

OCEAN HEALTH

MONDAY, JANUARY 30, 2017

8:00 a.m. Gordon Sichi, Headmaster, and Suzie Sichi, Head of Faculty, Anacapa School

An Introduction to This Year's Synthesis Unit on Ocean Health

9:00 a.m. Ben Halpern, Ph.D., Chief Scientist of Ocean Health Index



Measuring and Mapping the Health of the World's Oceans

We had the pleasure of having Ben speak to Anacapa in 2010 for our *Global Climate Change Synthesis Unit*, and are thrilled that he has returned to Anacapa to share his wealth of knowledge on Ocean Health. Ben also helped us to build our impressive line-up of speakers for this synthesis unit; for which, we couldn't be more grateful.

Ben received his Ph.D. in marine ecology from UCSB in 2003. Currently, he is the Director of the UCSB National Center for Ecological Analysis and Synthesis (NECEAS); Director of the Center of Marine Assessment and Planning (CMAP) and a Research Biologist at UCSB. He's on the faculty at the Bren School of Environmental Science & Management; Chair in Marine Conservation at Imperial College in London; the lead scientist for the Ocean Health index project and much more. Please welcome back Ben Halpern!

10:00 a.m. Erik Vance, Science Writer - VIA SKYPE



Sharks, Dolphins and the Future of the Ocean

Erik Vance is a Bay Area native, who relocated to Mexico and is skyping from us live from the Pacific Ocean! With degrees in biology and science communication, Erik's work as a Science Writer has appeared in *The New York Times*, *Nature*, *Scientific American*, *Harper's*, *National Geographic*, and a number of other local and national outlets. We are pleased to introduce Erik Vance via Skype!

11:00 a.m. Kyle Neumann, Ph.D. Student, Interdepartmental Graduate Program in Marine Science at UCSB



Using Robotics to Study and Explore the Oceans

Kyle came to Anacapa after a funny encounter with our very own, Bryan Anderson. The conversation led to Kyle becoming the point person on getting our ROV program up and running! Kyle graduated from Oregon State University with a Bachelor of Science in BioResource Research and a minor in Chemistry. While pursuing his Ph.D. at UCSB, Kyle is a video engineer for The Nautilus Exploration Program, where *Nautilus*, a 64-meter research vessel operated by the Ocean Exploration Trust explores the oceans focusing on three main areas of marine science: biology, geology and archeology. Please welcome Kyle Neumann!

1:00 p.m. Steve Sapienza, Senior Producer, Pulitzer Center for Crisis Reporting - VIA SKYPE



Human Trafficking and Labor Abuse in the Thai Seafood Supply Chain

Steve Sapienza is an award-winning news and documentary producer who has covered a wide range of human security stories in many countries including Haiti, Dominican Republic, Sierra Leone and Cambodia. He is a regular contributor to *PBS NewsHour* and *Al Jazeera* and as senior producer for the Pulitzer Center, Steve shoots and produces stories from the field and also contributes to Pulitzer's multimedia and broadcast endeavors. Please welcome Steve Sapienza!

2:00 p.m. Craig Welch, Environment Writer, National Geographic - VIA SKYPE



Oceans of the Future

Craig Welch has won countless awards for his environmental writing over the last 20 years. He served as the environment writer for *The Seattle Times* for more than 14 years, and is currently the environment writer for *National Geographic*. His work has appeared in *Smithsonian Magazine*, the *Washington Post*, and *Newsweek*. He has even written a book, *Shell Games: A True Story of Cops, Con Men, and the Smuggling of America's Strangest Wildlife*, a nonfiction detective story about wildlife thieves. We are pleased to welcome Craig Welch via skype!

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TUESDAY, JANUARY 31, 2017

8:00 a.m. Norah Eddy, Co-Founder and Head of Sales, Salty Girl Seafood



Ocean Health and the Seafood Industry: Business as Usual in a Changing Ocean Environment

Norah is a UCSB Bren School of Environmental Science & Management graduate. Her master's thesis was working to improve the Galapagos lobster fishery, which led her and fellow Bren school grad to co-found, Salty Girl Seafood, a company that believes in things like: knowing where your food comes from, healthier ingredients and celebrating fishermen who harvest responsibly. Please welcome Norah Eddy!

9:00 a.m. Bob Miller, Associate Research Biologist, Marine Science Institute



Kelp Forest Ecology and Health, Now and in the Future

Bob is a research biologist with interests in marine ecology, particularly kelp forests and other benthic communities. He also conducts research in image analysis and patterns of marine biodiversity. Bob is the Project Investigator with the Santa Barbara Coastal Long-Term Ecological Research (LTER) program. He is also the lead on a five-year research project for the Santa Barbara Channel Marine Biodiversity Observation Network (SBC MBON). Please welcome Bob Miller!

10:00 a.m. Halley Froehlich, Ph.D. Postdoctoral Researcher, UCSB National Center for Ecological Analysis & Synthesis



Marine Aquaculture and the Future of Sustainable Food

Halley received her Ph.D. from the School of Aquatic and Fishery Sciences at the University of Washington and Bachelor of Science in Animal Biology from the University of California, Davis. Currently, Halley is a postdoctoral researcher for the National Center for Ecological Analysis and Synthesis, and involved with the Science for Nature and People Partnership (SNAPP) working group evaluating sustainable open-ocean aquaculture around the globe. Please welcome Halley Froehlich!

11:00 a.m. Katie Jewett, Science Writer, California Academy of Sciences - VIA SKYPE



A Sailor's Dispatch on Science Communication

Katie received her degree from Stanford University in human biology with a concentration in marine policy and science communications. Currently, she is a science communicator at Cal Academy of Sciences. Katie produced a film, *In Pursuit of Plastics*, about an expedition aboard the "Sea Dragon" sailing through the North Atlantic Gyre to measure ocean plastics distribution. We are pleased to welcome Katie Jewett via skype!

1:00 p.m. Hunter Lenihan, Ph.D., Professor, Bren School of Environmental Science & Management



Coral Reef Ecology and Conservation

Hunter is a professor and dedicated researcher. His primary research interests lie in the fields of fisheries, conservation, and restoration ecology, especially in connection with fisheries management and restoration. He is also exploring ecological and oceanographic processes that regulate coral populations, with the goal of developing new techniques for coral reef restoration. Hunter's overall objective is to generate new ideas and methods for marine resource management and train young scientists interested in community-based research and management. Please welcome Hunter Lenihan!

2:00 p.m. Sean Fitzgerald, Ph.D. Student, UCSB Bren School of Environmental Science Management



Learning to Fish Sustainably in Our Own Backyard

Sean received two degrees from the School of Marine and Atmospheric Sciences at Stony Brook University in Stony Brook, NY; a BA in Environmental Studies and a BS in Marine Vertebrate Biology. Sean made his way west to UCSB and is Interested in the conservation of fishery populations in order to maintain or restore healthy ecosystem function and to provide economic benefits for fishermen. Please welcome Sean Fitzgerald!

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WEDNESDAY, FEBRUARY 1, 2017

8:00 a.m. Elizabeth Becker, Ph.D., Marine Research Scientist/Contractor, Southwest Fisheries Science Center



An Update on the Vaquita, is Extinction Imminent?

Anacapa was fortunate to have Elizabeth speak to us in the fall of 2015, alerting us to the endangered Vaquita porpoise. Through her dedicated research with the Southwest Fisheries Science Center, we are thrilled that Elizabeth has returned to give us an update on the Vaquita. Please welcome Elizabeth Becker!

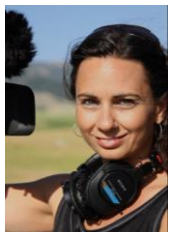
9:00 a.m. Michaela Clemence, Program Director, Sustainable Fisheries Group, UCSB



Solutions for Small-Scale Fisheries and the Communities Who Depend on Them

Michaela received her master's degree in coastal marine resource management from the Bren School of Environmental Science and Management. Her graduate work focused on marine spatial planning and bio-economic modeling for offshore shrimp aquaculture in Mexico. At her current role, Michaela works with partners to integrate innovative science and modeling into on-the-ground projects. Please welcome Michaela Clemence!

10:00 a.m. Gianna Savoie, Filmmaker and Founder, Ocean Media Institute - VIA SKYPE



I Am Ocean: Casting a Light on Ocean Health through Visual Storytelling

Gianna is an award-winning writer and Natural History filmmaker. Her work has been featured worldwide on *PBS*, *Discovery*, *Animal Planet*, *National Geographic*, and the *BBC*, among others. Gianna was trained as an Environmental Biologist, but managed to combine her love of science with the art of filmmaking to craft stories that inform, and deeply resonate. We are pleased to welcome Gianna Savoie via skype!

11:00 a.m. Alex Bennett, Policy Analyst, Heal the Ocean



Healthy Ocean, Happy Santa Barbara

Alex received his master's degree from the Bren School of Environmental Science at UC Santa Barbara, where he pursued a specialization in Water Resources Management. In his current role at Heal the Ocean, Alex is involved in various research projects while also working on local water policy initiatives. Please welcome Alex Bennett!

1:00 p.m. Darcy Bradley, Postdoctoral Researcher, Marine Science Institute



Healthy Ocean, Healthy Sharks

Darcy received a BA from Princeton University, and after several years in Thailand, Indonesia, and Western Australia working as a field technician and analyst with a shark research and conservation organization, she returned to her hometown of Santa Barbara to pursue a Ph.D. at the Bren School of Environmental Science and Management. Darcy currently has a joint appointment with Sustainable Fisheries Group and The Nature Conservancy's California Oceans program. In this role, Darcy is working with big data and emerging data collection technologies to improve fisheries management for highly migratory species. Please welcome Darcy Bradley!

2:00 pm Holly Lohuis, Marine Biologist & Executive Coordinator for Jean-Michel Cousteau



The Sustainable Future: Preserve the Oceans, Protect Ourselves

Holly is a marine biologist and educator for over 25 years, appearing in many of Jean-Michel Cousteau's documentaries. Holly has been a member of Cousteau's expedition team for over 20 years and acts as a liaison between the team and scientists and is responsible for confirming the factual accuracy of Ocean Futures Society's documentaries and publications. Holly received her degree in aquatic biology from UC Santa Barbara. It is our pleasure to welcome Holly Lohuis!