

# SUNDAY SEMINARS

Room numbers and times are subject to change

## SEASIDE 7 IQ SEMINARS

SEASIDE 1		SEASIDE 3	
			8AM - 8:30AM Welcome and Schedule Review <i>Presented by Derik Crofts</i>
11AM - 12PM	<p><b>Dive the World</b> <i>Presented by Marty Snyderman</i></p> <p>In this seminar, longtime underwater photographer Marty Snyderman is going to share some of his favorite images and adventures from his diving career. Marty will discuss where he went and some places you might want to go to see certain animals and a "behind the lens" look at some of the keys to his photographic success as he takes you on a tour of the diving world. The presentation will be a bit like coming over to Marty's house and looking at slides and sharing stories from some of his more memorable diving adventures.</p>	<p><b>Tips to be a Prepared Traveler</b> <i>Presented by Betty Orr</i></p> <p>The world of travel is changing and you should change the way you prepare for it. An entertaining and enlightening compendium of travel tips and advice for your next trip, with thoughts on how to be better prepared for all of those twists that the adventure of travel throws at you.</p>	8:30AM - 9:30AM <p><b>Diver Fatalities - Lessons Learned</b> <i>Presented by Dan Orr</i></p> <p>This presentation reviews risks in various types of recreational scuba diving with a detailed discussion of an analysis of nearly 1,000 scuba diving fatalities identifying the most significant triggering events that transformed a recreational diving experience into a fatality. The discussion will then deconstruct a diving experience that led to a diving fatality, identifying actions that may have contributed to the diving accident. The discussion will help identify and mitigate risks in order to maximize the enjoyment of recreational scuba diving.</p>
12PM - 1PM	<p><b>Where 'Ya Gonna Go When the Kelp Don't Grow??</b> <i>Presented by Captain Patrick Smith</i></p> <p>In 2003 an alien invader was discovered in Long Beach Harbor. This alga known as Sargassum horneri, was not immediately viewed with any particular concern, but in the 14 years since its discovery, has proven to be a tenacious and deadly competitor. Its flourishing in coastal areas and offshore from our Northern Channel Islands to central Baja California might spell the reduction or end of this coast's iconic kelp forests, and a majority of the life that ecosystem supports. And yet its threat is so ignored by the California Department of Fish and Wildlife. This presentation will look at the current conditions and impact on some of what used to be Southern California's most lush and biologically diverse dive locations, the environmental and economic consequences of what this invasion has caused so far, and speculation on the best and worst case scenarios for the future.</p>	<p><b>Coastal Flavor: Enjoy the Bounty of California Waters</b> <i>Presented by Trevor Cook, the Scuba Chef</i></p> <p>Back by Popular Demand. A fun and informative look at the bounty off our coast. Join Chef Trevor Cook, The Scuba Chef, as he educates you about what is edible, the seasonality of species, how to catch the right seafood and how to prepare your catch for cooking. Trevor will demonstrate with round fish such as calico bass, flat fish like halibut as well as shell fish and lobster. Come learn about our coastal bounty, responsible harvesting and the best way to preserve your catch including cooking tips and recipe ideas.</p>	10AM - 11AM <p><b>Lionfish Venom: Cardiovascular, Neuromuscular, Cytotoxic, and Immunologic Effects</b> <i>Presented by William K. Dolen, MD</i></p> <p>Introduced in the West in about 1985, these invasive species have no natural predators here, reproduce prolifically and feed ravenously, making them a danger to reefs. Culling programs have focused on killing them at depth, trying to teach other animals to feed on them (illegal in certain regions), and bringing them to the surface for food. Hunting lionfish is becoming a popular sport. As a result, envenomation is becoming more prevalent as the spines are being handled. We will analyze a complex case of lionfish envenomation, with apparent neurologic sequelae and discuss how lionfish venom components have multiple potential consequences. You will also learn how to formulate a first-aid response to lionfish envenomation during this informative and engaging presentation.</p>
1PM - 2PM	<p><b>Shooting Local: From Lackluster to Legendary</b> <i>Presented by Andy Sallmon &amp; Allison Vitsky Sallmon</i></p> <p>Andy and Allison are among the most published North American underwater photographers today, and many of their most in-demand or award-winning images were taken in California. Using photos that have been successful in the past five years as illustration, they will talk about getting the best possible images from California diving, including seeking out marine life, dealing with challenging conditions, and taking advantage of unexpected opportunities.</p>	<p><b>The Incredible Leopard Shark</b> <i>Presented by Allison Randolph</i></p> <p>In this dynamic presentation, Marine Biologist and Ocean Conservationist Allison Randolph, explains the incredible nature of leopard sharks (triakis semifasciata). Despite their beautifully unique markings, the fact that hundreds of them aggregate in La Jolla, California, each year, and that they are absolutely incredible to observe underwater, their behavior has largely been enveloped in mystery until recently. Allison invites you to dive into the world of the leopard shark through this visually stimulating presentation including elements of shark science, tourism, conservation, and more.</p>	11AM - 12PM <p><b>Just Add Water: Engaging College Students and Youth in SCUBA Diving</b> <i>Presented by Amy Hufton</i></p> <p>Between 2012 and 2016, the recreational dive program enrollment at Texas A&amp;M Galveston increased by over 134%, while the school's undergraduate enrollment increased by 20%. Students in the TAMUG SCUBA course were enrolled in 1.4 more credit hours and had .131 higher points in their average GPA than non-participants. The conclusion is that the courses and culture developed within the TAMUG SCUBA program have resulted in high-impact learning and increased inclusion. Explore this unique case study to understand how clear communication with decision makers and demonstrating evidence of value can build similar programs.</p>
2PM - 3PM	<p><b>Up Close and Personal: Approaching Shy Marine Life</b> <i>Presented by Mark Strickland</i></p> <p>Whether you're interested in capturing marine life with a camera or simply observing, there is no substitute for being physically close. From tiny gobies to massive whales, many animals are inherently shy, making close interaction difficult. When approached properly, however, most sea creatures are surprisingly tolerant of divers. This seminar will teach you techniques that can turn fleeting glimpses into relaxed, intimate encounters. You'll learn how to approach shy animals, gain their trust, and get close without scaring them away, making every dive a more enjoyable and rewarding experience.</p>	<p><b>Hunting Poachers Using SpecOps Techniques</b> <i>Presented by Scott Cassell</i></p> <p>I am an Undersea Explorer, but few that study the sea can escape seeing lawless acts of poaching, overfishing or polluting. Motivated to preserve life, I have filmed poachers killing some of the most endangered animals on earth including Tuatua, Vaquita, Sharks, &amp; Sea Turtles.</p> <p>For 20 years I have made countless rECON Dives often while Using Spec Ops Techniques and equipment, preferring to work alone for stealth. The more secret I am, the better the mission success often operating directly under their noses.</p> <p>In this 50-minute talk I expose a little of the dark world of Hunting Poachers.</p>	1PM - 2PM <p><b>Amazing Polar Diving Adaptations</b> <i>Presented by Michael A. Lang, Ph.D. and Karen B. Van Hoesen, M.D.</i></p> <p>Reasons why competitive advantages exist to being a polar inhabitant compared to living in tropical or temperate environments are highlighted. The Arctic is an ocean surrounded by continents while the Antarctic is a continent surrounded by oceans, yet these diving sites are remarkably different. Learn how divers prepare their thermal and life support systems and diving skills to be able to participate in the growing expedition journeys to unique polar dive sites.</p>
3PM - 4PM	<p><b>Cuba: Travel to a Once Forbidden Country</b> <i>Presented by Eric Hanauer &amp; Karen Straus</i></p> <p>Since the US government has begun to normalize relations with Cuba, American tourists have begun to flock to this once forbidden country. Having traveled there four times over a 13 year period, I've seen significant changes. We will discuss several ways to get there, what to expect from the land and the people, and show scenes from diving Jardines de la Reina, one of the last virgin reefs in the Americas.</p>	<p><b>Wide Angle Explorations – Shipwrecks, Thresher Sharks, Saltwater Crocodiles, and Portraits from Cozumel</b> <i>Presented by Ken Knezick</i></p> <p>Ken Knezick's presentation will share techniques and strategies for improving your wide-angle photography. The discussion will include equipment choices, camera settings, lighting, image composition, approaching marine life and much more. Photos used to highlight the technique include Truk Lagoon shipwrecks, saltwater crocodiles from Cuba, Thresher Sharks from Malapascua, Philippines, and portraits from Cozumel. Join Ken for a seminar packed with education, marine beauty, humor and fun.</p>	2PM - 3PM <p><b>Artisanal Fishermen Divers of the Yucatan Peninsula</b> <i>Presented by Chin W, Huchim-Lara O, Ninokawa S, Chan E, Huang C, Ellie Joo</i></p> <p>In the Yucatan Peninsula of Mexico, artisanal fishermen have adapted capture techniques that use compressed gas as a form of diving to capture fish. Unfortunately, the prevalent use of this type of diving/fishing in most of the Yucatan Peninsula has dramatically increased the occurrence of decompression illness (DCI), to where DCI has become an epidemic and a public health emergency in this region. We report our five years of experience with understanding dive behavior and capture techniques among the fishing communities of Yucatan.</p>
			3PM - 4PM <p><b>Two Decades of Deep Stop Training</b> <i>Presented by Tim O'Leary and Bruce Wienke</i></p> <p>Look at a historical view of the development of the NAUI RGBM ranged mixed gas tables through the eyes of the living laboratory of NAUI instructors from the early 90's through today. You will analyze the early dives on NAUI RGBM on the Andrea Doria, Swiss Alps, Mediterranean, and the experimental living lab of Roatan. Along with correlations of the NAUI RGBM tables coupled with dive planning software with experiments, tests and downloaded computer profiles are discussed.</p>
			4PM <p>Closing and Dive Trip Winner Announcement</p>