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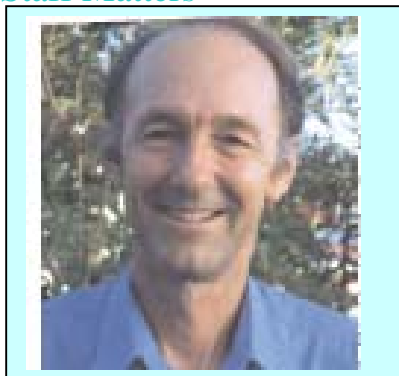
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EDITORIAL

In this 14th instalment of the CMS Newsletter I have attempted to broaden the scope of the items presented by including a new human-interest feature entitled “*Where are they now?*” In this section I will bring you up to date with the activities and achievement of past staff members and associates of the CMS. This feature starts off with an update on our past Scientific Officer and Editor, Peter Edwards. Our regular features continue to provide highlights of the CMS activities. I hope you find the added elements interesting and informative and as always your input, comments and suggestions are welcomed.

Marcia Creary
Editor

Staff Matters



Dr George Warner, Director, CMS

Retirement of Director

The Director of CMS, Dr George Warner will be retiring on July 31st, 2005. Dr Warner has been Head of CMS since 2000 and has worked on and overseen the implementation of projects related to the status of corals and coral reefs in Jamaica and throughout the Caribbean.

George Warner was born in London UK during the 2nd World War but grew up in the island of Jersey in the Channel Islands between England and France. Living directly by the sea with a 30+ foot tidal range stimulated an interest in marine biology, which has never left him. He studied Zoology at University College London, then was lucky enough to study for his PhD at the University of the West Indies in Jamaica where he worked on mangrove crabs at PRML under the supervision of Ivan Goodbody (1963-66). He learned to dive in Jamaica and admired the coral reefs at a time when these environments were just beginning to be explored and described.

From Jamaica, he moved to the University of Reading UK where he

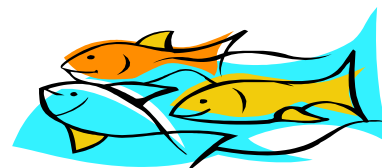
remained for 33 years, teaching marine biology and related topics at both undergraduate and graduate levels, with two 1-year breaks to Trinidad (1974-5) and Virginia USA (1985-6). His research at Reading was diverse and has remained so, with core interests in ecology and marine invertebrates – diverse by definition. He retained an interest in the tropics and as well as occasional holidays in Jamaica, visited Mauritius, Nigeria and Indonesia in a professional capacity, diving in all three places. He has over 60 publications, including two books. He is married, with two children.

Dr Warner will be returning to England where he intends to continue writing and enjoying natural history.

The members of staff of the CMS wish for Dr Warner a productive and rewarding retirement.

Death of Ms Joy Parchment

Ms. Joy Parchment, a retired member of DBML staff, passed away in February 2005. Since retirement, she had received successful treatment in the DBML Hyperbaric Chamber for a diabetic wound that would not heal. DBML has assisted her family in the scattering of her ashes at sea.



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Where are they now?

Peter Edwards

Peter has completed one year of studies at the College of Marine Studies, University of Delaware. He has successfully completed courses in

- Decision Tools for Policy Analysis
- U.S. Ocean and Coastal Policy
- Economics of Natural Resources
- Environmental Economics
- International Ocean and Environmental Policy
- Research Methods and Design.

In addition, Peter presented papers entitled "*Development of a Policy Framework and Strategic Plan for Sustainable Fisheries in Jamaica. A Critical Analysis of Section V*" and "*Coastal Resource Valuation: A Tool for Policy Development and Implementation in a Small Island Developing State*" as part of the Marine Policy Seminar course. The second paper will form the basis of his proposed research.

Peter returned home in April (18-28) to participate in the study of the Pedro Bank, organized by TNC Jamaica in association with CMS, Fisheries Division and AGRRA. While at CMS Peter was heavily involved in the development of this project, funded by the National Fisheries and Wildlife Foundation.

Peter is presently working in the Center for Marine Policy at the University of Delaware, assisting with the completion of a report, which reviews Ocean and Coastal Management in SIDS since the BPOA. He is also assisting with preparations for two upcoming conferences in Lisbon and Paris, in which the Center is a major participant.

Peter will return home in July for a well-needed break, and thereafter head to Brazil at the beginning of August, for a one-month internship where he will be working in related agencies on Integrated Coastal Management and National Ocean Policy Development.

We congratulate Peter on his accomplishments and wish for him continued success in his endeavors.

Research Day

Research Day 27-28 January

CMS set up posters on current projects including Rackham's Cay video-monitoring (EFJ grant), the status of Jamaica's reefs (presented at the International Coral Reef Symposium in Okinawa in July 2004) and development of techniques for culturing coral (USAID grant to DBML). Emphasis was on hurricane damage, and video clips of the corals at Rackhams Cay, comparing pre and

post Ivan conditions were displayed. The video attracted considerable interest, as did our dry specimens of coral.

DBML News

Discovery Bay Marine Laboratory



DBML in UK Dive magazine

For the last 4 years Professor James Crabbe of Reading University in the UK has been bringing amateur divers to DBML as part of "Earthwatch" – a non-profit organization which involves people from all walks of life in scientific field research around the World. One of the volunteers has written up his experiences in *Dive*, vol. 6 no. 8, the magazine of the British Sub-Aqua Club. Volunteers pay about 2000 GBP each for the opportunity to visit Jamaica and work at DBML on coral reef research and it is clear from the article that they enjoy it very much and that useful work was carried out.

Sponge biology workshop, 30-31

March

DBML hosted this workshop, taught by Dr Alexander Ereskovsky (St. Petersburg State University, Russia) and Dr Philippe Willenz (Royal Belgian Institute of Natural Sciences). Participants came from Barbados, Virgin Islands, NEPA, Montego Bay Marine Park, Friends of the Sea and UWI Mona.

Visitors from Dartmouth College

Dr John Gilbert led a group of 16 students from Dartmouth College in a Tropical Marine Biology field course.



Students in the Marine Policy Programme at the University of Delaware come from a range of countries: Brazil, China, England, India, South Korea, Portugal, USA and Jamaica.

Intellectual Property Presentation

Dr Stephen Price, CEO of *Public Interest Intellectual Property Advisers*, gave a seminar on March 11th at DBML on the work of his organization. This involves arranging free advice to groups and individuals in developing countries on intellectual property rights. He also gave this presentation at Mona on 10th March. Drs Norman Quinn and Trevor Yee arranged Dr Price's visit.

Research in Progress

JCRMN Project for ICRI

Survey of reefs at Hotch Kyn Patches, Portland Bight

Protected Area, 20 February

The largest of these offshore coral patches was surveyed using the ReefCheck method as part of our ICRI research grant to study reefs in the PBPA. The team of 8 divers included representatives from CCAM and NEPA as well as UWI personnel Marlon Hibbert, Michelle McNaught, Loureene Jones, and George Warner. Life Sciences facilitated the trip through use of their boat from the PRML. Considerable damage from Hurricane Ivan was observed with the shallow areas (5-10 m) reduced to rubble. Mound corals had survived in deeper water (15 m), but commercial fish resources were scarce.



Members of the Portland Bight survey team: L-R: Dave Guinness, Loureene Jones, Michelle McNaught, Mark Gold, George Warner and Brandon Hay. Back: Ainsley Henry and Marlon Hibbert. Missing: Jerome Smith, Camilo Trench, Janielle Wallace and Elizabeth McGhie

Pedro Bank Management Project Reconnaissance Trip to Pedro Bank 23-27 February

Admiralty Corporation facilitated the reconnaissance of coral reefs at the Pedro Bank by a small Jamaican team, through the cost-free use of their 110-foot live-aboard vessel the *New World Legacy*. Nathalie Zenny (TNC) led the team, which comprised Peter Wilson-Kelly (NEPA) and George Warner (CMS). The survey forms part of a TNC project, funded by the National Fish and Wildlife Foundation, to study resources and socio-economic issues on the Pedro Cays and to recommend management actions. CMS and NEPA are two of the collaborating agencies. Findings included relatively little damage attributable to Hurricane Ivan, large areas of long-dead Elkhorn coral similar to the coastal fringe of mainland Jamaica, and evidence of overfishing of reef fishes. We are very grateful to Admiralty Corporation and to the Captain and crew of the *New World Legacy* for the opportunity to explore these previously unstudied reefs.



Aerial view of Middle Cay, Pedro Bank

Conferences, Workshops and Meetings

Dr Mishka Stennett and Dr Norman Quinn gave presentations at Sandals Dunns River Falls and Sandals Boscobel, about their coral restoration experiments and outreach efforts.

Dr George Warner gave a seminar to the UWI Mona Life Sciences Department entitled "Practical aspects of growth – from black corals to crabs and ecotoxicology".

Dr Norman J Quinn presented a paper at the V Congress on Caribbean Biodiversity, Santo Domingo, Dominican Republic, 25-28 January 2005, entitled "Exploring the Biodiversity of Jamaican coral reefs in the search for new pharmaceuticals". The paper was co-authored with D Gochfeld, M Hamman, M Slattery & L Walker.

Up Coming Events

32nd Scientific Meeting of the Association of Marine Laboratories of The Caribbean.

Curacao, June 13-17, 2005. George Warner, Norman Quinn and Peter Gayle will present papers on the work of the CMS.

Jamaica Institute of Environmental Professionals (JIEP) Second National Conference on the Environment

entitled "Sustainable Development – Myths and Realities". The Jamaica Pegasus Hotel, June 15-16, 2005

Publications

Davis, B & NJ Quinn. 2004. Using GIS in Human Impact Analysis of Mangroves. *South Pacific Journal of Natural Science*. 22:1-13.

Walling, L.J., Douglas, C., Mason, M. & Chevannes-Creary, M. 2005. Caribbean Environmental Outlook. Heileman, S. (Ed). UNEP.

