

**Program for the 32nd Scientific Meeting of the
Association of Marine Laboratories of the Caribbean
June 13 - 17, 2005**

Monday, June 13, 2005

8:00 am Registration

TIME PRESENTER TITLE

9:00 am Steven Piontek
President AMLC Welcome to Curacao

9:10 am Steve LeGore
Executive Director, AMLC Welcome on behalf of the Executive Board, AMLC

9:20 am Eric Newton Welcome on behalf of NA Government

9:40 am Keynote Speaker

10:00 am *Coffee Break*

Fisheries and Aquaculture

10:20 am L. Bunkley-Williams,
E.H. Williams, Jr. New records of parasites for Cobia, *Rachycentron canadum* (Linnaeus) (Perciformes: Rachycentridae), being reared in eastern Puerto Rico

10:40 am A. Gómez, P. Vicent, J. Pérez Captura de Sardina *Sardinella aurita* en el estado Nueva Esparta (Venezuela) durante 2004

11:00 am A. O. Debrot, S. R. Criens Reef fish stock-collapse documented in Curaçao, Netherlands Antilles, based on a preliminary comparison of recreational spear fishing catches half a century apart

11:20 am L. Freites, M. Narváez,
M. Guevara, C. Lodeiros,
G. Salazar Influencia del ciclo reproductivo y del ambiente sobre el perfil lipídico del mejillón marrón *Perna perna* (Linné, 1758), cultivado en suspensión

11:40 am R.S. LeGore, M.P. Hardin,
J. Brice, J.R. Garcia-Sais Estimation of wild stocks supporting the fish and invertebrate marine ornamental fisheries in Puerto Rico: preliminary data

12:00 pm Lunch Break (attendees arrange lunch on their own)

1:00 pm A. Velásquez, T. Cabrera,
J. Rosas, N. Bracho, L. Troccoli Cambios estructurales del microfitoplancton durante el cultivo de *Litopenaeus vannamei* (Boone, 1931) en una granja acuícola del nororiente Venezolano

Monitoring

1:40 pm H. Briceño, R. Jaffe, J.N. Boyer Caribbean water assessment snap-shot (carwash): the quest for a long-term water quality monitoring program

2:00 pm J.C. Brock, P. Thompson,
N. Caesar, D. Nagle,
T.D. Hickey, P. Muller-Karger USGS seeks Caribbean region applications of a novel along track reef imaging system

TIME	PRESENTER	TITLE
2:20 pm	A. Cróquer, C. Bastidas, D. Debrot, E. Klein, M. Kurten, S. Rodríguez	The global coral reef monitoring network of tropical South America (STA-GCRMN): two years supporting activities in Venezuela
2:40 pm	N. Caesar, J. Brock, P. Hallock, D. Hickey, D. Mann, D. Nagle, P. Thompson	Along-track reef-imaging system for efficient reef monitoring and groundtruthing
3:00 pm	<i>Coffee Break</i>	

Regional Connectivity

3:20 pm	I. Nagelkerken, G. van der Velde, W.C.E.P. Verberk, M. Dorenbosch	Co-existence by segregation in feeding time and diet: a case study on tropical seagrass fish
3:40 pm	P.W. Sammarco, A.D. Atchison, D.A. Brazeau, G.S. Boland	Coral populations on the flower garden banks, surrounding oil/gas platforms, and the western gulf of Mexico: genetic affinities and further expansion
4:00 pm	Eytan, Ron I.	The ecological consequences of phylogeographic breaks in coral reef fishes (Chaenopsidae: Acanthemblemaria)
4:20 pm	W.K. Fitt, D.J. Thornhill, T.C. LaJeunesse, G.W. Schmidt	Symbiotic dinoflagellate diversity in caribbean reef corals and colony health
4:40 pm	V.H. Garrison, R.S. Carr, W.F. Foreman, D. Griffin, C. Holmes, C. Kellogg, M.S. Majewski, M. Nipper, E.A. Shinn, S.L. Simonich, G.W. Smith	Saharan dust and the degradation of coral reefs – evidence of a link
5:00 pm	<i>Adjourn</i>	
6:30 pm	<i>Happy Hour and poster presentations (attendees arrange dinner on their own)</i>	

Tuesday, June 14, 2005

8:20 am	Robert N Ginsburg, Judith C. Lang	The urgent need for uniform regional reassessments of coral reefs in the western North Atlantic
8:40 am	T.C. LaJeunesse, G.W. Schmidt, W.K. Fitt	Distributions of host-specific Zooxanthellae Delineate biogeographic boundaries among coral reef ecosystems
9:00 am	R. Nemeth, J. Blondeau, S. Herzlieb, E. Kadison	Migratory patterns of red hind to spawning aggregations in St. Thomas and St. Croix U.S. Virgin Islands
9:20 am	A. García, C. Bastidas	Genetic structure of coral <i>Porites astreoides</i> populations of the National Parks Archipiélago De Los Roques and Morrocoy – Venezuela
9:40 am	V.P. Richards, J.D. Thomas, M. Shivji	Reproductive dispersal strategy, genetic connectivity and biodiversity in commensal, sponge dwelling, coral reef invertebrates

TIME	PRESENTER	TITLE
10:00 am	A.L Zubillaga, C. Bastidas	High gene flow and sexual reproduction predominance in populations of the coral <i>Acropora palmata</i> at Los Roques National Park, Venezuela
10:20 am	Coffee Break	
Disease Chairman: L.L. Richardson, E. Weil		
10:40 am	I. Nagelkerken	Spatial variation in bleaching and bleaching-associated tissue mortality in scleractinian corals
11:00 am	D.N. Ragoonath, L.L. Richardson	Heterotrophic capabilities of the black band disease cyanobacterium <i>Phormidium corallyticum</i>
11:20 am	A.W. Bruckner, R.J. Bruckner	Is the recent decline of <i>Montastraea annularis</i> (complex) coral populations in Curaçao and Bonaire a cause for concern?
11:40 am	A. Cróquer, C. Bastidas, H.M. Guzmán	Novel observation of <i>Halofolliculina</i> sp. affecting Caribbean agaricids, poritids and milleporids at Bocas del Toro, Panama
12:00 pm	E. Muller, C.S. Rogers, R. van Woessik	White pox disease and physical damage may restrict recovery of <i>Acropora palmata</i> in the US Virgin Islands
12:20 pm	S.M. McLaughlin, K.L. Price, M.C. Silva, S.W. Polson, V. Espina, J.G. Wingerath, C.M. Woodley	Novel techniques for the study of coral histopathology
12:40 pm	Lunch Break	(attendees arrange lunch on their own)
1:40 pm	Ernesto Weil	Spatial and temporal dynamics of coral reef diseases in La Parguera, southwest coast of Puerto Rico: CRES project - preliminary results
2:00 pm	D.L. Gil-Agudelo, G.W. Smith, E. Weil	Fulfilling Koch's postulates for white band disease type II
2:20 pm	M.M. Nugues, I. Nagelkerken, K. Vermonden, O.C.C. Moraes	Spatial and temporal variations in the prevalence of coral diseases in the Caribbean island of Curaçao
2:40 pm	L.L. Richardson, D.K. Mills, P.V. Zimba	Ecological complexity of black band disease of corals: physiological processes, chemical dynamics and mechanisms of toxicity
3:00 pm	S. Rodriguez, A. Cróquer	Black band disease epidemiology of a coral population subjected to season temperature variation in an upwelling zone, Venezuela
3:20 pm	Coffee Break	
3:40 pm	J.D. Voss, D.K. Mills, L.L. Richardson	Black band disease dynamics, drivers, and variation in the associated pathogenic microbial community
4:00 pm	R. Navas-Camacho, A. Rodríguez-Ramírez, J. Garzón-Ferreira	Prevalencia de enfermedades coralinas en los arrecifes del Caribe colombiano, 1998-2004

TIME	PRESENTER	TITLE
4:20 pm	D.E. Williams, M.W. Miller	Gross manifestations of acroporid white disease(s): a continuum from white band to white pox
4:40 pm	J.M. Cervino, R.L. Hayes, T.J. Goreau, M. Moscato, G.W. Smith	The links between global warming induced high seawater temperatures and <i>Vibrio</i> infections in the Pacific anemone <i>Stichodactyla</i> sp.
Public Awareness Chairman: R. Hayes		
5:00 pm	R. Hayes, D. Knepper, W. Nagelkerken	Maritime history, submerged cultural resource management in Situ, and marine heritage education through archaeological study of the 19th century british steamship, Mediator, in Willemstad Harbor, Curaçao, N.A.
5:20 pm	<i>Adjourn</i>	
6:30 pm	<i>Poster presentations (attendees arrange dinner on their own)</i>	

Wednesday, June 15, 2005

Remote Sensing, GIS Chairman: B. Riegl		
8:00 am	K. Bank, B. Riegl, W. Piller, R. Dodge	Geomorphology of the southeast Florida reef tract (Dade, Broward and Palm Beach Counties, USA)
8:20 am	J. Goodman, L. Guild, R. Armstrong, F. Gilbes, R. Berthold, A. Gleason	Hyperspectral remote sensing: An overview of the 2004 Aviris mission in Puerto Rico and the Florida Keys
8:40 am	L.R. Hernández-Cruz, S.J. Purkis, B.M. Riegl, R.E. Dodge	Synergy of multiple sensors as an assessment tool for monitoring the status of <i>Acropora palmata</i> (elkhorn coral) in Vieques Island, Puerto Rico
9:00 am	A.C. Shapiro, S.O. Rohmann	Using satellite imagery for coastal mapping, monitoring and management
9:20 am	B.K. Walker, B. Riegl, R.E. Dodge	Mapping coral reefs of southeast Florida, USA
Pollution		
9:40 am	K. Graterol, G. Hernández	Parque Nacional Laguna la Restinga (Isla de Margarita, Venezuela): aciertos y desaciertos
10:00 am	C. L. McElroy, C. Wilson, B.A. Nevius, V.H. Garrison, G.W. Smith	Microorganisms associated with African dust
10:20 am	<i>Coffee Break</i>	

TIME	PRESENTER	TITLE
General ecology		
10:40 am	J.J. Cruz-Motta	Spatial distribution of benthic communities associated with intertidal rocky platforms of Venezuela
11:00 am	H. D'Armas, T. Koftayan, G. Salazar	Fatty acids analysis on <i>Perna viridis</i> (Mollusca: Bivalvia) from the eastern Venezuelan and the western coast of Trinidad island
11:20 am	P. Spiniello	Spatial and temporal variation of phytoplankton p/b ratio at Morrocoy National Park, Venezuela
Science for Resource Management		
11:40 am	R. Iglesias-Prieto	Global targeted research and capacity building: the role of the Caribbean center of excellence at Puerto Morelos, Mexico
12:00 PM	S. Slingsby, D. Brown, B. Lumsden, J. Marr	Backreef II: a summary of research priorities and management objectives
12:20 pm	D.T. Wilson, S.K. Wilson, D. Vaughan, C. Simon, K. Lockhart	Validation of a starch-iodide swab technique for detecting the use of illegal chemicals in the Turks and Caicos island spiny lobster (<i>Panulirus argus</i>) fishery
12:40 pm	<i>Lunch Break</i>	<i>(attendees arrange lunch on their own)</i>
NOAA Applied Research Chairman: M.J. Dowgiallo		
1:40 pm	M.J. Dowgiallo, F.A. Martinez, D.M. Hilmer	Coral reef ecosystem research: examples of long-term regional studies in the Atlantic and Pacific
2:00 pm	R. Kelty, K. Puglise	NOAA's coral ecosystem research plan: setting research priorities for coral ecosystem management in the US Caribbean
2:20 pm	B. Riegl, S.J. Purkis, R.E. Dodge, A. Vargas-Angel, M. Shivji, Brock	The NCRI monitoring network: multi-layered reef assessment on a Caribbean wide scale
2:40 pm	M. Scharer, M. Nemeth, A. Aguilar, R. Appeldoorn	Description of reef fish spawning aggregations at Mona Island, Puerto Rico
3:00 pm	P.M. Yoshioka	The relationship between sediment transport and the distribution of shallow-water gorgonians off southwest Puerto Rico
3:40 pm	<i>Coffee Break</i>	
Biodiversity, MPAs Conservation		
4:00 pm	V.R. Coelho, C. Manfrino	Five years of coral reef decline in Little Cayman, Cayman Islands
4:20 pm	E. Kadison, R.S. Nemeth, S. Herzlieb, J.E. Blondeau	Temporal and spatial dynamics of cubera and dog snapper spawning aggregations on a multi-species spawning site in the USVI

TIME	PRESENTER	TITLE
4:40 pm	J.D. Parrish, B.D. Schumacher	Shared use of habitat space between native goatfishes and an introduced snapper on Hawaiian coral reefs
5:00 pm	I. Villasmil, M.B. Barreto	Structural changes in a red dwarf mangrove stand (<i>Rhizophora mangle</i> L.) throughout a hydroedaphic gradient
5:20 pm	<i>Adjourn</i>	

Thursday June 16, 2005

Field Trips today

6:30 pm	AMLC Membership Meeting	
8:15 pm	AMLC Awards and recognition banquet	

Friday, June 17, 2005

Coral Reef Ecology

8:00 am	Vermeij, M	Settlement
8:20 am	I. Nagelkerken, K. Vermonden, O.C.C. Moraes, A.O. Debrot, W.P. Nagelkerken	Changes in coral reef communities and an associated reef fish after 30 years on Curaçao (Netherlands Antilles)
8:40 am	D.L. Meyer, J.M. Bries-Korpik, B.J. Greenstein, A.O. Debrot	Effects of a rare storm event on the reefs of the Netherlands Antilles and implications of preservational variation in pleistocene fossil reefs across the western Atlantic region
9:00 am	I.M. Sandeman	Another look at coral bleaching, a role for hydrogen peroxide
9:20 am	J.M. de Goeij, F.C. van Duyl	The important role of sponges in dissolved organic matter (DOM) removal in coral cavities
9:40 am	A.O. Debrot, I. Nagelkerken	Recovery of the long-spined sea urchin <i>Diadema antillarum</i> in Curaçao (Netherlands Antilles) linked to back-reef lagoonal and wave-sheltered shallow rocky habitats
10:00 am	P.R. Frade, R.P.M. Bak	Genetic diversity and physiological plasticity of symbiodinium in reef corals with large depth distributions
10:20 am	<i>Coffee Break</i>	
10:40 am	P. M. H. Gayle, B. Charpentier	A different perspective on the status of Jamaica's north shore reefs - is there a silver lining?
11:00 am	E. Irizarry, E. Weil	Distribution, abundance and composition of juvenile corals in La Parguera, southwest Puerto Rico. NOAA-CRES project
11:20 am	S.J. Pittman, A. Shapiro, C. Caldwell, M. Monaco	Linking fish assemblages to marine landscape structure at multiple spatial scales

TIME	PRESENTER	TITLE
11:40 am	M.C. Reyes-Nivia, A. Rodríguez-Ramírez, J. Garzón-Ferreira	Evidencias de sobrepesca en los arrecifes coralinos del Caribe colombiano: evaluación de los peces
12:00 pm	S. Rodríguez, C. Bastidas, C. Romero	Comunidades coralinas influenciadas por la surgencia costera del nororiente venezolano
12:20 pm	A. Rodríguez-Ramírez, J. Garzón-Ferreira, M.C. Reyes-Nivia, R. Navas-Camacho, S. Bejarano, G. Duque	Estado y dinámica reciente (1998-2004) de los arrecifes coralinos del Caribe colombiano
12:40 pm	<i>Lunch Break</i>	<i>(attendees arrange lunch on their own)</i>
1:40 pm	S.C.C. Steiner, S.M. Williams	A sharp increase in the density of the grazing echinoid <i>Diadema antillarum</i> in stony coral habitats of Dominica (Lesser Antilles): 2001 – 2005
2:00 pm	E. Villamizar , J. Posada, G. Rodríguez	Proportions of trophic categories of reef fish communities as an index of the health condition of coral reef systems

Caribbean Oceanography
Chairman: Rahanna Juman

2:20 pm	Rahanna A. Juman	Numerical hydrodynamic modeling in the bon accord lagoon/Buccoo reef, Tobago, West Indies
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Environmental Restoration

2:40 pm	D.S. Gilliam, W.C. Jaap, R.E. Dodge, B.D. Ettinger, D.P. Fahy, E.G Fahy, S.M. Gill, J.A. Monty, L.F. Shuman	Coral transplantation effectiveness for reef restoration and impact mitigation off southeast Florida, USA
3:00 pm	N.J. Quinn, M. Stennett, B.L. Kojis	Evaluating the potential of natural reproduction and artificial means to increase <i>Acropora</i> populations in Jamaica
3:20 pm	Closing Remarks and Announcements	