Fuca and Neah Bay.

In more recent years Berni has expanded his diving experiences by making multiple trips to the waters of British Columbia. Port Hardy and the Sechart Peninsula are two of his favorite destinations; however, you will still see him spending plenty of time in the local waters of Washington.

"Like many divers, I started UW photography to capture and share my diving experiences with family and friends. I shot film as late as 2009 when a flooded housing finally gave me the impetus to switch to a digital camera.

Since that transition I have not looked back and continue to work on my digital craft.

Despite the extensive tools that digital post processing gives you (to improve an image) it is always best to get the picture right when you first take it."

Berni shoots a Canon 5D camera in a Subal housing with Nikonos SB 105 strobes. Visibility in the PNW limits most of his shooting to macro images taken with either a 50mm or 100mm macro lens.

Post processing of his images is done on a PC platform using Photoshop CS5.

When not diving, Berni works as a development engineer in the semiconductor industry.

e-Mail: bernilandau@comcast.net



Scalychad Sculpin, 50 mm, 1/200th, f 20, ISO 200



Red Gilled Nudibranch, 100 mm, 1/200th, f 22, ISO 160



Dall's Dendronotid, 100 mm, 1/200th, f 25, ISO 160



Pink Brooding Anemone, 100 mm, 1/200th, f 22, ISO 200

Pacific Northwest Diver Travel Corner

2012 TRAVEL



At this time we have three out of area trips lined up: Monterey in April, Bahamas in June, and La Paz in October. Here are the details. If any of these trips are of interest to you, please contact [Dan Clements](#).

Monterey/Pt Lobos

We will be diving/photographing at Monterey/Pt Lobos from April 23-27. As currently structured, these will be shore dives. If there is sufficient interest, we will look into some boat diving. Lodging in Monterey it is approximately \$85/night.

Bahamas: May 31 - June 9

For the fourth year in a row we will be heading to Grand Bahama Island and diving with UNEXSO. The trip includes two dolphin dives, a shark dive, a cavern dive, and diving the coral and wrecks off Lucaya. You do not need to be cave certified to dive Ben's Cavern: the exit point is visible at all times.

This past year pricing was approximately \$1,560 per person, double occupancy, and it is anticipated this year's cost will be similar. Included are all dives, room, breakfast, and airport transfer. Not included is airfare, lunch, and dinner.

La Paz: October

We just returned from a February dive/underwater photography trip to La Paz, Baja California, Mexico and Bahia Magdalena to check out hotels and operators.

La Paz has resident whale sharks from September through March, and we saw 3-10 each time we went out to photograph them. Sea lions at Los Islotes, scalloped hammerheads, and many other photo subjects are present.

Dates and costs are being firmned up, but we are working with [Posada Luna Sol](#) for accommodations, and diving with [Buceo Carey](#), an SSI operator located in the marina just a short walk from the hotel.

This set-up would enable us to stay in town. La Paz is a nice town with great restaurants.



Grand Bahama Bottlenose Dolphins

This is an outstanding opportunity to photograph and interact with dolphins in their own environment.



Sea Lion Playing with My Fin at Los Islotes

Young sea lions approached divers to frolick and play.



Tropicals

And, of course, the Bahamas have a full array of tropical fish and wrecks for your enjoyment.

Pacific Northwest Diver Technical Corner: Fiber Optic Strobe Ring

Looking for a better way to light up your underwater macro and super macro shots? Check out the Saga fiber optic strobe ring. A prototype was shown at DEMA 2010 in Las Vegas, and Saga presented a full production model at DEMA 2011 in Orlando. REEF participated in the demonstration, but we have not heard if they are presently carrying the unit. This is an accessory that focuses light through fiber optic cables attached to the flash head. It promises to be exception for use in macro and super macro photography.

The working distance is approximately: 2.5 to 10 cm. It can adapt to almost every port, except for some with multiple steps. By providing a circular light, images can be composed either in any position either horizontal, vertical, or inclined and have perfect lighting in hard to reach places where a conventional flash could not properly illuminate such as cracks, holes, etc. Made in Delrin and 2 mm diameter coated fiber, the unit fits most flashes and ports. As mentioned above, it is rumored that REEF will be a North American supplier, but so far they have not verified this. Until then, check out the link to [Saga Dive](#). The unit retails for 725,00€.



Pacific Northwest Diver: Our Team

The Pacific Northwest is a large, diverse region with diverse interests in underwater photography and videography. In order to make it easier for you to submit information about photographers, dive clubs, and operators/resorts in your area we have key contacts for British Columbia, Washington, and Oregon. Since we are all volunteering our time and efforts, we also hope to spread the work-load so we will all have ample time for diving and photography!

Below are our contacts, please either get in touch with one of the regional contacts listed below, or contact editor [Dan Clements](#) directly.

British Columbia: Marli Wakeling



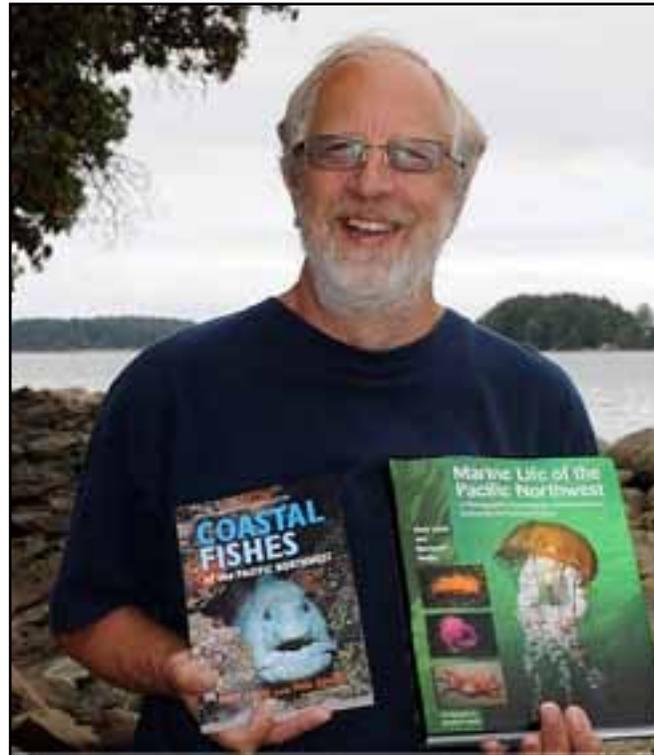
604.549.0095 | scubamarli@gmail.com
www.marliwakeling.com

Washington: Jim Boon



206.947.0297 | jamesboon@me.com
www.jimboon.com

Species ID: Andy Lamb



Don't forget that Andy will be making a presentation at the Dive Expo at 10:00 am on Saturday morning. The topic will be updates to the online version of Marine Life of the Pacific Northwest. He will be focusing on 'new' species and additional colour varieties made possible by contributions from local underwater photographers/citizen scientists.

250.246.9770 | andylamb@telus.net
<http://www.cedar-beach.com/index.shtml>

Oregon: Steve Billings



503.452.5197 | stevenbillings@yahoo.com
<http://www.flickr.com/photos/55273250@N00/>

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