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EDITORIAL

This is the 16th instalment of the CMS newsletter and we are proud to be able to continue to provide updates on our activities. The CMS is now under the management of Dr Dale Webber and is going through the process of adjustment to reflect new responsibilities. These are very exciting times for the CMS and we look forward to your support as we strive to fulfil our mission of teaching, research and outreach.

I hope you find the content of this newsletter interesting and informative and as always your comments and suggestions are welcomed.

Marcia Creary,
Editor

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Staff Matters

Dr Dale Webber appointed as Director



Dr Dale Webber has been appointed the Director of the Centre for Marine Sciences (CMS) following the retirement of Dr George Warner. Dr Webber is presently the Head of Department for Life Sciences (DLS) and will continue in this position. This new appointment brings the DLS and CMS under one leadership with the CMS now a Unit within the DLS. All marine related activities will now fall under the umbrella of the CMS and it is envisaged that this new arrangement will facilitate improved collaboration, coordination and implementation of marine teaching, research and outreach within the Faculty.

The Discovery Bay Marine Lab, the Port Royal Marine Lab and the Caribbean Coastal Data Centre will all form part of the CMS. New staffing arrangements are being implemented to facilitate the revised organizational structure.

Where are they now?

Prof Ivan Goodbody

Professor Emeritus Ivan Goodbody, Founder Director of the Centre for Marine Sciences, still works on the Mona Campus where he has an office in the

Department of Life Sciences. Professor Goodbody devotes most of his time to writing up for publication results of work he has carried out on Caribbean Ascidiacea. These researches have extended over a period of fifty years since the opening of the first marine laboratory in Port Royal in November 1955 and have been conducted mostly in Port Royal and Belize. In Belize he collaborated with the Smithsonian Institution's Caribbean Coral Reef Ecosystems Project concentrating on two mangrove systems on the Barrier Reef, the Pelican Cays in the south and Twin Cays in the central region. Two recent publications written in collaboration with Smithsonian colleagues describe these two environments and are complemented by two other publications describing the diversity of Ascidiacea at these localities. All four papers are published by The Smithsonian Institution in Atoll Research Bulletin.



Professor Emeritus Ivan Goodbody

Other papers arising from the Belize research describe three new species of ascidian and in the coming year Bulletin of Marine Science will publish a major re-description of Caribbean species of ascidian in the genus *Ecteinascidia*, prepared in collaboration with Linda Cole of the U.S. National Museum of Natural History.

Professor Goodbody is also collaborating with the Mona Institute of Applied Sciences in the production of a CD-ROM depicting photographic illustrations of common Caribbean Ascidiacea in their natural habitat using photographs taken in Belize and Jamaica in the course of his research. As well as writing about ascidians, Professor Goodbody has recently published a paper in the Jamaica Journal of Science and Technology entitled "Port Royal as a focal point for Marine Biodiversity". Also, he collaborated with former CMS Director Dr. George Warner, in writing a chapter on Jamaica's marine biodiversity in the book "Caribbean Marine Biodiversity, the Known and the Unknown".



Prof Goodbody and his wife, Charlotte.

DBML News

Discovery Bay Marine Laboratory

Community Outreach

Ms Tracey Edwards coordinated two sessions of EcoCamps for parish youth. EcoCamps was funded by a grant from USAID and helps youth increase their aquatic skills and environmental awareness. Interns from CASE assisted Ms Edwards. At the end of EcoCamps **Mr. Anthony Downes** gave the interns SCUBA training.

Nitrox Training Course

Mr. Anthony Downes participated in a "Scuba Technician Specialist" course at Virginia Scuba (USA) in

September. The modules covered were: Scuba equipment repairs, Oxygen cleaning, Cylinder VIP, Nitrox and Trimix Blending.

Visitors to DBML

Mr. M Dorvenbosch, Association of the Marine Laboratories of the Caribbean / DBML fellow, worked at DBML with his assistant on his project investigating the interaction between juvenile fish assemblages in sea grass communities and adult fish communities on coral reefs. His results will be presented at the next AMLC scientific meeting.

PRML News

Port Royal Marine Laboratory

Chinese Scientists Visit the PRML

The Chinese ocean research vessel "Dayang Yihao" visited the Port of Kingston Jamaica from October 5 to 10, 2005. This was in association with the visit of a delegation from the State Oceanic Administration of China led by Mr. Wang Fei. The delegation requested a tour the Port Royal Marine Laboratory on Thursday, October 6th. They were treated to a talk on the history and research of the PRML and then toured the hatchery and other facilities. The head of delegation, Mr. Wang Fei, presented the Laboratory with a plaque from the R/V Dayang Yihao, which was received by **Dr Mona Webber**.



Dr. Mona Webber, Life Sciences Coordinator of the Port Royal Marine Lab, receiving the Plaque from Mr. Wong Fei. (Photograph courtesy of the Public Relations Office, Mona Campus)

CCDC News

Caribbean Coastal Data Centre

COAST 2005 Training Programme

Mrs. Marcia Creary, Data Manager was selected along with 24 other international professionals to take part in the Swedish International Development Cooperation Agency (Sida) sponsored "Sustainable Coastal Development COAST 2005. Advanced International Training Programme" held in Sweden, Sept 9 – Oct. 14. The course covered a wide range of topics related to the coastal zone such as coastal and oceanographic issues, coastal and marine ecology, fisheries and resource management, international organizations and conventions, spill risk assessment, environmental management, physical planning, public participation and political will, environmental impact assessment and strategic environmental assessment.



COAST 2005 participants in rapt attention during one of the lectures in Gothenburg, Sweden

The programme included lectures, workshops, project work, practical exercises, and study visits and was conducted in different cities in Sweden, mainly in Gothenburg, Stockholm, Kalmar, and Karlskrona.

Visit the following website for further information on how to participate in this programme - www.sspa.se.



CMS Research Projects

JCRMN Project for ICRI

The Jamaica Coral Reef Monitoring Network (JCRMN) was formed to coordinate the monitoring of coral reefs and associated ecosystems in Jamaica and to improve the availability of data and information on the status of coral reefs. The Network has been active since 2003 and has carried out monitoring in Negril, Port Royal, Boscobel, Port Antonio and Portland Bight. Future plans include the purchase of additional monitoring equipment and supplies, assisting with the establishment of the CARICOMP site in Portland Bight, production of a report on the monitoring activities of the JCRMN and the hosting of the first JCRMN Stakeholders Seminar. Future monitoring will focus on the St Thomas reefs. Further details on these activities will be provided as they become available. Interested persons are invited to join the JCRMN egroup. [JCRMN@yahoo.com]

Rackham's Cay (EFJ) project

The Port Authority dredged the northeastern edge of Rackham's Cay in 2001 in order to widen the ships' channel. Post-dredging monitoring was carried out by the CMS to assess the longer-term survival of the relocated corals. The results of this monitoring exercise have been documented and the final report submitted to the Environmental Foundation of Jamaica (EFJ). The CMS plans to continue monitoring the site twice yearly. Video transects from this study are archived at the CCDC.

Conferences, Workshops and Meetings

Presentations

Quinn, NJ, BL Kojis & A Bowden-Kerby 2005. Assessing the potential for natural recovery and coral restoration techniques for

enhancing coral habitat in Jamaica. Oceans 2005, 18-23 September 2005, Washington, D.C.

Creary, M. 2005. The Jamaica Coral Reef Monitoring Network - A Case Study. Sustainable Coastal Development: COAST 2005. Advanced International Training Programme. Sept 9 – Oct. 14, Sweden



Marcia Creary presenting her Case Study on the JCRMN at Kalmar University, Sweden.

Conferences

Coral Reef Restoration. Scientific Frameworks for Rehabilitation, October 18-19, 2005 - University of Miami -Miami, Florida. **Peter Gayle** attended this conference which focussed on the scientific, conceptual framework and strategies for reef assessment and restoration. Case studies were used to illustrate concepts and challenges inherent in coral reef restoration.

Up Coming Events

Bioenergetics Modeling of Fish Workshop

Dr. Jim Petersen, from the U.S. Geological Survey, will visit the Discovery Bay Marine Laboratory (DBML) and conduct a 2-day workshop on **Bioenergetic Modeling of Fish** from November 29-30, 2005. Bioenergetic Models are used to predict consumption needs and growth of fish, and have been useful in exploring a variety of basic and applied questions, including predator-prey relationships, competition for food, the effects of climate change and global warming, and many other examples. Further information may be

obtained from Dr. Norman Quinn, Director at the Discovery Bay Marine Laboratory, or email. norman.quinn@uwimona.edu.jm

Integrated Urban Planning 2006

Applicants are invited for this Sida financed programme which focuses on integrated urban planning. The new programme "Integrated Urban Planning" is scheduled to take place in **Karlskrona/Ronneby, Sweden between February 28 and March 29, 2006 and in Kampala, Uganda during August 2006.** Last application date is **November 18, 2005.** Visit the website <http://www.bth.se/sida/itp> to find the course brochure and application forms.

Publications

Quinn, NJ 2005. Assessing pelagic fish stocks off Jamaica using game fishing tournament results. Proc. 56th Annual Meeting of the Gulf & Caribbean Fisheries Institute. Tortola, British Virgin Islands. 56:241-252

Gayle, A.M. Greenaway , B. H. J. Charpentier A different perspective on the status of Jamaica's north shore reefs – is there a silver lining? Presentation at 32nd Scientific Mtg of the Ass'n of Marine Laboratories of the Caribbean; Curacao Sea Aquarium; June 13 - 17, 2005

Gayle, P. M. H., Wilson-Kelly, P., Green, S. (2005) Transplantation of benthic species to mitigate impacts of coastal development in Jamaica. *Revista de Biologia Tropical* 53 (suppl 1) p105-115.

