

Opening Reception

Ocean Tapas: Small Bites of Big Ocean Issues

Saturday, May 14, 2011, 6:30 pm
(Carson Hall, at the Victoria Conference Center)

At this evening plenary you'll get a taste of what's to come. Five environmental journalists will interview a panel of marine experts, diving to the bottom of some of today's most pressing ocean issues. They'll seek solutions and explore some of the opportunities and challenges that society faces in pursuit of sustainable ocean ecosystems. Nancy Baron of COMPASS and author of "Escape from the Ivory Tower: A Guide to Making Your Science Matter," will moderate a fast-paced discussion with audience participation. Bring your tough questions and an open mind and be ready for a lively conversation that will continue at the reception that follows.

6:30 pm Doors open

7:00 pm Panel discussion

8:00 pm Reception at the **Empress Hotel Crystal Ballroom** with "tapas" hors d'oeuvres and cash bar.

The Issues: Each journalist will investigate one issue making cross connections. Scientists will share both their knowledge and perspectives. We'll also invite questions from the audience.

The Journalists:

Jeff Burnside – NBC TV Miami

Juliet Eilperin – Washington Post

Lisa Johnson – CBC Radio and TV

Nicola Jones – Nature

Judith LaVoie - Times Colonist, Victoria

Scientists/Experts

Phil Dearden – University of Victoria

Sarah Fowler – NatureBureau International

Russ Jones - Haida Fisheries Program

Nancy Knowlton – Smithsonian National Museum of Natural History

Stephen Palumbi – Stanford University

Daniel Pauly – University of British Columbia

Hugh Possingham – Ecology Centre, University of Queensland

Martin Robards – Wildlife Conservation Society

Mary Ruckelshaus – Natural Capital Project



Moderator: Nancy Baron – COMPASS

A zoologist and science writer, Nancy is the Ocean Science Outreach Director for COMPASS. She is also the lead communications trainer for the Aldo Leopold Leadership Program. In these capacities, she works with environmental scientists helping them translate their work effectively to journalists, the public and policy makers. Nancy holds communications training workshops around the world for academic scientists, graduate students and post docs as well as

government and NGO scientists. She has an interdisciplinary Masters degree in Global Marine Studies from the University of British Columbia, a B.Sc. in Zoology and has won numerous science writing awards. In August 2010 Nancy completed a communications guide book for scientists titled *Escape from the Ivory Tower: A Guide to Making Your Science Matter* (published by Island Press). This book summarizes her ten years of experience working as a personal coach and trainer to many well-known environmental scientists. It includes contributions from her COMPASS colleagues, as well as the voices and experiences of leading journalists and scientists. More about the book here: www.escapefromtheivorytower.com

JOURNALISTS



Jeff Burnside – NBC TV Miami

Jeff Burnside has been in the news business for more than 20 years working in cities such as Seattle, Boston and now Miami where he helped establish the highly regarded WTVJ Special Projects Unit. Jeff has specialized in investigative, long-form, and environmental stories, and covers daily news. He's won dozens of journalism awards for television and newspaper reporting and photography. Recently, he was awarded top national investigative awards from Investigative Reporters and Editors, the National Press Club, and the Clarion Awards; an Edward R. Murrow Regional Award and 10 regional Emmys.

Jeff is a frequent speaker and panelist on journalism including the 2011 Center for Strategic & International Studies' Transatlantic Media Network in Oslo. He's taught Aldo Leopold fellows for 10 years. This October, he'll be Chairman of the Society of Environmental Journalists' annual conference in Miami and serves on the SEJ board, and the board of the National Association of Television Arts and Sciences

southeastern U.S. region. He serves on the Advisory Committee of the Scripps Institute on the Environment. He's served on the Advisory Council for the Pew Institute for Ocean Science, the Selection Committee for Chairs of the Knight Centers at the University of Miami, and the board of the Wildlife Care Center in Fort Lauderdale. Media fellowships include Carnegie Mellon Steinbrenner Institute, Covering the Green Economy at the Walter Cronkite School of Journalism (Arizona State University), the Metcalf Institute for Environmental Reporting (University of Rhode Island) and a fellowship at the Western Knight Center for Specialized Reporting in political coverage (University of Southern California Annenberg School).



Juliet Eilperin – Washington Post

As The Washington Post's national environmental reporter, Juliet Eilperin first slipped into the water with sharks in the spring of 2005, when she visited researchers at the Bimini Biological Laboratory (commonly known as "The Shark Lab") in the Bahamas. After becoming fascinated with these ancient creatures—as well as the new discoveries scientists have been making about how they travel, feed and reproduce—Ms. Eilperin began a worldwide pursuit of sharks and the people whose lives have become inextricably linked to them over the years. This quest took her to both of Mexico's coasts, as well as to a tiny village in Papua New Guinea, influential trading centers such as Hong Kong and Shanghai, a remote archipelago in Indonesia and the surfing mecca off Cape Town.

When she was not spending time with fearsome ocean predators, Ms. Eilperin has covered issues ranging from climate change to the 2008 presidential campaign for the Post. She launched the paper's Post Carbon blog in December 2009, and in the wake of the Deepwater Horizon explosion in April 2010, she wrote several investigative pieces exposing the lack of federal oversight over offshore drilling. Her environmental reporting assignments have entailed trekking on the Arctic tundra with Salma Hayek and Jake Gyllenhaal and searching on her hands and knees for rare insects in the caves of Tennessee. Ms. Eilperin has received numerous environmental fellowships and honors, including the 2011 Blue Frontier Campaign-Peter Benchley Award for media coverage of ocean issues.

A born-and-bred Washingtonian, Juliet Eilperin graduated in 1992 magna cum laude from Princeton University, where she received a bachelor's in Politics with a certificate in Latin American Studies. She has worked for the Post since March 1998, starting as its House of Representatives reporter before switching to the environment beat in April 2004.



Lisa Johnson – CBC Radio and TV

Lisa tells stories daily for the Canadian Broadcasting Corporation in Vancouver, on topics ranging from killer whales to compost to bisphenol-A. In eight years with the CBC, she's worked in radio, television and online, reported from a one-person bureau in the mountains of British Columbia, and helped create a national summer radio program on the environment. Lisa has an Honours degree in Biology, so she's watched fish mating dances and isn't afraid of math. She graduated with her Masters in

Journalism from UBC in 2004 with the Hal Strait Gold Medal for the top student in the class.



Nicola Jones – Nature

Nicola Jones is an award-winning freelance science journalist based from her home in Pemberton, near Vancouver BC. She divides her time between writing news and features articles, mainly for publication in the science journal Nature, commissioning Comment (op-ed) pieces for Nature, and co-teaching science journalism at the University of British Columbia's School of Journalism. She has a BSc in chemistry and oceanography from UBC, as well as a Masters of Journalism. She has worked as a reporter for New

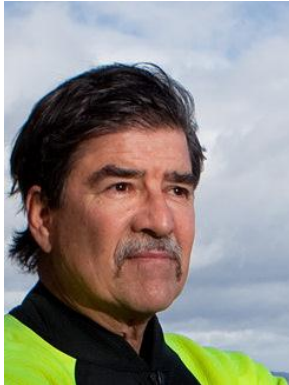
Scientist magazine, and has been the online news editor, acting chief features editor, and assistant news editor for Nature in their London office, where she lived and worked for 9 years before returning home to BC. Her main focus is on the earth sciences, but she has written about anything and everything from the growth of 'fake' meat in the lab to the redefinition of the unit of temperature. You can find out more about her life and work at <http://nicola-kim-jones.blogspot.com/>.



Judith LaVoie - Times Colonist, Victoria

Judith Lavoie is the environment and First Nations reporter for the Victoria Times Colonist, and has a particular interest in whale and salmon stories. Born in England, Judith has lived in Canada for 35 years. She previously covered provincial politics for the Times Colonist and has worked on newspapers in England, Cyprus and New Brunswick. She is a four-time winner of the Jack Webster Award for news reporting and was nominated last year for a Michener Award.

PANELISTS



Phil Dearden – University of Victoria

Philip Dearden is Professor and Chair of Geography at the University of Victoria where he leads the Marine Protected Areas Research Group. The research interests of this interdisciplinary group range from seagrass ecology and MPA connectivity through to community livelihoods and the implementation of incentive –based conservation approaches. Dearden is particularly interested in understanding MPA use patterns, zoning and developing incentive-based approaches to conservation and advises the

World Bank, Asian Development Bank, UN, IUCN and national governments in Asia on marine protected area management. He is currently engaged in advising the Government of Thailand on a marine gap analysis and corridors project and leading Project IMPAACT on the impacts of climate change on the MPA network on Thailand's Andaman coast. In addition he has active research projects in Mexico, Thailand, Comoros, Tanzania and Ghana as well as Canada. He is the Leader of the national MPA Working Group for the Ocean Management Research Network, and Co-Chair of Parks Canada's NMCA Marine Science Network.



Sarah Fowler – NatureBureau International

Sarah Fowler has a First Class Joint Honours Degree in zoology and marine zoology from the University College of North Wales, Bangor, and an MSc in Conservation from University College, London. In addition, she has 30 years of professional experience in the field of applied marine biodiversity conservation and natural resource management. Fowler spent eight years as a marine ecologist in the former UK government conservation advisory agency,

the Nature Conservancy Council (NCC). As Deputy Head of NCC's Marine Science Branch, NCC's Diving Officer, Sarah provided specialist and technical advice on marine biodiversity issues from legislation and coastal development impact assessments to marine protected areas, managed commissioned research and, as a diving biologist and underwater photographer, undertook field survey and monitoring. Sarah left NCC to become Director of Marine and Coastal Services for Naturebureau International, an ethical environmental consultancy, where she spent over 20 years working on a wide range of national and international projects and the development of biodiversity policies. She has also held Ministerial appointments to the governing boards of English and UK conservation agencies.

Fowler was appointed to the IUCN Shark Specialist Group (SSG) when it was first established in 1991, has acted as Deputy, Acting and Co-Chair, and led the SSG's global Red List assessment programme from 1996 until 2009. She is now SSG Vice-Chair for International Treaties. Sarah has been a regular IUCN or Party delegation member at international fora, including CITES (1996 to present), and UN FAO Fisheries meetings, Technical Consultations and Expert groups. As a CITES delegate, Fowler has prepared documents, taken an active part in discussions on the conservation and trade status of sharks, and provided advice on proposals to list shark species in the Appendices. Fowler developed the concept for, fund-raised, founded and developed the European Elasmobranch Association (a Europe-wide network of national science-based bodies) to promote the conservation and management of sharks and rays in European waters, and its UK member body, the Shark Trust. She has filled various posts in these bodies. Fowler was appointed as Officer of the Order of the British Empire for services to marine conservation in 2004, and a Pew Marine Fellow in 2005.



Russ Jones – Haida Fisheries Program

I was active as a consultant from 1980 to 2009 in the areas of fisheries stock assessment, co-management, watershed restoration and marine protected area planning, and worked mainly with First Nation clients in British Columbia. A major part of my work since 1989 has been development of the Haida Fisheries Program, a diverse fisheries cooperative management program for Council of the Haida Nation.

Employed full-time by the Haida Fisheries Program since April 2009, I am acting as policy advisor and project manager for Haida marine use planning.

I served as a member of a 3-person First Nation Panel on Fisheries in 2004 that produced *Our Place at the Table: First Nations in the BC Fishery*. The project involved public hearings and recommended a vision and direction for post-treaty fisheries in British Columbia. I served as principal consultant in 2007 in preparation of the document *BC First Nations Fisheries Action Plan: Preparing for Transformative Change in the BC Fishery*.

I have co-authored peer-reviewed publications on marine protected areas, oceans policy and marine planning relating to First Nations; I am also a major contributor to *Just Fish – Ethics and Canadian Marine Fisheries* (ISER Books, 2000) with articles on topics of Haida ethics, herring fisheries and food security (co-author).



Nancy Knowlton – Smithsonian National Museum of Natural History

Dr. Nancy Knowlton holds the Sant Chair in Marine Science at the Smithsonian's National Museum of Natural History, where her research focuses on coral reefs and the diversity and conservation of life in the ocean. Dr. Knowlton received her BA at Harvard University, her PhD at the University of California at Berkeley, and was a NATO postdoctoral fellow. Later, she was a professor at Yale University, a scientist at the Smithsonian Tropical Research Institute in Panama, and Professor and founding Director of the Center for Marine Biodiversity and Conservation at the Scripps Institution of Oceanography. Past service included advisory positions with the National Geographic Society, the World Bank, the Cosmos Prize, and the Census of Marine Life. She currently serves on the editorial board of the Annual Review of Marine Science, the Pew Marine Fellows Advisory Committee, The Savannah Ocean Exchange Board of Governors, and the national boards of the American Association for the Advancement of Science and the Coral Reef Alliance. She is an Aldo Leopold Leadership Fellow, winner of the Peter Benchley prize for science in the service of conservation, and author of *Citizens of the Sea*.



Stephen Palumbi – Stanford University

Stephen R. Palumbi received his Ph.D. from University of Washington in marine ecology. His research group studies the genetics, evolution, conservation, population biology and systematics of a diverse array of marine organisms.

Professor Palumbi's own research interests are similarly widespread, and he has published on the genetics and evolution of sea urchins, whales, cone snails, corals, sharks, spiders, shrimps, bryozoans, and butterflyfishes. A primary focus is the use of molecular genetic techniques in conservation, including the identification of whale and dolphin products available in commercial markets.

Current conservation work centers on the genetics of marine reserves designed for conservation and fisheries enhancement, with projects in the Philippines, Bahamas and western U.S. coast. In addition, basic work on the molecular evolution of reproductive isolation and its influence on patterns of speciation uses marine model systems such as sea urchins. This work is expanding our view of the evolution of gamete morphology and the genes involved. Steve's recent book, *The Evolution Explosion: How Humans Cause Rapid Evolutionary Change*, shows how rapid evolution is central to emerging problems in modern society. In January 2003, Steve

appeared in the TV series, *The Future is Wild*, a computer-animated exploration of the possible courses of evolution in the next few hundred million years. His new book, published in November 2010, *The Death and Life of Monterey Bay: A Story of Revival*, is a good-news environmental story about the difference that ordinary citizens can make in creating diverse, sustainable ecosystems and diverse, sustainable economies.

In 2002, Professor Palumbi moved his laboratory from Harvard University to Stanford University's Hopkins Marine Station, where he is now the Director of the station. Steve is a Pew Fellow in Marine Conservation, senior fellow at the Woods Institute for the Environment, married to physician Mary Roberts, father of two grown children, and founding member of the band Sustainable Sole (sample a song).



Daniel Pauly - University of British Columbia

Dr. Daniel Pauly is a French citizen who completed his high school and university studies in Germany. After many years at the International Center for Living Aquatic Resources Management (ICLARM), in Manila, Philippines, Daniel Pauly became in 1994 a Professor at the Fisheries Centre of the University of British Columbia, of which he was the Director from 2003 to 2003. Since 1999, he is also Principal Investigator of the Sea Around Us project, funded by the Pew Charitable Trusts, and devoted to studying

documenting and mitigating the impact of fisheries on the world's marine ecosystems.

The concepts, methods and software he (co-)developed, documented in over 500 publications, are used throughout the world, following multiple courses and workshops given in four languages on all five continents. This applies especially the Ecopath modeling approach and software and FishBase, the online encyclopedia of fishes. This work is recognized in various profiles, notably in *Science*, *Nature*, *2003* and the *New York Times*, and by numerous awards, notably the International Cosmos Prize, Japan (2005), the Volvo Environmental Prize, Sweden (2006), and the Ramon Margalef Prize from the Government of Catalonia (Spain, 2008).



Hugh Possingham

Hugh Possingham is a Professor of mathematics and ecology at The University of Queensland where he direct two national research centres. Outcomes from the centres is available in the Magazine “Decision Point” which targets policy-makers and managers - <http://ceed.edu.au/dpoint-news/>.

The Possingham lab developed the most widely used conservation planning software in the world. Marxan www.ecology.uq.edu.au/marxan.htm was used to underpin the rezoning of the Great Barrier Reef and is currently used in over 100 countries by over 2500 users – from the UK to Brazil. Australia is using Marxan to help it rezone its entire EEZ (2% of the planet). Hugh has a variety of broader public roles advising policy makers and managers as currently he sits on 16 committees and boards outside the University. This year he has made presentations to Australia’s federal parliament and the South Australian parliament on the science of marine reserves.

After attaining a Rhodes Scholarship he completed his DPhil at Oxford University in 1987 in biomathematics. An ARC QEII Fellowship ANU in 1989 followed, then a postdoc with Joan Roughgarden at Stanford modeling marine populations. In 1990 he took a tenure-track position in Applied Mathematics. He became a Professor and Chair in 1995 and moved to become Head of the Ecology Centre at The University of Queensland in 2000. He has coauthored 285 Web of Science publications and about 40 book chapters thanks his ability to exploit many colleagues, and a large lab of diligent postdocs and PhD students.



Martin Robards – Wildlife Conservation Society

Dr. Martin Robards is an accomplished marine ecologist and policy analyst who has worked extensively with indigenous communities and their representatives in the Arctic, particularly the Siberian Yupik communities of St. Lawrence Island in Alaska. He recently worked for two years in Washington D.C., informing policy makers about the challenges of implementing regional-scale policies concerning the conservation of marine mammals in remote subsistence-dominated environments. Martin is now moving back to Alaska as Program Director for Wildlife Conservation Society's Arctic Beringia Program. His goal is to encourage the development and implementation of conservation policies that are more responsive to new scientific understandings and the changes in ecological, social, and economic conditions of the Arctic.



Mary Ruckelshaus – Natural Capital Project

Mary Ruckelshaus is the Managing Director of The Natural Capital Project (NatCap), a collaboration among Stanford University, The Nature Conservancy, World Wildlife Fund, and the University of Minnesota. NatCap provides scientific capacity and technical tools allowing incorporation of ecosystem service values into decisions at the intersection of human development and conservation interests. Until September, 2010, she lead the Ecosystem

Science Program at NOAA Fisheries' Northwest Fisheries Science Center in Seattle, WA, USA. Dr. Ruckelshaus is a population biologist who is interested in using basic ecological and evolutionary principles to design recovery strategies for imperiled species and ecosystems. The main focus of her current work is on developing ecological models including estimates of the flow of ecosystem services and their values under different management regimes and future climate conditions in marine and coastal systems worldwide.

Dr. Ruckelshaus was chief scientist for the Puget Sound Partnership, a public-private institution charged with achieving ecosystem-based recovery of natural and human systems in Puget Sound, WA. She has published over 70 scientific papers in peer-reviewed journals, book chapters and Federal technical reports. In addition to her work on salmon, ecosystem services and ecosystem-scale planning, Ruckelshaus has worked for more than twenty years on marine conservation issues. She serves as a trustee of The Nature Conservancy's Washington Chapter and is a past chair of the Science Advisory Board of the National Center for Ecological Analysis and Synthesis (NCEAS) and Trustee of The Nature Conservancy Board of Directors. Before joining the National Marine Fisheries Service in 1997, Ruckelshaus was a faculty member in Biology for three years at Florida State University. She has a bachelor's degree in human biology from Stanford University, and a PhD from the University of Washington.