



Asia Pacific Economic Cooperation
Derelict Fishing Gear and Related Marine Debris Seminar
Honolulu, HI

Participant Biographies*

Mr. Ernesto Altamirano-Nieto

In 1985 obtained his B.S. in Marine Biology from the Marine Science School of the Autonomous University of Baja California, in Mexico. In 1987, the same University awarded him with a Post baccalaureate degree in Management of Marine Resources.

Ernesto started working for the Inter-American Tropical Tuna Commission (IATTC) in 1986, first as an observer and later as a field office technician. Since 1988 he has been stationed at the IATTC's headquarters in La Jolla, California, USA where his main duties include coordinating training of the IATTC's observer core, and editing and doing analysis of the observer database.

Dr. Anthony L. Andrady

Dr. Andrady is a Senior Program Manager in the Engineering Division of Research Triangle Institute (USA). He is also an adjunct professor of chemical engineering at the North Carolina State University. Following his graduate degrees in the area of polymer science he has devoted 20 years on research and development in the area, publishing nearly 90 peer reviewed papers, reviews and book chapters. A significant number of these have addressed the issue of plastics in the marine environment. "Plastics and the Environment" a volume edited by Dr. Andrady (including a discussion of plastics in the marine environment) was published by John Wiley Inc. earlier this year. Dr Andrady is a Fellow of the Royal Society of Chemistry (England), and serves as a member of the advisory panel of scientists convened under the Montreal Protocol by the United Nations Environmental Program.

Mr. Eric Appleyard

Eric completed his undergraduate studies in Biology at the Queensland University of Technology, Australia. He then completed a postgraduate course in Fisheries Management majoring in gear technology at the Australian Maritime College. Following this, Eric worked for 4 years at the Australian Fisheries Management Authority as a Scientific Observer, working on board foreign fishing vessels operating in Australian and international waters. This work involved scientific data collection and compliance

monitoring; which included assessing vessel compliance with waste and fishing gear disposal.

For the past 7 years, Eric has been working at the Secretariat for the 'Commission for the Conservation of Antarctic Marine Living Resources' (CCAMLR) in Hobart Australia, as the Scientific Observer Data Analyst. Eric is responsible for the analysis of scientific observer data, the development of observer logbooks and the design and development of the observer database. Eric's other major responsibility is the CCAMLR marine debris data. This includes coordination, collection and analysis of survey data, design and development of the marine debris database and the development of marine debris data collection forms and standard methods.

Dr. Mary Donohue

Dr. Mary Donohue has been working on the issue of marine debris since 1999. Formerly with the U.S. National Oceanic and Atmospheric Administration, she administered, coordinated and served as Chief Scientist on the first systematic expeditions to document, study and remove marine debris from the coral reefs of the Northwestern Hawaiian Islands. Her research has been published in scientific journals including Marine Pollution Bulletin, the Journal of Experimental Biology and the Journal of Physiological and Biochemical Zoology. She has spoken on marine debris in the United States, Japan, Canada and the United Kingdom at international conferences, symposia and as an invited University and public seminar speaker. Dr. Donohue holds Ph.D. and M.A. degrees from the University of California Santa Cruz in Organismal and Population Biology and a B.A. degree in Aquatic Biology from the University of California Santa Barbara. She currently serves as Associate Director of the University of Hawaii Sea Grant College Program, which includes management of Hawaii Sea Grant's marine debris activities.

Dr. Murray Gregory

Murray Gregory is an Honorary Research Associate in the Geology Department at the University of Auckland, New Zealand, where he taught for over 30 years. His specialist research interests lie in sedimentology and ichnology (trace fossils – structures produced in unlithified sediments by the burrowing, feeding and other activities of organisms). He was also actively involved in marine and environmental science programmes. It was in the early 1970's that he first recognized small, virgin plastic granules on remote beaches of northern New Zealand. This was followed by a survey of their numbers on over 300 beaches around N.Z. It later broadened into investigations of larger items made of plastic and other non-biodegradable synthetic materials across the South Pacific and Southern Oceans and adjacent shores. His current research focuses on the biota attracted to and/or hitch-hiking on marine debris of all kinds, including derelict fishing gear. In particular it is directed at establishing the extent to which marine debris may be a vector effecting long-distance dispersal of organisms, and the environmental implications arising from this.

Ms. Lindy Johnson

Lindy Johnson is an attorney with the General Counsel's Office of International Law for the National Oceanic and Atmospheric Administration. The issues for which she is primarily responsible within her office are land- and sea-based sources of marine pollution, marine protected areas, coral conservation, and ship strikes of right whales. Lindy participates as a member of U.S. delegations to various international meetings and has chaired several interagency and international working groups on environmental issues. Prior to working at NOAA, she worked as an associate in New York with the law firm of Cleary, Gottlieb, Steen & Hamilton and clerked for a judge in the Southern District of California. She received her Juris Doctorate from Tulane Law School, her master's degree in Sea-Use, Law, Economics & Policy Planning from the London School of Economics, and her bachelor's degree in international policy and political theory from Michigan State University.

Mr. Jeff June

Jeff June is a partner in Natural Resources Consultants, Inc. (NRC) in Seattle, Washington with over 30 years of experience in fishery biology. Jeff was the manager of the Northwest Straits Commission's pilot derelict fishing gear project in Puget Sound. Jeff coordinated the development of derelict fishing gear removal guidelines to assure the safe and environmentally sensitive removal of a variety of types of derelict fishing gear. Prior to the derelict fishing gear project, Jeff was contracted as NOAA's West Coast U.S. coordinator of a marine debris education program. Jeff has experience as a fishery biologist in Peru, Palau, Argentina, East Africa and on the U.S. West Coast and Alaska. Jeff was formally an employee of the National Marine Fisheries Service where he participated in a number of research cruises and was involved in fisheries management. Jeff has a MS degree in Fishery Biology from the University of Washington and a BS degree from Humboldt State University.

Dr. Ilse Kiessling

Ilse Kiessling is currently the northern Australian Oceans Liaison Officer for Australia's federal National Oceans Office. Within the context of assisting in the implementation of Australia's Oceans Policy across northern Australia, Ilse is involved in tackling many aspects of marine debris, particularly in regard to national and international policy and management. Ilse previously worked with WWF (World Wildlife Fund) where she began examining the widespread issue of marine debris on northern Australia's coasts in collaboration with the Northern Territory University, a number of Aboriginal organizations (notably Dhimurru Land Management Aboriginal Corporation), state and federal government agencies, industry groups and many others. Ilse has coordinated a number of studies of marine debris in northern Australia, including the preparation of a derelict fishing net identification guide. She recently compiled a comprehensive report on marine debris, *Finding Solutions: Derelict Fishing Gear and Other Debris in Northern Australia*, which incorporates a comprehensive summary of existing information on the sources, magnitude and impacts of marine debris in northern Australia as well as a range

of options aimed at the prevention and management of derelict fishing gear and other marine debris. He has a PhD in integrated oceans and coastal management and an honors degree in Antarctic science from the University of Tasmania.

Dr. Don-Chung Liu

Present Position: Chief Secretary

Name of Organization: Fisheries Research Institute, Council of Agriculture

Address: 199 Hou-Ih Road Keelung 202, Taiwan

Tel: +886-2-2462-0053

Fax: +886-2-2462-4254

E-mail: dcliu@mail.tfrin.gov.tw

Education: BS, National Taiwan Ocean University

MS, National Taiwan Ocean University

PhD, National Tohoku University, Japan

Experience: Research Fellow, Taiwan Fisheries Research Institute

Director, Taitung Branch, Taiwan Fisheries Research Institute

Major Field of Study: Fishing Gears and Methods

Mr. Philip MacMullen

Philip MacMullen is the Fisheries Development Manager for the (UK) Sea Fish Industry Authority. He has more than 25 years' experience in programmes that involve the fish industry, government departments and other agencies. These have covered many aspects of fisheries work including fishing gear development, selectivity studies, fisher training, research into towed and static gears, and a wide range of development consultancy. Seafish is a statutory body that has a mandate to collect a levy on fish sales within UK jurisdiction. It is an independent agency that works across all sectors of the UK seafood industry to promote good quality sustainable seafood. We work 'from boat to throat'.

Seafish initiated and co-ordinated a total of five years' research into lost fishing gears, a programme that has recently been concluded. This involved partners from the Arctic to the Mediterranean and looked at the extent and impacts of lost gears and the potential to mitigate any negative impacts. Recommendations have been made that should work positively for inshore, shelf fisheries and those prosecuted in deep waters.

Dr. Tatsuro Matsuoka

Prof. Tatsuro Matsuoka is presently the director of Marine Resources and Environment Research Centre, Faculty of Fisheries, Kagoshima University, Japan. He started his academic career in prehistoric archaeology and, then, naval architect and obtained his

degree in fisheries science from Hokkaido University, Japan. He has extensive international experiences, for example he was a senior lecturer of the University of Papua New Guinea for ten years and has been involved in various academic and technical cooperation projects organised by JICA, SEAFDEC and FAO in the Pacific, Southeast Asian, Caribbean and African countries. His major interest is technical management of capture fisheries, being specialised in the fields of fishing gear selectivity, bycatch and discards and ghost fishing assessment.

Mr. Brent Paine

Brent Paine is the Executive Director of United Catcher Boats (UCB), based in Seattle, Washington. United Catcher Boats is a non-profit commercial fishing vessel owner's trade association whose members primarily harvest groundfish from the North Pacific fisheries. Brent has served as the Executive Director of UCB since its inception in 1993. Prior to his work with UCB, Brent was a staff member to the North Pacific Fishery Management Council for three years and his work focused on the management of the Bering Sea groundfish and crab fisheries. Brent is a founding Board member of the Marine Conservation Alliance (MCA) and serves as chairman of the MCA's North Pacific Marine Debris Cleanup Committee. Brent has a MS degree in Fisheries Management from Oregon State University and a BA degree from St. Olaf College.

Ms. Fran Recht

Fran Recht is habitat program manager for the Pacific States Marine Fisheries Commission. She is presently working on issues related to salt marsh protection and restoration and education related to salmon recovery and on a Pacific Coast groundfish habitat environmental impact statement for the Pacific Fishery Management Council. Earlier work for the Commission involved managing a net recycling project that concentrated on nylon gill nets predominantly from ports in Alaska and Washington states.

Mr. Joe Schmitt and Mr. Gary Wood, J.D.

Messrs. Schmitt and Wood sit on the Northwest Straits Commission, in Puget Sound, Washington, U.S.

The Straits Commission designed and submitted a successful proposal to NOAA to establish protocols and a pilot gear-recovery project in 2002. Work proceeded throughout 2003, and the project grew to incorporate 14 sponsors and active partners, ranging from state and federal agencies to local sovereign tribes. Substantially increased new funding from the Salmon Funding Recovery Funding Board and the use of sidescan sonar will move the project forward in 2004 to recover nets and traps from the deep and temperate waters of northern Puget Sound.

Ms. Seba B. Sheavly

Ms. Sheavly manages pollution prevention and monitoring programs for The Ocean Conservancy and interacts with an international network of volunteers, researchers, business and industry representatives, government agencies and policy makers focusing on marine pollution. She develops and implements programs for marine conservation on the domestic and international level focusing on building public awareness of pollution issues through education and outreach; conducting research and monitoring using “citizen scientists” for data collection; and developing local solutions for pollution problems involving local citizen groups and regional partners to ensure community involvement. She currently manages the following programs: International Coastal Cleanup, National Marine Debris Monitoring Program, Estuary Monitoring Program, Reef Condition Monitoring Program, Model Communities, and Good Mate Recreational Boating and Marina Operations Program. Ms. Sheavly was previously the Development Specialist for the National Aeronautics and Space Administration (NASA) and the Virginia Space Grant Consortium, and worked to research, develop, implement, and coordinate a grant program in science, math, and technology education for a consortium of colleges and universities. Prior to this, she was Adjunct Faculty-Instructor of the Department of Biological Sciences at Old Dominion University, Education Specialist at the Virginia Marine Science Museum, and a science teacher with Portsmouth Public Schools in Virginia.

Ms. Sheavly has produced numerous publications, videos, and other educational materials. She is a member of several honorary and professional organizations including Phi Kappa Phi, the American Association for the Advancement of Science, and the National Marine Educator's Association. Ms. Sheavly has a B.S. in Biology and Collegiate Professional Certificate from Longwood College in Virginia. She also has a M.S. in Biology and Postgraduate Professional Certificate from Old Dominion University.

Mr. Richard Steiner

Richard Steiner is a Professor and Conservation Specialist for the University of Alaska Marine Advisory Program, based in Anchorage Alaska. His primary responsibility is marine conservation extension efforts throughout Alaska, the nation, and internationally. He was a commercial fisherman in Alaska for many years, participating in longline, gillnet, and crab fisheries. He has been involved in the marine debris issue since 1980.

Mr. Howard C. Wiig

Energy Analyst, Strategic Industries Division, DBEDT

Born: Honolulu

Education: BA, Field of Humanities, UC-Berkeley
ME, English Literature, UH

ABD, American Studies, UH

Work History:

Free-lance journalist worldwide
Teaching Assistant, UH-Manoa
Legislative Aide, Hawaii Legislature
Energy Analyst, State of Hawaii (1976-Present)
Board President, Lord & Trigg (environmental business in China) 2000-Present

Professional Areas:

Daylighting
Lighting and Human Performance
Cool Roofs/Cool Attics
Commercial Energy Codes
Residential Energy Codes
Incentives for Efficiency
Rainwater Harvesting

Affiliations:

President, Illuminating Engineering Society-Hawaii
Vice President, Sierra Club-Hawaii
Past President, Unity Church of Hawaii

**Not all Seminar Participants submitted a biography. Those that were provided are reproduced here.*