



*The University
of the
West Indies*

*Departmental Reports
Mona*

2010-2011

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**THE UNIVERSITY OF THE WEST INDIES
DEPARTMENTAL REPORTS
CAMPUS COUNCIL, MONA AND TO COUNCIL
FOR YEAR ENDING JULY 31, 2011**

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THE LIBRARY

MONA

Year ending July 31, 2011



**Leona Bobb-Semple, BA *Univ of Guyana*, DipLib *UWI*,
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Overview

The year under review was a particularly challenging one for the Library but amidst these challenges there were important achievements. The Library continued to utilize innovative measures to create public spaces and to upgrade and remodel facilities while at the same time maximizing the use of storage areas. With strong commitment from staff members many targets for the 2010/2011 academic year were achieved.

Users of the Library benefitted from ongoing renovations to the facilities and the reconfiguration of spaces in the Science and Medical Branch Libraries, and the construction of a new Law Library in the Faculty of Law building. The continuing upgrades resulted in increased seating capacity, provision of spaces for group and individual study, improvement in computer facilities, and the provision of specialized spaces for postgraduate students. As a result of these upgrades the Library now provides 271 computers for student access, 440 electrical outlets, and wireless connectivity for personal laptop computers, while seating has increased by 20% since July 2010.

Central to the impact of these developments is a cadre of trained staff with effective customer service skills, so staff development and training were key focus areas to improve administrative efficiency and service throughout the Library system. The Library continued to build its collection of electronic material by providing access to approximately 46,

165 electronic journals and 3,882 electronic books. Usage of the databases increased significantly, an indication of the direction that users are moving in. Correspondingly, loans of print material have been decreasing. In June 2011, the Library established a Marketing Team whose mandate is to communicate to the academic community the services and resources offered by the Library. Digitization of material from the Special Collections continued. Some 300 rare maps were digitized during the year under review. Systems librarians across the University campuses worked to complete UWILinC, a common interface for accessing information. With the availability of UWILinC the campus community will have access to a “state of the art” search and discovery interface which allows users to search simultaneously the print, electronic, and digital collections from all four campuses.

WORK OF THE DEPARTMENT

New Students Orientation

Close to 1000 students attended orientation sessions comprising a 30-minute PowerPoint presentation on the library and its resources followed by a tour of the Main Library. The tours were conducted by

well-trained peer tour guides. At the end of the sessions students were provided with book marks detailing the library services and opening hours. In September 2010, the Library, in collaboration with MITS, sent individual emails to incoming students to attend OPAC and database training sessions realizing excellent response. In addition, in an effort to put new students at ease, staff members in public service areas of all libraries wore **ASK ME** pins inviting students to approach staff members with questions and problems.

Loan Statistics

The overall loan statistics continue to reflect a decline in all areas with only an increase in Reading Room loans during the extended hours. This is no doubt attributable to the use of alternative resources such as databases, e-books, on-line journals and the Internet. As demonstrated from one of the most popular database, EbscoHost usage has increased by 37%. SCIENCEDIRECT to which UWI libraries have a joint subscription reflected increased usage across the campuses from 42,859 to 132,715 hits.

Loan Statistics for Printed Materials

Library	O/N	RR	Openshelf	Periodicals	Total
Main	37,885	12,778	35,919	1,609	88,191
Medical	1,845	828	3,032	585	6,290
Science	14,155	2,473	7,932	149	24,709
Law	1,687	454	194	8	2,343
WJC	1,433	579	775	–	2,787
Grant Total	57,005	17,112	47,852	2,351	124,320

EBSCOHOST DATABASE USE STATISTICS, 2009-2011

Year	Month	Searches	Full Text Download	Abstract Download
2009	August	11,498	1,642	4,026
2009	September	60,650	6,552	20,264
2009	October	113,310	14,902	34,077
2009	November	78,699	10,424	23,394
2009	December	16,965	2,491	5,195
2010	January	15,808	2,631	8,986
2010	February	99,456	19,145	81,704
2010	March	120,474	25,728	109,813
2010	April	85,783	15,790	63,094
2010	May	29,153	5,662	24,438
2010	June	45,926	11,170	49,985
2010	July	32,502	8,246	32,126
TOTAL		710,224	124,383	457,102

Year	Month	Searches	Full Text Download	Abstract Download
2010	August	11,005	2,027	8,034
2010	September	51,939	14,521	76,932
2010	October	108,881	32,499	133,376
2010	November	82,162	20,500	83,353
2010	December	28,507	6,017	19,665
2011	January	21,059	5,606	26,861
2011	February	115,600	26,796	130,326
2011	March	140,570	27,876	127,291
2011	April	102,795	14,562	64,920
2011	May	45,960	3,841	22,729
2011	June	37,924	6,742	27,014
2011	July	63,219	9,947	27,694
TOTAL		809,621	170,934	748,195

Security of Library Material

The Library secured funding through the auspices of UWI Development and Endowment Fund (UWIDEF) for the acquisition of a 3M Book Check Security System at the Main Library. Installation of the system was given a very narrow window and had to be done by December 31, 2010. Working in collaboration with Campus Projects Office, TELiCon, 3M Jamaica and UWIDEF, the Library was able to launch the system on January 18, 2011.

Tattle strips were applied to all books in the Main Library, except rare books, by the end of March 2011. This has had a tremendous impact on the work of the Loan and Reference Section not only in terms of staff efficiencies but also in customer satisfaction as now items not legitimately borrowed could be easily detected. Consequently the library attendant who checked books is now assigned other duties particularly in assisting with the speedy delivery of services in areas such as fetching RBC books and assisting clients in locating material on the open shelves.

MONA INFORMATION LITERACY UNIT

The academic year was another very productive one for the Mona Information Literacy Unit (MILU). The Unit endeavoured to ensure that all students were given training in the use of the catalogue and databases, and a greater effort was made to embed these key areas in training sessions requested by faculty. This type of training empowered students to access these resources at anytime and anywhere.

With the improvement of services to postgraduate students, a record number of postgraduates came to the Library for consultation on referencing and presentation of their theses prior to submission for examination. Additionally, a comparable number of theses to the previous year was received from the Office of Graduate Studies and Research, the majority of which came from the Faculty of Pure and Applied Sciences. From interactions with students at both the undergraduate and postgraduate levels it was evident that citations and

referencing were key focus areas. Teaching resources on citation styles and referencing were mounted on the websites and more open sessions would be scheduled for students in the coming academic year.

Orientation lectures to undergraduates and postgraduates of the Education Section of the Faculty of Humanities and Education were offered from September 20-23, 2010. This was seen as vital because of the closure of the Education Documentation Centre and the merging of this collection with the education collection in the Main Library. These sessions sought to assist students in finding their way in the Library and to reduce the anxiety that would likely occur as a result of the closure of the Centre. Specialized sessions were also held on the request of lecturers in education throughout the year.

The table below shows the number of students exposed to Information Literacy training during the academic year; these include customized and outreach sessions, and targeted activity by branch libraries.

Information Literacy Training Sessions conducted at the Main Library, Branch Libraries, and Outreach	Sessions	Number of Attendees
Main	199	6,004
Law	13	595
Medical	7	114
Science	18	219
Western Jamaica Campus	18	249
Outreach	6	480
Total	260	7,661

Increase in Information Literacy Sessions between 2007 to 2011

Year	Number of Sessions	Number of students
2007-2008	269	6,422
2008-2009	289	4,924
2009-2010	185	5,640
2010-2011	260	7,661

Information Literacy Online

In order to reach a wider audience and to provide interactive resources anytime anywhere, the Mona Information Literacy Unit updated several online resources. The presentation *How to avoid plagiarism by proper referencing* was updated and a copy of this PowerPoint was placed on the Graduate Studies portal. The Unit also produced *Wikipedia: Is it for you?* in an effort to guide students as to the pitfalls in using Wikipedia as a scholarly source in their research. To assist students to improve their research and writing skills, and to mark **World Book and Copyright Day** on April 23, 2011, MILU mounted an exhibition on *Literature Review* at the Main and Branch Libraries. The information is mounted in PDF format on the Library's website and can therefore be consulted by students at anytime.

Focus on Postgraduate Students

Assistance was provided to postgraduate students in face to face meetings as well as by e-mail regarding the format, arrangement, abstract and referencing of their theses. Training sessions in the use of EndNote were also held throughout the year. The table illustrates the consistency with which theses were sent to the Library by the Office of Graduate Studies and Research for scrutiny.

Year	Theses		Total
	Masters	PhD	
2009-2010	43	49	92
2010-2011	41	53	94

Furthermore, since February 2010 the Library has been more involved in giving assistance to postgraduates in referencing and presentation of their theses prior to and after submission for examination. The Unit produced a thesis consultation request form for students to make request in advance giving librarians time to plan for these meetings. These forms are available at the reference desks at the Main and Branch Libraries or via email from MILU. This has helped tremendously in streamlining this activity and reducing the anxiety levels of both students and librarians.

The table below shows the increase in the number of consultations over the previous year. This resulted in an improvement in the quality of the presentation and referencing in the theses submitted to the Office of Graduate Studies and Research.

Year	Consultations
2009-2010	23
2010-2011	54

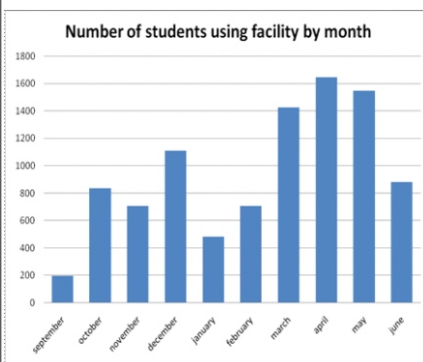
Information Literacy in the Bahamas

Mrs. Karlene Robinson, Coordinator of MILU, and Mrs. Faith McKoy-Johnson, Medical Librarian, participated in information literacy training of students and faculty of the School of Clinical Science and Medical Research as well as the Centre for Hotel and Tourism Management in Nassau, Bahamas, from February 26-28, 2011. These sessions were timely and students were able to see how they can benefit from the use of electronic resources in their discipline available through the catalogue, databases, and on the internet.

SCIENCE BRANCH LIBRARY

The refurbishing of the Science Branch Library which began the previous academic year created a more conducive atmosphere to the teaching and research process. On September 13, 2010 the new Postgraduate Learning Commons (PGLC) which includes seminar rooms, conference room, a 25-seat computer lab and reading room for graduate students, and the 42-seat computer lab created for undergraduates, were formally opened. The shifting of the underused collections such as abstracts and indexes from the first floor to basement storage resulted in additional seating space for undergraduates. As more students acquired personal laptops the need to provide electrical outlets was evident, so 64 electrical outlets were provided on the ground floor.

PGLC, Science Library	Usage: number of students
September 2010	196
October 2010	838
November 2010	706
December 2010	1,112
January 2011	485
February 2011	709
March 2011	1,427
April 2011	1,646
May 2011	1,549
June 2011	884
July 2011	400
Total	11,963



Since its opening the PGLC experienced very heavy usage in all areas. During the academic year 2010/2011, postgraduates used the PGLC for several activities. The table and graph above highlight the statistical breakdown per month on the usage and bookings made.

PhD student Cheryl Stewart, defended her thesis in Science Branch Library's PGLC in November 2010, to Professor Helen Jacobs, Professor Wayne McLaughlin, and others.

Summer Drug Research Experience Workshop

Eleven high school students attended the Summer Drug Research Experience Workshop put on by the Pharmacology Department, UWI Mona, during July 4-7, 2011 and July 11-14, 2011.

The collaboration of the Library was sought for use of the Science Branch Library's Computer Lab as well as assistance from staff in the Science Library, for presentation of sessions on reference material and conducting advance searches using Medline. Participants came from schools in the corporate and rural areas namely Campion College, Immaculate Conception High School, Kingston College, Excelsior High School, Munro College and Cornwall College.

CARDIN

The CARDIN Secretariat received support from the Disaster Risk Reduction Centre, UWI Mona Campus, during the year under review. Dr. Barbara Carby, Director of the Centre, encouraged the preparation of a proposal to the African, Caribbean and Pacific (ACP) Group of States which was submitted October 20, 2010. The general objective of this proposal is to "strengthen the capacity in the Caribbean for the collection, indexing, dissemination and use of disaster related information."

Further support in the form of resource personnel assisted the Secretariat in the accomplishment of its annual targets. During the period May to July 2011, Mr. Dorlan Burrell, Postgraduate Student, Environmental Management Unit/DRRCs MSc programme, was assigned to the section for 20 hours each week. Mr. Burrell's main assignments were to upgrade the Caribbean contacts listing and upload

records to the Virtual Disaster Library. The CARDIN Secretariat was able to boost its services and attract more visitors during the period under review due to the support and insight of Dr. Carby, and the public recognition of Ms. Beverley Lashley, Head, Science Branch Library and Coordinator of CARDIN, by the *Association of Caribbean University, Research and Institutional Libraries* (ACURIL) as the Caribbean Information Professional of the year 2011 for her contribution to the management of disaster information and the impact of CARDIN in the region.

MEDICAL BRANCH LIBRARY

The Medical Branch Library was significantly upgraded resulting in a more pleasing and inviting environment with seating increased to 257. This includes a 25-seat computer lab, casual seating, and facilities for bag room and lockers on the ground floor; while the first floor includes a conference room and refurbished carrels. The roof deck on the second floor was enclosed to allow for some 60 additional seats as well as two group study rooms. Facilities for personal laptop use have also been provided, as well as a Bag Check Room outfitted with lockers. The Library has already seen increased traffic in all areas.

LAW BRANCH LIBRARY

The construction of a multipurpose Faculty of Law Building provides students with a seamless flow to classrooms, faculty and administrative offices and to a two floor Law Library. The Law Collection housed in the Main Library was transferred to the new two-level facility which opened to the public on March 14, 2011. The Law Library provides seating for approximately 150, a small computer area, areas for use of personal laptops, a laptop loan service for 18 laptops, as well as two seminar rooms.

The immediate focus of the Law Library is collection development and access. To this end, database creation to provide improved accessibility

to the Caribbean materials continued and at the end of July 2011 the number of records stood at:

- Caribbean Law Journals Index Database = 385 records
- Jamaica Law Reports Index Database = 18, 281 records
- Faculty of Law Staff Publications Index Database = 62 records.
- Jamaica Gazette Database = 57 records

Efforts were also made to ensure that material appearing on Reading Lists was in place for the second and third years of the LLB programme.

WESTERN JAMAICA CAMPUS LIBRARY

Although restricted by the physical infrastructure, some improvement at the WJC Library increased the seating from 22 to 40, with provision of 11 desktop computers. In addition, there were also 11 laptop computers for loan. The Library continues to depend heavily on student workers in order to maintain services.

WEST INDIES AND SPECIAL COLLECTIONS

Ms Tanya Manassi gained considerable experience in the management of Special Collections from an attachment at the Alma Jordon Library, St Augustine Campus, in May 2011. The Section redoubled its efforts in the organization of special material. It was projected that the organization of the Sheridan Collection and PJ Patterson Collection would be completed by December 2011 and finding aids would be accessible, thus facilitating research of this material. Three forms had been designed to further streamline administrative procedures in the West Indies and Special Collections Section. With the ongoing digitization programme and public access to material from the Special Collections, the forms were designed to monitor and manage donations and the use of special material. These forms are: *Application for Permission to Reproduce UWI Material*; *Agreement for Outgoing Loan of Works of Art/Artifacts*; and

Gift/Deed Form. These have formalized previously informal procedures for dealing with the Library's valuable collections and donations of special material.

TECHNICAL SERVICES

After years of deliberation, three formerly separate units: Acquisitions, Serials, and Cataloguing Sections were merged to achieve greater efficiencies in terms of staffing and processes, and more efficient use of ALEPH - the integrated library system software. These Sections are located in one physical space loosely referred to as *Technical Services* with the mandate to retrain staff so that several persons are equipped to perform a number of integrated functions.

The focus of the Section was to leverage the technology at its disposal and as such introduced an Online Request System designed in Microsoft Access, which allowed librarians throughout the system to place titles to be considered for purchase directly into a database. This facilitated better record-keeping and accessibility as it minimized the use of paper suggestion slips, provided for better tracking and monitoring of requested orders, matched orders with donations received, and provided easy feedback thus enabling healthier communication and quick response to queries on the status of requested items. The system also provided greater transparency in the ordering process. Continued use of the process would be consolidated in the 2011/2012 academic year.

Another example of better utilization of technology is that donated items were for the first time incorporated into the Aleph Acquisitions Module from March 1, 2011. This provided a permanent record of donated material and alleviates the difficulty of tracking donations post-acquisition. Inputting the data into the Acquisition Module also allowed a cost to be ascribed to the gift, not only to gain monetary value but also to factor staff time in handling the material.

INFORMATION RESOURCES

Print Resources

The Library continued to experience severe financial challenges in the pursuit of its commitment to provide resources and services of the highest quality in support of research and teaching.

The statistics below show that the number of new titles added to the collection decreased when compared to last year. A total of 2,924 titles were added to the Library's collections. Of these only 544 were purchased, 2,380 were received as gifts.

	2005/ 2006	2006/ 2007	2007 /2008	2008/ 2009	2009 /2010	2010/ 2011
New Titles	2,544	3,534	3,119	4,602	4,731	2,924
Volumes	3,846	5,550	5,153	6,751	6,996	5,779

Electronic Resources

In keeping with the policy to move to electronic journals, the Library now subscribes to 46,165 electronic journals and 3,882 electronic books. The Library also commenced subscription to the **EBSCO Caribbean Search Database** which provides full text access to Caribbean material and the **Wilson Web database**, an amalgamation of the full text titles from 10 Wilson databases which includes several full text law journals. Agricultural research was strengthened by the funding obtained to the tune of US\$5,000 from the Technical Centre for Agricultural and Rural Cooperation (CTA), to purchase the **TEEAL database** produced by Cornell University. CTA will provide an initial investment in the (1993-2009 and 2010 updates) to improve the library's resources in the furtherance of agricultural research. The database provides access to approximately 200 full text journals which capture the best agricultural research output.

Significant Donations

The Library obtained significant gifts of West Indian material donated by the estates of Mr Kenneth Ingram, former University Librarian, and the Honourable Professor Rex Nettleford, former Vice Chancellor. Retired Deputy Principal, Mr Joseph Pereira donated a significant collection of Latin American literary material. Other significant gifts were received from Mr LeRoi Clarke the renowned Trinidadian and Tobagonian artist; the Chinese Embassy through the auspices of Dr Courtney Hogarth, Director of the Confucius Institute; books and other special material in Economics and Banking from Professor Claremont Kirton; and 44 law books from the Faculty of Law and the Kingston Bookshop, among others. A total of 110 titles of books and journals were donated by the Disaster Risk Reduction Centre. This donation assisted in filling the gaps in some journal titles while the book collection will provide irreplaceable Caribbean geological information in the Science Library. A donation of J\$55,000 was also received from UWI STAT, Mona Corps, in February 2011.

In an effort to foster ‘give back’ on the part of students, the Library initiated a Library Book Drive for the month of June 2011 to encourage finalizing and other students to donate books to the Library. This initiative, suggested by Ms Cherry-Ann Smart, Librarian 1, received modest success garnering donations of 41 titles to boost the Reserved Book Collection.

Gifts also came in the form of a generous donation from Mr. Joseph Pereira of 23 paintings done by the intuitive Jamaican artists Ras Dizzy, as well of one of his own works from retired lecturer of the Department of Literatures in English, Dr. Earl McKenzie.

STAFF DEVELOPMENT

The Staff Training Librarian, Ms Cheryl Kean, organized a number of training programmes which included webinars and face to face sessions throughout the year. These sessions explored the use of cutting edge

technology in the academic environment as well as other key areas pertinent to staff development.

Library Sandbox Programme

The Library Sandbox programme continues to successfully fulfill its mandate of keeping staff abreast of the new technologies impacting libraries. Sessions held during this academic year included a presentation by Mrs. Cynthia Meggoe-Ebanks from MITS on the webinar software *Big Blue Button*. Staff members got an opportunity to discover the features of the software as well as an understanding of implications of webinar software for teaching, learning, and the sharing of information across borders in the academic environment. Ms. Sasekea Harris, Jay Jordan IFLA/OCLC Early Career Development Fellow 2010, shared experiences of her visits to libraries in Europe and the United States.

Ms. Sam Nickell, Vice President of Product Development at *Boopsie* gave a comprehensive demonstration of the features of this multi-platform **mobile** application for public and academic libraries. Mrs. Faith McKoy Johnson gave a presentation on *Twitter* and its use and application in the academic library environment, while Ms. Cheryl Kean presented on “QR codes” and their usefulness for marketing the library’s products and services. The “QR code” for the University Library was rolled out on bookmarks at the Denbigh Agricultural Show in July 2011 as a test before full use in the new academic year.

Share One Thing Programme

The **Share One Thing Programme** was developed and launched in February 2011 and three sessions were held. Designed to be a forum for staff who attended conferences or other training programmes to share their knowledge with colleagues, it is also seen as contributing to capacity building at both the individual and institutional levels. The topics covered were: a) *Presentation Techniques: Using Your Body as a Teaching Aid*-presenter Mrs. Karlene Robinson who shared her experience from the

ACRL Immersion of Information Literacy; b) *Proposal and Grant Writing* - Presenter: Mrs. Frances Salmon, who shared her experience from attending continuing education course on this topic at the Mona School of Business, c) *Mounting and Preserving Library Exhibitions* – Presenter: Mr. Dunstan Newman, who spent one month at the University of Florida Digital Library Centre, while on a UNESCO Fellowship.

Customer Service Training

In keeping with the thrust to improve customer service and to integrate staff strategies to satisfy user demands, the *Customer Service Standards* for the Library were launched in January 2011. At the request of the University Librarian, these standards were shared with the other campus libraries. Now available in all Branches and Sections and read and agreed to by all staff members, these standards provide a guide to expected behaviours for Library staff. This launch was followed by a number of small group training sessions for staff in July entitled, “*How to Deal with the Angry, Abusive, Aggressive Library Patron*” which offered excellent insights on how to understand the pressures and stresses of students, and measures which staff members can employ to diffuse challenging situations.

Training of Student Workers

The Library continued to depend on a cadre of student workers in a number of crucial areas of its service provision and development. Training was crucial to the productive output of these support staff members. Two training sessions for new and returning student workers were conducted in September 2010 and January 2011. Instructions included information on good work ethics, expectations of student workers, basic customer service principles, and rules governing work in the Library.

Three training sessions titled “*Shelving in the UWI Library*” were also conducted with student assistants, particularly those assigned to the

Extended Hours Shifts who were responsible for shelving of material in the library at nights. These sessions were important to relieving the frustration of users who either could not find items on shelves due to mis-shelving of material or in cases where material was not re-shelved in a timely and efficient manner.

National Engagement

The Library continued to provide leadership to libraries nationally through the involvement of staff in the Library and Information Association of Jamaica and in the Jamaica National Library and Information Network. Mrs. Karlene Robinson made six presentations on the topic, “Enhancing Learning in the School Libraries through the use of Technology” at the Jamaica Library Service annual training seminars in six regions throughout Jamaica during the period November 16, 2010 to February 24, 2011. The overall theme of the seminars was “School Libraries: Building Literate Communities”.

She also made another presentation on Web 2.0: “The Ethical and Legal Challenges for Public Libraries Today” at the Public Education Forum convened by the Association of Librarians in the Jamaica Library Service (ALJALS), on Wednesday April 13, 2011 at the Joyce Robinson Hall, Kingston and St. Andrew Parish Library. These sessions were attended by a number of high school students, teachers and librarians.

PAPERS PRESENTED

- Douglas, Myrna. “Continuing Education and Professional Development of Caribbean Law Librarians.” 26th Caribbean Association of Law Libraries (CARALL) Conference and Annual Meeting, Port of Spain, Trinidad and Tobago, July 2011.

- Harris, Myrtle. “Plagiarism in Academic Institutions”. Meeting of COLINET members, February 16, 2011, Bethel Bible College.
- Kerr-Campbell, Maureen. “Digital Preservation of the Cousin Hereward Postcard and the West Indian Journey of a 1961 Undergraduate Collections at the Mona Library, University of the West Indies, Jamaica” – The Archaeology Society of Jamaica (ASJ) Symposium, Kingston, April 13-14, 2011.
- Lashley, Beverley. “Urban Risk Reduction and Governance: A Review of the Literature.” Regional Workshop - Caribbean Cities Getting Ready: Improving Resilience to Disasters and Climate Change. Dominican Republic, August 4-8, 2010.
- Lashley, Beverley. “Documenting and Accessing Earthquake and Related Hazards Information”. Jamaica Fulbright-Humphrey Alumni Association Public Forum on Earthquake and Tsunamis, Kingston, Jamaica. October 20, 2010.
- Lashley, Beverley. “Writing Winning Proposals: Seven Steps to Success” DLIS Summer Institute on Business Information Services and Resources. June 27 – July 1, 2011.
- Lashley, Beverley. “Caribbean Disaster Information Network – A Free Access Resource”, Association of Caribbean, Research and Institutional Libraries XLI Tampa, Florida, May 30 – June 3, 2011
- McLean, Evadne with Dorothy Palmer. “The Library has flooded! Even with a Preparedness Plan, Disasters can Strike: Flooding Experiences, UWI Mona Library.” ACURIL. Tampa, Florida. May 30 – June 3, 2011.

- Nicholas, Pauline. “Web 2.0 Benefits and Challenges for Public Libraries Today”. The Association of Libraries in the Jamaica Library Service Public Education Seminar. June 2011.
- Nicholas, Pauline. Poster Presentation. “A Feasibility Study of Webinars Series”. American Library Association, Learning Roundtable. New Orleans, June 2011
- With Thelma White: “E-Learning, E-books and Virtual Reference Service: The Nexus Between the Library and Education.” Biennial Conference on Education. Ocho Rios, Jamaica. June 15- 17, 2011.
- Robinson, Karlene. “Enhancing Learning in the School Library through the use of Technology”, Jamaica Library Service annual training seminars in six regions of Jamaica, November 16, 2010 – February 24, 2011.
- Robinson, Karlene. “Web 2.0: The Ethical and Legal Challenges for Public Libraries Today”. Association of Librarians in the Jamaica Library Service (ALJALS) Forum. Kingston and St. Andrew Parish Library, April 13, 2011.
- Lawrence, Yvonne and **Claudette Solomon**. “Legal Information for Business (TBC)” DLIS, UWI Summer Institute on Business Information Services and Resources, July 27 – July 1, 2011.

PUBLICATIONS

Refereed Journal Articles

- * Kean, Cheryl. "An index to the Journal of Education and Development in the Caribbean Vols. 1-10". *Journal of Education and Development in the Caribbean* Vol. 11 no. 2 : 122 - 159.
- * Nicholas, Pauline. "From Desk to Desktop: Digital Reference Service Leveraging Educational Assistance to the Distant Learner: Implications for Jamaica." *Journal of Library and Information Services in Distance Learning*. 4.1/2: 18-29.
- * Nicholas, Pauline. "Benchmarking an Essential for Special Libraries in the Caribbean: The Jamaican Case." *Library Management* 31. 3 (2010): 186-197.
- * Nicholas, Pauline. "E-book Use at the Mona Library of the University of the West Indies: Marketing Made a Difference." *Elsevier Library Connect Newsletter*. 9 .2 (June 2011): 5.
- * Newman, Dunstan. "A Book Repair Programme: A Practical Solution to Damaged Items and Tighter Budgets." *Library and Information Association of Jamaica Bulletin* 2010-2011. (2011)
- * Amenu-Kpodo, Norma, Judith Rao and **Rosemarie Runcie**. "Towards a centralized University of the West Indies Mona Information Network (UWI-MINET)". *Library and Information Association of Jamaica Bulletin* 2010-2011 (2011)

Books and Monographs

- * Lashley, Beverly. Cooperative Planning and Disaster Recovery Strategies: Collections of the Comprehensive Research Libraries of the State of New York. Germany: VDM Verlag Dr. Muller. 2010.

- * Robinson, Karlene and Novelette Cooke. Carlong Economics for CSEC with SBA Study Guide and Exercises and CD. Kingston, Jamaica: Carlong Publishers, 2011.
- * Robinson, Karlene and Sybille Hamil. Carlong Principles of Business for CSEC with SBA Study Guide and Exercises and CD, 2nd ed. Kingston, Jamaica: Carlong Publishers. 2011.

PUBLIC SERVICE

Beverley Lashley

- Chair, Membership Committee, Jamaica Fulbright Alumni Association
- Member, Program Committee, ACURIL Conference
- Judge, National History Museum of Jamaica of the Institute of Jamaica

Evadne McLean

- Joint Editor, *Library and Information Association of Jamaica Bulletin*

Pauline Nicholas

- President, Library and Information Association of Jamaica
- Assistant Treasurer, Jamaica Humphrey Fulbright Alumni Association
- Member, The Online Computer Library Centre America Regional Council By-Laws Committee

Andrea Robins

- Secretary, Library and Information Association of Jamaica

Sandra Stubbs

- Executive Member, Steering Committee, Jamaica Library Service Retirees' Association
- Judge, National Reading Competitions, Jamaica Library Service
- Distinguished President, Kiwanis Club of St Andrew

AWARDS

Ms Beverley Lashley, Head, Science Branch Library and Coordinator of CARDIN, was recognized as the Caribbean Information Professional of the Year 2011 by the *Association of Caribbean University, Research and Institutional Libraries* (ACURIL).

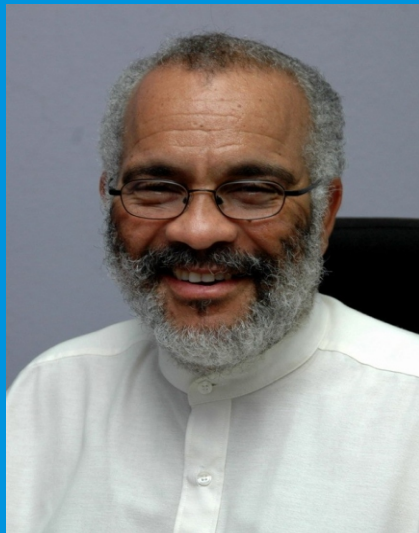
Mr Dunstan Newman, Preservation and Conservation librarian was awarded a UNESCO Fellowship in Preservation and Conservation to pursue an attachment at University of Florida at Gainesville.

Mrs Pauline Nicholas, American Library Association (ALA) Emerging Leaders Award 2011.

FACULTY OF HUMANITIES AND EDUCATION

MONA

Year ending July 31, 2011



Swithin Wilmott, BA *UWI*, DPhil *Oxf* – Dean

Overview

The Faculty of Humanities and Education maintained its commitment to the major goals of the 2007-2012 University Strategic Plan and pursued various initiatives within the constraints of available resources.

Transformational Academic Initiatives

Strategic Accomplishments

The re-structuring of the School of Education was a significant accomplishment with the merger of the Department of Educational Studies (DES) and the Institute of Education (IOE). Whereas previously they operated separately and independently, now they are fused into teaching and research clusters for related disciplines and report to the Director of the School of Education (SOE). These clusters will provide better articulation in the undergraduate and graduate programmes and ensure greater synergies between teaching and research. Further, there would be a stronger emphasis on collaborative inter-departmental and cross campus research and a broader and stronger base for national and regional engagement. Importantly, the administrative support system would be centralized and the SOE would be better positioned to enhance the quality of tertiary education on the campus and in the larger tertiary education sector.

Curriculum Initiatives

Curriculum Reform and Renewal occupied the collective focus of the Faculty that determined to preserve UWI's reputation as an institution of higher learning dedicated to the attainment of the human potential of its students.

The Faculty's response to dwindling budgets and external questioning as to the relevance of the humanities has been to enhance and enrich its programmes. Accordingly, the following were agreed for implementation in 2011/12:

- Minors in Entertainment and Cultural Enterprise Management, Cultural Studies, and Music, and a Minor in Law for History Majors.
- Heritage Studies courses will be included in the Tourism Management programme offered in the Department of Management Studies
- New Caribbean History course in Education and Development in the Commonwealth Caribbean since the 1930s
- Liberal Studies Majors to have more disciplinary options in the Social Sciences, including Public Sector Management and Criminology.

Carimac completed the drafting of both the BA in Integrated Marketing Communication and Media and Communication Studies for delivery in the 2011/2012 academic year, the former at Mona and Western Jamaica, and the latter at Mona.

Teaching and Learning

The Faculty maintained its reputation for high quality teaching with several colleagues attaining minimum scores of 4.5 and above (out of 5) in the students' assessments exercise and remains committed to the use of modern technology to enhance teaching and learning. Members of various departments registered in the Post-graduate Teaching Certificate

Programme, and others, including graduate tutors, registered for at least one of the several IDU modules/workshops to enhance teaching and learning effectiveness.

Turning out the Ideal UWI Graduate

Internships and other out of classroom learning experiences, locally, regionally and internationally, formed part of the students' exposure and training in disciplines such as Archaeology, Education, Entertainment and Cultural Enterprise Management, Media and Communication, Library Studies and Modern Languages.

In keeping with goal of the Strategic Plan to produce graduates capable of oral communication in English and with communication skills for the world of work, the Language Section expanded its intake in the two level three courses, LANG 3001: **Public Speaking** and LANG 3101: **Business Communication**

Management, Quality and Conduct of Graduate Programmes

Improved departmental focus and increased Faculty capacity to manage programmes are reflected in throughput levels for research degrees. Whereas in 200/92010 there were 7 PHDs, for 2010/2011 there are 12 PHDs, with 3 others currently being examined.

The School of Education implemented the MA Programme in Technical and Vocational Education and Training (TV CET) and discussions are progressing with the Open Campus for on-line delivery. The Masters of Arts in Teaching was also restructured and it has also been agreed that the Masters Programmes in History Education will integrate courses from Graduate Programmes in History and Heritage Studies, respectively.

Research: Publications and Awards

Two colleagues published books during the period under review:

- Beverley Bryan, Between Two Grammars: Language Learning and Teaching in a Creole-speaking Context (Ian Randle Publications, 2010)
- Waibinte Wariboko, Race and the Civilizing Mission. Their Implications for the Framing of Blackness and African Personhood, 1800-1960 (African World Press, 2010).

At the Mona Research Day Awards ceremony in January 2011, Professor Claudette Williams received the Principal's award for Outstanding Research for her book, The Devil in the Details: Cuban Antislavery Narrative in the Postmodern Age. Drs. Donna Hope and Sonjah Stanley Niaah received the Principal's Award for Best Research Publication (Book) for Man Vibes: Masculinities in the Jamaican Dancehall and Dancehall: from Slave Ship to Ghetto, respectively. Dr. Hope also received the Principal's Award for Best Publication (Article) for "From the Stage to the Grave: Exploring Celebrity Funerals in Dancehall Culture", in *International Journal of Cultural Studies*. Dr. Swithin Wilmot also received the Principal's Award for Best Publication (Article) for "Emancipation as Empowerment: Blacks in Jamaican Vestries, 1850-1865", in the *Jamaican Historical Review*.

National Engagement/Public Service

Of special note is the remarkable impact of the final year course *Communication Analysis and Planning* that was taught in the Public Relations Programme at the Western Jamaica Campus (WJC). It required the design and implementation of development communication projects in areas of national import such as education, health, information technology, environment and agriculture, and therefore built strategic partnerships with key institutions and individuals within media, the corporate world, the public service and community development agencies in Western Jamaica. The execution of these projects provided high visibility for the WJC and in a very profound way underscored the value and impact of the WJC.

The Institute of Caribbean Studies organized a variety of Symposia and public lectures:

- August 17-20, 2010. The Rastafari Studies Conference “Negotiating the African Presence: Rastafari Livivity and Scholarship,”
- October 22, 2010. The Annual Walter Rodney Lecture entitled “Rodney to Ragga; From Black Power to Gold Power – Who Will Sort Out the Nation?” was delivered by Mr. Robin “Bongo Jerry” Small.
- February 11, 2011. The Annual Bob Marley Lecture “Bob Marley and the Wailers Live: Performance and Politics in the Touring History of the Wailers”, was delivered by Dr. Matthew Smith, Senior Lecturer in the Department of History and Archaeology, and it was very well received.
- February 26, 2011. A Symposium – “The Social Impact of Jamaican Popular Music” explored topical issues in the Jamaican music landscape, including the impact of music on adolescent sexuality, music and violence, and the effects of dancehall lyrics on Caribbean youth. It was designed to encourage dialogue among researchers, music stakeholders and the public on critical issues in Jamaican popular music.
- March 22, 2011, the Department of History and Archaeology hosted the 27th Annual Elsa Goveia Memorial Lecture. Dr. Karl Watson retired Senior Lecturer at the Cave Hill Campus, delivered the lecture, “The Modernized Caribbean Landscape and Its Implications for Heritage and Tourism: The Barbados Experience”. The lecture emphasized the challenges of tourism expansion in relation to sustainable development and was well received.
- March 17, 2011, Professor Silvia Kouwenberg delivered her Inaugural Professorial Lecture entitled, “The Future of Caribbean Linguistics”.

The SOE signed a MOU with Sam Sharpe Teachers College to offer Literacy Studies, thereby extending the existing relationship with Moneague and Bethlehem Teachers' Colleges, respectively.

Several Departments mounted workshops on the Campus in their respective disciplines for teachers and students in support of the respective CXC/CAPE syllabi. The Faculty organized a workshop in a variety of CAPE subjects at Glenmuir School in December 2010 which was attended students from 10 schools in the Clarendon area. In addition, during Research Day in January 2010, the Faculty facilitated Cape Workshops on both days for sixth form students who visited the campus.

Regional Outreach

Several colleagues in the Faculty supported the Caribbean Examinations Council's CSEC and CAPE examinations by serving on Subject Panels, as Chief and Assistant Chief Examiners in respective disciplines. Further, the School of Education (SOE) is also partnering with the CXC to review their Agricultural Studies Programme.

The Department of Library and Information Studies was invited by the UNESCO Division of Information and Communication to carry out a survey of information literacy levels among teachers and teachers in training in the Caribbean. The countries surveyed were Antigua, Barbuda, Guyana, Jamaica, and Trinidad and Tobago.

The School of Education carried out various regional initiatives.

- BEd. programmes in Secondary Education and in Primary Math and Science were delivered in partnership with the Open Campus.
- Workshops in educational leadership and professional development were mounted in the Turks and Caicos and Cayman Islands.
- External Assessment for teaching practicum assessment was carried out in Antigua, Belize, Cayman Islands, Grenada and the Turks and Caicos Islands.

- Provided oversight for the Music and Early Childhood Associate Degree Programmes at the Antigua State College.
- Hosted the regional Biennial Education Regional Conference at the Jamaica Grande, Ocho Rios, June 15-11, 2011.

The Jamaica Language Unit hosted a conference on “Caribbean Rights and Language Policy” in January 2011. The conference was designed to bring Linguists in touch with policy makers in relation to the draft Language Charter on Language Rights and Policy. Government and Ministerial representatives from the Netherland Antilles, St. Lucia, Barbados, Jamaica, Trinidad, among others attended.

Dr. Aleric Josephs of the Department of History and Archaeology, supported by the Mona Campus, visited St. Kitts and Nevis to participate in their National History and Heritage Week, February 13-18, 2011. Dr. Josephs conducted workshops with students and teachers of History at the CSEC and CAPE levels and also delivered a public lecture at the UWI Open Campus St. Kitts and Nevis Site. The title of her lecture was, “Social Control, Gender and the History of Caribbean Education.” She also participated in a televised panel discussion and visited Heritage Sites in St. Kitts and Nevis.

Regional and International Collaborative Arrangements

A Memorandum of Understanding between the SOE and the London South Bank University was signed to promote collaborative activities in Education and Sustainable Development.

The SOE also collaborated with the Johns Hopkins University Centre for Talented Youth to establish the UWI as a host site for its summer programme.

The five year Collaborative Agreement between the SOE and the University of Reading brought several gains during the period under review. Between September and December 2010, Camella Buddo, Assistant Lecturer in Mathematics, benefitted from an extended visit to Reading and has now submitted her PhD thesis for examination. In

February 2011, Dr. Geoff Tennant and Ms. Deb Heighes, two academics from Reading in the field of Math and Science, respectively, conducted workshops at the Mona Campus for over 150 Mathematics and Science teachers. Workshops were also held at Shortwood for Teachers Colleges who partner with the SOE.

The SOE, committed to the Mainstreaming of Environment and Sustainability in Caribbean Universities (MESCA), in collaboration with UNESCO, hosted a regional capacity building, monitoring and evaluation workshop between October 26-28, 2010.

Awards/Honours

Professor Zellynne Jennings-Craig was elected to membership of the Council of the United Nations University, Japan.

Dr. John Ayotunde Bewaji was promoted to Professor in May 2011.

Dr. Moses Peart was awarded the Prime Minister's Medal for Meritorious Service to Education.

Professor Patrick Bryan was awarded the Commander of Distinction (CD) for his services to Academia.

CARIBBEAN INSTITUTE OF MEDIA AND COMMUNICATION (CARIMAC)

Canute James, BA, PhD UWI – Director

WORK OF THE DEPARTMENT

CARIMAC’s work and achievements for the Academic Year 2010/2011 continued to be related to efforts to meet the University’s mandate to “reposition” itself. In this regard, the department has worked to produce the type of graduate identified in the University’s strategic plan as the “ideal.”



Central to this effort is the continuation of the reform and updating of the department’s curricula to produce graduates who are immediately relevant to media and communication services, but who are also the beneficiaries of a “university” education that takes account of critical and analytical thinking and problem-solving skills.

The programmatic changes being undertaken by the Institute support the University’s Strategic Plan to undergo “fundamental qualitative and quantitative change, transforming itself into a truly 21st century higher education academy with a global reputation for excellence.”

Central to the Department’s work over the past year in meeting these objectives was the progressive introduction of new undergraduate programmes, and the progressive phasing out the traditional offering. The department has been offering one programme – a BA in Media and Communication Studies - based on specialisations in six areas: Public Relations, Social Marketing, MultiMedia, Radio, Television and Print.

While there is continuing convergence in media and communication services, this programme has been producing graduates with discrete skills and limited marketability for a professional environment that demands multi-skilled practitioners.

The type of graduate envisioned from the new programmes will also be able to exploit opportunities for portable skills that are being offered through increasing globalisation, and who need to be competitive to take advantage of these opportunities. The emphasis is on the production of graduates who are adaptable to a rapidly changing media and communication environment, and who have the skills to be immediately competent in this environment, after having completed programme of study in media and communication as both academic and professional disciplines.

Consequently, the Department made progress in the overhauling of its undergraduate curricula with the current programme being replaced by offerings that will more specifically meet the current demands of media and communication.

The **BA in Digital Media Production** was offered for the first time at the Mona Campus in the year under review. This programme was earlier offered at the Western Jamaica Campus.

The **BA in Journalism** was offered for the first time at the Mona Campus in the academic year under review.

The drafting of the **BA in Integrated Marketing Communication** was completed in the year.

As part of the restructuring of its curricula, the Department has offered some courses for review. However, it concentrated on the delivery of new programmes rather than discrete courses, as this will be more effective in meeting the targets for reforming the curricula.

The Department continued to contribute to the delivery of programmes at the Western Jamaica Campus. The first cohort of the Public Relations specialisation completed its programme in the year under review. A second cohort began the Digital Media Production programme.

The Department implemented a memorandum of Understanding with the Media Association Jamaica for efficient delivery of student internships. The internships are intended to expose students to the working world of media and communication, and to introduce them to the application of critical thinking and content creation skills to the practice of media and communication disciplines.

Students were interned in the past academic year with regional media and communication houses in Barbados, Grenada, Jamaica, St Vincent and the Grenadines, Trinidad and Tobago, the United States and the United Kingdom.

The Department continued discussions with the providers of media and communications services across the Caribbean both to inform about the reformed undergraduate curricula and also to determine how best the demands for relevant and competent media and communication skills could be provided by through teaching and training.

The Institute's Graduate Programmes Unit continued to revise the delivery of its programmes to enhance the research capabilities of students. This was part of a wider effort to strengthen both the academic and organisational structures in the Unit, enhancing the quality of its programmes and providing a basis for offering new programmes when appropriate.

PAPERS PRESENTED

- Ellington, Fae. "Culture: Is the Caribbean losing or preserving?" CARIMAC/UNESCO Workshop for Caribbean Journalists, Ocho Rios, Jamaica. December 9, 2010.
- Ellington, Fae. "The Media: An Effective Tool in Promoting Road Safety." National Road Safety Council of Jamaica symposium on Making Jamaican Roads Safe: Commitment to a Decade of Action 2011-2020. Kingston, Jamaica. May 5, 2011.

- Ellington, Fae. “Media big on profit: Promoting choice without responsibility.” The University Diabetes Outreach Programme (UDOP) 17th Annual International Conference. Kingston, Jamaica, March 25, 2011.
- James, Canute. “Skills Requirements for 21st Century Media.” Annual UNESCO/CBU Caribbean Media and Communication Conference. Kingstown, St. Vincent and the Grenadines. May 3 - 4, 2011.
- James, Canute. “The Craft of Agricultural Journalism.” CTA/CARDI/IICA/ACM Workshop on Agricultural Journalism in the Caribbean. Port of Spain, Trinidad and Tobago. April 12-14, 2011.
- James, Canute. “Disintegrated Media in the Single Caribbean Space.” UWI/Commonwealth Secretariat Conference “The Caribbean Community and the Commonwealth: Collective Responsibility in the 21st Century.” Kingston, Jamaica. February 18, 2011.
- James, Canute. “Covering UNESCO’s Mandate: Reporting Education, Science and Culture in the Caribbean.” CARIMAC/UNESCO Workshop for Caribbean Journalists, Ocho Rios, Jamaica. December 7, 2010.

INCOME GENERATION

“Expanding the Model of the Sexual Safety Initiative Program of the UWI, Mona” (specifically a Knowledge, Attitude and Practice Baseline and Endline Survey and Communication Support Plan). Project led by Dr. Blossom Anglin-Brown/UWI Health Centre; Funded by Ford Foundation. Duration of project: December 2010 to July 2013. Total funds earned by CARIMAC for Communication Component: was J\$3.5million. This was done in collaboration with CARIMAC’s marketing

officer Olivia Bravo and graduate research assistants Penny Bowen and Steffon Campbell.

PUBLIC SERVICE

Corinne Barnes, Lecturer

- Regional Coordinator, Global Media Monitoring Project
- Member, Panos Caribbean Advisory Council
- Member, Board of Women’s Media Watch

Mel Blake, Senior Engineer

- Member, National Steering Committee for Digital TV Switchover, Ministry of Information and Telecommunications
- Member, Board of Directors, Aeronautical Telecommunications, Ministry of Public Utilities and Transport
- Member, Board of Directors, KOOL FM

Fae Ellington, Lecturer

- Trainer on Communication Skills for Media, Business and Interpersonal Purposes, Divisional Management Training for the Command Programme, Jamaica Constabulary Staff College.
- Member, Website Development Committee, Jamaica Defence Force
- Member, Board of Directors, Jamaica Intellectual Property Office Board
- Member of the Board of Directors, St. Hugh’s High School
- Patron, Clarendon 4H Movement
- Member, Board of Independent Actors Movement (I AM) Theatre Company

Canute James, Director

- Member, Project Steering Committee, CSME Public Education Products
- Member, International Advisory Board, the Radio Journal

- Member, Executive Committee, Association of Caribbean Media Workers

Patrick Prendergast, Lecturer

- Chairman, Board of Management, Essex Hall All Age School
- Lieutenant Governor, Zone 4, Optimist International Caribbean District.

Livingston White, Lecturer

- Member, Jamaican Ministry of Education Strategy Development Group
- Member, Jamaican Ministry of Health Monitoring and Evaluation Research Group (MERG) for HIV and AIDS.
- Member, American Red Cross' Caribbean HIV and AIDS Project Research Team.

DEPARTMENT OF HISTORY & ARCHAEOLOGY

Kathleen E. A. Monteith, BA, MPhil, UWI, PhD, Reading, UK
– Head of Department

WORK OF THE DEPARTMENT

Teaching & Curricula Developments

During the academic year 2010/11, the Department began formalising the offer of minors in disciplines within and outside the Faculty. This included the History Major with Minors in Law, and in International Relations, and the offer of International Relations Major with Minor in History. The Department also initiated the design of the History Major with a Minor in Journalism with the Institute for Media and Communication, and arranged for



Heritage Studies courses offered in the Department to be taken by all students in the Tourism Management programme offered in the Department of Management Studies. In 2011/12 that Department is to “*strongly advise*” all their students registered in that programme to take Level II and Level III Heritage Studies courses offered by the Department, with the requirement becoming mandatory in 2012/13.

A number of History courses currently on offer were reviewed and revised. These include Caribbean History courses, HIST3026 (H30Z): Education and Development in the Commonwealth Caribbean since the 1930s, which was approved by AQAC, and is to be offered in 2011/12; and HIST3023 (H30W): A History of Enterprise & Entrepreneurship in the West Indies since the 18th century. A review of the European History courses determined that these offerings required revision to include more coverage of the 20th century. Accordingly, new courses in European

History include HIST2405 (H24E): War and Conflict in Europe, 1870-1945, and HIST2406 (H24F): Politics and Society in Europe since 1945, both to replace existing Level II European History courses in 2012/13. A Level III European History course covering the 2nd half of the 20th century is currently being designed to be offered in 2012/13. The Level I European History course HIST1408 (H14H) is being revised to end later in the 18th century so that there is no disconnect with the Level II course HIST2403 (H24C) which begins with the French Revolution. A review of HIST2503 (H25C), HIST3601 (H36A), HIST3008 (H30H), HIST3013 (H30M) also took place at the Department's Retreat held on June 9, 2011 to ensure compliance with approval made by AQAC. Particular attention was paid to course work requirement and content material to ensure that there was no disconnect with the course description. A similar review was also done for MA Heritage Studies courses, HIST6701 (H67A); HIST6704 (H67D); HIST6710 (H67J). Reviews are to be undertaken for the MA History courses, H63A; H67E; H67L; H67C within the context of restructuring both the MA History and Heritage Studies programmes in 2011/12.

The Department is to begin offering Heritage Studies as a Concentration in 2011/12, though the BA in History & Heritage Studies would still be offered.

The standardisation of grading within the Department was established with the adoption of a Grade Descriptor Scheme.

The Historical Society

The History Society organised by students under the able guidance of the Department's Liaison officer to the Society, Jenny Jemmott, continued to be very active during the year. The highlight of the Society's activities was the hosting of a well-attended panel discussion in April which centred around a power-point presentation, 'Preserving Our Past: The Historical Sites of Lucea: Are they being Protected or Abandoned?' delivered by Oshane Robinson, a First Year History and Archaeology Major student. The panellists included, Ivor Conolley, President of the Jamaica

Archaeological Society, Veront Satchell, Patrick Bryan, and Dorrick Gray of the Jamaica National Heritage Trust.

Archaeology

The Department continues to collaborate with the International Centre for Jefferson Studies/Digital Archaeological Archive of Comparative Slavery (DAACS) at Monticello, Virginia. DAACS participated in the excavation of the site of the first Mona Great House with the Department's Field School in which students registered in the course HIST2801: Research Methods and Techniques in Archaeology are required to participate.

Social History Project

The Social History Project (SHP) continues to collect and catalogue all the oral history projects completed by students in the Heritage Studies Programme, as well as the research papers in the MA History and Heritage Studies programmes and other MA students' A and B+ course work research papers and theses. The office is also the storehouse of a growing collection of oral interviews of Jamaica's businessmen, which is part of a research project into the Jamaica's Business History Since 1962, begun in January 2010, and funded by the Office of the Principal, Special Projects.

27th Annual Elsa Goveia Memorial Lecture

Dr. Karl Watson, retired Senior Lecturer in History, University of the West Indies, Cave Hill campus, delivered the Department's annual Elsa Goveia Memorial Lecture on 22 March 2011. The Lecture, "The Modernized Caribbean Landscape and Its Implications for Heritage and Tourism: The Barbados Experience" is to be published by the Department.

Distinguished Visitors to the Department

Professor Winston James, Visiting Professor of History, the University of California, Irvine, delivered a seminar presentation titled "John Brown Russwurm. Jamaican Pan-Africanist Pioneer: The Early Years", at the

Department's weekly staff/graduate seminar on 25 March 2011. Dr. Gad Heuman, retired Professor of History, and former Director of the Centre for Caribbean Studies, the University of Warwick, UK, gave a lecture titled "Slavery, Apprenticeship and Emancipation in the Caribbean" on Wednesday, 23 March 2011.

Public Outreach

Members of staff were engaged in a number of public outreach activities, which include the provision of consultancy services to international organisations, participation in radio and television discussion programmes, organising conferences and symposia, and delivering public lectures at various venues, locally and overseas. Most notable was Aleric Josephs who represented the University of the West Indies, Mona Campus at the St. Kitts-Nevis National History and Heritage Week, 13-18 February 2011. Her activities included delivering a well-received public lecture, "*Social Control, Gender and the History of Caribbean Education*", conducting much appreciated History workshops with teachers and students of History in St Kitts-Nevis, participating in a televised panel discussion, "Have We Achieved our Education Goals?" and a televised interview, both of which have received repeated airplay.

The Department co-hosted with the Department of Government and Political Science, a public seminar, *Windows on the World: The Uprisings in the Middle East, Their International Repercussions & Implications for the Caribbean*, at the University of the West Indies, Mona Campus, Kingston, 23 February 2011, and hosted the *Archaeological Awareness Programme Educational Seminar/Workshop*, and the Archaeological Society of Jamaica, Neville Hall Lecture Theatre, FHE, UWI, Mona, December 3-5, 2010.

The annual CAPE History Lecture series was held on 9 and 16 April 2011. Approximately 200 students and their teachers from High schools within and outside the corporate area were in attendance. The lectures focused on themes from Units One and Two of the CAPE History syllabus. Carl Campbell and Patrick Bryan, and Veront Satchell, Jenny Jemmot, Wigmoore Francis, Jonathan Dalby, and Dave Gosse delivered lectures.

CONFERENCE / SEMINARS

Sultana Afroz

- “The Middle East: The Cradle of Civilization, Empires, Colonialism, and Cliental States of the West”, Public Panel Discussion entitled ‘Windows on the World: The Uprisings in the Middle East, Their International Repercussions & Implications for the Caribbean’, UWI, Mona Campus, Kingston, 23 February 2011.
- “The Middle East: A Region of Strategic Importance, Rich Natural Resources, Birthplace of the Abrahamic Religions, Yet a Region of Absurdities and Anomalies”, The Mico University College, Kingston, 21 March 2011.
- Poster exhibition on “The Islamic Heritage of the Maroons and the Enslaved Africans in Jamaica”, Liberty Hall, Resource, Manchester, February 20, 2011.

Jonathan Dalby

- “Homicide in Jamaica: Rates, Patterns, Motives in the late Eighteenth and Nineteenth Century”, Department of History and Archaeology, University of the West Indies, Mona, Staff/Graduate Seminar, 3 December 2010.
- ““A Hell of a Murderation”. Patterns of Homicide in Nineteenth-Century Jamaica’, 43rd Annual Association of Caribbean Historians Conference, San Juan, Puerto Rico, 18 May 2011.

Wigmoore Francis

- “Tracing the Tributaries: Prior Groundings of Rastafari.” Rastafari Studies Conference. University of the West Indies, Mona, August 2010.

Dave Gosse

- “Race and the Abolition of Slavery in Early Nineteenth Century Jamaica”, the Society for Caribbean Studies, U.K, Liverpool, London, June 2011.
- “Africa versus Europe and the Forging of an Afro-Jamaican Identity”, Sephis Conference on Histories and National Identities in the Global South, University of Malawi, East Africa, July 13-15, 2011.
- “Race, Politics and the Decline of the West Indian Planter Class: A Jamaican Case Study”, Department of History and Archaeology, University of the West Indies, Mona, at the Staff/Graduate Seminar, February 2011.

Khitanya Petgrave

- “The Concept of Agrarian Self-Help in Jamaica, 1940-1945: British and Jamaican advocates”, Development and Empire Conference, University of York, UK, July 1-2, 2011.

James Robertson

- “Records and Archives Management, Pillars on which the Nation’s Memory is Built: The Historical Researcher’s Perspective,” 1st Symposium Records and Archives Management, Library and Information Association of Jamaica, Kingston, Planning Institute of Jamaica, April 20, 2011.
- “Spanish Town in the 1970s: The Georgian Society’s Architectural Survey,” 9th Symposium of the Archaeological Society of Jamaica, Kingston, April 14, 2011.
- “The Practice of Scientific Research in Eighteenth-Century Jamaica: Local Cooperation and Contacts in Anthony Robinson’s Research” Workshop, Medicine, Science and Empire in the Eighteenth Century, University of Kent, Canterbury, April 9, 2011.
- “Re-Writing *Dr. No*, Re-imagining Jamaica’s Colonial Past in 1962”, Department of History and Archaeology, University of

the West Indies, Mona, Staff/Graduate Seminar, October 22, 2010.

- “Competition between Jamaica’s Eighteenth Century Towns: The Hopes of ‘Second Cities’”, Early American Workshop, DePaul University, Chicago, October 1, 2010.

Veront Satchell

- “Labour Productivity and Technology: Jamaica 1760-1830” Conference, ‘Rethinking the Fall of the British Caribbean Planter Class’, University of Southampton, UK, Chawton House Library, September 21-23, 2010.
- “Palimpsest a Useful Concept in the Study of Landscape History” Department of History and Archaeology, University of the West Indies, Mona, Staff/ Graduate Seminar, October 15, 2010.

Matthew Smith

- “The Price of Exile: Jamaica and the Salomon Presidency in Nineteenth Century Haiti”, 43rd Annual Association of Caribbean Historians Conference, San Juan, Puerto Rico, May 16, 2011.
- “On the Fault Lines of History: Haiti, the Caribbean, and the Earthquake of 2010”, Haiti 2011, An International Symposium, Winthrop-King Institute for Contemporary French and Francophone Studies, Florida State University, Tallahassee, Florida, February 17, 2011.
- “Laid in Ruins: The 1842 Earthquake in Haiti and its Aftermath”, Staff/Graduate Student Seminar Series, Department of History and Archaeology, University of the West Indies, Mona, December 10, 2010.
- “One Common Ruin: The 1842 Earthquake in Haiti and its Aftermath”, Haitian Studies Association, Brown University, Providence, R.I., November 11-13, 2010.

Swithin Wilmot

- “Badges of Freedom: Freedmen in post slavery politics in Jamaica and in the American South,” International Workshop on Atlantic Studies in History, Culture and Society, Leibniz University of Hannover, Germany, January 10, 2011.

PUBLICATIONS

Books & Monographs

Kathleen E. A. Monteith

- * (Ed.) The Jamaican Historical Review (Law and Order in 19th Century Jamaica and Trinidad and Tobago), Volume 25, 2011. Kingston: The Jamaica Historical Society, 2011, 114pp.
- * (Ed. with B.W. Higman) West Indian Business History. Enterprise and Entrepreneurship. Kingston: The University of the West Indies Press, 2010, 236pp.

Veront Satchell

- * Sugar, Slavery and Technological Change, Jamaica 1760-1830. Saarbrücken: VDM Verlag, 2010, 284pp.

Journal Articles & Book Chapters

Jonathan Dalby

- * “‘A Luxurious Resting Place for the Idle and Vicious’? The Rise and Fall of Penal Reform in Jamaica in the 1840s.” *Small Axe*, 34, 2011, pp.147-163.
- * “‘Mawkish Sentimentalism’? Prisons and Penal Reform in Post-Emancipation Jamaica.” *Jamaican Historical Review*, XXV, 2011, pp.34-65.

Daive Dunkley

- * (Book Review). J. Matthew Feheny, Catholic Education in Trinidad and Tobago: The Twentieth Century. Cork, Ireland: Iverus Publications 2010, *Journal of Caribbean History* 45, 1 (2011), pp. 128-131.
- * (Book Review). Jose Carlos Barbosa. Trans. by Fraser G. MacHaffie and Richard K. Danford, Slavery and Protestant Missions in Imperial Brazil, Lanham, MA: University Press of America, 2008, *Church History and Religious Culture*, 90: 4 (2010), pp. 723-725.

Dave Gosse

- * “The Performance of Students in a Foundation Course in Caribbean Civilization” *The UWI Quality Education Forum*. Mona: Office for the Board for Undergraduate Studies, the University of the West Indies, Mona, January 2011, No. 17, pp.86-100.
- * (Book Review). “Maria Nugent: Lady Nugent’s Journal of her Residence in Jamaica, 1801-1805” *Journal of Caribbean History*, Vol. 44, No. 2, 2011, pp. 262-264.

Jenny Jemmott

- * Jenny Jemmott “Murder Most Foul?: An Examination of Some Homicide Cases in Post-Slavery Jamaica,” *The Jamaican Historical Review* XXV, (2011) pp. 66-85.

Kathleen E. A. Monteith

- * With B. W. Higman, “West Indian Business History. Scale and Scope”, (eds.) B.W. Higman and Kathleen E. A. Monteith. West Indian Business History. Enterprise and Entrepreneurship. Kingston: The University of the West Indies Press, 2010, pp. 1-77.

- * “Financing Agriculture and Trade. Barclays Bank (DCO) in the West Indies, 1926-1945”, (eds.) B.W. Higman and Kathleen E. A. Monteith. West Indian Business History. Enterprise and Entrepreneurship Kingston: The University of the West Indies Press, 2010, pp. 125-150.

Matthew Smith

- * “H.G. and Haiti: An Analysis of Herbert G. DeLisser’s Land of Revolutions”, *Journal of Caribbean History*, 44:2 (2010): 1-18.
- * “Port-au-Prince, I Love You”, (ed.) Martin Munro, Haiti Rising: Essays on Haitian History, Culture, and the Earthquake of 2010. Liverpool: University of Liverpool Press, 2010, pp.186-194.
- * “From the Port of Princes to the City of Kings: Jamaica and the Roots of the Haitian Diaspora”, (ed.) Regine O. Jackson. Geographies of the Haitian Diaspora London: Routledge, 2011, pp.17-33.

Waibinte Wariboko

- * (Book Review). Audra A. Diptee, From Africa to Jamaica: The Making of an Atlantic Slave Society, 1775-1807. Gainesville, Tallahassee: University Press of Florida, 2010, *The Jamaican Historical Review* Vol. XXV 2011, pp. 94-98.

Swithin Wilmot

- * “Black Politics in Free Jamaica, 1838-1865”, (eds.), Ulrike Schmieder, Katja Füllberg-Stolberg. The End of Slavery in Africa and the Americas: A Comparative Approach., Michael Zeuske. Berlin: LIT-Verlag, 2011, pp.103-115.
- * “Females of Abandoned Character”? Women and Protests in Jamaica, 1838-1865”, (ed.), Verene A. Shepherd. Engendering Caribbean History: Cross-Cultural Perspectives. Kingston: Ian Randle Publishers, 2011, pp. 449-459.

Non- Refereed Publications

James Robertson

- * “Spanish Town, Jamaica: A Place in Time” *Georgian Jamaica* (Spring, 2010), pp.6-8.
- * ‘Spanish Town Square’ (ed.), Louis P. Nelson and Emilie Johnson, *Falmouth, Jamaica, Field Guide: Vernacular Architecture Forum 2011*. Falmouth: Vernacular Architecture Forum, 2011, pp.186-191.
- * “Spanish Town Cathedral” (ed.), Louis P. Nelson and Emilie Johnson, *Falmouth, Jamaica, Field Guide: Vernacular Architecture Forum 2011*. Falmouth: Vernacular Architecture Forum, 2011, pp.192-195.

PUBLIC SERVICE

Roy Augier

- Chairman, The International Scientific Committee for the Drafting of the UNESCO General History of the Caribbean;
- Vice Chairman, Teachers Services Commission (Jamaica);
- Member, Schools Examination Committee, Caribbean Examination Council;
- Member, Council, Caribbean Examination Council;
- Member, Council, Institute of Jamaica;
- Member, Board of Governors, St. Michael’s Theological College.

Daive Dunkley

- Member, Board of Directors, The Edna Manley College of Visual and Performing Arts;
- Member, Academic Board, The Edna Manley College of the Visual and Performing Arts.

Dave Gosse

- Chairman, Board of Management, the Ardenne High School

Veront Satchell

- Member, Board of Directors, The Mico University College;
- Member: Board of Managers, The Queen’s School;
- Review Editor, *Journal of Caribbean History*.

Aleric Josephs

- Chief Examiner, CAPE (History) for Caribbean Examination Council.

Kathleen E. A. Monteith

- Member, Editorial Board, *Journal of Caribbean History*;
- Member, National Library of Jamaica’s Collections Development/Information Systems and Services and Management Committee;
- Member, Executive Committee, Jamaica Historical Society;
- Editor: *Jamaican Historical Review*.
- Member, Executive Committee, Association of Caribbean Historians, 2010/11;
- Convenor, Scholarship/Grants Committee, Anglican Community UWI, Mona Chapel.

Khitanya Petgrave

- Consultant, Inter-American Development Bank’s Project on the transformation of Jamaica’s education system;
- Convenor and Facilitator, Jamaica National Commission for UNESCO Workshop on Education for Sustainable Development (ESD):

James Robertson

- First Vice President, Jamaican Historical Society;
- Vice President, Archaeological Society of Jamaica;

- Co-Chair Organizing Committee, Archaeological Society of Jamaica's 9th Symposium;
- Member, Board of Directors, Museums' Division, Institute of Jamaica;
- Chair, Exhibitions & Education sub-committee, Museums = Division, Institute of Jamaica;
- Member, Board of Management Exhibition sub-committee, Natural History Museum of Jamaica;
- Member, Editorial Board, *Journal of Early American History*.

Verene Shepherd

- Member, Steering Committee, South-South Exchange Programme for the History of Development;
- Member, Board of Directors, Association for the Study of the Worldwide African Diaspora (ASWAD);
- Member, The United Nation's Working Group of Experts on People of African Descent;
- Member, Advisory Board of the Registrar General's Department;
- Member, Editorial Committee/Advisory Boards -: *Arts Journal; Jamaica Journal; Slavery and Abolition; Small Axe; Social and Economic Studies; Atlantic Studies; Journal of Caribbean History; International Journal of African Renaissance Studies*.

Matthew Smith

- Chair, Special Task Force on Haitian Higher Education, UNICA;
- Director, the University of the West Indies, Mona – Haiti Initiative;
- Chair, Haitian Studies Association, 2011 Conference;
- President, Haitian Studies Association;
- Member, Editorial Board, *Social and Economic Studies*, UWI, Mona.

Waibinte Wariboko

- Member, Editorial Board-: *Notes and Records: An International Journal of African and African Diaspora Studies*; *Onyoma: International Journal of Niger Delta Studies*; *Mbari: The International Journal of Igbo Studies*; *The Southern Quarterly: A Journal of the Arts in the South*.

Swithin Wilmot

- Member: Board of Trustees, The Archbishop Samuel Carter Educational Fund;
- Member: Editorial Board, *Journal of Caribbean History*;
- Editor: *Journal of Caribbean History*.

INFORMATION ON STUDENTS

Undergraduates:

Registered

BA:	342
History Majors:	235
Archaeology Majors:	42
Archaeology Special:	2
Heritage Studies:	6
History and Education:	57

Graduated

BA:	69
History Majors:	56

Postgraduates:

Registered

PhD:	4
MPhil:	13
MA History:	14
MA Heritage Studies:	26

Graduated

MA History:	2
MA Heritage Studies:	3

PRIZES AWARDED

The Gladwyn Turbutt prizes in-:

European History: **KOATHES, Stephanie Gabrielle**

Archaeology: **MINOTT, Ka-Sheena Zaitor**

Atlantic History: **DAVIDSON, Monique Oliver**

Historical Methodology: **MALCOLM, Norman Andre**

The ILM-AL-AHASAN prizes in-:

The Asian World Prior to 1600: **COPSY, Monique Carissa-Kaye**

History of Modern China: **FERGUSON, Shenhaye Cavelle**

Modern Japan: **WILLIAMS, Robert Kevin**

History of the Middle East: **BONAPARTE-ELIEN, Trevlyn**

The Neville Hall Prize (History of the Americas):

GRAY, Fernando Anthony

The Walter Rodney Prize (History of Africa):

GREEN, Daneille Stacy-Ann

The Elsa Goveia Prize (West Indian History):

MCDERMOTT, Martina

DEPARTMENT OF LANGUAGE, LINGUISTICS AND PHILOSOPHY

Kathryn Shields Brodber, BA, PhD, Dip. Ed. *UWI*
- Head of Department

WORK OF THE DEPARTMENT

For the 2010-2011 academic year, the department recorded several successes, in relation to staff research and promotions; postgraduate students' completion of their degrees, with continued cross-campus and international alliances in their supervision; and outreach of staff members to the wider community.



Promotions, Appointments and Achievements

Staff Members

Dr. John Ayotunde Bewaji, Guggenheim Research Fellow in Philosophy for 2010, was promoted to the position of Professor of Philosophy in May 2011. He was also appointed Jay Newman Visiting Professor of Philosophy of Culture, 2011-2012 at Brooklyn College, CUNY, New York, to be served during his sabbatical year. Dr. Michèle Stewart (Linguistics) was appointed Associate Dean, Marketing and Outreach for the Faculty of Humanities and Education. Dr. Lawrence Ojo Bamikole (Philosophy) returned to the department in December 2010, as a Senior Lecturer on a 3-year contract.

Postgraduate Students

Postgraduate Degrees and Defenses were significant milestones through the year. The PhD with High Commendation was awarded to Mrs. Celia

Brown-Blake (Linguistics), supervised by Professor Devonish, for a thesis entitled “The Potential Impact of Language Rights on Language Policy in Jamaica”.

Successful PhD Defenses were conducted by three additional candidates.

Mrs. Keren Niles-Cumberbatch (Linguistics): co-supervised by Professor Ian Robertson, (St. Augustine) and Professor Devonish (Mona), defended a thesis entitled “A Linguistic Description of the Language of the Urban Deaf in Jamaica”.

Mr. Martin Schade (Philosophy): co-supervised by Professor Bewaji and Professor Welshon (Colorado, USA), defended a thesis entitled “Dialectical Incarnation: A Harmony of One Love, One Heart in the Totality of Reality”.

Ms Nicole Scott (Linguistics): supervised by Professor Devonish, defended a thesis entitled “A Linguistic Description of Definiteness in Trinidad French-Lexicon Creole”.

Two candidates in Linguistics successfully completed MPhil degrees. Ms Jodianne Scott’s thesis, “The syntax and semantics of null subjects in Papiamentu”, was supervised by Professor Kouwenberg. Ms Tasheney Francis’ thesis, “Language Choice and Use in Political Advertisements of the 2007 General Election Campaign in Jamaica”, was supervised by Dr. Shields Brodber.

MA (Philosophy) Degrees were awarded to Mrs. Sherine Lawrence-Brown and Ms Janice Smith.

Teaching and Learning: Undergraduate

Producing Effective Communicators: a Mandate of the UWI 2007-2012 Strategic Plan

In furtherance of the mandate to produce effective communicators, Dr. Ingrid McLaren intensified work on the Communication Across the Curriculum (CAC) pilot project, launched in January 2010, in the Faculty of Pure and Applied Sciences (FPAS). Having collaborated with the

relevant lecturers on identifying level 2 and 3 Life Sciences and Chemistry courses which could be reworked as Writing Intensive (WI) and Speech Intensive (SI), Dr. McLaren worked on a model for infusing writing and speech in these courses. This is a first step in pursuing formal designation and endorsement for such courses, as well as the extension of these designations not only within the Faculty of Pure and Applied Sciences, but eventually to courses throughout the campus.

The focus on producing graduates capable of oral communication in English, and with communication skills for the world of work, led to the English Language Section expanding its intake in LANG 3001: Public Speaking and LANG3101: Business Communication. The Section also designed a course in Technical Writing, which is to be approved by the Faculty Quality Assurance Committee.

An ESL support course for the students in The Bordeaux-UAG/UWI (Mona) MSc programme in Government, was arranged through Mrs. Dyche, and launched to accommodate 10 Haitian students. It proved very successful, and will be offered to another cohort in August 2011.

The Western Campus and Tertiary Level Institutions

The DLL&P continued to offer and coordinate, through Dr. Carmeneta Jones, the delivery of courses in these institutions.

Cross-campus delivery of courses was again undertaken in Linguistics, with Mrs. Cumberbatch delivering real-time lectures via videoconferencing, in the two Sign Language courses – LING2820 and LING3819 - to St. Augustine. In spite of the IT challenges experienced, this is an initiative to be pursued.

Student Assessments of Teaching

The overall teaching achievements of the department, as assessed by students are as follows:

Assessment	Semester I	Semester II	Summer 2010/11
Lecturers' Mean Score	4.1/5	4.2/5	4.4/5
Mean Score for Courses	3.6/5	3.8/5	4.1/5

Postgraduate Matters

Cross-campus and International Postgraduate Co-supervision

In recognition of the UWI being a single university, cross-campus alliances for supervision continued for Kathy-Ann Drayton (MPhil/PhD Linguistics, St. Augustine) supervised by Dr. Otelemate Harry (Mona), and Kamau Chionesu (PhD Philosophy) co-supervised by Professor Bewaji and Professor Sunday Iyare (Economics, Cave Hill).

Ms Roxanne Burton, co-supervised by Professor Lewis Gordon (Temple, USA) and Professor Bewaji; Mr. Harvey Willis, co-supervised by Professor Albert Mosely (Smith's College, USA) and Professor Bewaji; Ms Marisa Forbes, co-supervised by Professor Olufemi Taiwo (Seattle) and Dr. Bamikole continued to be beneficiaries of international expertise.

Exchange Programme with the Philipps-Universität Marburg, Germany.

In semester 1 of the academic year, the JLU took part in an exchange programme with the Philipps-Universität Marburg. A German student, Tracy Sutphin, came to the UWI and completed two courses in the M.A in the English Language Programme (LING6201-Comparative Caribbean English-Lexicon Creole and LING6302 – The Sociolinguistics of West Indies Language and Society). Andre Sherriah, a PhD Linguistics student and Research Assistant in the JLU, visited the University in Germany and

completed eight (8) courses in the area of Linguistics and Web Technology.

Academic Development: Administrative Staff

Three members of the administrative staff continued their academic development. Making progress were Ms Shayzan McBeam, Senior Administrative Assistant II, on the MSc in Human Resource Development; Ms Karen Clarke, Senior Secretary, on the MSc in Sociology – Social Policy and Administration; and Mrs. Yvette Mundy-Whyte, Secretary 3, on the MSc in Public Sector Management.

Customer Service Satisfaction was the focus of our new Customer Service Representative, Ms Chantelle McLeod, whose work resulted in the department being assessed with a mean of 4.0 out of 5 for semester 1 and 3.6 for semester 2.

Department Conferences, Workshops and Special Days

The Jamaican Language Unit / International Centre for Caribbean Language Research, under the direction of Professor Devonish, hosted a conference on Caribbean Rights and Language Policy in January 2011, at the Terra Nova Hotel. Linguists, Government and Ministerial representatives attending from Aruba, the Netherland Antilles, St. Lucia, Barbados, Jamaica and Trinidad, among others, approved the draft Language Charter on Language Rights and Policy. Follow-up achievements include production and distribution across the region of an executive summary and complete charter on Language Rights; upgrading of the Conference website and the production of a first draft of the constitution to guide the operations of the working group.

Dr. Harry coordinated the annual department Research Day in May 2011. Fifteen postgraduate students across the department presented papers, and were responsive to the feedback provided by those in attendance. The Philosophy Section celebrated UNESCO Philosophy Day in November 2010, with good public participation in the activities. A Patwa Day Symposium held in April 2011, and coordinated by Ms Kadian Walters,

(PhD student, Linguistics) and students in LING2801, was also well received.

Testing the English Language Proficiency of Applicants, through the ELPTU

During the year, 6 sittings of the ELPT were held in September, December 2010, February, March, April and June 2011. The pass rate of the total of 1602 scripts marked was 36%. A special sitting for students given offers who had either not sat or had sat and failed the test was held on July 6, 2011. A total of 207 students sat the test with an additional 28 sitting it between July 9 -10, 2011. The pass rate was 47%. Students failing this as well as others who had failed previous tests were invited to attend a special intensive UC010 intervention programme in summer. The pass rate at the end of the Intervention programme was 54% (86/158).

PAPERS PRESENTED

- Adone, Dany; Bauer, Anastasia; **Cumberbatch, Keren**; Schwager, Waldemar. “Looking at the lexicon of Yolngu Sign Language (Northern Australia), Country Sign (Jamaica), and Kata Kolok (Bali, Indonesia)”. Theoretical Issues in Sign Language Research Conference (TISLR 10). October 2010.
- **Barrett, Terri-Ann**. “The effect of Jamaican Creole on the learning of Standard English by Grade 1 Students in Jamaica.” 18th Biennial Conference, Society for Caribbean Linguistics, August 9-13, 2010, Barbados.
- **Bewaji, J. A. I.** “Culture, Globalization, Property Rights, Knowledge, Research, Ethics and Risk – a developmental imperative”, International Conference on Culture and the Challenges of Development in Nigeria. September 1-4, 2010.
- **Bewaji, J. A. I.** “Arts, Memory and Identity”, CBAAC International Conference on Global Africans, Pan-Africanism, Decolonization and Integration of Africa – Past, Present and

Future, Abuja International Conference Centre, September 21-24, 2010.

- **Bewaji, J. A. I.** “The Rule of Law, Leadership and Development”, UWICHIPS Symposium on Ethics and Applied Ethics, Cave Hill Campus, UWI, Barbados, November 17-19, 2010.
- **Bewaji, J. A. I.** “Epistemicide, Epistemic Deficit, Sterile Leadership and the Vicious Cycle of African Underdevelopment”, Osigwe Anyiam Osigwe International Conference on Philosophy of Development, University of Ibadan, Ibadan, Nigeria, November 20-25, 2010.
- **Bewaji, J. A. I.** “Artistic Explorations of Reality – an Africana perspective”, UNESCO Conference on Philosophical Dialogue between Africa and the Americas, Department of Philosophy, Purdue University, April 18-21, 2011.
- **Bewaji, J. A. I.** “The Regime of Mental Magnitude, Intellectual Creativity and Leadership Imagination”, Toyin Falola Annual Conference on Creativity and Cultural Expressions in Africa and the African Diaspora, University of Ibadan in July 4-6, 2011.
- **Budhai-Alvaranga, Emmogene.** “Language use and choice in a Caribbean community: network, context and identity.” Sociolinguistics Symposium, “Negotiating transnational space and multilingual encounters”, Southampton, United Kingdom, September 1-4, 2010.
- **Dawkins, Nickesha.** “Using femininity to insult masculinity: a morpho-semantic analysis of Jamaican dancehall lyrics”, Winter Meeting of Society of Pidgin & Creole Linguistics (SPCL)/Linguistics Society of America (LSA), January 7-8, 2011, Pittsburgh, Pennsylvania (USA).

- **Devonish, Hubert.** “The Bilingual Education Programme”. Northern Caribbean University Literacy Conference, Mandeville. March 29, 2011.
- **Devonish, Hubert and Karen Carpenter.** “Creole and English Bilingual Education: Good for girls but better for boys?” 18th Biennial Conference of the Society for Caribbean Linguistics, August 9-13, 2010, Barbados.
- **Dyche, Caroline.** “Legitimizing the illegitimate: confronting the obstacles to the development of a writing programme at the University of the West Indies, Mona campus”; 2011 Writing Programme Administration Conference, Baton Rouge (Louisiana, USA), July 13-17, 2011.
- **Dyche, Caroline.** “Challenging English language hegemony in the Commonwealth Caribbean: the Rhetoric/Linguistics Divide.” 2010 Watson Conference ‘Working English in Rhetoric and Composition: Global-Local Contexts, Commitments, Consequences’, University of Louisville, Kentucky, USA, October 14-16, 2010.
- **Forbes, Marsha.** “Dual aspectual forms and the stative non-stative distinction.” 18th Biennial Conference of the Society for Caribbean Linguistics, August 9-13, 2010, Barbados.
- **Harry, Otelemate.** “Politics and creation of meaning: A textual analysis of Mrs Simpson-Miller’s budget presentation.” 18th Biennial Conference of the Society for Caribbean Linguistics, August 9-13, 2010, Barbados.
- **Kouwenberg, Silvia.** “Creole Studies in the Caribbean: developments since the Mona Conference of 1968”, 18th Biennial Conference of the Society for Caribbean Linguistics, August 9-13, 2010, Barbados.

- **Long, Peta-Ann.** “Ethical controversies surrounding a free press”, UWI, Cave Hill Philosophy Symposium (UWICHiPS), UWI, Cave Hill Campus, November 17-19, 2010.
- **McCalla, Sandra.** “Universality of Morality - A Myth?”, UWI, Cave Hill Philosophy Symposium (UWICHiPS), UWI, Cave Hill Campus, November 17-19, 2010.
- **McLaren, I.** “Balancing interdisciplinary collaboration and disciplinary hegemony: A matter of control and sustainability”. Thomas R. Watson Conference, University of Louisville, October 14-16, 2010.
- **McLaren, I.** “Toward a Re-thinking of Academic Culture and Literacy: The Power and Promise of Electronic Discourse Practices”. International Conference on Academic Disciplines, Toronto, Canada, May 22-26, 2011.
- **Milson-Whyte, Vivette.** “Pedagogical and Socio-political Implications of Code-Meshing in Classrooms: Some Considerations for a Translingual Orientation to Writing.” 22nd Penn State Conference on Rhetoric and Composition, State College, Pennsylvania. July 10-12, 2011.
- **Milson-Whyte, Vivette.** “Code Meshing and Glissantian Opacité: Establishing Interrelationships Among Students’ Languages.” 62nd annual Convention of the Conference on College Composition and Communication, Atlanta, Georgia, April 6-9, 2011.
- **Milson-Whyte, Vivette, and Carmeneta Jones.** “Metaphors of Writing and Intersections with Jamaican Male Identity.” Writing Research Across Borders II Conference, George Mason University, Virginia, February 2011.
- **Milson-Whyte, Vivette.** “Breaking through English in Jamaica: Language Use in Society, Literacy Teaching in Schools and Writing in Post-Secondary Education.” 2010 Watson Conference

in Rhetoric and Composition, The University of Louisville, Kentucky, October 14-16, 2010.

- **Scott, Nicole.** “The contemporary linguistic situation of Trinidadian French lexicon Creole.” 18th Biennial Conference of the Society for Caribbean Linguistics, August 9-13, 2010, Barbados.
- **Shields-Brodber, Kathryn.** “‘Yu fieva mi uol man pat ...!’ Gender and the discourse of chriesin in Jamaica.” 18th Biennial Conference of the Society for Caribbean Linguistics, August 9-13, 2010, Barbados.
- **Shields Brodber, Kathryn.** “Charting the emergence in the public-formal domain of Jamaican Creole discourse.” 2nd Westminster University Linguistics Conference on Language Contact – Change – Maintenance and Loss, July 22-25, 2011, London, UK.
- **Stewart, Michèle.** “When 3-year old Jamaican children don’t know the word.” 18th Biennial Conference of the Society for Caribbean Linguistics, August 9-13, 2010, Barbados.
- **Stewart, Michèle.** “The speech of 3 year old Jamaican children and its implications for Education.” Caribbean Child Research Conference. October 20-21, 2010, Jamaica Conference Centre, Kingston.

PUBLICATIONS

Books & Monographs

Chapters in Peer-Refereed Books

- * **Bewaji, J. A. I.** “Requiem to Western Education in Africana Societies”, in Tunde Babawale et al. eds. Teaching and Propagating African History and Culture. Lagos, Nigeria: CBAAC, 2010, pp145-176.

- * **Bewaji, J. A. I.** “African Philosophy” in J. N. Amanze et al. (eds.) Biblical Studies, Theology, Religion and Philosophy. Eldoret, Kenya: Zapf Chancery. 2010. Pp. 457-495.
- * **Kouwenberg, Silvia** and Jodianne Scott. “Null subjects in Papiamentu: a reassessment”, in Crossing Shifting Boundaries: Language and Changing Political Status in Aruba, Bonaire, and Curaçao, ed. by N. Faraclas, R. Severing, C. Weijer, and E. Echteld. Willemstad, Curaçao: Fundashon pa Planifikashon di Idioma, 2010, 75-86.
- * **Kouwenberg, Silvia.** “Les créoles néerlandais”, in Dictionnaire des langues, ed. by Emilio Bonvini, Joëlle Busuttill and Alain Peyrauge. Paris: Presses Universitaires de France, 2011, 900-907.
- * **Kouwenberg, Silvia.** “The invisible hand in creole genesis: reanalysis in the formation of Berbice Dutch”. In: Enoch Aboh and Norval Smith (eds.), Complex Processes in New Languages. Amsterdam/ Philadelphia: John Benjamins, 2009. 115-158.
- * **Milson-Whyte, Vivette.** “Dialogism in Gina Valdés’ ‘English con Salsa’: A Poetic Address on Accommodating Linguistic Diversity Through Code-Meshing”, in Code-Meshing as World English: Policy, Pedagogy, Performance. ed. by Vershawn Ashanti Young and Aja Martinez. Urbana, IL: NCTE, 2011. 143-67.

Refereed Journal Articles

- * **Bewaji, J. A. I.** “Globalization, Property Rights, Knowledge, Research, Ethics and Risk” in *West Africa Review*. No. 19, 2009 .
- * **Carpenter, Karen and Matthew McKenzie.** “Love on a continuum” *Social and Economic Studies*, 60, No 1, (March 2011) 111-136.

- * **Carpenter, Karen** and Annecka Marshall. (eds.) “Sexualities in the Caribbean”. *Social and Economic Studies*, 60, 1, (March 2011) 111-136...
- * **Devonish, Hubert.** “Two Flowers Made Me: Prototype versus Stereotype in Two Surinamese Speech Events”. *Social and Economic Studies*, 60, 1, (2011) 91-110.
- * **Devonish, Hubert.** “The Language Heritage of the Caribbean: Linguistic Genocide and Resistance.” *Glossa*: 5, 1 (2010).
- * **Devonish, Hubert** and **Karen Carpenter** “Out of many, One Norm-Us: Linguistic and Racial Self Concept in the National Identity of Jamaican Children.” *Sargasso*: 2010 1: 93-117.
- * **Kouwenberg, Silvia.** “Creole studies and linguistic typology: part 2” *Journal of Pidgin and Creole Languages* 25, 2 (2010): 359-380.
- * **Kouwenberg, Silvia.** “Linguistics in the Caribbean: Between theory and practice” *Journal of Pidgin and Creole Languages* 26, 1 (2011): 219-233.
- * **Kouwenberg, Silvia** and Darlene LaCharité. “The typology of Caribbean Creole reduplication”. *Journal of Pidgin and Creole Languages* 26, 1 (2011): 194-218.
- * **McLaren, I.A.M.** “Another Country, Not my Own: Crossing Disciplinary Boundaries, Forging Alliances within the Framework of a Communication Across the Curriculum (CAC) Initiative in the Sciences”. *International Journal of English and Literature*.1, 2 (2010): 10-15.
- * **McLaren I., C.A. Dyche, A.A. Brooks, H. Devonish.** “Survival or natural death?: Issues related to the sustainability of Writing Across the Curriculum Programmes.” *European Association of Teachers of Academic Writing {EATAW}*, 1, 1 (2011, March).

Other Peer-Reviewed Publications

- * **Stewart, Michèle** “Jamaican Creole alongside Standard Jamaican English in the speech of 2 year olds from urban Kingston”. *Caribbean Journal of Education* 32, 2 (Sep 2010): 177-201.

Non-refereed Publications

- * **Kouwenberg, Silvia**. “Taino’s linguistic affiliation with mainland Arawak”, *Proceedings of the twenty-second Congress of the International Association for Caribbean Archaeology (IACA)*. Kingston, Jamaica: Jamaica National Heritage Trust, 2010, 675-691.
- * Aboh, Enoch O., Adrienne Bruyn, James Essegbey, **Silvia Kouwenberg**, Pieter Muysken, Rocky Meade, Margot van den Berg and Tonjes Veenstra. “A tribute to Norval Smith”. *Journal of Pidgin and Creole Languages* 26, 2 (2011): 235-246.

Income Generation

Grant Obtained:

Dr. Otelemate Harry obtained J\$455,772.00 from The Graduate Studies & Research, Research and Publication Fund, UWI, Mona, towards a project, ‘A study of aspects of the prosodic phonology of Jamaican Creole.’

PUBLIC SERVICE

Dr. J. A. I. Bewaji

- Member, UNESCO Jamaica National Bioethics Committee.
- Editor, *Caribbean Journal of Philosophy – CJP* Vol. 2, No. 1
- Editorial Board Member, Caribbean Philosophical Association, USA.

Dr. Karen Carpenter:

- Member, Jamaican Psychology Society
- Member, Caribbean Sexuality Research Group

Mrs. Keren Cumberbatch

- Advisor, Jamaica Association for the Deaf – Deaf Studies Curriculum and Interpreting Services Development Committee.

Professor Hubert Devonish

- Vice President, Society for Caribbean Linguistics

Dr. Otelemate Harry

- Chairman, Nigerians in the Diaspora Organisation, (NIDO), The Americas region, Jamaican Chapter

Dr. Vivette Milson-Whyte

- Member, Activities Committee, Jamaica Fulbright-Humphrey Alumni Association

Dr. Kathryn Shields Brodber

- Convenor, CAPE Communications Studies, Caribbean Examinations Council
- Member, Society for Caribbean Linguistics

Dr. Michèle Stewart

- Board Member, of Governors, The Catholic College of Mandeville
- Board Member, The Roman Catholic Archdiocesan Education Board (AEB)

PRIZES AWARDED

Foundation Courses:

Best Student in FOUN1001/FD10A
(English for Academic Purposes).

Okey Roy COKE

Best Student in FOUN1401/FD14A
(Writing in the Disciplines)[TIE]

Allison Deniece ISAACS
Shanique Therese BECKETT

Best Student in FOUN1002/
UC10B (Language Argument)[TIE]

Tashna-Toya Shantan EDWARDS
Robert Mitchum CAMPBELL (Jr.)

Linguistics:

Best Level-I Linguistics Student ...
(TIE)

Narda Crystal-Gail RATTRAY
Elizabeth Anne LEVY

Best Level-II Formal Linguistics Student

Tinashae Yolande HINES

Best Level-II Non-Formal ...
Linguistics Student

Shelly-Ann Rosemarie CUNNINGHAM

Best Level-III Formal Linguistics Student ...

Tina Samantha WHYTE

Best Level-III Non-Formal Linguistics Student

Tina Samantha WHYTE

Best Graduating Linguistics Student ...
– *John Reinecke Prize*

Tina Samantha WHYTE

Philosophy:

Best Level-I Student ...

Renee Anashay DILLON

Best Level-II Student ...

Derisha Shereka ROBINSON

Best Level-III Student ...

Phylcia Dawn Elizabeth WILLIAMS

DEPARTMENT OF LIBRARY AND INFORMATION STUDIES

Professor Fay Durrant, MLS *Syrscuse*, BLS *Toronto*, BA Spanish
(Hons) *UWI* – Head of Department

WORK OF THE DEPARTMENT

During the academic year under review the Department continued the implementation of its programmes and activities in keeping with its mission statement:

“To provide the highest standard of teaching and research, to produce information professionals, well equipped to face the challenges of the dynamic information environment and capable of managing the information needs of the people of the Caribbean, for the twenty-first century and beyond.”



The focus was therefore on:

- continued introduction of innovations in teaching and learning;
- increasing emphasis on Caribbean issues in research and teaching; and
- extending international and regional partnerships.

TEACHING AND LEARNING

“Blended learning”

The Department continued to extend its use of the available online and e-learning facilities particularly OurVLE. Course containers were set up

for all courses and staff attended workshops at the Instructional Development Unit (IDU) on the use of online teaching and learning environments. In recognition of the need to offer both face-to-face and distance learning, there has been consultation with Dr. Luz Longworth and Mr. Stephen White of the Open Campus to determine how best to proceed in adopting a “blended learning” environment. There are still issues to be clarified in terms of costs to the Department and discussion continues with the Open Campus.

Staff participated in a practical session on the *Illuminate* software organized by the Systems Unit of the Open Campus. This software aims to “unify technologies, video and web conferencing, instant messaging, phone, learning and content management systems, and social networks, to make learning and collaboration happen better, faster, and more efficiently.”

Teaching and learning benefitted from the participation of invited guest presenters. Dr. Paulette Kerr invited Dr. Marie Radford of Rutgers University to present the first webinar on Chat Reference Research to the class LIBS 2201 Information Resources: Their communication and conservation.

In an effort to deal with plagiarism encountered in some instances in the department, members of teaching staff were trained by Sean Newman of MITS in the use of the Turnitin software, and in turn trained students in the techniques for determining the level of originality in their research papers.

Summer Institute on Business Information Services and Resources

The Summer Institute on Business Information Services and Resources was held from June 27 to July 1. This was done in collaboration with the UWI Libraries and the Mona School of Business. This one week session provided a practical introduction to relevant business information resources, and services, and was used to provide a basis for the introduction of a new course in business information. Further

collaboration with the UWI Libraries and the Mona School of Business is planned.

Development of joint programmes

Initial discussions have been held with the Faculty of Law at Mona regarding the development of a graduate programme in Law Librarianship. Developments in education in librarianship include the ability to provide education in specialized areas such as law. In the case of law librarianship, graduate students will be expected to do law specific courses in addition to graduate LIS courses. Details are yet to be worked out with the Faculty of Law.

Practicum / Internship

Students were assigned by the Coordinator to public, academic, special and school libraries, in Barbados, Jamaica, St Vincent and the Grenadines, Trinidad and Tobago, and the United States. Students now receive credit for the internship and the results for the undergraduate course were entered in the Students' Administration System (SAS).

The main objectives of the programme are to enable students to relate theories learnt in the courses with the practical aspects of librarianship, to conduct procedures and to gain experience in delivering services.

Programmes	Number of students placed	Countries of placement
Undergraduate		
BA Library & Information Studies	37	Jamaica (31), St. Vincent & the Grenadines (1), Trinidad & Tobago (3), United States (2)
BEd (School Librarianship)	4	Jamaica (3), Barbados (1)
Graduate		
MLIS	8	Jamaica (6), Trinidad & Tobago (1), Barbados (1)
Total Students Placed	49	

The internship/practicum continues to prove a very valuable element of the undergraduate and graduate (MLIS) degrees. Students reported that they gained a good practical introduction to the ways in which libraries function and to some current innovations in librarianship.

A briefing meeting was held on March 31 with librarians who were expected to supervise students and feedback was obtained on the implementation of the programme in their libraries.

RESEARCH AND INNOVATION

Internet and Libraries Research

The Department received a New Initiative Research Grant, to determine the impact of the Internet on libraries in Jamaica, and the views and perceptions of users in this context. The study aims to determine the status of the Internet, ways in which it is being used to deliver information services, and ways in which services can be delivered to match the needs and preferences of users.

Media and Information Literacy Research

The Department was invited by the UNESCO Division of Information and Communication to conduct a survey of media and information literacy levels among teachers and teachers-in-training in the Caribbean. The countries surveyed were Antigua and Barbuda, Guyana, Jamaica, and Trinidad and Tobago. The results of the research are expected to inform UNESCO's policy on education for media and information literacy to guide other stakeholders, including media and information professionals, educators, citizens media groups, policy and decision makers, about the need for media and information literacy training among educators at various levels. Dr Cherrell Shelley-Robinson led the design and conduct of the survey, the analysis of the results and the preparation of the report.

Awards

The Department received an award from the Library and Information Association of Jamaica (LIAJA) for its outstanding contribution to nation building through support to libraries and librarianship.

Dr. Paulette Stewart received the Takeshi Murofushi Research Award from the International Association of School Librarianship (IASL) on September 27, 2010. This award supported her study – “IASL Conferences: an evaluation of the attendance patterns of participants 1998-2010”.

INTERNATIONAL PARTNERSHIPS

UNESCO

The Department and CARIMAC have been invited by UNESCO to participate in and to develop a global network on Media and Information Literacy, with seven other universities. The Network will address issues and exchange information and research concerning media and information literacy (MIL) within the framework of the United Nations Alliance of Civilizations on Media and Information Literacy for Intercultural Dialogue (UAC-MILID). The launch of the network took place on July 15, 2011 in Fez, Morocco.

Prof. Durrant represented Jamaica and the UWI at a related meeting to develop Media and Information Literacy (MIL) Indicators, which was convened by UNESCO in Bangkok, Thailand in November 2010. The meeting agreed that indicators should be organized in two sets: those intended to measure enabling factors that influence how individuals acquire MIL competencies and how well public and private institutions promote media and information literacy; and those intended to measure MIL competencies for all individuals in a society with additional consideration for teacher trainers and teachers in-training and in-service.

International Association of School Librarianship (IASL)

Dr. Paulette Stewart was instrumental in re-establishing the connections between the International Association of School Librarianship (IASL) and Jamaica. As President of LIAJA, she negotiated for the hosting of the 41st IASL Conference on the UWI Mona Campus under the theme, *School Libraries: Empowering the 21st Century Learner*. Dr Stewart was also Chair of the Local Organizing Committee. Members of the Department participated in preparatory activities which included the physical arrangements for the hosting of the Conference Secretariat and Registration Desk by the Department.

International Students Exchange

Two postgraduate students in the MLIS Programme, Antoinette Harriott and Beverley Eccleston-Burte completed exchanges arranged by the International Students Office. They received awards under the Canadian Government for Emerging Leaders, and studied at the University of Toronto, Faculty of Information Studies for Semesters 1 and 2 of the academic year 2010/2011.

NATIONAL OUTREACH

The Department participated in several outreach activities including:

“A we dis. A Cultural Representation of the Caribbean in Children’s Books” was the title of a public lecture given by Dr Cherrell Shelley-Robinson, October 2010. The main focus of the lecture was Caribbean cultural identity and authenticity found in information books published to meet the demands of the multicultural curriculum in Britain and North America. Her presentation concluded with guidelines and recommendations for the creation of more authentic indigenous literature for children.

The Department in collaboration with the UWI Libraries established the Kenneth Ingram Memorial Lecture Series. The second lecture *History at the personal level: tesserae in the mosaic of Caribbean social history* was delivered by Prof Margaret Rouse-Jones, March 2011. Prof. Rouse-Jones lecture drew on her experience with the Eric Williams Memorial collection in the Library at the

UWI St Augustine Campus, to demonstrate how a variety of source materials can be used in the study of the lives of individuals.

Dr. Paulette Kerr participated in the Gleaner's Editors' Forum in September 2010. Representatives from library services in academia and from the National Library of Jamaica met at The Gleaner Company to discuss *the role of libraries in society*. Dr. Kerr stressed the importance of being information literate in today's society and the integral role of libraries in developing information literacy competencies.

PROMOTION OF THE DEPARTMENT AND PROGRAMMES

With a view to extending the reach of the Department, a Facebook page was set up and is being used to interact with current students and alumni. This is being used in addition to the Department's website which has been updated and expanded.

Research Day

The Department participated in the activities of the Faculty of Humanities and Education to promote and explain Information Literacy. Dr Paulette Kerr led a team of students from the undergraduate programmes in presenting a skit on information literacy competencies.

The Department also invited students from St. Hugh's High School and St. Jago High School to a presentation by Ramnauth Sookraj on the use of Multimedia in the Department's courses.

Multimedia material highlighting the research profile and output of the Department were displayed.

Customer Service - Student Perception Survey

The Department was rated as follows in the surveys conducted by the Deputy Principal's office between September 2009 to September 2010.

Date	Menu	Percentage
September 2010	3.6	72.5
January 2010	3.5	70.3
September 2009	3.8	75.7

STAFF

Teaching Achievement of the Department 2010/2011

Undergraduates	Mean Semester 1	Mean Semester 2
Lecturer mean	4.3	4.1
Course mean	4	3.8
Graduates		
Lecturer mean	4.3	4.5
Course mean	4.3	4.4

PAPERS PRESENTED

- **Brown, Hyacinth.** “RDA - Resource Description and Access: The new cataloguing Code for the 21st Century”, September 2010. Seminar of the Socio Economic Information Network, (SECIN).
- **Durrant, Fay.** “Transparency and Accountability: issues in the implementation of access legislation in the Caribbean.” First Global Conference on Transparency Research, Rutgers University, May 18-19, 2011.
- **Kerr, Paulette A.** “Information Literacy education in academic libraries: Multi-dimensional, complex, and contradictory”. DLIS Staff Research Presentation. June 9, 2011.

- **Scale, Mark Shane E.** “Promotional presentation on UWI and DLIS”, St Jago High School Careers Day. February 2011
- **Sookraj, Ramnauth.** “Multimedia in the DLIS programmes.” Students of St. Hugh’s and St. Jago High Schools. January 2011.
- **Stewart, Paulette.** “Learn to Read-Read to Learn @Your Library: Public and School Library Partnership,” Annual Conference, International Federation of Library Associations, August 2010.
- **Stewart, Paulette** “Learn to read-read to learn @your library: developing creative and literate learners.” Annual Conference, International Association of School Librarianship, September 2010.

PUBLICATIONS

- * **Scale, Mark-Shane E.** Assessing the Impact of Cloud Computing and Web Collaboration on the Work of Distance Library Services. *Journal of Library Administration*, 50: 7, 933-950.
- * **Scale, Mark-Shane E.** Written information and planning in Jamaican small business: a usability approach. Saarbruchen, Germany: LAMBERT Academic Publishing (LAP) 2011.
- * **Scale, Mark-Shane E.** Social Networking Sites for Caribbean Library Services: How do Caribbean Libraries use Facebook? *LLAJA Bulletin* 2011.

INCOME GENERATION

The Department earned US \$10,000 for satisfying the requirements of the contract to Survey of Media and Information Literacy among Teachers, In-Service and In-Training, in the Caribbean.

PUBLIC SERVICE

Miss Paulette Bowen

- Member, Library and Information Association of Jamaica (LIAJA)

Dr. Paulette Kerr

- Coordinator, Research Proposals IASL
- Member, Executive Committee, Jamaica Fulbright Alumni Association
- Member, Association of Library and Information Science Educators (ALISE)
- Member, Library and Information Association of Jamaica (LIAJA)

Prof. Fay Durrant

- Member, Jamaica Library Board
- Member, Board of Management National Library of Jamaica (NLJ)
- Member, Advisory Committee on the National Information System (ACNIS) Jamaica
- Chair, Information Advisory Committee, Jamaica National Commission for UNESCO
- Member, Library and Information Association of Jamaica (LIAJA)
- Member, Association of Caribbean University, Research and Institutional Libraries (ACURIL)

Mr. Mark-Shane Scale

- Member, Program Advisory Board, 15th Off-Campus Library Services Conference in 2012.
- Member, Local Organizing Committee, International Association of School Librarianship (IASL) 2011 conference

- Chair, Information Technology Working Party, Library and Information Association of Jamaica (LIAJA)
- Member, International Association of School Librarianship (IASL)

Mr. Ramnauth Sookraj

- Member, Library and Information Association of Jamaica (LIAJA)

Dr. Paulette Stewart

- Chair, Local Organizing Committee, International Association of School Librarianship Conference.
- President, Library and Information Association of Jamaica 2010/2011
- Judge, Jamaica Library Service National Reading Competition

STUDENTS

Awards

Awards	Criteria	Student
Arm Robertson Prize	Best Student – BEd School Librarianship	Marilyn White
Alumni Prize	Best Grade – Year 1	Carla McLaughlin
COMLA Prize	Best Grade – Year 2	Melissa Laptiste
Daphne Douglas Prize	Personal and Professional Development	Kenisha Facey
Dorothy Collings Prize (Graduate)	Best graduate performance	Genevieve Jones
Dorothy Collings Prize (Undergraduate)	Best Overall Undergraduate Performance	Netollia Sims
Gloria Baker Award	Qualified second or final year student	Venisha Robertson
LIAJA	Best performance among qualifying applicants	No award
3M/Ken Ingram/UWIDEF Scholarship	Best performance among qualifying applicants	Carla McLaughlin

Student Enrolment

Undergraduate

BA – Library Studies

Year	Full-Time	Part-Time	Total
2009/2010	71	63	134
2010/2011	72	46	118

BEd School Librarianship

Year	Full-Time	Part-Time	Total
2009/2010	9	2	11
2010/2011	8	0	8

Graduates

Master of Arts in Library and Information Studies (MALIS)

Year	Full-Time	Part-Time	Total
2009/2010	6	29	35
2010/2011	9	22	31

Master in Library and Information Studies (MLIS)

Year	Full-Time	Part-Time	Total
2009/2010	10	18	28
2010/2011	9	19	28

DEPARTMENT OF LITERATURES IN ENGLISH

Norval Edwards, BA *UWI*, MA, PhD *York* – Head of Department

WORK OF THE DEPARTMENT

The Department of Literatures in English confronted several recurring academic and administrative challenges during the 2010-2011 academic year. Overall, despite the challenges, the Department maintained its usual standards, receiving on average fairly high student evaluations of its courses and lecturers, and achieving a respectable modicum of academic research, publication, and public service. Despite our small size and limited resources, we are committed to



the project of intellectual and pedagogical transformation that will facilitate both our institutional relevance and the delivery of real education rather than mere certification.

Teaching and Learning

Curriculum Review

The Department of Literatures in English convened a major curriculum planning retreat during the 2010-2011 academic year to review and rationalize course offerings, and to formulate new curricular initiatives premised on interdisciplinary and interdepartmental collaboration. The retreat produced the following recommendations to inform the Department's strategic objectives in teaching and learning:

- Revise the Strategic Action Plan to reflect the paradigm shift from discipline-specific courses to interdisciplinary and

multidisciplinary fields and the attendant pedagogical implications.

- Collaborate with the Institute of Caribbean Studies, Department of Educational Studies, Modern Languages, CARIMAC, Language, Linguistics and Philosophy, and the Philip Sherlock Centre for the Creative Arts to create viable minors and concentrations that will attract students.
- Develop more Film Studies and Creative Writing courses so that minors can be offered in these areas.
- Expedite the completion and submission of the proposal for the B.A in Literature and Language Education.
- Aggressively advertise the Department's programmes to high school students.
- Initiate the following measures to deal with the epidemic of plagiarism: writing workshops for students; using Turnitin; creating plagiarism-unfriendly assignments that emphasize creativity, individual voice, and critical engagement.
- Design short courses (with income earning potential) for summer and online delivery. In this light, the Department contacted Mr. Chris Browne, director of *Third World Cop*, to see if he would be interested in teaching a course on screenplay writing for this summer. Mr. Browne expressed his interest in teaching such a course at a later date, as his schedule prevented him from committing to the department's desired time frame.

The Heads of Literatures in English and Department of Educational Studies subsequently met and discussed and completed the proposal for the BA in Literature and Language Education, and this was sent to FAQAC for consideration. The Heads also identified other areas of collaboration such as the developing and teaching of courses in children's literature, creating a joint MA in Literature and the Teaching of English, and content and teaching input in the new Teaching Caribbean Poetry course.

No new courses or programmes were introduced in the 2010-2011 academic year, but the Department collaborated with the Philip Sherlock Centre for the Creative Arts and the Department of Educational Studies to

formulate proposals for a Minor in Theatre Studies and a new joint B.A programme in Literature and Language Education respectively. Dr. Rachel Moseley-Wood, the Department's Film Studies specialist, initiated preliminary discussion with CARIMAC regarding the feasibility of a minor in Film and Media Studies, and she also produced three new Film Studies course proposals, which are currently being considered by FAQAC: LITS2906: Adaptation: Novel to Film; LITS2806: Reggae Films: Screening Jamaica; and LITS3806: Popular Film and Ideology. The Department also agreed to include a course in African Film (LITS3603: African Film, currently taught at Cave Hill) on the curriculum. These courses will constitute the core requirements for the Department's prospective Film Studies minor. Proposals were submitted to FAQAC requesting that the Department's HUMN course codes be changed to LITS, and for changing the level and title of LITS2113-Writing Africa from the Diaspora to LITS3113-Africa in the Black Atlantic Imagination. The Department also drafted a proposal for an internship in Creative Enterprises for Level 2 /3 students, and received guarantees from two organizations regarding placement of students.

BUS Quality Reviews

Dr. Anna Kasafi Perkins of the Quality Assurance Unit did a quality evaluation of the Department on September 20, 2010 and made the following recommendations based on the audit: student representation on various committees should be formalized; initiate measures to improve course assessment instruments; explore ways to support part-time graduate students; and engage in dialogue with the Bookshop and Office of Student Records about improving book purchase mechanism and accessing student data respectively.

Graduate Studies and Research

Due to dismal registration figures, the Department suspended the MA programme for the 2010-2011 academic year. The Department maintained its focus on working with Graduate Studies and Research to ensure more effective throughput of graduate students. In September 2010, the

departmental graduate studies committee conducted an exhaustive review of all graduate students in the programme to ascertain their status. Subsequently, supervisors were tasked with ensuring that delinquent students submitted feasible completion schedules.

Student-Oriented Activities

The Department hosted its annual social for incoming students on September 16, 2010. It was an interactive session that allowed students to meet all the members of the Department, make suggestions about improving academic and administrative procedures, and ask questions about the programme. Lecturers imparted useful tips about study skills, critical thinking, and the disciplinary protocols that students must master in order to succeed. Advice was given about how to choose courses and the optimal mix of core requirements and electives over the three years of the undergraduate programme. The students greatly appreciated the event, which they found both educational and entertaining, and they recommended that it should be done at the beginning of each semester rather than once a year. On April 14, 2010, the Department held its annual Literatures in English Career Seminar. This year the talk was entitled “Life After the Degree in Literatures in English” and featured addresses by two graduates of the Department, Mr. Michael Holgate (1994) and Mr. Robert Lalah (2004). Lalah is a features writer at the Sunday Gleaner and author of the popular “Roving with Lalah” columns and the book of the same name; and Holgate is a dramatist, actor, novelist, choreographer, Creative Director of ASHE and Staff Tutor at PSSCA. Both men spoke about the challenges of finding employment after graduation, assuring their audience that an English degree is a useful tool with which to enter the job market. They affirmed the advantages of an English degree in cultivating analytical skills, critical and creative thinking, and effective communication. Pointing out that possibilities for the English graduate are endless, Mr. Holgate recounted some aspects of his career path after graduation which included working in the performing arts, teaching at the Edna Manley College, filmmaking, directing in the theatre, writing a novel, workshop facilitation, song writing, playwriting and copywriting. The Department agreed to implement a pilot peer-mentoring project in

2011-2012 to assist students in academic writing, study skills, and other required competencies. Ms. Shala Alert, a graduate student, was instrumental in conceptualizing the proposal and the Department commended her initiative.

Scholarly Activities and Outreach

The Department's outreach activities in 2010- 2011 included the following:

Public Lectures

On February 1, 2011, Mawuena Logan gave a lecture on Negritude at Hillel Academy.

Professor Carolyn Cooper gave a lecture, "A Speck of Greatness: Repositioning Brand Jamaica," at the TEDxIrie Conference in Kingston on April 2, 2011.

As part of its Reggae Poetry outreach, the Department hosted public lectures by popular entertainers Vybz Kartel and Tanya Stephens on March 15 and 31, 2011 respectively.

On April 26, 2011, Dr. Erna Brodber hosted her annual public reading of fiction by her creative writing students.

On May 11, 2011, Professor Carolyn Cooper gave a lecture to students and staff at St. Mary's College, Castries, St. Lucia. The lecture was titled "Addi the Teacha! Lessons from the Lyrics of Vybz Kartel."

On May 12, 2011, Professor Carolyn Cooper gave a public lecture entitled "No matter where you come from: Pan African Consciousness in Caribbean Popular Culture" for the UWI Open Campus, St Vincent and the Grenadines.

The Edward Baugh Distinguished Lecture Series: On June 5, 2011, Professor Helen Tiffin delivered the Fourth Edward Baugh Distinguished Lecture at the Neville Hall Lecture Theatre on the topic "Small Islands, Strong Currents: The Significance of West Indian Literature". Dr. Tiffin is

Professor Emerita of English at the University of Tasmania and is recognized as one of the leading scholars in the world in the area of postcolonial studies. She is the author of *The Empire Writes Back: Theory and Practice in Postcolonial Literatures* (1989; with Bill Ashcroft and Gareth Griffiths), regarded as a foundational text in postcolonial theory.

Book Launches

December 7, 2010: Sonia King, *Jacket... or Full Suit? Paternity Testing From a Jamaican Perspective*

December 9, 2010: Paulette Ramsay, *Under Basil Leaves* and *On Friday Night* (co-authored with Dr. Anne-Maria Bankay)

April 17, 2011: Velma Pollard, *Considering Woman 1 & 2*

Staff / Postgraduate Seminar Series

The Department's Staff / Postgraduate Seminar Series featured the following presenters for the 2010 /2011 academic year:

Visiting Scholars

Dr. Rachael Mordecai, Assistant Professor, in the Department of English, University of Massachusetts (Amherst) presented a paper titled "Queer Sex and the Jamaican Citizen: Patricia Powell's A Small Gathering of Bones" on September 24, 2010.

Michael Morris, a PhD candidate at the University of Glasgow presented a paper titled "Jamaican Scots: Mary Seacole and Robert Wedderburn" on February 18, 2011

Dr. Julie Kim, Assistant Professor, in the English Department, Fordham University delivered a presentation titled "The Carib Atlantic" on April 15, 2011.

Literatures in English Graduate Students

Jodi-Ann Masters, MPhil student, UWI, delivered a presentation titled “Gender Performance and Hegemonic Dialectic in *The Young Desire It* and *Cambridge*” on May 6, 2011.

Workshops

Between December 6 and 9, 2010, Norval Edwards and Michael Bucknor participated in an Item Writing Workshop for the CAPE Literatures in English Examination at the Caribbean Examinations Council Western Zone Office at Caenwood.

On December 14, 2010, Michael Bucknor participated in a CAPE Workshop for 6th Form students at the Glenmuir High School in May Pen, Clarendon. He gave tips on exam preparation and writing good arguments.

Between January 4 and 10, 2011, Michael Bucknor participated in a CAPE Literatures in English Paper setting Meeting at the CXC Hedaquarters in Barbados.

Links with Other Universities (Local)

On May 9, 2011, Norval Edwards served as the External Examiner for Northern Caribbean University’s Language and Content examination for their final-year students.

Initiatives in Collaboration (Regional and International)

Links with Other Universities

Exchange with Malmö University:

Ms. Tricia Wint and Mr. Damian René went to Malmö in semester one of the 2010 -2011 academic year.

International Organizations / Professional Achievement

Dr. Michael Bucknor was elected as Chair of the Association of Commonwealth Literature and Language Studies (ACLALS) at the 15th

Triennial Conference of the association in Cyprus. He will serve in this capacity for the next three years 2010-2013 and will host the 16th Triennial Conference in the Caribbean in 2013, most likely in Derek Walcott's island of St. Lucia. Ms. Tanya Shirley, a PhD candidate and temporary lecturer in Literatures in English was appointed as Treasurer of ACLALS.

Staff Matters

Dr. Victor Chang's retirement and Miss Lisa Brown's departure affected our ability to deliver Shakespeare and Drama courses. Ms. Shala Alert rose to the challenge of teaching LITS2207-Introduction to Shakespeare, one of the core courses for our majors, but we definitely need a permanent replacement for Dr. Chang in order to shore up our offerings in drama and Renaissance literature. On a more positive note, the Department welcomed a familiar face, Dr. Rachel Moseley-Wood who joined us in a new capacity as a Lecturer in Film Studies. Dr. Wendy Grant also joined the Department as a temporary assistant lecturer. Mrs. Cordella O'Gilvie assumed duties in February 2011 as Administrative Secretary, replacing Miss Mary Gray who retired after twenty-six years of dedicated and excellent service. In terms of promotions, Dr. Mawuena Logan's application for tenure was approved at the May 27 meeting of the Appointments and Promotions Committee.

PAPERS PRESENTED

Dr. Michael Bucknor

- "Exploring Black Masculinities Across Multiple Landscapes" conference at the University of North Carolina, Greensboro, "Complicating Revolutionary Romances: Black Diasporic Masculinities and Popular Culture." October 14 - 6, 2010
- "Social Constructivism and Jamaican Popular Romances" to the "Reading Contemporary Popular Culture" graduate class, University of Miami, March 2, 2011.

- “The Present Future of Caribbean Literary and Cultural Studies,” in honour of Prof. Sandra Pouchet Paquet, founding editor of *Anthurium* and Professor of Caribbean Literature who recently retired from the University of Miami. “Performing Masculinities in Jamaican Popular Culture”, March 4, 2011.

PUBLICATIONS

- * Michael Bucknor co-edited with Alison Donnell, The Routledge Companion to Anglophone Caribbean Literature London: Routledge, 2011. 704pp. June 15, 2011.

Book Chapters:

- * Bucknor, Michael A. “Olive Senior—‘Grung’/Ground(ed) Poetics: ‘The Voice from the Bottom of the Well’” in The Routledge Companion to Anglophone Caribbean Literature London: Routledge, 2011, 85-92.
- * —“Dub Poetry As a Postmodern Art Form: Self-conscious of Critical Reception” in The Routledge Companion to Anglophone Caribbean Literature London: Routledge, 2011. 255-264.
- * Edwards, Norval. “Sylvia Wynter: Insurgent Criticism and a Poetics of Disenchantment” in Bucknor, Michael A. and Alison Donnell Eds., The Routledge Companion to Anglophone Caribbean Literature London: Routledge, 2011. 99- 108.
- * — “The Foundational Generation: From The Beacon to Savacou” The Routledge Companion to Anglophone Caribbean Literature London: Routledge, 2011. 111-123.
- * Logan, Mawuena. “Postmodern Identity: Blackness and the Making of President Obama.” The Obama Phenomenon: Change We Can/ Ed. Femi Ojo-Ade. Trenton (NJ): Africa World Press, 2010, 104-122.

Refereed Journal Articles

- * Edwards, Norval. “Bob Marley: Two Sightings and One Reflection on Natty Dread “, *Review: Literature and Arts of the Americas* 43.2 (Nov. 2010): 194-199.
- * — “Vernacular Sounds, Cultural Theories: The Uses of Sound in Kamau Brathwaite’s Literary and Cultural Criticism”, *BIM: Arts for the 21st Century* 4.1 (Nov.2010): 56-63.

PUBLIC SERVICE

Dr Michael Bucknor

- Editor, *Journal of West Indian Literature* (Regional Journal)
- Chief Examiner, CAPE Literatures in English, Caribbean Examinations Council
- Chair, Association of Commonwealth Literature and Language Studies (ACLALS)

Professor Carolyn Cooper

- Member, Board of Directors, Development Partners and Management International Limited, Kingston
- Regional Editor (Caribbean), *Interventions: International Journal of Postcolonial Studies*, Routledge.

Dr Norval Edwards

- Review editor, Northern Caribbean University’s peer-reviewed journal, *International Review of Humanities*
- Member, Advisory Board, *Issues in Critical Investigation*, Vanderbilt University, Nashville, Tennessee),
- Associate Editor, *Small Axe: A Caribbean Journal of Criticism*
- Editorial Board Member, *Postcolonial Text*

Mr David Williams

- Member, Executive Committee of the Jamaica Association for Mentally Retarded Persons.

Cross Campus collaboration

The Department publishes the *Journal of West Indian Literature* in collaboration with our sister departments at Cave Hill and St. Augustine, and its members are actively involved in WIACLALS, the regional branch of ACLALS. Additionally the department actively participated in reviewing new graduate course proposals from St. Augustine.

CATEGORIES OF STUDENTS

Undergraduate

Majors	–	138
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First Class Honours:	Stephanie Koathes
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Postgraduate

Registration

PhD	4
Mphil	20
MA	24

Award of Degrees

PhD	Gale Jackson
MA	Erica McFarlane

DEPARTMENT OF MODERN LANGUAGES AND LITERATURES

Marie-José Nzungou-Tayo, CAPES (*Haiti*), BA, MA (*Besançon*), PhD (*Lille III*), D.E.A (*Antilles-Guyane*), *Palmes académiques (Chev.)*

WORK OF THE DEPARTMENT

The work of the Department was seriously affected by staff movement. The Department bade farewell to Mr. Gilles Lubeth, Dr. Ileana Sanz, Ms. Nathalie-Zoé Fabert and Ms. Kumiko Yoshida. We welcomed the following new foreign assistants: Ms. Mathilde Sublic (France), Ms. Aiko Hashimoto (Japan, short-term volunteer) and Ms. Yenny Vargas-Quiroga (ICETEX Colombia). Ms. Nadine Barnett resigned at the



beginning of the academic year. Mrs. Barnett-Passard joined the department as full-time instructor for 2010-11. Dr. Courtney Hogarth was appointed Director of the Confucius Institute. The Chinese co-director of the Institute, Prof. Lu Shaogang, arrived at the end of February. The CI report can be read under the “Centres, Institutes, Units” section. Ms. Tomomi Yoshimatsu, the new JICA volunteer joined the department in May 2011 and will stay with us for 2 years. Mr. Lindy Jones successfully defended his dissertation on October 28, 2010 and received his PhD degree at the Graduation Ceremony on November 5, 2010. Ms. Patricia dos Reis received the Postgraduate Certificate in Education in University Teaching and Learning at the same ceremony. Ms. Maria dos Reyes Agulló Pastor received a Spanish National Award for excellence at the University level “Premio Nacional” for the quality of her results at the BA level. She successfully completed the Master 1 in Teaching. Ms. Tazuko Iijima attended the ACTFL Annual conference

and workshop on November 19-21, 2010. Dr. Paulette Ramsay edited the special issue of *The UWI Quality Education Forum* No. 17, January 2011. Prof. Williams's award-winning book *The Devil in the Details* was launched on March 10, 2011 by Dr. Conrad James from Birmingham University. Dr. Cévaër, Mrs. Nunes and Dr. Nzengou-Tayo (co-chair) started preparatory work in the local organizing committee for the Haitian Studies Association annual conference which will be hosted by the Mona Campus in November 2011 They met with the Board at its Spring meeting which was held on April 1, 2011 at Mona.

Outstanding Research:

Professor Claudette Williams received the Principal's award for outstanding research on January 28, 2011 for her book *The Devil in the Details: Cuban Antislavery Narrative in the Postmodern Age*.

Condolences

The Department extended its condolences to Mrs. Rona Barnett-Passard on the passing of her mother and to Dr. Courtney Hogarth on the passing of his father.

Ms. Tazuko Iijima and Ms. Aiko Yashimoto received our expressions of sympathy on the tragedy which hit Japan in March 2011.

Teaching and Learning

The department held its annual retreats at the end of each semester during which it reviewed its course delivery. Among matters discussed was the opening of the hospitality language courses to all language students. Shortwood Teachers' College was approached to explore the possibility of joint offerings in literature (both Spanish and French). Two training sessions were organized for staff: at the beginning of the academic year. Mr. McCook, the Lab Technician, trained all staff in the use of the Sanako System and at the end of the second semester, Ms. Tazuko Iijima, conducted a workshop on the use of OURVLE. Discussions took place with the Head of the Department of Educational Studies in order to revise

the proposal for a BA/BEd programme in Modern Languages (French and Spanish and Education). It was agreed that such a programme would require more than the standard 90 credits and AQAC will be consulted on the matter.

The Head of Department met with the Head of the Department of Government to explore the possibility of initiating a Haitian Studies programme. It would start with the establishment of a Haitian Observatory: a graduate student proficient in French would gather information published in Haiti and about Haiti and make it available in English to the Jamaican community. The next step would be to offer a minor in Haitian Studies. The possibility of a major was raised. It was agreed that such a programme will have to be cross-departmental and cross-faculty.

Graduate Studies. There was no new intake of students. Dr. Cévaër organized four seminar presentations by graduate students during the semester break. **Rashell Powell** presented “Gyneco-Exclusivism: Negotiating Spaces of Alterity as Reflected in the Work of Myriam-Warner Vieyra” followed by **Warrick Lattibeaudiere**, “Chameleonizing Gender in Patrick Chamoiseau’s *Texaco*, Raphael Confiant’s *Mamzelle Libellule* and Mayra Montero’s *Del rojo de su sombra: Review of Literature*” on December 20, 2011. On January 19, 2011, **Jaron Whitely** presented on “Computer-Assisted Language Learning at the UWI, Mona: The Way Forward” followed by **Dejon Lingo**’s “Foreign Language Learning and Effective Foreign Language Instruction: A Lifelong Learning Perspective.” A research group started on May 16, 2011 and had weekly meetings until the end of July.

Evaluation of lecturers and courses

The Department continues to be highly rated for its teaching and courses. The mean average was 4.5 (lecturers) and 4.2 (courses) for both semesters.

Student-centered activities

The Department organized an Orientation day for first-year students on October 7, 2010. Two issues of the French students’ magazine

MonÉcrivain were published this year and are available online on the departmental website.

Japanese students performed at the JICA Alumni Party held on November 13, 2010. On March 31, 2011 the Japanese Club held its annual Japan Day in the Faculty Courtyard. A banner of solidarity was designed and signed during the event. Funds were collected for the earthquake and Fukushima disaster victims and presented to the Japanese Embassy as a sign of solidarity.

The Brazilian Club showed a film *Edificio Master* in N1 on November 18, 2010.

The Spanish Club visited and performed at the Jamaica College Spanish Club on October 12, Columbus Day. A recording was made, which will be used for promotion. First Year Spanish students served as ushers at the public lecture given by the President of Colombia H.E. Dr. Juan Santos Calderón on November 19, 2010. The UWI/Colombia exchange students prepared a video presentation which was projected to the audience while waiting for the arrival of the president. First-year Spanish students went on a field trip to Spanish-owned hotel in Montego Bay in order to give them an opportunity to develop their speaking skills by inter-acting with the native Spanish-speaking staff of the hotel as well as to get an insight into the industry.

From March 29-30, 2011, the Department hosted the 12th Annual Inter-Campus Modern Languages Theatre Festival. French plays were performed on the 29th and Spanish plays on the 30th. Items in Japanese, Chinese and Portuguese were performed on both days. The Cultural Attaché of the Japanese Embassy, Ms. Irisawa, the Acting Commissioner of Trinidad and Tobago, Ms. Williams, and the Ambassador of Mexico, H.E. Mrs Leonora Rueda attended the performances on March 30. Ambassador Rueda presented certificates to the actors of the Spanish plays. At the closing ceremony in the evening, the Dean of the FHE, Dr. Swithin Wilmot, the Ambassador of Spain H.E. Mrs. Celsa Nuño and the Chargé d'Affaires of France, Mr. Bruno Jouannem, presented certificates and gifts to the students and coaches. An article on the programme was

featured in the “UWIMONA NOW” Supplement of *The Sunday Gleaner* of April 24, 2011.

International Relations

The Department was contacted by Mr. Ernesto Rosenstand from the Escuela de Administración y Mercadotecnia del Quindío in Colombia for possible co-operation in Foreign language curriculum design and training, as well as the establishment of a foreign language department. These are still preliminary contacts.

Contacts were established with Dokkyo University thanks to Ms. Tazuko Iijima with a view to preparing a MOU for an exchange programme which would allow students of Japanese at the UWI, Mona to spend a semester in Japan.

DISTINGUISHED VISITORS

The Department received the visit of Mrs. Karen Sanchez and Mrs. Sibila Maury from Universidad del Norte, Barranquilla, Colombia on November 2-6, 2010. The visit took place within the framework of the UWI-Colombia Exchange programme. The delegation met with the students who went to Colombia during the summer and with the 2nd and 3rd year-Spanish students. They also met with representatives of the Campus Registrar to discuss a possible extension of the programme.

On February 24, 2011, the Ambassador of Nicaragua, H.E. Mr. David McField, visited the Spanish Club and gave a lecture on “Ruben Darío, Padre del modernismo y maestro de la musicalidad Sonora.”

On March 10, 2011, the Department received the visit of Ms. Naoko Ueno, Lecturer of English at Dokkyo University in Japan.

Major Chevarria from the Jamaica Defence Force visited the Language Lab in April. The JDF is preparing the development of a foreign language programme for its staff. Mr. McCook gave him a tour of the lab and introduced him to the Sanako System installed in Language Lab 2.

On May 16, 2011, Dr. Kasongo Kapata from University of Richmond visited the Department and discussed possible areas of co-operation in French. Dr. Kapata was a member of the Richmond delegation touring the Caribbean and Central America in order to establish cooperation agreements with the University of Richmond, Virginia.

PAPERS PRESENTED

- **Françoise Cévaër.** “Transculturalité, identité et criminalité dans les thrillers de Nick Stone”, Conference Antillanité, Creolite, World Literature//Antillanité, Créolité, Littérature Monde UWI, Cave Hill, October 14-15, 2010.
- _____. “Tradition vodou versus globalisation dans les romans-feuilletons de Gary Victor.” Conference on Caribbean Literature St. Augustine Campus, March 24-26, 2011.
- _____. “Jeu sur la transculturalité dans le roman francophone des Antilles”, (Transcultural Interplay in Francophone Caribbean novels) Annual conference of the CIÉF (Conseil International des Études Françaises), Aix-en- Provence, France, May 29 –June 05, 2011.
- **Marie-José Nzengou-Tayo.** “Prejudices about the Haitian Revolution in the novel of Dominican writer Carlos Deive, *Viento negro, El Bosque del Caiman*.” Seminar presentation, October 8, 2010. Department of History and Archeology.
- _____. “Yanick Lahens: l’écriture comme un scalpel...” (Yanick Lahens: Writing with a Scalpel...). Seminar on Haitian Literature, Santo Domingo, Dominican Republic, March 7-8, 2011.
- **Paulette Ramsay.** “Eco-Feminism and Female Empowerment.” Annual Conference of the University College of the Cayman Islands, March 18-19, 2011.
- **Claudette Williams.** “A Lens of a Different Colour: Gordon K. Lewis, Postmodernity and Cuban Antislavery Narrative” VIIth

PUBLICATIONS

Publication output per capita.

2.4 per capita in the lecturer category and above, not counting Graduate students in Lecturer positions (12 publications: 7 refereed, 5 non-refereed).

Refereed Publications

- * **Marie-José Nzengou-Tayo.** La traduction des textes littéraires antillais: quels enjeux?” In Christine Pagnoulle (ed.). *Sur le fil : traducteurs et éthique, éthiques du traducteur.* Liège: Éditions L3, Université de Liège, 2011, pp. 99-109.
- * _____. “Un pacte avec le Diable : l’écrivain haïtien et la malédiction du pouvoir dans le roman de Gary Victor, *Je sais quand Dieu vient se promener dans mon Jardin.*” In Nadève Ménard. *Écrits d’Haïti*, Paris: Karthala, 2011, pp. 445-459.
- * _____. “From Négritude to Créolité : Francophone Influence in Caribbean Literatures.” Anja Bandau and Marta Zapata Galindo. *El Caribe y sus Diásporas: Cartografías de saberes y prácticas culturales.* Madrid: Editorial Verbum, pp. 200-216.
- * **Paulette Ramsay.** “Much Writing Begets Good Writing:” Some Considerations for Teaching Writing in an Anglophone Creole Context. *Caribbean Curriculum Volume 17.* 2011, pp. 1-78.
- * _____. “Literary and Cultural Confrontations : Cos Causse’s Contemplation of the Convergences and Divergences in the Poetry of Two Black Icons.” *Journal of the University College of the Cayman Islands* .Volume 4, 2010, pp 39-59.
- * **Maite Villoria Nolla.** “Colombia’s Drug Trafficking Subculture: Its literary Representation in *La virgen de los sicarios* y

Rosario Tijeras”, *Caribbean Quarterly*, June 2011, Volume 57, No. 2, pp 75-91.

- * **Claudette Williams.** “Nancy Morejón y la historia de la mujer cubana: La otra cara de la moneda” *Revista Iberoamericana* Vol.LXXVII, Núm. 235, (Abril-Junio 2011) pp. 425-439.

Non-Refereed Publications

- * **Marie-José Nzengou-Tayo.** “Review of *Franco-Théâtres*. Website created by Alvina Ruprecht and hosted by Carleton University. URL: <http://www.carleton.ca/francotheatres/index.html>.” *International Journal of Francophone Studies*. Vol. 13, No. 2, October 2010, p. 327-328.
- * **Paulette Ramsay.** Editorial: “Postcolonial Perspectives: The Place and Politics of Foundation Courses in the University of the Twenty-first Century.” *The UWI Quality Education Forum* No. 17, January 2011, pp. vii-xii.
- * _____. and Joseph Pereira. “Interview of Mr. Joseph Pereira: “Postcolonial Perspectives: Debating the Place and Politics of Foundation Courses for Students in a Postcolonial Context.” *The UWI Quality Education Forum* No. 17, January 2011, pp. 121-128.
- * _____. Review of *Between Two Grammars: Research and Practice for Language learning and Teaching in a Creole – speaking Environment*. Kingston Ian Randle Publishers 194 pp. by Beverley Bryan. *Caribbean Quarterly*, Vol. 57, No 1, 2011, pp 78-82.
- * _____. Review of *Caribe africano en despertar/ Caribbean African Upon Awakening*. By Blas Jimenez. Trans. By Antonio Tilis. London Mango Publishers, 2010.191pp. *College Language Association*, Vol. LIII, No. 4, 2010, pp. 437-471.

INCOME GENERATION

UGC Fund	Income		Expenditure
Sale of Manuals (UGC Fund)	84,695.00		
Commercial Accounts	Income		Expenditure
Fundraising activities for the Inter-Campus Theatre Festival	97,370.00	Expenditures for the Inter-Campus Theatre Festival	257,900.00
Consultation + Other Departmental Fund	122,071.92	Students' Awards and other expenses, Vargas Llosa Exhibition	90,000.00
Rental of Facility and Translation	391,453.48	Salaries	63,552.76
UGC Fund	Income		Expenditure
Services offered in the Language Laboratory		Reimbursement and other expenses	
Summer Courses	578,775.00	Salaries and administrative charges	381,931.00
Total (UGC + Commercial Accounts) \$	1,189,670.40	Total (UGC + Commercial Accounts) \$	793,383,76

PUBLIC SERVICE

Rona Barnett-Passard.

- Member, *Alliance Française de la Jamaïque*.

Françoise Cévaer.

- Member, Jamaica Association of French Teachers.
- Vice-President, *Alliance Française de la Jamaïque*.
- Member, Caribbean Studies Association.
- Member, Latin American Studies Association.

Marie-José Nzengou-Tayo.

- Member, Advisory Board, Haitian Studies Association.
- Member, Jamaica Association of French Teachers.
- Member, Caribbean Studies Association

- Member, Latin American Studies Association.
- Secretary, the International Shotokan Karate Association of Jamaica
- Ex-Officio member, Executive Committee of the *Alliance Française de la Jamaïque*
- Peer Reviewer, *Journal of Haitian Studies*, *MaComère*, *Caribbean Quarterly*, *Callaloo*, *Palimpsestes*, *Alternative Francophone*, *Small Axe*.

Paulette Ramsay.

- Peer Reviewer, *Palara*, *Caribbean Journal of Education*, *Hispanic Journal*, *Dissidences: Journal of Cuban Exile Writing*, *Journal of Education and Development in the Caribbean*, *Hispania*.
- Asst. Chief examiner, CAPE Spanish, Caribbean Examinations Council.

Maite Villoria Nolla

- Peer Reviewer, *Journal of Humanities*

Claudette Williams

- UWI Representative, Board of the Edna Manley College.
- Peer reviewer, *Afro-Hispanic Review*, *Hispania*, *Caribbean Quarterly*, *Journal of Education and Development in the Caribbean*, *Caribbean Curriculum*.
- Subject Consultant, UCJ Accreditation (Shortwood Teachers College)

CATEGORIES OF STUDENTS

Undergraduate

Registration **1578**

Preliminary Courses

French	163
Portuguese	40
Spanish	391

Hospitality & Tourism Management

French	9
Spanish	74

Non-BA Programme

Chinese	49
Japanese	136

BA Programme

French	201
Spanish	535

Graduating Students 18

French & Spanish Majors	5
Spanish Major, French Minor	7
Spanish Majors	6

First Class Honours:

Antwain Williams (French and Spanish)

Kerry-Kay Léon (Spanish)

Stephanie-Kay Chambers-Anderson (Spanish)

POSTGRADUATE

Degree awarded: **Lindy Jones**, PhD in Spanish

Lisa Downie, MA in Translation Studies (French)

Donna Henry, MA in Translation Studies (Spanish)

Jewel Williams, MA in Translation Studies (French)

Registration:	7
MPhil French	2
MPhil Spanish	1 (on-leave)
MPhil French/Spanish	1
PhD French	1
PhD French/Spanish	1
MA Translation Studies	1 (Spanish)

PRIZES AWARDED

French

Level I William Mailer Prize: **Trudy Paule Khan**

Level II Prix Jambec: **Antwain Williams**

Level III Prix Gertrud Buscher: **Sanikia Powell**

Level III French Embassy Prize for overall achievement over the three years: **Gina Thompson**

William Mailer Scholarship: **Not awarded**

Bridget Jones Memorial Award: **Not Awarded**

Bridget Jones and William Mailer Trust: **Trudy-Paule Khan
Kerry-Kay Leon
Glenroy Smith
Tamara Taylor
Adrian Lindsay
Kamala Copeland
Danielle Smith**

Spanish

Gabriel Coulthard Prize: **Antwain Williams**

Paul Davis Prize: **Trudi-Rae Goodison**

Kemlin Laurence Prize: **Trudi-Rae Goodison**

SCHOOL OF EDUCATION



**Professor Zellynne
Jennings-Craig – Director**



**Rose Davies, CD, PhD
Head, Institute of Education**



**Beverley Bryan, BA, MA, PhD
Head, Department of
Educational Studies**

WORK OF THE SCHOOL

During the course of this year a great deal of time and effort was spent on planning for the restructuring of the School by August 1, 2011 as well as for the Biennial Conference on Education. This took place on June 15-17, 2011 at the Sunset Jamaica Grande Resort and Spa, Ocho Rios. The keynote speaker was Dr. Didacus Jules, Registrar and Chief Executive Officer of the Caribbean Examinations Council (CXC) and he presented on the conference theme, “Making a Difference Through Education: Purpose, Policy and Practice.” The conference was well supported by over 150 participants from North America, Europe and the Caribbean.

Included in the 80 presentations was a Round Table discussion by graduate students on Violence in Schools.

Research day activities featured the Grace/UWI Agriculture Schools' Challenge Quiz, as culmination activity to the Grace/UWI Agricultural Competition. The challengers were: Papine High, Ardenne High and Oberlin High. Prizes for winning teams in various sections were: weekend stay at Breezes Trelawny for the teachers and participants; drip irrigation system; desk computer. Other features included on display was work done over the past year in pilot schools and the presentation of research findings on the changing attitudes to Agricultural Science displayed by students who participated in the project.

A function to recognize the 35th anniversary of the *Caribbean Journal of Education*, and its accompanying anniversary issue was incorporated into Research Day. At the same time, Hyacinth Evans, Professor Emerita, was honoured for her input as editor of the journal from 2002 to 2009.

The SMIT Centre in keeping with its mandate hosted its annual Grade 9 Mathematics Problem-Solving Competition on April 14, 2011. Thirty-eight schools from across the island participated. The top five teams that emerged in the playoff were: Champion College, Cornwall College, St. George's College, St. Mary High School and Merl Grove High School. The day culminated with the distribution of awards and trophies.

The University of the West Indies collaborated with Johns Hopkins University in Baltimore, USA to expose Jamaican students to the Summer Programme of Johns Hopkins' Centre for Talented Youth (CTY). Through the Department of Educational Studies the SAT test was conducted on April 30 with 74 hopefuls from traditional High schools, Upgraded High schools and Primary and Junior High schools. Three all-expense paid scholarships were awarded to: Joselle Dixon (Wolmer's Girls' School); Cherise Davison (Champion College); Odane Dawkins (Glenmuir High School). Summer classes were held between July 17 and August 5, 2011.

A delegation from Bermuda Ministry of Education, led by Dame Jennifer Smith, Minister of Education, Warren Jones, Permanent Secretary, Dr

Duranda Greene, President of the Bermuda College and Kimberley McKrain, Policy Analyst, held discussions with members of the School on programmes offered in the School that could be accessed in Bermuda.

Two new books were launched in January - *Between Two Grammars: Research and Practice for Language Learning and Teaching in a creole-speaking environment* by Dr Beverley Bryan and *Jamaican Gold, Jamaican Sprinters*, by Vilma Charlton and Rachael Irving. *The Caribbean Journal of Education* won the award for the Best Academic Journal (for the period 2008-2010) at the Book Industry Association of Jamaica's biennial award function held in April 2011.

The School of Education won the bid to write the curriculum for the Alternative Secondary Transition Education Programme.

TEACHING AND LEARNING

Undergraduates (online programmes):

In the Department of Educational Studies for 2010-11, 280 students enrolled in the BEd. Online programmes. The programmes with the largest intake were Literacy Studies (142) and English (74). 122 online students graduated, broken down as follows: 40 obtained first class honours, 49 upper second, 27 lower second, and six obtained pass degrees.

Undergraduates (face to face)

In the BEd face-to-face programmes, 228 students were accepted to read for their degrees in 2010-11. The programmes with the largest intake were Literacy Studies (70), English (37), and History (31). 135 Education students graduated in November 2010. Of these, 18 obtained first class honours, 51 upper second, 59 lower second and seven students obtained pass degrees.

In the Non-UGC Affiliated programmes there were 139 students: Shortwood Teachers College (66); Bethlehem Moravian College (19); and Moneague College (54).

Postgraduates

Admission MEd face-to-face programme	142
Mathematics Education	14
Language Education	13
Curriculum Development	20
Teacher Education & Teacher Development	24
Educational Administration	21
Educational Measurement	28
Literacy Studies	22
Number of applicants accepted in the MAT programme	67
TOTAL ADMISSION	998

Graduates for November 2010

MEd programmes	105
PhD programmes	2
Master of Arts in Teaching:	
MAT Part 2 (degree)	2
MAT Part 1 (Postgraduate Diploma in Education)	35

MEd Summer and Online Programme (Composite by Options)

OPTIONS	Total
MA Teacher Education and Teacher Development	24
MA Higher Education:	
Student Personnel Administration	9
MEd Leadership in Early Childhood Development	15
MEd Educational Measurement	21
MEd Educational Administration	25
Total	94
TOTAL GRADUATED	238

RESEARCH AND INNOVATION

Awards

Dr. Moses Peart was awarded the Prime Minister's Medal of Appreciation for Service to Education.

Dr. Carol Gentles was a recipient of the UWI and Guardian Life Awards, which recognized outstanding teaching accomplishments of the UWI's academic staff who received exceptionally high ratings in their teaching evaluation over three years. The ceremony was held at Guardian Life Headquarters on October 14, 2010.

Dr. Marceline Collins-Figueroa's publication, *Infusing Biodiversity into Teacher Education* was selected for the Research Day award of the Research Project with the Greatest Business/Economic/Development Impact in the Faculty of Humanities and Education.

QUALITY ASSURANCE

A Quality Assurance Review of the Department of Educational Studies (DES) was conducted in February 2011, by a team led by Professor Ratna Ghosh, Professor June George from St Augustine and Mr. Michael Stewart, past President of the JTA.

A major achievement of the IOE/JBTE, working collaboratively with the Ministry of Education and Teachers Colleges, was the completion of all courses required for the first offer of the new four-year Bachelor's degree programme being introduced into teachers colleges. **Drs. Marcia Stewart** and **Rose Davies** provided leadership as the designated chairs respectively, of the Programme Development and the Transition Implementation sub-committee/working groups of the Transition Steering Committee of the Ministry of Education.

Activities in the Eastern Caribbean

The Joint Board of Teacher Education (JBTE), Mona continued to collaborate with JBTE, Cave Hill in areas for which Cave Hill did not have

staff. **Dr. Rose Davies** and her Early Childhood team, and **Dr. O'Neal Mundle** provided quality assurance support for the Associate Degrees in Early Childhood and in Music respectively, being offered by the Antigua State College as a joint JBTE, Mona and JBTE, Cave Hill credential.

Activities in the Western Caribbean

Dr. Clement Lambert, Mrs. Vileitha Davis-Morrison and Ms. Vilma Charlton were invited to Belize in November/December, 2010 to provide leadership to the teaching practicum exercise for final year students from six Belize teacher education institutions. Each person led teams in different regions of the country and the assessment included students of early childhood, primary and secondary education programmes.

Drs. Carol Gentles and O'Neal Mundle visited the Cayman Islands in March, 2011 to lead teams of external examiners conducting the final year teaching practicum exercise of the University College of the Cayman Islands (UCCI).

Dr. Mairette Newman served as team leader of the external examiners panel of the Turks and Caicos Islands during March, 2011.

Dr. Marcia Stewart, the JBTE representative on the CARICOM Taskforce on Teacher Education, attended meetings in September and December 2010. Dr. Stewart leads the Taskforce Working Group which has responsibility for developing regional standards for teacher education programmes and a qualifications framework for teacher credentials.

INTERNATIONAL PARTNERSHIPS

A team of lecturers from the University of Reading paid a 4-day visit to the Mona Campus as a continuation of its MOU with the SOE. The main activities included 174 teachers in the field of Mathematics and Science attending two simultaneous Mathematics and Science Workshops run by Dr. Geoff Tennant and Ms. Deb Heighes. Further workshops were held at Shortwood Teachers' Colleges to include colleagues from Moneague, Church and Bethlehem Teachers Colleges. A Cocktail Reception was put

on by the British High Commissioner to expose interested parties to the goals and activities of this five year collegial agreement between SOE and the University of Reading.

The School hosted a Grade Six Achievement Test Technical Review meeting in collaboration with the Ministry of Education. Those attending included the Minister of Education, the Permanent Secretary, the Chief Education Officer, and representatives of the Association of Principals and VPs and the Association of Secondary School Principals and the Jamaica Teachers Association. On September 24, 2010, the Agricultural Science Syllabus Review Workshop hosted by the SMIT Centre, in collaboration with CXC was held. On September 23, 2010, the UWI/UNESCO-UNEVOC workshop on Technical Vocational Education and Training and Workforce Development was held at the Mona Visitors Lodge. Guest presenter was UNESCO Caribbean Education Chair, Mr. Robert Parua. Another collaboration with UNESCO Kingston Cluster office for the Caribbean resulted in a 3-day (October 26-28, 2010) capacity building workshop in ESD Monitoring and Evaluation Framework for Sustainable Development for experts and educators from the English and Dutch Speaking Caribbean countries. The workshop was designed to raise awareness among stakeholders of the background and objectives of ESD and the Global framework for Action on United Nations Decade in Education for Sustainable Development.

PAPERS PRESENTED

- **Bryan, Beverley** (2011). "Research Perspectives in Language and Literacy," MICO University College, May 3, 2011.
- **Charlton, Vilma**. (2010). "The Involvement of the Olympian Association of Jamaica in Local Projects Over the Last Two Years," World Olympians Association Conference, December 1-4, 2010, Fort Myers, Florida.
- Charlton, Vilma (2010). "The Leadership Role of Women in our Local Association, JAAA". NACAC Seminar, Women Leaders in Athletics, Miami, Florida, 2011.

Collins-Figueroa, Marceline

- “Mainstreaming Environment and Sustainability in Caribbean Universities (MESCA) Partnership Programme”, Global Universities Partnership on Environment and Sustainability (GUPES) Consultative Meeting, Nairobi, Kenya, November, 18-19, 2010.
- “Decade of Education for Sustainable Development (DESD) Monitoring and Evaluation Indicators”, Regional workshop on Assessing progress and developing capacity in the Caribbean Region Port of Spain, Trinidad and Tobago, April 28-29, 2011.
- “An Analysis of multidisciplinary initiatives in biodiversity across a teacher education system”. Sixth World Environmental Education Congress, Brisbane, Australia, July, 19-23, 2011.

Davies, Rose

- “School Leadership & Teacher Qualifications: Exploring Links to Student Achievement in the Primary Grades”. Senior Policy Advisory Group, Ministry of Education, Jamaica (October 5, 2010);
- “Teaching for Social Transformation”. Conference on Social Transformation, Jamaican Theological Seminary. March 11, 2011.
- “Training Early Childhood Practitioners in Jamaica: Current Status, Goals and Initiatives”. Tropical Medicine Research Institute (TMRI) Dissemination Meeting, Mona Visitors Lodge, March 16, 2011.
- “Meeting the Challenges of Quality Early Education and Development”. Conference on Education for CARICOM Countries, Hilton Rose Hall Resort and Spa, Montego Bay. May 24-25, 2011.

- “Advancing the Early Childhood Agenda in the Caribbean: The Challenges and the Prospects”. Conference on the theme *Mind, Brain and Education*. School of Education, UWI, Cave Hill Campus, Barbados. July 18-22, 2011.
- “Graduates’ Perceptions of the Relevance and Usefulness of the MEd Leadership in Early Childhood Development Programme”. School of Education Biennial Conference, June 15-17, 2011, Sunset Jamaica Grande Resort and Spa, Ocho Rios.

Davis-Morrison, Vileitha

- “The Life Skills Approach: Re-examining Pedagogy”. Shortwood Teachers’ College Annual Research Day Conference; Research Matters: Enhancing Student Achievement Social Values and Attitudes through Strategic School Leadership. April 7, 2011.
- “Addressing Teacher Challenges in the Delivery of Health and Family Life Education”. Regional Technical Meeting on Teacher Preparation for Sexuality Education, Regional HFLE Working Group, St. Lucia. August 11-14, 2010.
- “Learning Citizenship Knowledge, Values and Skills: The Students’ Perspective”. Sixth International Conference on Civic Education, Orlando, Florida, Hilton Walt Disney World. November 11-13, 2010.

Down, Lorna

- “Reorienting Teacher Education for Climate Change Education for Sustainable Development”. UNESCO Climate Change Education for Sustainable Development Regional Workshop, Tortola, BVI. June 20-22, 2011.
- “Reflection on ESD in the Caribbean Region, Progress and Challenges”. Cropper Foundation Regional Workshop, Trinidad. April 28-29, 2011.

- ‘Interrogating Notions of Development and Sustainability in Donna Hemans, “River Woman”.’ SALISES Conference. March 23-25, 2011.
- “The Concept of Education for Sustainable Development, and Strategies for Infusion of ESD”. UNESCO ESD Teacher Educators’ Workshop, Jamaica. November 24, 2010.
- “Developing a Pedagogy of Teacher Education for Sustainability”, International Conference, Lahore, Pakistan, September 20-21, 2010.

Griffith, Stafford

- “Centering assessment for Learning in the Education System: Towards a New Pedagogy for the Caribbean”. Biennial Conference on Education, Sunset Jamaica Grande. June 15-17, 2011.
- “A CARICOM Perspective in Literacy Education: The accomplishments of the Caribbean Centre of Excellence for Teacher Training (CETT) Project”. International Conference on Education for CARICOM Countries, The Rose Hall Hilton Resort and Spa, Montego Bay, Jamaica, May 24-25, pp. 20.

Hordatt Gentles, Carol

- “Graduate Students’ Perceptions of a Quality Learning Experience”. SOE Biennial Conference. Ocho Rios, Jamaica. June 15-17, 2011.
- “Collaboration: An Exploration of the Role of Education Ministries in Teacher Training Institutions”, University College of the Cayman Islands, March 2011.
- “The Ethical and Methodological Dilemmas of a Not-so-Native Ethnographer”. TQR. Second Annual Research Conference. NSU. Florida.

- “The Importance of Professional Development to Teachers”. Decarteret College Faculty. March, 2011.

Hutton, Disraeli

- “Profile of the High Performing Principals: The Revelations of the Jamaican School System”, UCCI Conference, Cayman Islands, March 17-18, 2011.

Joong, Peter

- Joong, P, Cook, L (2011) “Secondary reform in six countries” AERA conference, April 7-12, 2011, New Orleans.

Lambert, Clement

- “The School Library: Facilitating Multi-literacies within the Context of a Caribbean Teacher Education Framework”. 40th Annual Conference of the International Association of School Librarianship (IASL) August 9, 2011. UWI (Mona).
- “Making Literature more than a Reading Subject, Literature as Performance”. Master of Arts in Teaching Conference, UWI, May 10, 2011.

Morris, Halden

- “Will Technical and Vocational Education and Training (TVET) Guarantee Economic Development of Caribbean Islands?” School of Education Biennial Conference. Sunset Jamaica Grande Resort, June 15-17, 2011.

Mundle, O’Neal

- “Characteristics of Public School Music Teachers”. Consultation for the Introduction of the Graduate Program in Music Education, School of Education, UWI, Mona, January 2011.

Newman, Mairette

- “Towards an Understanding of Ethical Dilemmas Facing Jamaican High School Principals”. UCCI International Conference, Grand Cayman, Cayman Islands, March 18, 2011.

Peart, Moses

- “Intellectual Property Protection”, Consultation sponsored by Excelsior Community College, in partnership with the CCCJ and JTA. June, 2011.
- “Designing Professional Development Programmes and Courses”. Workshop series with senior members of staff of the College of The Turks & Caicos Islands, W.I., 2010.

Joint Papers Presented

- Down, L. **Collins-Figueroa, M.**, Hordatt- Gentes, C. (2011). “Changing Institutional Cultures through Education for Sustainable Development”, School of Education Biennial Conference, Ocho Rios, Jamaica, June 15-17, 2011.
- Hordatt-Gentes, C., Newman, **M.**, **Collins-Figueroa, M.**, Down, L. (2011). “Concepts of professionalism among beginning teachers in Jamaica”, School of Education Biennial Conference, Jamaica, June 15-17, 2011.
- Hordatt-Gentes, C., Down, L., Newman, **M.**, **Collins-Figueroa, M.** (2011) “Changing Concepts of Professionalism among Beginning Teachers in Jamaica”, ICET World Assembly, Glasgow, July 11-14, 2011.
- Williams, R., **Collins-Figueroa, M.**, Down, D. (2011). “Initiating a regional movement for Environment and Sustainability in Caribbean Universities: MESCA – Phase 1”. Sixth World Environmental Education Congress, Brisbane, Australia, July, 19-23, 2011.
- Jennings-Craig, Z., Griffith, S. Anderson, S., **Hordatt Gentes, C.**, Hernandez, J. An Overview of the Current Status of Secondary Education in the Region. Twenty-Third Biennial Conference of the Caribbean Association of Principals of Secondary Schools. Jamaica Grande Hotel, Ocho Rios. July 17-23 2001.

- Hordatt Gentles C. with Dr. Mairette Newman. “The Nature of Qualitative Research”. Faculty of Engineering and Computer Science. University of Technology, Jamaica. January, 2011.
- **Jennings-Craig, Z**, Anderson, S, Cook, L, Hutton, D (2011) ‘Interventions to address absenteeism in Jamaican primary schools.’ American Educational Research Association (AERA) conference in New Orleans on April 7-12, 2011.
- **Jennings-Craig, Z**, Anderson, S, Hernandez, J, Gentles, C, Hutton, D (2011). ‘An Overview of the Current Status of Secondary Education in the Region’ Twenty Third Biennial Conference of the Caribbean Association of Principals of Secondary Schools held at the Jamaica Grande Hotel, Ocho Rios. July 17-23 2011.

PUBLICATIONS

Books

- * **Bryan, B.** (2011) Between Two Grammars, Ian Randle Publishers
- * **Charlton, V.**, Irving, R. (Eds) (2011) Jamaican Gold, Jamaican Sprinters, University Press, Jamaica.

Chapters in Book

- * Pitsiladis Y P; Irving R; **Charlton V.**, & Scott R (2010). ‘White’ Men Can’t Run: Where is the Scientific Evidence? The Anthropology of Sport and Human Movement: A Biocultural Perspective. Edited by Robert R. Sands and Linda R. Sands. Lexington Books.
- * Davis-Morrison V., Holung, J (2011) Ending the Silence in Teacher Education: The Case of Jamaican Teachers’ Colleges. in Challenges in HIV and AIDS: New Role for Caribbean

Education ed. Michael Morrissey. Ian Randle UNESCO 2011. Chapter 14, pp. 211-222.

- * **Down, L.** (2011) 'Flying inna massa face', Woman, Nature and Sacred Rites/Rights in Marie-Elena John's Unburnable' in A. Oboe & S. Bassi eds.
- * **Down, L.** (2011). Experiences of Freedom in Postcolonial Literatures and Cultures Oxford: Routledge.
- * **Down, L.** (2011). 'Beyond boundaries: implementing education for sustainable development in language arts' in M. Witthaus, K. McCandless and R. Lambert (Eds.), Tomorrow Today (pp.99-102). Paris: Tudor Rose/UNESCO

Abstracts

- * Morrison E, Irving R, **Charlton V**, Pitsiladis Y, The Anatomy of Athletic Prowess: A Jamaican perspective. World University Games, China, 2011.
- * Fuku N, Scott R, Mikami E, Wang G, Deason M, Irwin L, Irving R, **Charlton V**, Morrison E, Austin K, Tiladi D, Headley S, Kolkhorst F, Boit M, Onywera V, Yamada Y, Tenaka M, Pitsiladis Y. Analysis of Multiple associated genetic polymorphisms in sprint and endurance running world record holders. *Med Sci Sp & Exer* 2010; 42(5): 2918.
- * Scott A, Irving R, Irwin L, Morrison E, **Charlton V**, Austin A, Headley S, Kolkhorst F, Pitsiladis Y. Angiotensin-I Converting Enzyme Polymorphism In Elite Jamaican and USA Sprinters. *Med Sci Sp & Exer* 2009; 41(5): 1068.
- * Irving R, Scott R, Irwin L, Morrison E, **Charlton V**, Austin A, Headley S, Kolkhorst F, Pitsiladis Y. The ACTN3 R577X Polymorphism in Elite Jamaican and USA Sprinters. *Med Sci Sp & Exer* 2009; 41(5): 1067.

Refereed Journal Articles

- * Scott R, Irving R, Irwin L, Morrison E, **Charlton V**, Austin K, Tladi D, Headley A, Kolkhorst F, Yang N, North K, Pitsiladis P. ACTN3 and Ace genotypes in elite Jamaican and US sprinters. *Med Sci Sp Exer* 2010; 42(1): 107-15.
- * Deason M, Robert S, Irwin L, Macaulay V, Fuku N, Tanaka M, **Charlton V**, Morrison E, Austin K, Irving R, Pitsiladis Y, Importance of mitochondrial haplotypes in sprint performance amongst individuals of West Indies Ancestry, Scandinavian *Journal of Medicine and Science in Sports*, 2011.
- * **Down, L.** (2011) 'Education for Sustainable Development – Latest Buzzword or a Paradigmatic Shift in Education'. *Caribbean Journal of Education for Sustainable Development*, (Online) vol 1, no.1, pp8-16.
- * **Down, L.** (2010) 'Teaching and learning in, with and for community: Towards a pedagogy for education for sustainable development. *Southern African Journal of Environmental Education*, vol.27, pp 58-70.
- * **Griffith, S. A.** (2011). Developing an instrument and procedures for the assessment of practice teaching: The experience of a Caribbean teacher education board. *Institute of Education Publication Series*, 7, 21-34.
- * **Griffith, S.A.** (2010). The need for a broader view of student readiness for transition to secondary education: An analysis of performance in the Grade Six Achievement Test. *Caribbean Journal of Education*, 31(2), 258-280.
- * **Hordatt Gentles, C.** (2011). The External Examiner in a Context of Strengthened Quality Assurance. In Stewart, M. (Ed.). *Quality Assurance in Caribbean Teacher Education Institutions. Issues and Perspectives. Institute of Education Publication Series. Vol. 7. UWI. Mona.*

- * **Lambert, C.** (2011) Literacy Perspectives in the Caribbean: Imperatives for Research and Practice. *Caribbean Journal of Education* Anniversary Edition.
- * **Morris, H** (2011) Will Technical and Vocational Education and Training (TVET) Guarantee Economic Development of Caribbean Islands? *Caribbean Education Research Journal (CERJ)*. Vol. 2 Number 1.
- * **Morris, H** (2011). Energy Efficiency and Conservation: Some Lessons from Initiatives at UWI, Mona, *Business Review*, Vol. 1, Issue 2, Feb/Mar 2011, Mona School of Business.
- * Barrett, S. & **Newman, M.** (2010) “ICT-based learning among adult learners in non-formal programmes: Challenges and Strategies” *Journal of Education and Development in the Caribbean* 11, (2), 34-59.

Non-refereed Publications

- * **Down, L.** (2011) Case Study ‘Literature and Education for Sustainable Development’ in Daniella Tillbury ed. *Education for Sustainable Development: An Expert Review of Processes and Learning* UNESCO
- * *Griffith, S.A.* (2011). Jamaican Students doing well in CSEC subjects that prepare for employment and meaningful life. *The Caribbean Examiner* (9) 1, 28-29.

Other Peer-Reviewed Publications

Conference Proceedings

- * **Down, L.,** (2010). ‘Developing a Pedagogy of Teacher Education for Sustainability’, International Conference, Lahore, Pakistan, September 20-21.
- * **Hordatt-Gentles, C., Down, L., Newman, M., Collins-Figueroa, M.** (2011) ‘Changing Concepts of Professionalism

among Beginning Teachers in Jamaica’, ICET World Assembly, Glasgow, July 11-14, 2011

- * **Newman, M.** (2011). Towards an Understanding of Ethical Dilemmas Facing Jamaican Principals: Initial Findings. *Proceedings of the 2011 Conference on Leadership, Governance and Empowerment in the Caribbean*. University College of the Cayman Islands
- * **Hordatt Gentles, C., Down, L., Collins-Figueroa, M., & Newman, M.** (2011) Changing Concepts of Professionalism among Beginning Teachers in Jamaica. *Proceedings of the World Assembly 2011 International Council on Education for Teaching Conference, Glasgow, Scotland*.

Technical Reports

- * **Down, L., Collins-Figueroa, M., Hordatt-Gentles, C.,** (2011). Education for Sustainable Development (ESD) Project Report pp1-8.
- * **Griffith, S. A. & Jennings-Craig, Z.** (2010). Study of a Proposed Regional Primary School Exit Examination to be developed by the Caribbean Examinations Council, pp. 159.
- * **Jennings-Craig, Z.** (2011). Alternative Secondary Transition Education Programme (ASTEP): report on workshop held on June 21 2011 at the Mona Visitors Lodge and Conference Centre, UWI, Mona. pp32
- * **Peart, M.** (2011). Career Advancement Programme Design: Final Report of the programme designed for Jamaican high schools. A project of the Ministry of Education, Jamaica (2010-2011).
- * **Peart, M.** (2010). Benchmarking of Caribbean Examinations Council (CXC) TVET Products: A Comparative Assessment. A CXC publication, 2010.

- * **Peart, M.** (2010). The Master Teachers Programme in Jamaica. A Report on the status and development of the programme during the period 1999-2010. Ministry of Education, Jamaica.

INCOME GENERATION

Caribbean Poetry Project	-	£40,000. 00
Alternative Secondary Transition Education Programme	-	US\$25,000.00

PUBLIC SERVICE

Dr. Lorna Down

- IOE’s representative on the Advisory Committee for the Prime Minister’s Medal of Appreciation for Service to Education Award

Professor Stafford Griffith

- Consultant, Eugene Dupuch Law School (The Bahamas)
- Chairman/Leader, Technical Advisory Committee, Caribbean Examinations Council
- Chairman, National Examinations Appeal Committee.

Prof. Zellynne Jennings-Craig

- Member National Council on Education
- Member Senior Policy Making Group, MOE
- Chair, UCJ Board for Teacher Education
- Council Member, United Nations University

Dr. Clement Lambert

- Director, Jamaica Library Service Board; Member,
- Steering Committee Literacy Assessment and Monitoring Project (LAMP)

Ms. Schontal Moore

- Assistant Chief Examiner, CAPE Literatures in English
- Judge, Michael Manley Essay Competition

Dr. Halden Morris

- Chief Examiner and Member of Panel, CXC (CAPE), Electrical & Electronics Technology
- Member, Board of Directors of ICT4D Jamaica
- Member, Board of Directors, Vocational Training Development Institute (VTDI)
- Member, Board of the Jamaica Section of the Institute of Electrical and Electronics Engineers

Dr. O'Neal Mundle

- Adjudicator, Judging music festival competitions
- Board Member, St Catherine High School
- Board Member, Edna Manley College of the Visual and Performing Arts

FACULTY OF MEDICAL
SCIENCES

MONA

Year ending July 31, 2011



**Professor Archibald McDonald, MBBS, DM (Surg) *UWI*,
FRCSEd, FACS – Dean**

Overview

During the year under review, the Faculty of Medical Sciences continued to place emphasis on managing the increased student enrolment to ensure that the quality of its programmes is not compromised. The School of Medical Radiation Technology (SMRT) was transferred from the University Hospital of the West Indies to the Faculty of Medical Sciences. SMRT offers the BSc. in Diagnostic Imaging and a number of short certificate courses. This is strategically important as it gives the FMS the capability to offer training in radiation therapists and nuclear medicine technicians. This is not currently available in the English speaking Caribbean. The Doctor of Dental Surgery programme (DDS) commenced. A Programme Director was appointed for this programme and much effort was invested in ensuring that the programme is comparable to the best available anywhere. The curriculum is being strengthened and facilities are being put in place for clinical training. Work to establish a state of the art dental skills laboratory in the new Basic Medical Sciences Complex is progressing well. Due to the intervention of the Ministry of Health, the Nursing Council of Jamaica increased the number of students permitted to enter the Undergraduate Nursing Programme from 50 to 150.

The philosophy of the MB BS curriculum as well as that of other clinical programmes offered by the Faculty is small group teaching. In order to ensure compliance with this, the Faculty continued to expand the number of clinical training sites and upgrade its information technology infrastructure. Equivalence across remote training sites is dependent on technology such as video-conferencing. Under the Memorandum of

Understanding with the Ministry of Health, clinical training is now firmly established in five government hospitals. Student facilities have been established to ensure that our students have access to facilities similar to that which exist at the University Hospital of the West Indies. Seminar rooms, electronic library with full access to UWI library network, leisure areas and administrative offices with an administrative assistant were established at each remote site. The Faculty provides students with transportation to and from remote sites. Students doing clinical rotations in Montego Bay and Mandeville are provided with accommodation.

The refurbishment of the Departments of Pathology and Microbiology was completed and efforts to make these departments more efficient and self-sufficient were intensified. Approval was obtained for the installation of a Laboratory Information System and this should be achieved during academic year 2011/2012. This will improve the efficiency of operations in the laboratories and also enhance patient care, teaching and research.

The new Basic Medical Sciences Complex will be completed and commissioned in academic year 2011/2012. This complex will house the Sections of anatomy, Physiology, Pharmacology, Biochemistry, Physical Therapy and the School of Dentistry. The building also houses many research laboratories including CARIGEN and Forensic Sciences including Toxicology. This complex will enhance our teaching and research by providing state of the art facilities and equipment.

The expansion of the Faculty has challenged us to be innovative in our search for cost effective solutions to numerous problems. The support from the Mona Campus has been good but more work is needed to ensure that the achievements of recent years are sustainable. There is need for support departments to be more responsive to the changes in the Faculty and be willing to change and modernize their administrative processes. The emphasis in recruitment of students must now shift from the Caribbean to outside the region. This will require administrative departments to react more speedily to resolve problems and to be willing to implement innovative solutions without compromising the high standards established by The University of the West Indies.

Despite the expansion we continue to provide excellent graduates and our students have maintained the high standards for which the FMS is well known. This is evidenced by the 93 percent pass rate in the MB BS Programme during the year which was the highest ever achieved by Faculty; all subject prizes were won by the Mona Campus.

The Business plan to upgrade the UHWI and restore it to its former position as the leading health care institution in the Caribbean was completed but not implemented. This has to be a priority over the new few years especially as the strategic focus shifts to internationalization of the medical school and Faculty.

Student Enrollment and Access

Table 1 below compares undergraduate enrolment for the academic year 2010/2011 with the previous year and shows a 6 percent increase.

Student Enrolment in the Faculty of Medical Sciences 2010/2011

Programme	Majors and Minors	No. of Students 2010/2011	No. of Students 2009/2010
BBMedSci	Anatomy	5	5
	Biochemistry	–	1
	Pharmacology	51	43
	Physiology	7	4
	Year 1 students	53	32
	Subtotal	116	85
BSc	Nursing (Post RN)	16	11
	Nursing (generic)	814	817
	Online delivery	196	366
	Physical Therapy	140	118
	Diagnostic Imaging	79	77
	Subtotal	1245	1389

DDS	Doctor of Dental Surgeon	35	–
MBBS	Bachelor of Medicine & Surgery	1038	909
	Total	2434	2298

STUDENT ACHIEVEMENTS

Undergraduate Programme 2010/11

MBBS:

- Dean's List: 65 students
- Honour society: 9 students
- Outstanding Graduands: 3 students

Nursing:

- Dean's List: 6 students
- Honor Society: 2 students
- Outstanding Graduands: 3 students

Physical Therapy:

- Dean's List: 3 students
- Honor Society: 3 students
- Outstanding Graduands: 3 students

BBMedSci:

- Dean's List: 14 students
- Honor Society: 5 students
- Outstanding Graduands: 2 students

Diagnostic Imaging:

- Dean's List: 22 students
- Honor Society: 4 students
- Outstanding Graduands: 2 students

The Faculty graduated Undergraduate students in the Academic Year 2010/2011:

MB, BS	138
BSc Nursing (generic)	139 (MONA), 32 (BTCC), 26 (KNOX), 48 (EXED)
BSc Nursing (Post RN)	76
BSc Physical Therapy	26
BBMedsci	17
BSc Diagnostic Imaging (Radiography)	21

MBBS Examination Results

The MBBS Examination for academic year 2010/11

	Pass	Honours	Distinction	Fail/FA
Medicine (MDSC553)	102	9	–	1/1
Surgery (MDSC555)	97	5	1	3/1
Obstetrics & Gynaecology (5554)	87	6	8	4

Prizes/Medals Awarded

The following students were awarded prizes in the final MB BS examinations for Academic Year 2010/11

Medals

Overall Clinical Medal:	–	Ankita Kulkarni
Medicine and Therapeutics Subject Medal:	–	Ankita KulKarni
Surgery Subject Medal	–	Ankita Kulkarni
Obstetrics and Gynaecology Subject Medal:	–	Donna Cheung
Pathology/Microbiology Medal	–	Katherine Innis

Prizes/Bursaries

Professor Owen Morgan Prize in Medicine and Therapeutics	–	Ankita Kulkarni Kurt Gabriel
Allenbury Prize in Medicine	–	Giselle Stevens
The Dr. John Hall Book Prize	–	Caryl Bailey Kiri-Ann Bridgewater Charlton Collie Kristen Cowan Kurt Gabriel Jahnavi Kakuturu Ankita Kulkarni Tounesha La Rosa Peyton Lawrence Vinnette Pearson Yonique Petgrave Gisselle Stevens Joy-Ann Tabanor Nastassia Tate
Dr. Aubrey McFarlane Bursary	–	Ankita Kulkarni
Sir Harry Annmunthodo Prize in Surgery	–	Ankita Kulkarni
Medical Association of Jamaican Insurance Fund Prize in Obstetrics and Gynaecology	–	Donna Cheung
Professor Lois Grant Book Prize	–	Katherine Innis
Professor S. Brooks Memorial Prize	–	Katherine Innis

Prizes Awarded BSc Physical Therapy Students, 2010/11

Overall clinical prize	–	Kira Nunes
Final professional examination prize (practical)	–	Sertina Mcgregor
Final professional examination prize (theory)	–	Aneta Findley
Rehabilitation 1 prize	–	Trevor Samaroo
Rehabilitation 2 prize	–	Aneta Findley
Rehabilitation 3 prize	–	Kira Nunes
Anatomy	–	Trevor Samaroo

Research

Capacity building continued through the work of the Research Resource Centre and the Clinical Fellowships established with the TMRI. The year saw an increase in the number of publications and the per capita publication rate of 1.4. However this remains below the 2 targeted by the Faculty. Despite excellent work by a number of staff members, some are underperforming. The Faculty is committed to resolving this issue and further measures will be introduced next year to address this.

Table 3**Publications per Department**

Department	Publications 2009/2010	Publications 2010/2011	Conference Presentations 2009/2010	Conference Presentations 2009/2011
UWI School of Nursing	5	1	10	9
Basic Medical Sciences	39	41	36	26
Community Health & Psychiatry	34	41	39	33
Medicine	24	20	31	52
Obstetrics, Gynaecology & Child Health (2009/2010)	35	19	10	20
Child & Adolescent Health		22		33
Pathology	13	28	22	35
Microbiology	11	12	–	22
Surgery, radiology, Anaesthesia & Intensive Care	38	37	51	66
TMRU/Sickle Cell Unit	48	46	–	–
TOTAL	236	266	199	228

Research Awards

At the Principals annual awards ceremony, three papers were awarded “**Best Publications**”. These were:

- **Michael S. Boyne, Minerva Thame, Clive Osmond, Raphael A Fraser, Leslie Gabay, Marvin Reid and Terrence E Forrester** - “Growth, Body Composition and the Onset of Puberty: Longitudinal Observations in Afro-Caribbean Children” *J Clin Endocrinol and Metab*, July 2010.

- **Donnette Simms-Stewart, Minerva Thame, Aleith Hemans-Keen, Ian Hambleton and Graham R Serjeant** - “Retained Placenta in Homozygous Sickle Cell Disease”, *Obstetrics & Gynaecology*, October 2009.
- **Minerva Thame, Horace Fletcher, Tameka M Baker and Farook Jahoor** - “Comparing the glucose kinetics of adolescent girls and adult women during pregnancy”, *Am J Clin Nutr* 2010, March 2010

The most ‘**Outstanding Researchers**’ were:

- **Professor Minerva Thame of the Department of Child Health**

Minerva Thame serves as Head of the Department of Child Health, UWI, Mona. She is well known internationally for her research on the subject of in utero exposure and subsequent health outcomes – having authored/co-authored several publications in this area. During the period under review she published eight research manuscripts in peer reviewed international journals, having an average impact factor of 3.525. She is the primary author/co-author of all three publications nominated for the Principal’s “Best Research Paper” Awards for 2011. Her research grants for the period totaled US\$21,280.00.

- **Professor Rainford Wilks of the Tropical Medicine Research Institute (TMRI)**

Rainford Wilks serves as Professor of Epidemiology and is the Director of the Epidemiology Research Unit, TMRI. His main research interest is in cardiovascular diseases and their risk factors (CVDs) in developing countries and his research projects include national surveys and cohort studies which have documented the burden of CVDs in youth and adults. These data have informed local and regional policies and programmes in response to the CVD epidemic. In the process he has mentored several young epidemiologists and other researchers. During the period under review he served as senior/co-author of eleven research

manuscripts with an average impact factor of 2.815. His research grants for the review period was approximately US\$2,5000.

The selection in the category **“The Project attracting the Most Research Funds”** was:

- **“The Jamaica Paediatric, Perinatal and Adolescent HIV/AIDS Programme (JaPPAAIDS)”** which attracted research funds totaling J\$25,494,762.00.

Jamaica’s Pediatric, Perinatal and Adolescent HIV/AIDS (JaPPAAIDS) Program is a collaborative effort between the UWI and the Jamaican Ministry of Health. The mission of the program is to virtually eliminate vertical transmission of HIV/AIDS while improving the quality of life for those infected and affected by HIV/AIDS. It provides:

- Island-wide leadership, mentoring and training of the healthcare team to prevent vertical transmission of HIV/AIDS,
- Risk-reduction in HIV-infected youth,
- Patient management of pediatric, perinatal and adolescent HIV/AIDS, Outcomes-based research and outreach.

The final category – **The Research Project with the Greatest Business/Economic/Development Impact :**

No selection was made in this category

Research Grants

The Faculty attracted approximately US \$ 1.5 million in research grants during the year, details of which appear in the individual departmental reports.

Graduate Studies

The following new programmes were launched during the year:

- The MSc in Forensic Sciences
- Clinical Fellowship in Nephrology
- Clinical Fellowship in Child and Youth Psychiatry
- Diploma in Family Medicine.

Efforts were again directed at improving the quality of our programmes and student evaluation of supervisors was introduced under the auspices of the Deputy Principal's Office.

Registered Students (2010-2011) – Graduate Studies

Programmes	Numbers
Specially Admitted	5
DI PG	9
DM	315
DPH	16
MPH	49
Taught Masters	170
MPhil	53
PhD	47
Total	664

Income Generation and Budgetary Considerations

This continues to be an area of concern for the Faculty of Medical Sciences. Its full fee paying programmes continue to do well. However the MB BS Programme is expensive to run and there are challenges associated with increased enrolment in this programme. This requires careful

monitoring and management by the Faculty as well as the Campus management team.

Conclusion

Although facilities have been substantially upgraded and income generation remains strong, the Faculty is concerned about the negative impact the expansion could have on the quality of its programmes. To date this has not occurred and this year saw the best results ever in our flagship MB BS Programme. The quality of our programmes has been enhanced, not decreased. Quality assurance measures have been implemented to ensure that this remains so and during next year the emphasis will be on strengthening these measures. The internal accreditation committee is very active and ensures that all training sites maintain the minimum standards required by the Faculty. As the focus shifts to internationalization of the Faculty, the administrative departments will need to be more responsive and innovative in finding solutions to new and old problems. Work to upgrade the UHWI to acceptable international standards must begin now.

DEPARTMENT OF BASIC MEDICAL SCIENCES

Professor Wayne McLaughlin, BSc *Waterloo*, PhD *UWI*
– Head of Department

WORK OF THE DEPARTMENT

During the academic year, the Department made progress in implementing some of the strategic initiatives in its 2007-2012 Strategic Plan and also some of the recommendations from five-year review for the Basic Medical Sciences. The major achievements were



- The completion of the review of the BB Med Science programme
- Increased throughput of MPhil and PhD students
- Introduction of the MSc Forensic Science programme
- The approval of taught master's programmes in Applied Pharmacology and Physical Therapy

In 2010/11 three hundred and fifty-seven students were registered in the MBBS/DDS programmes, 60 in the BB Med Sci programme and 50 in the Physical Therapy programme. Two hundred and three students were enrolled in the FPAS Biochemistry programme. Students' assessment of teaching was good as the academic staff continues to be highly rated by students. Members of the academic staff and their postgraduate students participated in several international conferences, and were also successful in attracting research funds of approximately US\$263,000. The research output improved, with 1.1 original paper published per staff in peer reviewed journals.

Professor Helen Asemota continued her secondment at Shaw University, USA where she also serves as the Principal Investigator for the "Shaw in

Jamaica MoN Prostate Cancer Research Project”. Dr. Michelle Hamilton was seconded to the Ministry of Health. Dr. Dagogo Pepple went on Sabbatical leave. The Section of Physiology benefitted tremendously from his replacement, Dr. Daniel Owu. The Departments of Basic Medical Sciences and Surgery in collaboration with Leeds Metropolitan University hosted the Anti-doping in Sports workshop. The workshop was held at the Physiology Lecture Theatre on September 18, 2010. Dr. Rachael Irving, Snr. Research Fellow, attended the Penn Relays at Penn State University in April of 2011 to promote her book “Jamaica Gold: Jamaican Sprinters”. The visit was facilitated by Department of Medical Sciences, Registrar Office and Grace Kennedy Food Limited. The book signing was held in Manhattan, New York at the Negril Village Restaurant in May 2011.

STAFF AWARDS AND PROMOTIONS

Ms. Carron Gordon was awarded the PhD Degree in Public Health from the University of the West Indies.

STAFF DEVELOPMENT

Dr. Arkene Levy received training in methods of detection of apoptosis in cancer cells and animal cancer models at the Rumbaugh-Goodwin Institute for cancer research, NSU, Florida. Mr. Everton Thomas attended a National Institute of General Medical Services sponsored short course in Integrative and Organ Systems Pharmacology at University of Michigan, East Lansing, Michigan. Ms Talitha Farquharson successfully completed a one-year certificate in Small Business Management and Supervisory Management, UWI

PAPERS/POSTERS PRESENTED AT SCIENTIFIC MEETINGS

- Brown P.D. Leptospirosis in Jamaica: What have we learnt in 50 years? College of Veterinary Medicine Seminar, University of Minnesota, College of Veterinary Medicine, St. Paul, Minnesota, USA; August 26, 2010.

- Brown P.D. International Research Collaboration: the UMN/UWI story. Jamaica Healthcare Vision 2030 forum. Mall of America, Bloomington, Minnesota, USA. November 5, 2010.
- Brown, P.D., *Leptospira* and leptospirosis in Jamaica. University of the West Indies, Mona, Jamaica; March 13, 2011
- Stephenson, S., P.D.Brown. Occurrence of class 1 integrons in fluoroquinolone-resistant clinical *Escherichia coli* isolates from Jamaica. American Society for Microbiology 111th General Meeting, New Orleans, Louisiana, USA, May 21-24, 2011. (Abstract)
- Brown, P.D. *Leptospira* and leptospirosis in Jamaica. Ambassadors Forum, American Society for Microbiology 111th General Meeting, New Orleans, Louisiana, USA, May 23, 2011. (Abstract)
- Nelson G. Exercise-Induced Arterial Hypoxaemia. University of Technology, Jamaica, Faculty of Science and Sport Inaugural Scientific Conference (2011).
- Nelson G. “Can the cancer patient exercise?” Jamaica Physiotherapy Symposium, September 12, 2010.
- Roopchand-Martin, S (2011) Physical therapy management of polio patients. SJGRC Annual Symposium
- Roopchand-Martin, S (2011) Video Games: New strategies in rehabilitation. Medical Association of Jamaica Symposium.
- Roopchand-Martin, S (2010) Quality of life of cancer patients. Presented at the Jamaica Physiotherapy Association’s annual symposium
- Roopchand-Martin, S (2010) Psychometric properties of measurement instruments. Workshop for the Jamaica Physiotherapy Association.
- Gordon C. (2011) Therapeutic Ultrasound: Does it really work? Workshop for the Jamaica Physiotherapy Association.

- Hudson G . (2011) Back care. St. Andrew (High School) Old Girls' Association Annual General Meeting.
- Hudson G. (2011) Post Polio Syndrome. The Sir John Golding Rehabilitation Centre Symposium 2011.
- Williams S (2011) *Enhancing the Clinical Learning Environment for Physiotherapy Student*. (PowerPoint presentation) Physiotherapy Department, Kingston Public Hospital.
- Ragoobirsingh, D. (2011). Cardiovascular Diseases Risk Management The Pan American Health Organization Caribbean Chronic Care Collaborative: Improving the Quality of Diabetes Care International Learning Session III, March 24-25, 2011, RIU, St Ann's Bay, Jamaica.
- Ragoobirsingh, D. (2011). Diabetes and Caribbean Folklore. University of the West Indies Open Campus Public Lecture Series, April 14, 2011, St Georges, Grenada
- Hunter, T., Horace M. Fletcher, Maxine D. Gossell-Williams. Evaluation of the Physiological Benefits of Pumpkin Seed Oil in Menopausal Patients The American College of Obstetricians and Gynecologists Annual Clinical Meeting, Washington Convention Center April 30 – May 4, 2011. (*Abstract*)
- Gardner, N., Luke, K., Bahado-Singh, P., Dilworth, L., Wheatley, A., De la Haye, W., Lowe, H., and Asemota, H., (2009) Nutritional supplements in the treatment (Secondary Prevention) of Chronic Cocaine Dependence. Proceedings from the CICAD/CARICOM Meeting. Pegasus, Kingston, Jamaica. 2011.
- Badal, S., Sherri-Ann Williams, Helen Jacobs and Rupika Delgoda. Natural Products as inhibitors of CYP1 enzymes. The Mona Symposium 2010, Natural Products and medicinal chemistry.”
- Nebor D., Bowers, A., Hardy-Dessources, M.D. et al. Clinical severity of sickle cell anemia and its relationships with inflammation, blood rheology and the sympatho-vagal balance. Annual Congress of the French Society of Hematology: Meeting

of the French Group of Hemostasis and Thrombosis March 10-12, 2011, Paris, France.

- Bowers, A., Knight-Madden J., Pepple, D., Reid, H.L., & Reid, M. Blood viscosity and the expression of inflammatory and adhesion markers in homozygous S sickle cell disease. Experimental Biology Conference, April 10, 2011, Washington Convention Centre, Washington D.C: Federation of American Societies for Experimental Biology (FASEB) Journal March 17, 2011 25:638.14.

Patent Application

- Daley-Beckford, D., Alexander-Lindo, R. L., Yee, T., and Paul Reese. New potential oral hypoglycaemic agents from the leaves and stems of *Eucalyptus camaldulensis* Denhn. (Myrtaceae), and their identification as well known and consumed fatty acids with the likelihood for their safe use, and their favourable comparison with the known oral hypoglycaemic agent Metformin.

UWI Faculty of Medical Sciences 19th Annual Research Conference, Kingston, Jamaica, November 10-12, 2010.

- Golding, C, McKoy, M, Thomas, E & West M (November 2010). The effect of *Spathodea campanulata* on intraocular pressure. *West Indian Medical Journal*, 2010 54 (Suppl 4):24.
- Brown P.D. Leptospirosis revisited. *West Indian Med. J.* 59 (Suppl. 4): 18 (Abstract).
- Andrade, G., P.D.Brown. Investigation of the basis of attachment of *Leptospira* to mammalian cells. *West Indian Med. J.* 59 (Suppl. 4): 35-36 (Abstract).
- Walters Patterson Brown, P., Roopchand-Martin, S. (2010). Adolescent obesity in traditional high schools in Clarendon. (Poster)
- Rajkumar, F., Roopchand-Martin, S. (2010). Quality of Life of Cancer Patients in Trinidad and Tobago. (Poster)

- Bennett, N. Gordon, C. (2010). Do patients adhere to home-based exercise programmes given by physical therapists? (Poster)

PUBLICATIONS

Books and monographs

- * Irving R, Charlton V. (eds). Jamaica Gold: Jamaican Sprinters. University Press, Jamaica, 2010 [ISBN 978-976-640- 234-1].
- * Irving R. Hormones, Our Family History and Diabetes in Pregnancy: Genetics and biochemistry in the Black womb. LAMBERT Academic Publishing, Germany, 2010 [978-3-8383-3698-5].
- * Pitsiladis YP; Irving R; Charlton V & Scott R (2010). ‘White’ Men Can’t Run: Where is the Scientific Evidence? The Anthropology of Sport and Human Movement: A Bio-cultural Perspective. Edited by Robert R. Sands and Linda R. Sands. Lexington Books.
- * Roopchand-Martin, S., Gordon, C., Nelson, G. (2010). Keeping Athletes on the Move. In Irving et al. (eds). Jamaican Gold Jamaican Sprinters. University of the West Indies Press.

Technical Reports

- * Ragoobirsingh, D. Pan American Health Organization Report on a Training Workshop for Health Professionals and Managers to Improve Quality Care for People with Chronic Disease in Guyana (December 2-3, 2010), January 24, 2011, 2 pages.
- * Ragoobirsingh, D. Pan American Health Organization Report on Improving Quality Care for People with Chronic Diseases in Antigua (December 6-7, 2010), January 24, 2011, 4 pages.

- * Ragoobirsingh, D. Pan American Health Organization Report on Improving Quality Care for People with Diabetes in St Lucia (January 26-27), February 2, 2011, 5 pages.
- * Ragoobirsingh, D. Pan American Health Organization Report on Improving Quality Care for People with Diabetes in Anguilla (June 23-24), June 29, 2011, 4 pages.
- * Ragoobirsingh, D. Pan American Health Organization Report on Cardiovascular Diseases Risk Management-Diabetes Quality Care Improvement in Surinam (July 8 -9), July 17, 2011, 5 pages.
- * Ragoobirsingh, D(2010), Chronic Care Passport, Developed for the Pan American Health Organization Caribbean Quality of Diabetes Care Improvement Project with contributions from Jamaica, Barbados, Trinidad & Tobago, Antigua, Anguilla, Belize, Guyana, St. Lucia and Suriname.
- * Ragoobirsingh, D. Pan American Health Organization Report on Quality of Care Improvement Course, Learning Session 3, in Tobago (September 28-30), October 27, 2010, 4 pages.
- * Ragoobirsingh, D. Pan American Health Organization Report on Guiding and Supporting National Quality Improvement Initiatives for Diabetes in Grenada (October 13-14), October 28, 2010, 2 pages.

Refereed Journal

WIMJ = West Indian Medical Journal

- * **Badal S**, Williams S, Huang G, Francis S, Vendantam P, Dunbar O, Jacobs H, Tzeng T.J, Gangemi J, and Delgoda R. (2011). “Cytochrome P45 1 enzyme inhibition and anticancer potential of chromene amides from *Amyris Plumieri* Fitoterapia. 82: 230-236.
- * Bowers, A., Pepple, D. and Reid, H. (2011). Optimal haematocrit in subjects with normal haemoglobin, sickle cell

trait and homozygous sickle cell disease, *Clinical Hemorheology and Microcirculation*.47:253-260.

- * Brown, P. D. (2011). Jamaica: Heavy metals in the natural and anthropic environments. In: Nriagu J.O (ed.) *Encyclopedia of Environmental Health* 3: 315-322, Burlington: *Elsevier*. ISBN-13: 978-0-444-52273-3; ISBN-10: 0-444-52273-5.
- * Brown, P.D., M. McKenzie, M. Pinnock and D. McGrowder (2011). Environmental risk factors associated with leptospirosis among butchers and their associates in Jamaica. *International Journal of Occupational and Environmental Medicine* 2:47-57.
- * Chang, P-G. S., W. A. McLaughlin and Sue A. Tolin (2011). Tissue blot immunoassay and direct RT-PCR of cucumoviruses and potyviruses from the same NitroPure nitrocellulose membrane. *Journal of Virological Methods* 171: 345-351.
- * Deason M, Scott R, Irwin L, Macaulay V, Fuku N, Tanaka M, Irving R, Charlton V, Morrison E, Austin K and Pitsiladis P. (2011). Importance of mitochondrial haplotypes and maternal lineage in sprint performance among individuals of West African ancestry. *Scand J Med Sci Sports*. Doi: 10.1111/j.1600-0838.2010.01289.x
- * Finlayson E and P.D. Brown (2011). Comparison of antibiotic resistance and virulence factors in pigmented and non-pigmented *Pseudomonas aeruginosa*. *WIMJ*; 60:24-32.
- * Fisher L. P. Tennant and W. McLaughlin (2010). Detection and characterization of Citrus tristeza virus stem pitting isolates in Jamaica. *European Journal of Plant Pathology*. 127:1-6
- * Gordon CD, Williams SKP, Hudson GA and Stewart J (2010). Factors Associated with Academic Performance of Physical Therapy Students. *WIMJ*; 59(2): 203-208.
- * Gordon, L, D. Ragoobirsingh, E. Morrison, E. Choo-Kang, D. McGrowder and E. Martorell (2010). Lipid Profile of Type 2

Diabetic and Hypertensive Patients in the Jamaican Population
Journal of Laboratory Physicians 2, 25-30.

- * Gordon, L., D. Ragoobirsingh, E. Morrison, D. McGrowder, E. Choo-Kang and E. Martorell (2010). Dyslipidaemia in hypertensive obese type 2 diabetic patients in Jamaica. *Arch Med Sci.* 6, 5: 701-708.
- * Gossell-Williams, M., J Williams-Johnson and L Francis (2010). Complication of Diabetes Mellitus Management: the Predominant Adverse drug reaction presenting to the Accident and Emergency Department of the University Hospital of the West Indies. *WIMJ*; 59(5):555-560.
- * Ibanga, I and Nwokocha, CR. (2011). Malaria: Mobidity, Mortality and Its Associated Complications. *WIMJ*. 60 (1): 1-2.
- * Irving R, Tusie L, Mills J, Wright-Pascoe R, McLaughlin W and Agular-Salinas C. (2011). Diabetes tipo 2 de inicio temprano en Jamaica y en México. Oportunidades derivadas de un estudio interétnias. *Revista de Investigación Clínica.* 63 (2): 198-209.
- * Irving, R., Teresa, T.L.M., Mills, J and Wright-Pascoe, R. (2011). Diabetes tipo 2 de inicio temprano en Jamaica y en Mexico. *Rev Invest Clin.* 63 (20): 198-209.
- * James J, Irving R, Choo-Kang E, Wright-Pascoe R, McLaughlin W, Mullings A, Gabay L and Kulkarni S. (2010). Multigenerational inheritance and clinical characteristics of three large pedigrees with early onset type 2 diabetes in Jamaica. *Pan Am J Public Health* 27(6):435-441.
- * Less L.A., D. Ragoobirsingh, E. Morrison., M. Boyne and P. Anderson-Johnson (2011). The Jamaican Lay Facilitators Programme: A Positive Impact on Glycaemic Control. *Journal of Diabetes Management*; 1, 2:167-173.
- * Logan, N., M. Gossell-Williams and M. Lee (2010). Upper Gastrointestinal Bleed Induced By Non-Steroidal Anti-

Inflammatory Drugs/Aspirin In Jamaica. *The Internet Journal of Gastroenterology*. Volume 10, Number 1.

- * McGrowder D, Bourne P, Crawford T, Irving R, Brown P and Crawford L. (2010). How prepared are medical and non-medical laboratories in Jamaica for accreditation? *Accreditation & Quality Assurance*, DOI: 10.1007/S00769-0100686-5.
- * McGrowder D. and P.D. Brown (2010). A study of clinical and laboratory findings in patients with leptospirosis at a tertiary teaching hospital in Jamaica. *Research and Reports in Tropical Medicine* 1:1-6.
- * McGrowder, D., P. Bourne, T. Crawford, R. Irving, P. Brown and L. Anderson-Jackson (2010). How prepared are medical and non-medical laboratories in Jamaica for accreditation? *Accreditation and Quality Assurance* 15(10): 569-577.
- * Nebor D., Bowers, A., Hardy-Dessources, M.D. et al. (2011). Frequency of painful crises in sickle cell anemia and its relationships with the sympatho-vagal balance, blood viscosity and inflammation, *Haematologica*. (Epub ahead of print).
- * Nwangwa, E.K., Nwokocha, C.R., Naiho, A.O. and Adegbor, E.C. (2011). Effect of *Solanum Lycopersicum* on the changes in Liver Function and some Haematological Parameters Induced by Methyl Mercury in Wistar Rats. *Continental J. Medical Research*. 5 (1): 22-26.
- * Nwokocha C., Ejebe D.E., Nwangwa E.K., Ekene N., Akonoghrere R. and Ukwu J. (2010). The Effects of Bitter Kola Supplemented Diet on Hepatotoxicity of Mercury in Wistar Rats. *J. Appl. Sci. Environ. Manage.* 14(1) 89-95.
- * Nwokocha C.R, Ebeigbe, A.B and Ajayi, I.O. (2011). Altered Vascular Reactivity Induced By Malaria Parasites. *WIMJ*; 60 (1): 13-18.

- * Nwokocha, C.R., Ufearo, C.S., Owu D,U, Idemudo, N.C. and Ojukwu, L.C. (2011). In vivo distribution of lead in male and female rats after intraperitoneal and oral administration. *Toxicology and Industrial Health*. 000(00) 1-6. DOI: 10.1177/0748233711407955. PMID: 21622679.
- * Nwokocha, C.R., Nwangwa, E.K. and Udekweleze, D.C. (2011). The Detoxification of Lead Poisoning by *Garcinia Kola* in Albino Wistar Rats. *Continental J. Biomedical Sciences*. 5 (1): 32-36.
- * Nwokocha, C.R., Owu, D.U., Ufearo, C.S. and Iwuala, M.O.E. (2011). Comparative study on the efficacy of *Garcinia kola* in reducing some heavy metal accumulation in liver of Wistar rats. *Journal of Ethnopharmacology* 135: 488-491.
- * Parshad, O, A, Richards and M. Asnani (2011). Impact of Yoga on Haemodynamic' Function in Healthy Medical Students, *WIMJ*; 60 (2): 148.
- * Roopchand-Martin, S. and Lue-Chin, P. (2010). Improving power and agility in Jamaican netballers. *WIMJ*, 59(2) 182-187.
- * Solomon, D., and Roopchand-Martin, S. (2011). Do analogue scales work in the Trinidadian population with chronic low back pain? *International Journal of Therapy and Rehabilitation*. 18(2); 588-593.
- * Stephenson, S., P.D. Brown, A. Holness and M. Wilks (2010). Emergence of *qnr*-mediated quinolone resistance among *Enterobacteriaceae* in Jamaica. *WIMJ*; 59(3): 241-244.
- * Vaz K, McGrowder D, Bourne P, Crawford T, Lindo R and Irving R. (2010). Prevalence of injuries and reporting of accidents among health care workers at the University Hospital of the West Indies. *International Journal of Occupational Medicine and Environmental Health*, 23(2):133-143.
- * Vaz K, McGrowder D, Alexander-Lindo R, Gordon L, Brown P and Irving R. (2010). Knowledge, Awareness and Compliance

with Universal Precautions among Health Care Workers at the University Hospital of the West Indies, Jamaica. *Intern J of Occupational and Environmental Medicine* 1(4):171-181.

- * Vaz, K., D. McGrowder, P. Bourne, R. Alexander-Lindo, L. Gordon and P. Brown (2010). Knowledge, awareness and compliance with universal precautions among health care workers at the University Hospital of the West Indies. *International Journal of Occupational and Environmental Medicine* 1(4): 171-181.

Abstracts in Peer Reviewed Journal

- * Bowers, A., Knight-Madden J., Pepple, D., Reid H.L., & Reid, M. Relationship of haemorheological variables, inflammation and adhesion markers with chronic leg ulceration in homozygous S sickle cell disease patients. *WTMJ*. 2010; 59(Suppl. 4): 27.
- * Bowers, A., Knight-Madden J., Pepple, D., Reid, H.L., & Reid, M. Blood viscosity and the expression of inflammatory and adhesion markers in homozygous S sickle cell disease. *Federation of American Societies for Experimental Biology (FASEB) Journal*; March 17, 2011, 25:638.14.
- * Bowers, A., Knight-Madden J., Pepple, D., Reid, H.L., & Reid, M. Blood viscosity and the expression of inflammatory and adhesion markers in homozygous S sickle cell disease. *WTMJ*. 2011; 60 (Suppl. 2): 13.
- * Nwokocha CR, Ebeigbe AB, Ajayi IO (2010). Altered vascular smooth muscle reactivity induced by malaria parasites. *WTMJ*. 2010; 59 (Suppl. 4): 34.
- * Nwokocha CR, Ajayi IO, Ebeigbe AB. (2010). Tissue specificity in altered vascular smooth muscle reactivity induced by malaria parasites. *WTMJ*. 2010; 59 (Suppl. 4): 34.

- * Hagley AC, Nwokocha CR, Pepple DJ (2010). The effect of sildenafil on the elasticity of erythrocytes in homozygous sickle cell disease. *WIMJ*. 2010; 59 (Suppl. 4): 44.
- * Roopchand-Martin, S. (2011). Video games: New strategies in rehabilitation. *Medical Association of Jamaica Symposium. Conference Proceedings*. p 25.
- * Walters Patterson Brown, P., Roopchand-Martin, S. (2010). Adolescent obesity in traditional high schools in Clarendon. *WIMJ*. Vol 59: (suppl 4), p 37.
- * Rajkumar, F., Roopchand-Martin, S. (2010). Quality of Life of Cancer Patients in Trinidad and Tobago. *WIMJ*. Vol 59: (suppl 4), p 37.
- * Creary, S., Roopchand-Martin, S. (2010). Caregiver Burden in Stroke: The Jamaican Perspective. *WIMJ*. Vol 59: (suppl 4), p 37.
- * Bennett, N. Gordon, C. (2010). Do patients adhere to home-based exercise programmes given by physical therapists? *WIMJ*. Vol 59
- * Hunter, T., M. Gossell-Williams, H. Fletcher, D. Simms-Stewart, C. Hyde, N. Williams, C. Walters. Evaluation of physiological and cytological benefits of pumpkin seed oil supplementation in postmenopausal women: A pilot study. *WIMJ*; 2010 54 (Suppl 4):37 (*Abstract*)
- * Logan, N.A., M Gossell-Williams, M G Lee. Upper gastrointestinal bleed induced by non-steroidal anti-inflammatory drugs/ aspirin in Jamaica. *WIMJ*; 2010, 54 (Suppl 4) :37 (*Abstract*)
- * Lewis A and Arkene Stacy-ann Levy. Protective effects of *Cassia alata* leaf extract in complete Freund's adjuvant arthritis in rats *FASEB J*, 201; 25:811.3 (*Abstract*)
- * Lewis, Anishka, Levy, A.S. Investigation of the anti-inflammatory activities of *Cassia alata* extract in complete

Freunds adjuvant arthritis in rats. *WIMJ*. 2010; 59 (4): 35
(Abstract)

- * Christie, Sara-Lou, Levy, A.S. Effect of *Peteveria Alliaceae* extracts on fasting blood glucose levels in normoglycemic sprague-dawley rats. *WIMJ*. 2011; 60 (Suppl 1): 48 9 (Abstract)
- * Burnett, A., Paul D Singh, Oswald Simon and Marsha-Lyn G McKoy. Effect of acute administration of *Momordica charantia* fruit extracts on blood glucose levels of normoglycemic rats *FASEB J*, March 17, 2011, 25:805.8 (Abstract)
- * Golding, C., Manley E West, Marsha-Lyn G McKoy, Everton A Thomas. The fluid from the immature flower bud of *Spathodea campanulata* reduces intraocular pressure in dogs *FASEB J*, March 17, 2011 25:623.12 (Abstract)
- * Wynter, T.S, Singh, P, Williams, N. & McLaughlin, W. (April 2011). The effect of *Momordica charantia* extract on colorectal cancer precancerous lesions (aberrant crypt foci). *FASEB J*, March 17, 2011 25:621.5 (Abstract)

INCOME GENERATION

Research Grants:

Dr. Arkene Levy

- Grant from Deans Office: US\$22,000.00 for purchase of Tissue Culture Lab Equipment and training.
- Campus Committee for Research and Publication and Graduate Award for Coleen Salmon: Investigation of the correlation of ovarian cancer FAK expression and tumor invasive and migratory potential J\$2,200.00
- Campus Committee for Research and Publication and Graduate Award for Latoya Smith: “To evaluate the prevalence of orthostatic hypotension and risk of falls among older patients presenting to the Community Health & Psychiatry Health Centre.” J\$9,425.00

Dr. Paul Singh

- Faculty of Medical Sciences, Dean Award for Anikki Burnett: “Effect of acute administration of *Momordica charantia* fruit extracts on blood glucose levels of normoglycemic rats”; poster presentation at Experimental Biology April 9-13, 2011, Washington, USA; US\$1,239.00

Ms. Marshalyn McKoy

- Campus Committee for Research and Publication and Graduate Award for Chanttal Golding: “The fluid from the immature flower bud of *Spathodea campanulata* reduces intraocular pressure in dogs”; poster presentation at Experimental Biology April 9-13, 2011, Washington, USA; US\$1,260.00 from Grad Studies.
- Faculty of medical Sciences, Dean Award for Chanttal Golding: “The fluid from the immature flower bud of *Spathodea campanulata* reduces intraocular pressure in dogs”; poster presentation at Experimental Biology April 9-13, 2011, Washington, USA; J\$64,829.12

Dr. Maxine Gossell-Williams

- Campus Committee for Research and Publication and Graduate Award for Latoya Smith: “To evaluate the prevalence of orthostatic hypotension and risk of falls among older patients presenting to the Community Health & Psychiatry Health Centre.” \$9,425.00

Dr. Paul Brown

- Antibiotic resistance in respiratory pathogens and associated fitness burden. Campus Research and Publication Fund, UWI, Mona; PI (Awarded to Rochell Davis)
- Molecular biology and epigenetic regulation of quinolone resistance and P fimbriae expression in *Escherichia coli*. Campus Research and Publication Fund, UWI, Mona; PI (Awarded to Stacy Stephenson)

Prof. Dalip Ragoobirsingh

- The Campus Principal and Dean, FMS, joint grant of \$448,000.00 for the Diabetes Education programme.

Ms. Joan Facey

- Mona Campus Committee for Research & Publications and Graduate Awards provided US. \$3,140.19 for project entitled “Comparative effects of ketamine and propofol on vascular reactivity in streptozotocin induced diabetic rats”.

Racquel Wright

- Received a grant of US\$3,300 for research at Morehouse School of Medicine.

Physical Therapy

- A continuing education workshop was organized by the Physical Therapy Section in December 2010. Twenty physical therapists attended. Income - \$79,000

PUBLIC SERVICE

Dr. Paul Brown

- American Society for Microbiology (ASM) Ambassador for Central America and Caribbean Basin. Appointed December
- American Society for Microbiology Country Liaison for Jamaica (ONGOING)

Prof. Dalip Ragoobirsingh

- Consultant Diabetes Educator, Diabetes Association of Jamaica (DAJ)
- Judge for Poster Presentations, The University Diabetes Outreach Programme (UDOP)

- Technical Advisor, Pan American Health Organization (PAHO)/World Health Organization (WHO)
- Reviewer, Caribbean Secondary Examination Council Human and Social Biology Revision Guide. Longman/Pearson Publishing Company
- Consultant Diabetes Educator, University Hospital of the West Indies (UHWI)

Prof. Omkar Parshad

- Member, Lions Club of St. Andrew, Jamaica
- Director, Indian Cultural Society in Jamaica

Dr. Lauriann Young-Martin

- Lecturer and Member of the Liturgical Committee, Holy Cross Roman Catholic church

Professor McFarlane-Anderson

- Chairman, Education Committee, International Proxy Parents
- Member, Friends of Foundation for International Self Help (FISH).

Professor Wayne McLaughlin

- Board Member, Coconut Industry Board

Dr. C. R. Nwokocho

- Member, Fundraising Committee, Sts. Peter and Paul Roman Catholic church

Sharmella Roopchand- Martin

- Consultant for the physical therapy staff, Sir John Golding Rehabilitation Center
- Member, Jamaica Physiotherapy Association

Dr. Carron Gordon

- Member, Board of Directors, Peters Rock Christian School

- Member, Jamaica Physiotherapy Association
- Secretary, Janan Court Citizens Association

Ms. Gail Nelson

- Member, Board of Trustees, Jamaica National Children’s Home
- Member, Jamaica Association of Sports Medicine
- Member, Jamaica Physiotherapy Association
- Immediate past president, Jamaica Physiotherapy Association

Ms. Gillian Hudson

- Member, Combined Disabilities Association
- Member, Friends of the Mona Rehabilitation Centre.
- Board Member, Consie Walters Cancer Care Centre.
- Member/Secretary, Blue Castle Close Citizens’ Association
- Member, Jamaica Physiotherapy Association

Ms. Sonja Williams

- Member, Friends of the Mona Rehabilitation Centre.
- Member, Jamaica Physiotherapy Association

STUDENTS REGISTRATION IN PROGRAMMES

BB Med Sci.

Year 1 = 60
Year 2 = 31
Year 3 = 40

MB BS

Year 1 = 357
Year 2 = 267
Year 3 = 273

Physical Therapy

Year 1 = 50

Year 2 = 51

Year 3 = 38

FPAS (Biochemistry)

Year 1 = 203

Year 2 = 98

Year 3 = 75

FIRST CLASS HONOURS

BB MED SC Pharmacology

Shellian Blagrove

Davian Brooks

Sade Buchanan

Cardine Cameron

Sheridan Carrington

Kimberley Clarke

Shanique Ellington

Ricardo Morgan

Michelle Morris

Minique Reboe

Kresta Taylor

Candice Cooke

POSTGRADUATE DEGREES AWARDED

Garfield Simon – PhD Biochemistry

Caneta Brown – MPhil Biochemistry

Lorna Calder – MPhil Physiology

Angella Turner-Dawkins – MPhil Biochemistry

Rayon Dyer – MPhil Physiology

Tricishanna Henry	– MPhil Pharmacology
Coretha Hyde	– MPhil Pharmacology
Annalee Lopez	– MPhil Physiology
Garsha McCalla	– MPhil Physiology
Everton Thomas	– MPhil Pharmacology

POSTGRADUATE SCHOLARSHIPS AWARDED

Simone Badal - 1) Luther Speare Scholarship 2010-2012
2) Young Scientist/technologist 2010-2012

DEPARTMENT OF CHILD HEALTH

**Professor Minerva Thame, MBBS, DCH, DM (Paeds), PhD
– Head of Department**

REGIONAL AND NATIONAL IMPORTANCE OF CHILD HEALTH

The World Health Organisation's definition of health encompasses more than just the absence of disease and includes physical, social and emotional health and development. The health and well being of a nation and therefore a region, is determined by the health of its children. Internationally, perinatal, infant and under five mortality rates are recognised indicators of national health.



WORK OF THE DEPARTMENT

The Department of Child Health is one of the Departments within the Faculty of Medical Sciences. In August 1996 it was merged with Obstetrics and Gynaecology but as of August 2010 it was re-established as a separate Department. The main focus of the Department is to improve the health and welfare of families through clinical service, research, intellectual leadership, advisory and community services and training of undergraduate students and postgraduate doctors.

Our clinical services are delivered through two medical wards, a paediatric casualty and a newborn special care unit which incorporates a neonatal intensive care unit. The main subspecialties offered are infectious diseases, development and behavioural paediatrics, cardiology, neonatology, nephrology, neurology, endocrinology and pulmonology. There is also collaboration with other surgical and medical subspecialties.

The Department has been involved in collaborative research with several overseas institutions such as Vanderbilt University Global Health

Program, University of Texas and the Children's Nutrition Research Centre (CNRC), Baylor College of Medicine, Texas. The Department attracted research grants totalling US\$ 1,048,334.00 and several members of the department were recognized at the Annual Principal's Research Awards in the following categories: most outstanding researcher, best publication and research project attracting the largest amount of external research funding.

Several members of the Department were involved in health promotion activities such as media presentations both print and electronic. Members also demonstrated intellectual leadership through their involvement with several advisory boards and active participation in community service. The scope of this involvement encompassed early childhood development, disaster mental health, elimination of infectious diseases and parenting and nurturing of infants.

The need for a cadre of professionals trained in the field of Child Health has led to the Department's continued development of undergraduate and postgraduate programmes in Child Health. As curriculum development, teaching and learning methods are continuously being revised, both undergraduate and postgraduate programmes in Child Health have been the subject of frequent reviews. The Department currently offers two undergraduate courses in Child Health as part of the MBBS programme and a postgraduate programme in Paediatrics (Doctor of Medicine in Paediatrics). Additionally, staff of the Department teach courses in child health related areas and provide research and clinical supervision to students enrolled in undergraduate programmes in Nursing and Midwifery and postgraduate programmes in Clinical Psychology, Education, Nutrition, Epidemiology and Public Health.

There were 163 junior students and 143 senior students who completed the Child Health rotations over the last year. Students' assessments of our clerkships have been consistently good with individual lecturer scores ranging from 4.1 to 4.5 with an average of 4.3 and the Clerkship Assessment ranging from 3.7 to 4.0. The final assessment of the Child Health programme is done together with the Department of Medicine and in the November/December examination of the 21 candidates, who were examined, 10 were unsuccessful while in May/June 2011 of 112

candidates who were examined, only 1 candidate was unsuccessful. There were 86 elective students who rotated through Child Health during this period. Seventy were from UWI; sixteen were from overseas Universities: Europe (3), UK (3), Canada (4), U.S.A (4) and Caribbean (2).

There were a total of 28 postgraduate students registered in the DM Paediatric programme and in the final DM Part 2 Examinations 6 candidates sat the final examination, and 5 (83%) were successful while 8 candidates sat the DM Part 1 examinations and all were successful. Eight candidates started the program as of July 1 2011.

Perinatal Audit, Symposium and Conferences

This year was the tenth year of the Perinatal Audit and Symposium. This annual conference is held in February of each year and was coordinated by Drs. Helen Trotman and Nadine Johnson. This event was attended by over 400 delegates. This is a joint effort between the Departments of Obstetrics and Gynaecology and Child Health with external review of perinatal statistics by practitioners from outside units. The theme this year was “Update in Perinatal/Neonatal Medicine”

The Department also held its 4th Biennial Child Health Conference in April 2010. It was held in association with the charitable organisation, “Chain of Hope Jamaica” on the theme “Paediatric Cardiology - The Jamaican Perspective: Challenges, Advances, Updates”. The guest speaker was Dr. Alan Magee, a consultant paediatric cardiologist from the National Heart and Lung Institute, Imperial College.

Research Grants

Christie CDC – Principal Investigator

- Source: The Jamaican Ministry of Health and the Global Fund to fight AIDS, TB and malaria Title: Consolidating existing gains while scaling up to provide universal access to treatment, care and prevention services with special emphasis on vulnerable populations in Jamaica.

Funds: UWI Ja\$ 58,352,335.00

- Source: Elizabeth Glaser Scientists Award
Title: The Immune Response to Acute Perinatal HIV Infection
Funds: US\$16,000 per annum
- Source: National Institutes of Health (NIH)
Title: The impact of CD8 T cells on viral control and evolution in HIV-infected infants.
Funds: US\$27,000 per annum

Pierre RP – Principal Investigator, Christie CDC

- Source: National Institutes of Health/Fogarty Research Fellowship
Title: Neuro-cognitive Function in HIV-Positive Children in a Developing Country
Funds: US\$66,156.00

M. Samms-Vaughan – Principal Investigator

- Title: The Jamaican Birth Cohort Study 2011 (JA Kids)
Source: International Bank for Reconstruction and Development (IDB)
Grant Period: 1/09/10 - 31/12/12
Total cost: US\$624,000.00
(US\$500,000.00 from IDB, US\$124,000.00 UWI Contribution)

M. Hossein Rahbar – Principal Investigator & **M. Samms-Vaughan (PI - Jamaican site)**

- Source : National Institutes of Health (NIH), National Institute of Child Health and Development (NICHD) and Fogarty International Centre (FIC)
Title: Epidemiology of Autism in Jamaica (Collaboration with the University of Texas)
Total cost: US \$300,000.00 (Jamaican site US \$110,000.00)

M. Thame – Principal Investigator

- Source: International Atomic Energy Agency (IAEA), Vienna
Title: Relationship between maternal nutritional status and pregnancy outcome. Protocol 3. Funds: €10,000.00

- Source: Caribbean Health Research Council
Title: Relationship between maternal nutritional status and pregnancy outcome. Protocol 3. Funds: US\$8,680.00

PAPERS PRESENTED

Bailey K

- Update on Asthma in Children” Caribbean College of Family Physicians. July 2011

Christie CDC.

- “UWI’s partnership - Regional Initiative for the Elimination of MTCT of HIV and Congenital Syphilis”, WHO/ PAHO/ UNICEF and UN Partners’ Meeting, Panama City, May 24-25, 2011.
- “Paediatric HIV and Eliminating its Vertical Transmission in Jamaica.” MOH Jamaica, Mid-term review of Jamaica’s National AIDS Program, Ministry of Health, with External Funding Organizations and Partners, Center for Diseases Control and Prevention, Monday, 30 May, 2011.
- Overview of Paediatric HIV/TB. WHO/ PAHO/ UNICEF and UN Partners’ Meeting, Panama City, July 6-8, 2011.

Harrison A.

- Adolescent Preventive Screening in a Resource Limited Country – Jamaica. Society for Adolescent Health and Medicine (SAHM) 2011 Annual Meeting, Seattle, Washington, March 31, 2011.

Melbourne Chambers R.

- Management of the infant with HIE. The UWI, Mona, Jamaica Department of Obstetrics & Gynaecology and Department of Child Health Perinatal Audit and Symposium, February 2011

- Validation of a Paediatric Epileptic Seizure Screening Tool. Second North American Regional Caribbean Conference on Epilepsy. Kingston, Jamaica. November 2010.
- **Melbourne Chambers R.**, Jaggan J, Antoine C. Pompe's Disease. Clinicopathological Conference, Faculty of Medical Sciences, UWI, Mona. October 2010

Miller M.

- The Child with Dysuria. 18th Biennial International Conference- Paediatric Association of Jamaica, Kingston, Jamaica, March 19, 2011
- Renee Morgan, **M. Miller.** Aetiology and antibiotic resistance of uropathogens in Jamaican children. Third Annual Conference on Nephrology and Hypertension Rose Hall – Jamaica, January 27, 2011

Pierre RB.

- Caribbean Association of Medical Councils (CAMC) Examination – a three year evaluation; presented, 19th Meeting of the Caucus of Caricom Ministers responsible for Health; 25-26 September 2010; PAHO Headquarters, Washington DC, USA.
- Ramkisson A, Roye ME, Amarakoon II, Hamilton CC, Eyzaguirre LM, **Pierre RB**, Figueroa P, Carr JK. Multiple drug resistance in Jamaican paediatric patients infected with HIV-1. West Indian Med J 2010; 59 (Suppl. 4): 24. 19th Annual Research Conference, November 10-12, 2010, Faculty of Medical Sciences, the UWI, Mona, Jamaica [Abstract O-9].
- Management of the HIV infected child. Mini-Symposium: Elimination of Vertical HIV Transmission and Paediatric and Perinatal HIV/AIDS Update, October 3rd and November 28th, 2010, Knutsford Court Hotel, Kingston and Jamaica Grande Hotel, Ocho Rios respectively; Jamaica's Paediatric, Perinatal and

Adolescent HIV/AIDS Program in collaboration with Jamaica Ministry of Health and Clinton Foundation

- Walker SY, **Pierre RB**, Christie CDC, Chang SM. Neurocognitive function in HIV positive children in a developing country. Department of Obstetrics & Gynaecology and Child Health 10th Perinatal Conference, February 16-17th 2011, Main Medical Lecture Theatre, Faculty of Medical Sciences, Mona, Jamaica
- Little people with a big disease: Paediatric HIV in the Emergency Department. 11th Jamaica Emergency Medicine Association Conference 27th March 2011, Jamaica Pegasus, Kingston, Jamaica.
- Christie CDC, Caffè S, Wilson V, Del Riego A, Jack N, Bain B, **Pierre RB**. Protecting our future generations: born free of HIV in the Caribbean. (E-poster) 6th IAS Conference on HIV Pathogenesis, treatment and prevention, 17-20 July 2011, Rome, Italy [Abstract CDC053].
- Lewis KRP, **Pierre RB**, Frankson MAC, Christie CDC, Jamaica's Paediatric, Perinatal and Adolescent HIV/AIDS Study Group. Haematological manifestations of human immunodeficiency virus (HIV) in an antiretroviral-naïve paediatric cohort. (E-poster) 6th IAS Conference on HIV Pathogenesis, treatment and prevention, 17-20 July 2011, Rome, Italy [Abstract CDB434].
- Christie CDC, Palmer P, Lewis K, **Pierre RB**, Moore J, Anderson-Allen M, et al. Jamaica is achieving MDG elimination targets for vertically transmitted HIV/AIDS. (Poster) 6th IAS Conference on HIV Pathogenesis, treatment and prevention, 17-20 July 2011, Rome, Italy [Abstract TUPE290].

Pottinger AM.

- The challenge of infertility and counselling for those assisted in family building. International Association for Counsellors Annual Conference, Holiday Inn Hotel, Montego Bay, June 13-17 2011.

- Grief and trauma management in the classroom. Seminar for Masters Guidance Counsellors, Ministry of Education, Breezes Hotel, Runaway Bay, Jamaica, May 17-18, 2011.
- Managing grief and trauma from a Counsellor's point of view" Child and Adolescent Mental Health Annual Workshop and Review, The Alhambra Inn Hotel, April 7, 2011.
- Assisted family building: psychosocial support for families after assisted reproductive treatment (ART)". 10th Annual Perinatal Conference, Department of Child Health, Main Lecture Theatre, Faculty of Medical Sciences, Feb 18-19, 2011.

Samms-Vaughan, ME.

- Improving Early Childhood Development in 0-3 year olds: The Jamaican Experience. UNESCO World Conference on Early Childhood Care and Education, Moscow, Russian Federation. September 2010
- Inter-Institutional Co-ordination in Jamaica: The National Strategic Plan for Early Childhood Development. Conference on Models of Early Childhood Service Delivery: Policy and Operational Lessons for the Andean Region. Inter-American Bank and Inter-American Institute for Economic and Social Development. Quito, Ecuador. July 2010.
- The National Strategic Plan for Early Childhood Development in Jamaica. National Forum on Quality Education 2010: Celebrating Colombia's Bicentennial. Bogota, Colombia. July, 2010.
- Gender Differences in Achievement at the Early Childhood Level. World Bank, Commonwealth Secretariat and UWI Conference on Boys and Education. Mona Visitors Lodge. UWI. June, 2010.

Thame M.

- Bringing Health Research into Focus: The Consequences of Kids Having Kids. MOH/CHRC National Research. Conference November 2010
- Nutrition in the newborn and retinopathy of prematurity MOH/ORBIS/UWI training programme on primary prevention of ROP. Sept 2010
- Maternal Production of Fetal Fuels during Pregnancy: Comparison of Nutrients between Adolescent and Mature Women, Tenth William Dennis Memorial Lecture, July 2011

Training Workshops:

- **Pottinger AM.** “Course on Grief Counselling” for mental health professionals and lay counselors; Young Women Christian Association, Head Office, Kingston, June 4 – July 9, 2011.
- “Managing emotionally affected children in the classroom”, One-day workshop for staff at Hillel Preparatory School; Hillel Academy, September 1 2010
- **Trotman H.** Chairman of conference organising committee. 10th Annual Perinatal Audit and Symposium “Update in Perinatal/Neonatal Medicine” Department of Obstetrics & Gynaecology and Department of Child Health.

PUBLICATIONS

Peer Review Journals

WIMJ = West Indian Medical Journal

- * Management of asthma in young children (<6yrs) and Management of asthma in children 6-13 years. In: Managing Asthma in the Caribbean. Commonwealth Caribbean Medical Research Council. www.chrc-caribbean.org Second edition March 2011: 19-35 **Bailey K**

- * Tang Y, Huang S, Dunkley-Thompson J, Steel-Duncan J, Ryland EG., St John MA., Hazra R, **Christie CDC**, Pelton SI, Feeney ME. “Correlates of spontaneous viral control among long-term survivors of perinatal HIV-1 infection expressing human leucocyte antigen - B57”. *Acquired Immune Deficiency Syndrome AIDS* 2010;19;24(10):1425-35.
- * Mussi-Pinhata MM, Motta F, Freimanis Hance L, de Souza R, Szyld E, Succi RCM, **Christie CDC**, Rolon MJ, Ceriotto M, Read JS, for the NISDI Perinatal Study Group. “Lower respiratory tract infections among HIV-exposed, uninfected infants”. *International Journal of Infectious Diseases*. 2010; 14 Suppl 3:e176-82.
- * **Christie CDC**, Duncan ND, Thame KT, Onorato MT, Smith HD, Malcolm LG, DiNubile MJ, Itzler R and Heaton P. “Pentavalent Rotavirus Vaccine in Developing Countries: Safety and Healthcare Resource Utilization”. *Pediatrics*, 2010; 126 (6):e1499-e1506. Epub 2010, Nov. 29.
- * Ryland EG, Tang Y, **Christie CD**, Feeney ME. “Sequence evolution of HIV-1 following mother-to-child transmission”. *Virology*, 2010 Dec;84(23):12437-44. Epub 2010 Sep 22.
- * Byam PR, **Pierre RB**, **Christie CDC**, Andiman WA, Pettigrew M and The Kingston Pediatric and Perinatal (KPAIDS) Study Group. “Antibiotic resistance among pathogens causing disease in Jamaican Children with HIV/AIDS”. *WIMJ*, 2010;57; 386-392.
- * Abdool-Karim Q, Banegura A, Cahn P, **Christie CDC**, Dintruff R, Distel M, Hankins C, Hellmann N, Katabira E, Lehrman S, Montaner J, Purdon S., Owor A, Rooney JF, Wood R, Heidari S. “Asking the right questions: developing evidence-based strategies for treating HIV in women and children”. *BMC Public Health*, 2011; 11:388 [<http://www.biomedcentral.com>;doi:10.1186/1471-2458-11-388] -

- * **Harrison A, Pierre R, G Gordon-Strachan, S Campbell-Forrester, K Leslie.** Adolescent Health Screening by Physicians in Jamaica. *Revista Panamericana de Salud Pública/Pan American Journal of Public Health* 2011;29(4):252-58
- * **Melbourne Chambers RH,** Gooden MA, Evans Gilbert TD, Jackson ST. Childhood chorea-encephalopathy associated with recent parvovirus B19 infection in two Jamaican children. *Annals of Tropical Pediatrics* 2010; 30: 339-44
- * **Miller M,** Gooden M, Shah D, Soyibo AK, Williams J, Barton EN. “Renal biopsy findings in Jamaican children”. *WIMJ* 59, 3 (2010):325-329.
- * Gooden M, **Miller M,** Shah D, Soyibo AK, Williams J, Barton EN. Clinicopathological features of atypical nephrotic syndrome in Jamaican children”. *WIMJ* 59, 3 (2010) 319-324.
- * Byam PR, **Pierre RB,** Christie CDC, Andiman WA, Pettigrew M, The Kingston Paediatric and Perinatal HIV/AIDS (KPAIDS) Study Group. Antibiotic resistance among pathogens causing disease in Jamaica children with HIV/AIDS. *WIMJ* 2010; 58 (4):386-92.
- * Harrison A, **Pierre R,** Gordon-Strachan G, Campbell-Forrester S, Leslie K. Adolescent health screening practices by physicians in Jamaica. *Rev Panam Salud Publica.* 2011;29 (4):252-8.
- * Kreitchmann R, Cohen RA, Stoszek SK, Pinto JA, Losso M, **Pierre R,** Alarcon J, Succi R, Szyld E, Abren T, Read JS. Mode of delivery and neonatal respiratory morbidity among HIV-exposed newborns in Latin America and the Caribbean: NISDI Perinatal-LILAC Studies. *Int J Gynaecol Obstet.* 2011 Aug; 114 (2): 91-6. Epub 2011 May 26.
- * Tulloch-Reid MK , Ferguson TS, Younger NOM, Van den Broeck J, Boyne MS, Knight-Madden JM, **Samms-Vaughan ME,** Ashley DE, and Wilks RJ. Appropriate waist circumference cut points for identifying insulin resistance in

black youth: a cross sectional analysis of the 1986 Jamaica birth cohort. *DiabetolMetabSyndr.* 2010 (Dec); 2: 68.

- * McCaw-Binns A, Ashley D, **Samms-Vaughan M**, Wilks R, Ferguson T, Younger N, Reece J Tulloch-Reid M and Foster-Williams K. Cohort Profile: The Jamaican 1986 Birth Cohort Study *Int. J. Epidemiol.* 2010
- * Lawrence-Wright MB, Boyne MS, Osmond C, Fraser RA, Soares-Wynter S, **Thame M**, Reid M, Taylor-Bryan C, Forrester TE. The effect of fetomaternal size and childhood growth on left ventricular mass and arterial stiffness in Afro-Caribbean children. *J Hum Hypertens.* 2010 Aug 19.
- * **Thame MM**, Fletcher HM, Baker TM, Marini JC, Kao CC, Jahoor F. Arginine Flux, but Not Nitric Oxide Synthesis, Decreases in Adolescent Girls Compared with Adult Women during Pregnancy. *J Nutr.* 2011 Jan; 141 (1):71-4.
- * **M Thame**, J. Lewis, IR Hambleton, **H Trotman**, GR Serjeant. Pattern of pregnancy weight gain in homozygous sickle cell disease and effect on birth size. *WTMJ* 2011; 60(1):36-40
- * Johnson N, Bishop K, **Trotman H**, Reid M. Congenital abnormalities at a tertiary center in Jamaica: An 18-month maternal-fetal Medicine experience. *J Matern Fetal Neonatal Med.* 2011 Jul 20.

Books

Pottinger AM and Milbourn P.

- * Caught in the middle: Helping children cope with their parents' separation or divorce. Kingston: Arawak Publishing, 2010.

Harrison A

- * Open-access online book entitled 'Pediatrics'. by In Tech, open-access publisher <http://www.intechweb.org/>.

Technical Report

- * Report on Administration of October/November 2010 Caribbean Association of Medical Councils Registration Examination. **RB Pierre**, A McDonald (Editors). Office of the Dean, Faculty of Medical Sciences, The University of the West Indies, Jamaica, November 2010. Report submitted to the Board of the Caribbean Association of Medical Councils.
- * Report on Administration of April/May 2011 Caribbean Association of Medical Councils Registration Examination. **RB Pierre**, A McDonald (Editors). Office of the Dean, Faculty of Medical Sciences, The University of the West Indies, Jamaica, May 2011. Report submitted to the Board of the Caribbean Association of Medical Councils.

Abstracts

- * Walker S, **Pierre R., Christie CDC**, Chang-Lopez S, Kingston Pediatric and Perinatal HIV/AIDS Program (KPAIDS) Research Group. Neuro-cognitive function in HIV-positive children in a developing country. Oral platform presentation. Pediatric HIV and ART Complications. XVIII International AIDS Conference. Vienna, Austria, July 18-23, 2010, Abstract # 11032.
- * Evans-Gilbert T., **Christie CD**, et al. Adherence to treatment and care for HIV-infected children in Western Jamaica. Oral platform presentation. HIV Adherence Conference, Miami, Florida, 2010.
- * **Hustedt J, Christie CD**, Hustedt MM, Esposito D. and Vasquez M. Sero-epidemiology of Human Bocavirus Infection in young children in Kingston, Jamaica. Poster presentation, Infectious Diseases Society of America 48th Annual Conference, Vancouver, British Columbia, Canada, October 2010, Poster presentation, Abstract # 2464.

- * **CDC Christie**, P. Palmer, K. Lewis, **R. Pierre**, J. Moore, M. Anderson-Allen, O. Morgan, L. Samuels, R. McCarthy, N. Johnson, T. Evans-Gilbert, B. Rodriguez, J. Dunkley-Thompson, A. Woodham, D. Haughton, C. Billings, A. McIntosh, B. Hamilton, S. Gilman, D. Swaby-Johnson, D. Croker, T. Heron-Moore, M. Hamilton, K. Harvey. “Jamaica is Achieving MDG Elimination Targets for Vertically Transmitted HIV/AIDS”. Poster presentation, 6th IAS Conference on HIV Pathogenesis, Treatment and Prevention; in Rome, Italy; 17 to 20, July 2011; (Abstract: 2763; A-361-0139-02763).
- * **CDC Christie**, S. Caffè, Wilson V., Del Riego A., Jack N., Bain. B, **Pierre R.** “Protecting our Future Generations: Born Free of HIV in the Caribbean”. Electronic poster and Abstract publication on CD Rom, 6th International Conference on HIV Pathogenesis, Treatment and Prevention; Rome, Italy; 17-20 July, 2011 (Abstract: A-361-0139-02644).
- * Lewis KRP, **Pierre RP**, Frankson M., **Christie CDC**. Hematological manifestations of human immunodeficiency virus (HIV) in an antiretroviral-naïve paediatric cohort. Electronic poster and Abstract publication on CD Rom, 6th IAS Conference on HIV Pathogenesis, Treatment and Prevention (IAS 2011), Italy, Rome 17-20 July 2011 (Abstract: A-361-0120-04180).
- * **CDC Christie**, S. Caffè, Wilson V., Del Riego A., Jack N., Bain. B, **Pierre R.** Protecting our Future Generations: Born Free of HIV in the Caribbean (# 2560). Poster presentation, Caribbean HIV Conference, Nassau Bahamas, Nov, 2011.
- * **A Harrison**, **R Pierre**, G Gordon-Strachan, S Campbell-Forrester, K Leslie. Adolescent Health Screening by physicians in Jamaica. *WIMJ* 2011; 60 (Supp2): 21
- * S Fletcher-Groves, **M Thame**, G Gordon-Strachan, **A Harrison**. Factors influencing the choice to breastfeed in Jamaica, *WIMJ* 2011; 60 (Supp2): 21

- * **Melbourne Chambers R**, Clarke D, Gordon-Strachan G, Tapper J, Tulloch-Reid MK. Validation of a pediatric epileptic seizure screening tool. *WIMJ* 2011 April; 60 (Suppl 2): 7
- * TM. Stephenson, M Jackson, H Williams, **M. Thame**. A Comparative study of dietary intake between pregnant adolescents and mature pregnant women. *WIMJ*, 2011; 60(Suppl.2):36.
- * C Rhoden, **M. Thame**, L Samuels, **H Trotman**. The effect of Diabetes Mellitus at the University Hospital of the West Indies. *WIMJ*, 2011; 60 (Suppl.2) : 25
- * Griffith A, **Antoine M**, **Trotman H**. The outcome of neonates receiving respiratory support using continuous positive airway pressure versus mechanical ventilation at the University Hospital of the West Indies. *WIMJ*, 2011; 60 (Suppl.2) : 31.

PUBLIC SERVICE

Christie CD:

- Member, WHO/ PAHO/ UN Agencies/ Partners
- Member, Latin American and Caribbean Elimination Initiative for Vertically-Transmitted HIV/AIDS and Syphilis
- Member, Latin American and Caribbean Initiative for Prevention of TB/HIV
- Member, Governing Council of the International AIDS Society, representing Latin America and the Caribbean
- Fellow, Infectious Diseases Society of America
- Founding Member, HIV Medicine Association of America
- Member, International Association of Physicians in HIV/AIDS Care

Pierre R.

- Chairman and Chief Examiner, Caribbean Association of Medical Councils Examination Committee
- Member, Examination Subcommittee, Caribbean Association of Medical Councils

Pottinger AM

- Disaster Mental Health Responder, Jamaica Red Cross
- Co-organiser, International Association for Counsellors Conference 2011
- Co organiser, Regional conference on Psychology in association with the Caribbean Regional Conference on Psychology, 2011

Trotman H

- Chairman Education committee, Paediatric Association of Jamaica Eighteenth Biennial International Paediatric Conference “Perspectives in Paediatrics”

Samms-Vaughan M.

- Chair, Early Childhood Commission
- Director, National Council on Education
- Member, National Advisory Council on Disabilities
- Director, Vaz Preparatory School Board
- Director, Promise Learning Centre School Board
- Director, Family Life Ministries
- Director, Usain Bolt Foundation

Thame M.

- Member, UHWI representative Medical Review Panel, MOH
- Scientific Secretary, Caribbean Health Research Council (CHRC)
- Reviewer, Journal Archives of Diseases in Childhood

- Alternate member, UWI, Boards of the Environmental Foundation of Jamaica (EFJ)

HONOURS AND AWARDS

Christie CD

- 2010 **“David Karzon Lecturer in Public Policy”**, entitled: *“Epidemic whooping cough, rotavirus gastroenteritis and pediatric HIV/AIDS: Implementing public policy from Cincinnati to Jamaica”*, Department of Pediatrics, Grand Rounds, Vanderbilt University, Nashville, Tennessee, USA
- 2010 Co-Chair, Pharmaceutical Industry Liaison Forum, Governing Council of the International AIDS Society, representing Latin America and the Caribbean.
- 2011 Principal’s Research Award, for Jamaica Paediatric, Perinatal and Adolescent HIV/AIDS Program (JaPPAAIDS), the **Research Project attracting the largest amount of external research funding**, Faculty of Medical Sciences, University of the West Indies.

Gabay L

- 2011 Principal’s Award for Best Research Publication 2009-2010: Growth, Body Composition and the Onset of Puberty: Longitudinal Observations in Afro-Caribbean Children

Pierre R

- 2011 Principal’s Research Award, for Jamaica Paediatric, Perinatal and Adolescent HIV/AIDS Program (JaPPAAIDS), the **Research Project attracting the largest amount of external research funding**, Faculty of Medical Sciences, University of the West Indies.

Thame M

- 2010 Outstanding Past Student, Meadowbrook High School

- 2011 Principal's Award for the Most Outstanding Researcher in the Faculty of Medical Sciences 2009-2010
- 2011 Principal's Award for Best Research Publication 2009-2010: 'Comparing the Glucose Kinetics of Adolescent Girls and Adult Women during Pregnancy'
- 2011 Principal's Award for Best Research Publication 2009-2010: Retained Placenta in Homozygous Sickle Cell Disease'
- 2011 Principal's Award for Best Research Publication 2009-2010: Growth, Body Composition and the Onset of Puberty: Longitudinal Observations in Afro-Caribbean Children.

DEPARTMENT OF COMMUNITY HEALTH AND PSYCHIATRY

**Professor Denise Eldemire-Shearer, BA *Bishop's (C)*, MB BS,
PhD *UWI* – Head of Department**

WORK OF DEPARTMENT

The work of the department for the year focused on consolidation of programmes in both the under graduate and post graduate programmes. In the undergraduate new methods of teaching including more use of virtual teaching to ensure “hands-on” for the increased class size were necessary.



In postgraduate there was consideration of the 2 new programmes (DrPH & Family Medicine) recently introduced ensuring all curricula were documented. Both new programmes involve distance teaching. All members of staff have embraced and contributed to the changes.

Undergraduate Programmes

Community Health courses are taught throughout the five years, and Psychiatry in years 1, 3 and 4. All the Year 1 courses were delivered to students at the Kingston and Western Jamaica campuses. Innovative changes were made in course delivery methods/ teaching methodology in-order to facilitate larger class sizes. The undergraduate programme was boosted with an injection of 1.5 million (JA) dollars’ worth of new equipment and material and the following three (3) courses were revised: 1) Introduction to Medical Practice, 2) the Family Study component of the Year 3 programme and 3) The Ambulatory Care Placement aspect of the Year 5 programme.

There is increased collaboration and strengthening of the teaching relationship with the Department of Surgery. Psychiatry is shifting focus more towards community mental health and there is an increase in the number of contact hours with the psychiatrist. The staffs' teaching performance and the course evaluations have remained the same over the past two years. The lecturers' student evaluation scores remain high, however the course evaluations are slightly lower; averaging 4.3. Staff members continue to hone their teaching skills by attending the various workshops hosted by the Instructional Development Unit (IDU) throughout the year.

Students continue to perform well in both of the end of semester examinations with high pass rates of 95-99% with only a few having official re-sits.

POSTGRADUATE

Family Medicine

Family Medicine has been completely reintroduced with the Diploma admitting six residents in September, 2011 and the DM being approved in July, 2011, admitting three residents.

All year I courses were revised and updated as were the objectives for clinical rotations for all four years in all disciplines. Cross Campus agreement was achieved on a final exit examination.

A resident's handbook was developed.

Master of Public Health

The Master of Public Health continues to contribute financially to the department. Despite the economic situation the class size of thirty was achieved with thirty three new students. Curriculum reviews continue with Epi 3- Infectious Disease being reviewed. Biostatistics 2 was reintroduced.

Evaluations continue to be fairly good. Semester I courses had an average of 4.3 and lecturers 4.5 while semester 2 courses averaged 4.5 and lecturers

4.7. Methods of evaluation and assessment were reviewed and modified for several courses to reduce assignment overload. The final examination was also revised. The cross campus collaboration continues with Cave Hill and St Augustine.

MPhil /PhD

The regulations have been revised led by a Cave Hill initiative. Throughput was improved with four persons submitting of which two have completed.

DrPH

The DrPH had its first examination for cohort 1 with all candidates successful. This cohort has entered the second half of the practicum. The programme is seeing increased applications.

Psychiatry

DM - Two persons completed the DM. Course reviews particularly in the Basic Medical Sciences components continues. The Clinical Fellowship in Child and Adolescent Psychiatry Fellowship has received approval and five government-placed psychiatrists are completing the programme. They will serve as mentors for the programme.

Mona Ageing and Wellness Centre

The centre has continued working on introducing Age-Friendly Primary Health Care in the region. Work has been done in Trinidad and Dominica.

Collaboration continued with Case Western in this activity.

Community training of caregivers continues with eleven participants in the six month course. The centre hosted training for Poor Relief Officers to complete the training required by the Public Health Activity. Workshops were held in association with Local Government and Help Age International.

Other programmes

Emergency Medical Technician training was transferred to the Department of Surgery.

Diabetic Outreach Programme

The Department as part of its outreach activities collaborates with Caribbean Certified Diabetes Educators to offer training for diabetic educators.

To date over 600 clinicians have been trained in Jamaica, Guyana, Trinidad, the Bahamas, and the Cayman Islands since 2004. To date, 16 clinicians have successfully sat the exam in Jamaica and the Bahamas, with many others working on the 250 hours as work schedules will permit.

Services

Clinical services continue to be offered by the August Town Health Clinic and Psychiatry.

The Community Health Centre, Department of Community Health and Psychiatry continued to provide services to 12 communities in Zone 6 of the Kingston and St. Andrew Health Department. The Health Centre offers Maternal and Child Health (MCH) and curative services.

During the period August 1, 2010 to July 31, 2011 a total of 6,894 patients were seen on the curative side and 8,028 on the MCH side. Services offered by the MCH section include antenatal and postnatal care, well-baby clinic and immunizations, family planning and Pap smear clinics. In addition to dealing with the medical complaints of patients, the doctors on the curative side also emphasize health promotion and screening. The Ageing Toolkit for elderly patients addressing the four geriatric giants was reintroduced in March 2011 and now forms a part of the routine primary care for our elderly patients. There is a Medical Social Worker in the clinic who assists in addressing the social needs of patients. A team of a doctor, community health aide and social worker do a limited number of home visits as the need arises for patients in the area who are unable to come to the clinic.

The Health Centre is also a training site for undergraduate medical, nursing and social work students, Family Medicine, Emergency Medicine and Psychiatry residents. It also acts as a centre for research projects carried out by a number of persons including those pursuing the Master of Public Health Course.

PAPERS PRESENTED

- **Abel W.** “Treating depression in Primary care settings” Alhambra Inn Hotel, November 2010
- **Abel W.** “Legalization of Marijuana” The AFJ/ Cobb Lecture Series, Medallion Hall Hotel, January, 2011.
- **Abel W.** “Is there a role for Cognitive Therapy in Primary Care” The Caribbean College Family Physicians Conference, University of the West Indies, Mona, February 2011.
- **Abel W.** “Circadian Rhythm and Depression”. Consortium of Caribbean Psychiatrists Conference, Mariott Hotel, Barbados, May 2011.
- **Abel W.** “Mental Health and the Workplace.” Annual Mental Health Conference, Jamaica Conference Centre, June 2011.
- **Abel W.** “Emotional and Behavioural Disorders in Children.” The Jamaica Teacher’s Association Conference, JTA’s Conference Room, July 2011.
- **Bailey A.** “Parenting in a volatile society” Churches Cooperative Credit Union Annual Parenting Seminar, Wyndham Hotel, May 24, 2010.
- **Bailey A,** Hall S. “HIV Prevention knowledge, attitudes and practices among Jamaican adolescents.” Caribbean Child Research Conference, Jamaica Conference Centre, October 20th 2010.

- **Campbell N.** “Violence Against Jamaican Public Health Inspectors” (In collaboration of with MPH graduate) 64th Educational Conference and Exhibition of the Jamaica Association of Public Health Inspectors, October 26 - 28, 2010.
- **Campbell N.** “Key considerations in Enhancing the Image and Impact of the Public Health Inspector in Jamaica and Strengthening the Port Health and Quarantine Services in Jamaica: A key role for the Public Health Inspector.” The Annual Retreat of Jamaica Association of Public Health Inspectors (JAPH), Executive Council and key leaders in environmental health, January 21-23, 2011.
- **Eldemire-Shearer D.** “Caribbean Population Ageing and Healthy Ageing- Implementing a Clinical Toolkit, Regional Nursing Body’s Annual Conference, Grenada July 30-31, 2010.
- **Eldemire-Shearer D.** “Aggression in the Elderly.” The Jamaica Psychiatric Association Annual Seminar, Mona Visitors’ Lodge August, 15, 2010.
- **Eldemire-Shearer D.** “Helping to Achieve the Millennium Development Goals.” The Advanced Materials Workshop, Ocho Rios, August 19, 2010.
- **Eldemire-Shearer D.** “Health Issues of Older Persons and Millennium Development Goals.” The Non-Government Organization (NGO) Committees’ celebration of International Day of Older Person - United Nations (UN), Thursday, October 7, 2010.
- **Eldemire-Shearer D.** “Collecting Data to Monitor Progress Towards Implementation of the Madrid International Plan of Action on Ageing.” The United Nation’s Population Fund (UNFPA) New York, December 9-10, 2010.
- **Eldemire-Shearer D.** “Health, Ageing and Demographic Change: Can we make a difference?” Caribbean Community and the Commonwealth: Collective Responsibility in the 21st

Century, hosted by the UWI and the Commonwealth Secretariat, Mona Visitors' Lodge, February 16-18, 2011.

- **Eldemire-Shearer D.** “Age Friendly Primary Health Care.” Caribbean College of Family Physicians: Primary Care Conference - Taking Charge of the Wellness Revolution, Medallion Hall Hotel, February 25-27, 2011.
- Hobbs M, Gordon F, Jones-Cooper C, Eastman S, Hylton-Kong T, Watson-Grant S, Weir SS, **Figueroa JP**, Performance of Reverse Sequence Syphilis Screening in Jamaica. 19th Biennial Conference of the International Society of STD Research, Quebec City July 2011
- **Hickling FW**, Environmental Challenges and mental health – the Caribbean experience XX World Psychiatric Association Conference, Marrakesh Morocco, October 2010
- **Hickling FW**, “Liberating the African Mind: A personal Odessey” Andrea Delgado keynote Lecture: black Psychiatrists of America, St. Thomas VI November 2010
- **Hickling FW**, Paisley V, Robertson-Hickling, H. “Creating a global primary care mental health presence for the Caribbean via cyberspace”. The Advanced Study Institute Workshop: ‘Cultures of the Internet: Identity, Community and Mental Health’. McGill University, Montreal, Canada, April 26-29, 2010.
- **Hickling FW**, “A global perspective of pharmacotherapy” Howard University Grand Rounds, June 23, 2011.
- **Hickling FW**, “Personality Disorder and Conflict in Jamaica” Annual Conference of the Jamaica Psychiatric Association, Mona Visitors' Lodge, Kingston, July 7, 2011
- **Holder Nevins D.** “The Adolescent Sexual Health”. Training session hosted by the Ministry of Health and the UWI, Breezes Runaway Hotel, Saturday, December 4, 2010.

- **Jackson M.** “Prostate Cancer: dietary risk factors” Seminar presentation at the SUNY Summer Training Program in Prostate Cancer Epidemiology, SUNY Downstate Medical Center, Brooklyn, NY, USA. August, 2010
- **Jackson M.** “Prostate Cancer in Jamaica: The Contribution of Diet and Lifestyle factors.” The SUNY Summer Training Program in Prostate Cancer Epidemiology, SUNY Downstate Medical Center, Brooklyn, NY, USA., August 2010.
- **Jackson M,** Bennett F, Tulloch-Reid M, McFarlane-Anderson N, Walker S. “Serum and dietary calcium and risk of prostate cancer in Jamaican men” 3rd Annual International Conference of the African-Caribbean Cancer Consortium, Miami, USA, November, 2010.
- **Jackson M,** Flores-Obando R, Emanuela Taioli E, Bunker C, Ferrell R, Kidd L, Lavender N, Park J, Patrick A, Rebbeck T, Zeigler-Johnson C, Ragin C. “Pooled Analysis of GSTMI, GSTI, and GSTP1 gene polymorphisms and prostate cancer risk in populations of African decent: a preliminary analysis.” The African- Caribbean Cancer Consortium, Miami, USA, November, 2010.
- **Jackson M.** “The Prostate Cancer Risk and Evaluation Study - The contribution of diet and lifestyle factors to prostate cancer in Jamaica.” The Jamaica Conference Centre, March 17, 2011.
- Lindo J, **Holder-Nevis D,** Dover-Roberts D, Dawkins P, Hepburn-Brown C, Bennett J. “Improving the attitude towards research among graduate students.” 22nd Annual Nursing Midwifery Research Conference and 23rd Annual Mary J. Seivwright Day, The UWI School of Nursing, May 26 - 27, 2011.
- Lindo J, **Holder-Nevis,** Aiken J, Pounall P, Thomas M, Reid-Baker C, Ward E. “Mitigating Workplace Violence in a Jamaican Hospital.” First International Public Health Conference

University of Technology, Jamaica, Wyndham Hotel, May 28 -29, 2011.

- Longmore S, **Gibson R**. “The menstrual cycle and psychiatric symptom severity among patients in a psychiatric treatment facility in Jamaica, 4th World Congress on Women’s Mental Health, Madrid, March 17, 2011.
- **McCaw-Binns A, Holder Nevins D, Alexander S, Bailey A**. “Adverse consequences of uninformed adolescent sex: From STIs to Pregnancy, abortion and Maternal Death.” The third America’s Regional Midwifery Conference, The UWI School of Nursing, May 28th 2010.
- McFarlane-Anderson, Tulloch-Reid MK, Bennett F, Coard K, **Jackson M**. “Is inflammation associated with prostate cancer?” 3rd Annual International Conference of the African-Caribbean Cancer Consortium, Miami, USA. November, 2010.
- Tulloch-Reid M, Aiken W, Morrison B, Tulloch T, Mayhew R, Wan R, Bennett F Coard K, **Jackson M**. “Body mass index and prostate specific antigen levels in Jamaican men.” 3rd Annual International Conference of the African-Caribbean Cancer Consortium, Miami, USA, November, 2010.
- Richards N, **Abel W, Gibson R**. “Depression and associated risk factors in adult patients with diabetes attending three primary care health centres in Kingston and St. Andrew, Jamaica.” The UWI Annual Research Conference, Kingston, November 2010.
- **Scarlett H**. “Global Resurgence of Bedbugs: Concerns for the Jamaican Public Health Inspectorate.” The 64th Annual Conference and Exhibition of the Jamaica Association of Public Health Inspectors (JAPHI), Iberostar Rose Hall Beach Hotel, Wednesday, October 27, 2010.
- **Standard Goldson A**. “Postgraduate Teaching of Family Medicine in Jamaica.” The UWI Medical Alumni Association Reunion Conference, Barbados, November 17, 2010.

- **Sewell C.** “Management of the Sex Offender.” The Jamaica Psychiatric Association Annual Seminar, Mona Visitors’ Lodge, August 15, 2010.

Abstracts and Posters

- Aiken J, Lindo JLM, **Holder- Nevins D**, Pounall V, Thomas M, Reid-Baker C, Ward E.(2010). Lateral violence in nursing: the experience in two urban hospitals in Jamaica. *WIMJ* 59 (Supplement 4) pg 46.
- Flores-Obando RE, Taioli E, Bunker CH, Ferrell RE, **Jackson M**, Kidd LC, Lavender NA, Park JY, Patrick AL, Rebbeck TR, Zeigler-Johnson CM, Ragin C. Pooled analysis of GSTM1 and GSTT1,GSTPI gene polymorphisms and prostate cancer risk *in* populations of African descent: a preliminary analysis. Proceedings of the 3rd Annual International Conference of the African-Caribbean Cancer Consortium, Miami, USA. November, 2010. No.6.
- **Holder-Nevins D, Bailey A, James K.** Internship as a component of a graduate public health training programme. The 20th IUHPE World Conference on Health Promotion Geneva Switzerland July 2010.
- Lindo J, **Holder-Nevins D**, Aiken J, Pounall V, Thomas M, Reid-Baker C, Ward E. Mitigating Workplace Violence in a Jamaican Hospital” *WIMJ* 59 (supplement 4) pg 47.
- Aiken J, Lindo J, **Holder-Nevins D**, Pounall V, Thomas M., Reid-Baker C., Ward E. Lateral Violence in nursing: the experience in two urban hospitals in Jamaica. *WIMJ* (supplement) Vol. 59: (Suppl 4) 46
- Carrington D, Duncan J, Lindo J, Barton E, Clarke T, Barrow G, **Figuroa J**, Harvey K, Baseline assessment of adherence to antiretroviral therapy among patients with HIV/AIDS in Jamaica. *WIMJ* 2010; 59 (Suppl 4): 40.

- **Figueroa J. P.**, Weir S. S., Byfield L, Hall A, Cummings S, Suckindron C. The Challenge of promoting safe sex at sites where persons go to meet new sex partners in Jamaica: results of the Kingston PLACE randomized controlled trial. *Tropical Medicine and International Health* 2010; 15 (8): 945–954 2010.
- **Figueroa JP**, Weir SS, Jones Cooper C, Byfield L, Eastman S, Hobbs M, Duncan J. High HIV rates among MSM in Jamaica despite increased prevention efforts. Poster presentation P1-52.61
- Weir SS, **Figueroa JP**, Jones Cooper C, Hylton-Kong, Hobbs M, Rich K, Byfield L. Association between age and STI among MSM in Jamaica. Poster presentation P1-52.63
- Hobbs M, Gordon F, Jones-Cooper C, Eastman S, Hylton-Kong T, Watson-Grant S, Weir SS, **Figueroa JP**, Performance of Reverse Sequence Syphilis Screening in Jamaica. 19th Biennial conference of the International Society of STD Research Quebec City July 2011
- Hamilton C, Roye M, **Figueroa P**, Eyzaguirre L. M, Carr J. K, Duncan J. *WIMJ* 2010; 59 (Suppl 4):38-39.
- **Holder-Nevins D, Bailey A., James K.** Internship as a Component of a Graduate Public Health Training Programme. Conference proceedings: International Conference of the International Union of Health Promotion and Education Geneva, July 2010.
- Longmore S, **Gibson R** (2011) The menstrual cycle and psychiatric symptom severity among patients in a psychiatric treatment facility in Jamaica. 4th World Congress on Women's Mental Health, Madrid, March 17, 2011.
- Lindo J, **Holder-Nevins D**, Aiken J, Pounall V, Thomas M, Reid-Baker C, Ward E.. Mitigating workplace violence in a Jamaican hospital. *WIMJ* (supplement) Vol. 59: (Suppl 4) 46.

- Ramkissoon A, Roye M. E, Amarakoon II, Hamilton C. C, Eyzaguirre L M, Pierre R. B, **Figueroa P**, Carr J. K. Multiple drug resistance in Jamaican paediatric patients infected with HIV-1. *WIMJ* 2010; 59 (Suppl 4): 24-25.
- **Scarlett H. P**, Delzell E, Sathiakumar N, Oestenstad R. K, Postlethwait E. Knowledge, Attitudes and Practices of Hospital Employees/Workers with Respect to Asbestos, Its Potential Health Hazards, and Management. *Journal of Environmental Health Research*, **Abstracts** 2010; 10 (01): 3.

PUBLICATIONS

Peer Reviewed Journal Articles

WIMJ = West Indian Medical Journal

- * **Abel W**, Henry R, Wright E, **Sewell C**, **Eldemire-Shearer D**. Integrating Mental Health into Primary Care: An Integrative Collaborative Primary Care Model-The Jamaican Experience. *WIMJ* V3 2011 Vol. 60: 483-9
- * **Abel W**, **Sewell C**, **Eldemire-Shearer D**. Decriminalization of Marijuana: Is this a realistic public mental health policy for Jamaica? *WIMJ* Vol. 60, No 3 (2011)
- * **Anderson S**, Younger N, Heald A, Tulloch-Reid M, Simukonda W, Mbanya J, **Jackson M**, Balkau B, Sharma S, Tanya A, Forrester T, Wilks R, Kennedy Cruickshank J. Nutrient intakes and dysglycaemia in populations of West African origin. *Br J Nutr.* 2011 Jan; 105 (2): 297-306 online.
- * Andrinopoulos, K, **Figueroa, J Peter**, Kerrigan, Deanna and Ellen, Jonathan M. (2010). 'Homophobia, Stigma and HIV in Jamaican Prisons', *Culture, Health & Sexuality*, October 22, 2010 URL: <http://dxdoi.org/10.1080/13691058.2010.521575>
- * **Bailey A** "The Jamaican Adolescent's Perspective on Violence and its Effects" *WIMJ* Vol. 60 No. 2 106 -248, March 2011.

- * Fletcher H., **Figueroa, J Peter**, Braithwaite A., Hylton-Kong T. (2011). Poverty, Folate Deficiency, Human Immo-deficiency Virus and Ulcerated Vulval Sexually Transmitted Disease in Jamaica. *WIMJ* Vol. 60 No. 2 137-40.
- * **Figueroa, J Peter**, and Jones-Cooper C. (2010) Attitude towards male circumcision among attendees of a sexually transmitted infection clinic in Kingston, Jamaica. *WIMJ* 2010; 59(4):351-5.
- * Duncan J, Grant Y, Clarke T, Harvey K, **Gibson R**, Barrow G, **Abel W**, Barton E, **Figueroa P**. Socio-demographics and clinical presentation of HIV in Jamaica over 20 years - A comparative analysis of surveillance data. *WIMJ* 2010; 59 (4): 409-417.
- * **Eldemire-Shearer D, James K, Morris C, Holder-Nevins D, Laws H, Harris M**. Chronic disease and ageing in the Caribbean: Opportunities knock at the door. *WIMJ* 2011 60: 471-7.
- * **Gibson, R**, Radlein, K, Barnaby, L, **Lowe G**, Reynolds, P, McLennon, N. (2011). The case of the missing key: Cultural underpinnings of the ingestion of a foreign body in a psychotic patient. *Psychosis: Psychological, Social and integrative approaches*, 3 (2), 151-159.
- * **Gibson, R, Martin J**, Neita S. (2010) Mental illness and public health: exploring the role of general hospital physicians at a teaching hospital in Jamaica. *WIMJ*, 59 (6), 662-667.
- * **Gibson R**, Jimenez A, Cutie B, Hamilton E, Hechavarria C. (2010). Afro-centric religious consultations as treatment for psychotic disorders among day hospital patients in Santiago de Cuba. *Mental Health, Religion & Culture*, DOI: 10.1080/00036840802360179.
- * **Hickling Frederick W.**, Robertson-Hickling Hilary, Paisley Vanessa. (2011) “Deinstitutionalization and attitudes towards

mental illness: a qualitative study” *J Pan American Public Health Rev Panam Salud Publica* Vol. 29 No. 3 Washington Mar 2011.

- * **Holder-Nevins D, James K, Bailey A, Eldemire-Shearer D.** “Are parents in tune with music their adolescent children enjoy? Are there missed opportunities for sexual & reproductive health dialogue?” *WIMJ* Vol. 60 No. 2 158-64, March 2011
- * **Jackson M,** Walker S, Younger N, Bennett F. Use of a food frequency questionnaire to assess diets of Jamaican adults: validation and correlation with biomarkers. *Nutr J.* 2011 Apr 9; 10 (1):28
- * **Jackson M,** McFarlane N, Simon G, Bennett F, Walker S. Urinary phytoestrogens and risk of prostate cancer in Jamaican men. *Cancer Causes Control.* 2010; 21:2249-57.
- * Jackson M. Ethnicity and Health moving from migrant to transnational studies. *Ethn Health.* 2010; 15(3):219-21.
- * Anglin-Brown, Mullings J., **James K.** (2011) Epidemic Management: A Caribbean University’s Response to the 2009 HINI Outbreaks. *WIMJ* 2011 vol. 60 No. 2 203-13.
- * Brown E., **Maharaj S., James K.** (2011). The Need for Gender Specific Tobacco Control Strategies: KAP Survey Finding on Environmental Tobacco Smoke Exposure among women in the Reproductive age group. *WIMJ* 2011 Vol. 60 No. 2 208-13
- * **Morris C, James K, Eldemire-Shearer D, Holder-Nevins D.** Health status and health seeking behaviours of Jamaican men fifty five years and over. *WIMJ* Vol. 60, No 3 (2011)
- * **Sewell, C, Martin J, Abel W.** (2010) Eating Disorders: An Emerging Psychopathology. *WIMJ.* Vol. 59 (6) 589-591.
- * **Sewell C, Martin, J, Abel W.** (2010) Advancing Forensic Psychiatry in Jamaica. *WIMJ* Vol. 59, No: 3, 233-344.

- * Smith D, **Maharaj S, James K.** Satisfaction with Pharmacy Services and its relationships with the control of selected chronic diseases. *WTMJ*. Vol. 60, No. 3 (2011).
- * Taioli E, Flores-Obando R, Agalliu I, Blanchet P, Bunker C, Ferrell R, **Jackson M**, Kidd L, Kolb S, Lavender N, McFarlane-Anderson N, Morrison S, Multigner L, Ostrande E, Park J, Patrick A, Rebbeck T, Romana M, Stanford J, Ukoli F, Vancleave T, Zeigler-Johnson C, Mutewa B, Ragin C. Multi-institutional prostate cancer study of genetic susceptibility in populations of African descent. *Carcinogenesis*. June 24, 2011.
- * Tulloch-Reid MK, Aiken W, Morrison B, Tulloch T, Mayhew W, Wan RL, Bennett FI, Coard KC, **Jackson MD.** Body mass index and prostate specific antigen levels in Jamaican Men. *WTMJ*. Vol. 60, No 3 (2011).
- * **Maharaj S.** Preparing Medical Graduates to Practice in a Changing Environment: Complementary/Alternative Medicine in the Medical Undergraduate Curriculum of the University of the West Indies. *WTMJ* 2011; 59 (3) 284-286.
- * **Martin J, Sewell C, Abel W.** Substance Abuse Treatment - the special needs population. *WTMJ* 2010; Vol. 59, No.1:1, 82-83
- * **McCaw-Binns A,** Ashley D, Samms-Vaughan M, Wilks R, Ferguson T, Younger N, Reece J, Tulloch-Reid M, Foster-Williams K. Cohort Profile: The Jamaican 1986 Birth Cohort Study. *International Journal of Epidemiology* 2010 Aug 30. [Epub ahead of print]. PMID: 20805108.
- * **Morris C, James K, Eldemire-Shearer D.** (2010). Gender, Culture, Retirement and Older Men in Jamaica: Findings from a Survey. *Culture, Society & Masculinities*, 2(2), 136-153.
- * Reddy S, Edwards C, Wood M, O'Garro, K, **Morgan K,** Edwards L, Wellington C, McDougald C, Feliu M, McNeil J, Whitfield K. (2011). Body Image in a sample of Adult African

- American Males & Females with Sickle Cell Disease (SCD). *Journal of African American Studies*, 15, 115-119.
- * **Scarlett H**, Delzell E, Sathiakumar N, Oestenstad R, Postlethwait E. Exposure to airborne asbestos in Jamaican hospitals. *WTMJ* 2010; 59(6): 668-73.
 - * **Sewell C, Martin J, Abel W**. Domestic Violence: Its Prevalence and Profile. *WTMJ* 2010; Vol. 59, NO: 1:1, 1-2.
 - * **Sewell C, Martin J, Abel W**, Advancing Forensic Psychiatry in Jamaica. *WTMJ* 2010; 59 (3) 223-4.
 - * Webster-Kerr K, **Figueroa JP**, Weir P, Lewis-Bell K, Baker E, Horner-Bryce J, Lewis-Fuller E, Bullock DuCasse M, Carter K, Campbell-Forrester S. Success in controlling a major outbreak of malaria because of Plasmodium falciparum in Jamaica. 2011; 16(3): 298-306.
 - * Brodie-Walker, S. and Morgan, **K.A.D.** Eds. Osei-Mensah Aborampah and Niara Sudarkasa. The impact of family structure on child development in Jamaica. In pillars of strength: Extended Families in Africa and the African Diaspora, pp 337-352. *Africa World Press*.
 - * Stoler J, Brodine SK, Bromfield S, Weeks JR, **Scarlett HP**, 2011. Exploring the relationships between dengue fever knowledge and Aedes aegypti breeding in St. Catherine Parish, Jamaica: a pilot of enhanced low-cost surveillance. *Res Rep Trop Med* 2:93-103.

Technical Reports

- * **Jackson M**, Tulloch-Reid M, McFarlane-Anderson N. Prostate Cancer in Jamaican men: are there associations with inflammation, infection and genetic predisposition? CHASE Fund. April, 2011. Kingston. (49 pages).
- * **Abel W**. Knowledge, Attitude and Practice Survey on Mental Health -11, 2010 - 2011. (Ministry of Health, Jamaica)

- * **Abel W.** Audit of Substance Abuse Treatment Facilities in Jamaica, (2010-2011). (Ministry of Health/National Council on Drug Abuse, Jamaica).
- * **Abel W.** Client Satisfaction Survey-Child Guidance Services in Jamaica (2010). (Ministry of Health Jamaica).

Book Chapters

- * Hickling FW, (2011) “Jamaica” In Ed Hamid Ghodse – International perspectives on mental health. London Royal College of Psychiatry Publications
- * Hickling FW, Finding the Link between Traditional Healing and Western Health Care Practices: Interrogation/ Collaboration. In Ed Marcia Sutherland, Caribbean Healers and Practices in Health and Mental Health Care. U of Toronto

PUBLIC SERVICE

P. Figueroa

- Member, WHO Scientific Advisory Group of Experts on Immunization (SAGE)
- Member, WHO International Health Regulations Roster of Experts (Poliomyelitis)
- Chairman, UNAIDS Reference Group on HIV Prevention
- Vice Chair, Regional Coordination Mechanism Harmonization Committee
- Member, Pan – Caribbean AIDS Partnership (PANCAP)
- Member, Global HIV Prevention Working Group
- Member, WHO Eastern Mediterranean Region Technical Advisory Group on Polio Eradication

W. Abel

- PAHO Consultant, Turks and Cacaos, Post Hurricane Recovery November

- Technical Advisor, Strategic and regional Action Plan for Mental Health CARICOM / PAHO
- Member, Child and Youth Mental Health Framework for Canada

A. McCaw Binns

- Member, World Health Organization: Maternal and Perinatal 2008-9 Health Topic Advisory Group
- Member, Planning Institute of Jamaica. Population Task Force, Ministry of Health. Maternal Mortality Committee
- Member, Vital Statistics Commission, Jamaica (Secretariat: Planning Institute of Jamaica)

R. Gibson

- President, Jamaica Psychiatric Association Education & Publication Committee
- Chairman, Medical Association of Jamaica

W. DeLa Haye

- Member, Medical Association of Jamaica Symposium Committee
- President, WIGUT Jamaica
- Team Leader, UWI/WIGUT Negotiations
- 1st Vice President, Medical Association of Jamaica (MAJ)
- Member, (MAJ Rep) –National Council on CME (NCCME)
- Panelist Member, Fulbright/Hubert Humphrey Fellowship 2010 US State Department, US Embassy, Kingston -Scholarship Selection Panelist

M. Jackson

- Board member, Journal ‘Ethnicity and Health’ Manuscripts for Paediatrics and Perinatal Epidemiology
- Reviewer, Public Health Nutrition European Journal of Clinical Nutrition West Indian Medical Journal

S. Maharaj

- Member, Executive Committee of the Caribbean Association of Medical Councils (CAMC)
- Member, Examination sub – Committee of the Caribbean Association of Medical Council (CAMC)
- Member, Board of Director of the National Resuscitation Council of Jamaica Honorary Consultant, Foundation of International Self Help (FISH)

T. Ricketts-Roomes

- Member, Hanover Street Baptist Outreach Clinic Committee
- Member, Community Health Centre Outreach Committee
- Co-opted member, UWIMAA and UWIAA

N. Campbell

- Council Member, Jamaica Occupational Health Professionals' Association
- Founding Member and Deputy Chair, Steering Committee, Jamaica Association of Public Health Inspectors (JAPH)
- Executive Council Member & Action Public Relations Officer

H. Laws

- Member, Optimist Club of Kingston
- Volunteer, Youth Opportunities Unlimited
- Volunteer, Women's Resource & Out-reach Center on Beech wood Avenue

D. Eldemire-Shearer

- Member, World Health Organization Advisory Committee on Ageing & Health
- Patron, National Council for Senior Citizens
- Member, Central Health Committee – Ministry of Health
- Chairman, Medical Council Appeals Committee

- Member, Planning Institute of Jamaica Task Force preparing the Vision 2030
- Member, American Public Health Association (APHA)
- Member, American Gerontological Association of America

Staff

There were no major changes for 2010 -2011. Two of the three staff vacancies were filled and efforts continue to recruit someone with health management experience.

Dr. Roger Gibson was promoted to Senior Lecturer.

Members continue to attend the Instructional Development Unit Workshops with several persons attending workshops on:

- OURVLE training
- Quality Assurance: Quality and the responsible conduct of research for faculty members and graduate students.
- The scholarship of teaching and learning.

Research

There were 36 publications in peer reviewed journals 2, book chapters and 16 abstracts. The research output from the Section of Psychiatry continues to make a major contribution to the department output. Forty presentations locally and internationally have been made.

The formation of research teams has been effective in Psychiatry and the Ageing Research group.

Several members have secured research grants from the Principal's New Initiative Grant. A study on dementia in August Town and Mona has been completed while two new projects on (1) Sexuality in older persons, (2) issues of prisoners, and (3) Factors Driving Sexual Decision Making and HIV Risk among Sex Workers in Jamaica have recently received funding.

Major research interests in the Department continues

- Prostate Cancer
- HIV/Aids
- Ageing Issues
- Mental Health Issues

CATEGORIES OF STUDENTS

	Numbers of Students	Graduate
Year 1- Health Care Concepts (MDSC1203)	284	
Year 2- Health and Environment (MDSC2105)	270	
Year 3- Health Services Management – Web-based (MDSC3104)	181	
Understanding Research (MDSC3200)	181	

Clerkship Rotations

Year 3- Psychiatry	181
Community Health- (MDSC3203)	181
Year 4- Psychiatry- (MDSC4011)	144
Community Health-(MDSC4002)	144
Year 5- Community Health- (MDSC5001)	109

Other Students

Community Care of the Elderly	11
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Postgraduate

Master of Public Health	32	
Master of Public Health/Health Promotion	4	
DM Psychiatry	12	2
PhD Public Health -	4	2
Family Medicine	16	
DrPH	24	

DEPARTMENT OF MEDICINE

**Professor Michael Gibson Lee, MB BS *UWI*, DM (Internal Medicine) *UWI*, FRCP(C), FACP, FACG, FRCP(Edin)
– Head of Department**

WORK OF THE DEPARTMENT

The Department continued to provide excellence in teaching and service whilst maintaining its research output despite experiencing several challenges during the period August 1, 2010 to July 31, 2011. There was a changing of the guards with the previous Head demitting office August 2010. The Department is grateful to Professor E. Barton for his tremendous work as the previous Head.



Teaching

The main challenge for the Department was the increasing number of Undergraduate students in the MBBS programme. The dedicated staff rose to the challenge and adapted to the increased number of students. Although the bulk of students were assigned to the University Hospital of the West Indies (UHWI), some of the 5th year students were assigned to the Kingston Public Hospital (KPH), the Cornwall Regional Hospital and the Mandeville Regional Hospital. The Associate Lecturers at these institutions were able to accommodate and teach the students adequately. The feedback was generally good from the students regarding their experience at the peripheral sites. The 3rd year clinical students were divided between KPH and the UHWI.

The teaching at UHWI for the MBBS programme has been evolving to a more patient and problem oriented method. In addition to the small group assignments there are set teachings to all students on a daily basis. The

guidelines for the clerkships have been updated and the topics for the daily teachings standardized.

The main May/June final MBBS final examination was conducted very successfully and of the 112 students taking the Medicine examination 111(99%) passed with 14 obtaining Honours. The excellent result is certainly one of the highest passing rates in the examination and the highest number receiving Honours.

The DM programme was established nearly 40 years ago and continues to be strong with dedicated teachers. The programme continues to train specialists in Internal Medicine for Jamaica and the Caribbean. However, there is a need to train subspecialists and the Department is to start Fellowship subspecialty training. Nephrology Fellowship training has started. Approval has been obtained to start training in Cardiology and Gastroenterology.

Research

The research output has increased over the past two years and approximately 30 full peer reviewed articles were published in 2009 – 2010 and 20 in 2010 - 2011.

Outreach Service

The outreach programmes continued at the Mandeville Regional and St Ann's Bay Hospitals and the Department continues to strive to create an academic and clinical environment for teaching and for preventative and curative medicine. The Department was instrumental in establishing a renal dialysis unit at the Mandeville Regional Hospital. A monthly Nephrology clinic is held at the St Ann's Bay Hospital. The Department has continued with consultation services and gastrointestinal procedures at the Princess Margaret Hospital, St. Thomas. The Department is also helping to start a Gastrointestinal Service at the Spanish Town Hospital and has started training nurses in preparation. A DM graduate, partially trained in Gastroenterology is now on staff at the Spanish Town Hospital. Several members of staff are resource personnel on non-governmental organizations concerned with public health and charity.

There were several visitors to the Department.

Professor Richard Holloway, Head Gastroenterology, University of Adelaide, Australia, had meetings with the HOD and other staff members and participated in Gastroenterology rounds and presented a lecture on Gastroesophageal Reflux disease.

Dr. J Fred Ralston, President of the American college of Physicians, attended the Special Residents Round and the Rolf Richards distinguished Lecture and had discussions with the HOD, staff members and the DM postgraduate students.

Professor Akinlolu Oju, University of Michigan, gave the Rolf Richards distinguished Lecture and is collaborating with staff members on several proposals for research.

Professor W. Lowell Maughan, Johns Hopkins University, division of Cardiology met with the HOD and cardiologists in the Department to discuss collaboration with the proposed Cardiology Fellowship Programme.

Professor Frank C. Brosius, Head Division of Nephrology, University of Michigan, gave the Professor Erick Cruickshank Distinguished Lecture. He met with the HOD and Nephrologists. He discussed collaborative work in renal disease. He also held a seminar with 5th year students and with the DM Post-graduate students.

PAPERS PRESENTED

Dr. Trevor Murphy

- Gastroenterology Year in Review, Annual Postgraduate course Association of West Indian Gastroenterologists, April 2010
- Colorectal Cancer Screening – February 2011.
- Recognition of Microscopic Colitis in Jamaica. Annual Postgraduate course Association of West Indian Gastroenterologists April 2010

- “GERD...could the stomach be the problem” Caribbean College of Family Physicians, Sept 2010
- Gastroesophageal reflux, Association of West Indian Gastroenterologists and AZ Symposium. 2011

Dr. Rosemarie Wright–Pascoe

- Alcohol, pancreatitis, impaired glucose tolerance and diabetes mellitus, The University Diabetes Outreach Programme (UDOP) 17th Annual International Conference 2011
- Assessment and management of the Adrenal Incidentalomas. The University Diabetes Outreach Programme (UDOP) 17th Annual International Conference 2011
- The management of diabetes mellitus in Chronic Kidney Disease. 3rd Annual International Conference in Nephrology and Hypertension of the Caribbean Institute of Nephrology. January 27-28, 2011.
- Metabolic Syndrome – Diagnosis and Treatment. The 6th Annual Clinical Conference of the Diabetes Educators of the Caribbean. September 25-26, 2010.
- Management of Diabetes in Chronic Kidney Disease. Department of Medicine and the Caribbean Institute of Nephrology Symposium, January 2011.
- Type 2 diabetes: Approaches to getting patients to their Aic goal. The Caribbean Endocrine Society. Sept 24, 2010.
- “What’s New in Diabetes” Jamaica Association of Radiologists Symposium September 9, 2011
- “Thiazolidinediones – the ongoing debate” The Medical Associates Hospital CME Meeting. September 2, 2010.

Professor Michael Lee

- Helicobacter pylori in Jamaica, Association of West Indian Gastroenterologists and AZ Symposium, July 2011
- Screening for colon cancer, Annual Joint Conference of Association of Consultant Physicians, Jamaica Cancer Society, Association of West Indian Gastroenterologists and Ministry of Health. March 2011

Dr. Mike Mills

- NSAIDS and GI bleeding, Association of West Indian Gastroenterologists and AZ Symposium.2011

Dr. Milton Arthurs

- Prevention of NSAIDS Upper GI injury, Association of West Indian Gastroenterologists and AZ Symposium.2011
- Irritable Bowel Syndrome, 9th Annual Symposium of the Association of Consultant Physicians of Jamaica. 2011.

Dr. Dwight Whittle

- NSAIDS and Gastric Protection, December, 2010.
- Targeted Biologic Therapies in Inflammatory Diseases Merck Sharp and Dohme's Conference, May, 2011.

Dr. Karen Phillips

- Diabetes, alcohol and the heart The University Diabetes Outreach Programme (UDOP) 17th Annual International Conference 2011

Dr. Adedamola Soyibo

- Management of CKD in Hypertension and Diabetes Tobago World Kidney day Conference 2011.

- Lifestyle data of patients with chronic Kidney Disease in Jamaica. 3rd Annual Conference of Nephrology and Hypertension. 2011.
- Renal complications of HIV in the emergency department Jamaica Emergency Medicine Association (JEMA). 2011

Dr. Amza Ali

- Seizures in Sickle Cell Disease: the Jamaican experience. Special Invited Lecture, Barbados
- Seizures in Sickle Cell Disease: the Jamaican experience. Antigua
- Jamaica and the Caribbean: A Needs Assessment. Partnering Epilepsy Centers in the Americas (PECA) Symposium. San Antonio, TX, USA.
- Internal Medicine and Neurology in Jamaica. Quebec Society of Internal Medicine Annual Symposium, Jamaica.
- The Evolution of Epilepsy Care in Jamaica and the English-speaking Caribbean. 5th Annual Swibelius Lectureship and Award, Yale University, New Haven, CT, USA.

Dr. Althea Aquart-Stewart

- “An Update on ARDS”. Nurse Anaesthetists Annual Conference. November 2010.
- “ARDS – What’s New What’s Different” Caribbean Neurosciences Conference, January 2011.

PUBLICATIONS

Refereed Journal Articles

WIMJ = West Indian Medical Journal

August 2010 to July 2011

- * NA Logan, M Gossell-Williams, **MG Lee**. “Upper gastrointestinal bleed induced by non-steroidal anti-inflammatory drugs/aspirin in Jamaica”. *Internet Journal of Gastroenterology*. ISSN: 1528-8323 2010; volume 1, Number 1
- * K Foster-Williams, N. Younger, A Brown- Dennis, DE Ashley, A McCaw-Binns, M Samms-Vaughan, **W Williams**, GR Sarjeant. “Perinatal Factors in students admitted to the University of the West Indies. Data from the Jamaican Perinatal Study”. *WIMJ* 2010; 59(3) 295-299.
- * Irving , Rachel, Tusie Luna MT, Mills James, **Wright-Pascoe Rosemarie**, McLaughlin Wayne, Agilar Selinas Carlos : Diabetes tipo 2 de Inicio Temprano en Jamaica y en Mexico. Oportunidades denvades de un astudio interetnias. *New Invest Clin* 2011; 63(2):198-209
- * **R Wright-Pascoe**. “Endocrine Disorders in a Specialist Hospital in Jamaica”. *J Int Med Res*. 2010; 38 (5): 1808-15.
- * Ferguson TS, Tulloch-Reid MK, Younger NO, Boyne MS, **Wright-Pascoe RA, Elliott VE**, Van den Broeck J, and Wilks R. “Cardiovascular disease among diabetic in-patients at a tertiary hospital in Jamaica”. *Diabetes and Vascular Disease Research* 2010 June 29(Epub ahead of print)
- * Ferguson TS, Tulloch-Reid MK, Younger NO, **Wright-Pascoe RA**, Boyne MS, McFarlane SR, Francis DK, Wilks RJ. “Cardiovascular diseases among patients attending a specialist diabetes clinic in Jamaica”. *Research Reports in Clinical Cardiology*, March 2011; 2 41-50, <http://dx.doc.org/10.2147/rccs.s14779>

- * **DO Whittle, AK Soyibo** “Colorectal Cancer” *WIMJ* 2011; 60(2): 106
- * **SN Chin**, MS Boyne, D McGrowder, TN Gibson, CA McKenzie. “The Predictive Value of Vanillylmandelic Acid Testing in the Diagnosis of Pheochromocytoma at The University of the West Indies” *WIMJ* 2011; 60 (2): 141-147
- * **R Alfred, R Wright-Pascoe**. “Acute Limb Ischaemia in a Septic Patient with Diabetic Ketoacidosis” *WIMJ* 2011; 60 (2): 214-216 .
- * **TM Clarke**, P. Johnson, D. Webster, **DT Gilbert, EN Barton**. “Transient Cortical Blindness Post Angiography: A case report”. *WIMJ* 2011; 60(3) 357-354
- * **AK Soyibo**, L. Roberts, **EN Barton**. “Chronic Kidney Disease in the Caribbean”. *WIMJ* 2011, 60(4) 464-470
- * **Clarke TR, Barrow G, Gilbert DT, Barton EN**. “A Possible case of Spinal Tuberculosis in a HIV positive male”.*WIMJ* 2010, 59 (4): 453-4.
- * Ali SB, Reid M, Fraser R, MooSang M, **Ali A**. “Seizures in the Jamaica Cohort Study of Sickle Cell Disease” *Br J Haematol*. 2010 Nov; 151(3): 265-72. Epub 2010 Aug 31.
- * **Gordon-Perue G, Gayle F**, Fraser R, **Ali A**. “Quality of Life of Persons with Epilepsy in Kingston, Jamaica”. *Epilepsy Behav*. 2011 May; 21(1) :23-6. Epub 2011 Apr 1.
- * **Chin SN**, Kim TK, Siu LL. “Hepatic Steatosis Secondary to Capecitabine: a case report”. *Journal of Medical Case Reports*. 2010 July; 4: 227
- * **M Kaliamurthy, MG Lee, M Mills, T Murphy** “Upper Gastrointestinal Bleeding. A Jamaican Perspective“ *WIMJ* June 2011; 60 (3): 289-292

- * **MG Lee**, CD McGaw, **L Chin**, MAC Frankson, CA Walters
“Propofol Sedation in Patients Undergoing Colonoscopy in
Jamaica” *WIMJ* June 2011; 60 (3):284-288
- * **DO Whittle, MG Lee**, B Hanchard “Peutz-Jeghers Syndrome”
WIMJ June 2011; 60 (3): 340-343.
- * **EN Barton** “Sixtieth Anniversary” *WIMJ* 2011;60(4) 377-381
- * Plummer JM, Mitchell DI, **Arthurs M**, Leake PA,
Deans-Minott J, Cawich SO, Martin A. “Laparoscopic
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Surg. 2011; 9(5):382-385.

Abstracts in Peer Reviewed Journal

- * NA Logan, M Gossell-Williams, **MG Lee**. “Upper
gastrointestinal bleed induced by non-steroidal anti-
inflammatory drugs/aspirin in Jamaica” *WIMJ*, 2010; 59:
(Suppl. 4): 37
- * D Carrington, J Duncan, JLM Lindo, **EN Barton, TR Clarke,**
G Barrow, JP Figueroa, **K Harvey**, “A base line assessment of
adherence to antiretroviral therapy among persons living with
HIV/AIDS in Jamaica” *WIMJ* 2010; 59: (Suppl. 4): 40
- * G Williams, **MB Lawrence-Wright**, MO Grant. Prevalence
and clinical correlates of multivessel coronary artery disease in
Jamaica, *WIMJ* 2010; 59: (Suppl. 4): 41
- * **SN Chin**, JM Plummer, N Williams, RP Graham, G Wharfe
“The predictive value of histomorphologic features of the
diagnosis of microsatellite instability and Lynch Syndrome in
the young Jamaican colorectal cancer population” *WIMJ* 2010;
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- * JD Yang L Aderca, CD Moser, K Gores, TA Mettler, LM
Stadheim, GJ Gores, DM Nagorney, KN Lazaridis, **MG Lee**,
LR Roberts. “Family study of germline axin mutations in
ossifying malignant mixed epithelial and stromal tumor of the

liver” Proceedings of Fourth International Liver Cancer Association Annual Conference September, 2010

- * O Heslop, MF Smikle, **EN Barton**. The geographical distribution of human immunodeficiency virus Type -1 (HIV-1) subtypes in Jamaica, *WIMJ* 2010; 59: (Suppl. 4): 42
- * JN Plummer, **SN Chin**, N Williams, R Graham, G Wharfe “Lynch-syndrome in a population predominantly of African descent: a clinicopathological and genetic study” *WIMJ* 2010; 59: (Suppl. 4): 51
- * TS Ferguson, N Younger, MK Tulloch-Reid, **MB Lawrence-Wright**, TE Forrester, RS Cooper, J Van den Broeck, RJ Wilks. “Progression from Prehypertension to Hypertension in a Jamaican Cohort: Incident Hypertension and its Predictors” *WIMJ* 2010; 59: (5): 486
- * S Cawich, **M Arthurs**, **T Murphy**, AC Martin, DIG Mitchell, G Gordon-Strachan “Screening for common duct stones with pre-operative endoscopic cholangiography in a sickle cell cohort” *WIMJ* 2010; 60 (Suppl. 2): 46
- * M Isaacs, HE Harding, **M Arthurs**, SO Cawich, AC Martin, HA Roberts, G Gordon-Strachan. An audit of ERCP morbidity in patient with homozygous sickle cell haemoglobinopathy at the University Hospital of the West Indies, *WIMJ* 2010; 60 (Suppl. 2): 51
- * **Wright-Pascoe R**, Old Foes, New Enemies, Future Threats” *WIMJ* 2010, 89 (Supple) :2
- * TS Ferguson, MK Tulloch-Reid, N Younger, **R Wright-Pascoe**, MS Boyne, SR McFarlane, DK Francis, RJ Wilks. “Prevalence of diabetic foot complications among patients attending a Specialist Diabetes Clinic in Jamaica.” *WIMJ* 2011; 60 (Suppl 2): 25-26.

- * **R Wright-Pascoe**. “Alcohol, Pancreatitis and Impaired Glucose Tolerance and Diabetes Mellitus.” *WIMJ* 2011; 60 (Suppl 1): 31.
- * **R Wright-Pascoe**. “Assessment and Management of the Adrenal Incidentaloma.” *WIMJ* 2011; 60 (Suppl 1): 40.
- * Shelly McFarlane, Trevor S Ferguson, Novia OM Younger, Damian K Francis, Marshall K Tulloch-Reid, **Rosemarie A Wright-Pascoe**, Michael S Boyne, Rainford J Wilks. “Alcohol consumption among Jamaican Patients with Diabetes.” *WIMJ* 2011; 60 (Suppl 1): 47-48.
- * **P Francis**, M Boyne, **A East-Innis**, **R Wright-Pascoe**. “Acanthosis nigricans as a predictor of metabolic control in type 2 diabetes.” *WIMJ* 2010; 59 (Suppl 4): 43.
- * **Wright-Pascoe R**. “New Approaches to Diabetes Management: Maintaining Long-term Glycaemic Control.” *WIMJ* 2010; 59 (Suppl 1): 31.
- * **K. Phillips**. “Diabetes, alcohol and the heart” *WIMJ* 2011; 60(Suppl. 1): 24

PUBLIC SERVICE

Professor Michael Lee

- Member, Board of Executive, Food For the Poor
- Chair, Medical Committee, Food For the Poor
- Member, Medical Review Pane. Ministry of Health, Jamaica

Dr Trevor Murphy

- Secretary, Association of West Indian Gastroenterologists

Dr. Althea East-Innis

- Vice President, Caribbean Dermatology Association

Dr. Charlton Collie

- Chairman, Board of Directors, Pre-University School
- Board member, University Council of Jamaica

Dr. Althea Aquart-Stewart

- 2nd Vice President, Association of Consultant Physicians
- Chairperson, Conference Committee Symposium 2010
.Association of Consultant Physicians – “Updates In Internal
Medicine: Endocrine & Cardiovascular Diseases”

DEPARTMENT OF MICROBIOLOGY

Professor John F. Lindo, BSc PhD *UWI* – Head of Department

WORK OF THE DEPARTMENT

The National Influenza Centre

The department contributed to the national response to the H1N1 influenza pandemic by providing diagnostic support and surveillance. The department is the WHO designated National Influenza Centre and provided data to the Ministry of Health, Jamaica, the Caribbean Epidemiology Centre, World Health Organisation, the Centers for Disease Control and Prevention (Atlanta) and other partners. Whilst the pandemic was declared officially over the WHO



surveillance for seasonal patterns of influenza continues with the department contributing to the weekly Regional Pan American Health Organization (PAHO) publications for the Americas. Dr Sandra Jackson Betty attended a WHO consultation meeting of National Influenza Centres in Ecuador and Tunisia. The department also passed (Score 100%) in the WHO External Quality Assessment Program (EQAP) for molecular detection of Pandemic (H1N1) influenza and recertification of Avian influenza and Seasonal Influenza A and B.

With the assistance of the Pan American Health Organization (PAHO), the diagnostic capacity of the NIC has been increased through the acquisition of an automated DNA/RNA extractor. In collaboration with CDC, the molecular diagnostic capacity has been extended to include non-influenza respiratory viruses.

Dengue Surveillance

Additional collaboration in disease prevention and control was conducted through provision of diagnostic services for dengue to inform the Ministry of Health, Jamaica of the status of the disease in Jamaica.

Control of Healthcare associated Infections

Infections are a major cause of morbidity and mortality among hospitalised patients. This is especially true of severely ill patients and those who have in-dwelling lines and catheters. The Department leads the initiative aimed at the control of healthcare associated infections in the University Hospital of the West Indies. Several activities are executed under the leadership of Dr Alison Nicholson, Chair of the Infection Control Committee. These included the conduct of a workshop entitled *Changing the Structure, Transforming the Culture* which followed the successful launch of a hand-hygiene campaign. The workshop included doctors and nurses from the University Hospital of the West Indies, Ministry of Health, Jamaica and Ministry of Health Trinidad & Tobago.

Drs Alison Nicholson and Dr Karen Roye-Green participated in the mitigation of several outbreaks of healthcare associated infection this year including *Clostridium difficile* associated diarrhoea, multi-drug resistant Gram Negative bacteria, vancomycin resistant enterococci and methicillin resistant *Staphylococcus aureus* (MRSA). There was also an outbreak of the fungus *Trichosporonasabii* which is a rare cause of clusters of healthcare associated infections. The outbreak was managed by staff of the department (Dr Orville Heslop) in consultation with colleagues from the CDC Atlanta. Dr Alison Nicholson received training in Hospital Infection Control at the Centre for Infections, Health Protection Agency, UK.

The department is also heavily involved in the monitoring of antibiotic resistance in the University Hospital of the West Indies and collaborates with the Ministry of Health, Jamaica by way of information sharing among healthcare workers across Jamaica. This is achieved through active research in this area and constant monitoring of antibiotic use.

Income generation and grants

The FMS hired a Business Manager to improve the income generation potential of the department. Furthermore, a vendor for the laboratory information system was chosen and a project implementation team appointed. Work has also progressed on furnishing the laboratories with modern equipment in order to drive the income generation initiative.

National Health Fund (J\$1,206,500.00): Changing the Structure, Transforming the Culture– Principal applicant – Dr Alison Nicholson.

CHASE Fund (\$12,253,888.00): Purchase of laboratory equipment – Principal Applicant – John Lindo.

PAHO- (\$3,518,106.00): Purchase of Automated Extractor and UPS to NIC

Ministry of Health, Jamaica (**\$432,000.00**): Salary for Clerical Assistant

Research and graduate studies

The revised MSc in Medical Microbiology was introduced in Semester II of 2009-2010. The programme was revised to bring it in line with similar degrees offered by the UWI.

Registration of graduate students in the department has increased dramatically and currently there are five DM candidates, five MPhil candidates, four MSc candidates and a PhD candidate. Three candidates completed the MSc (Medical Microbiology) during the period under review.

The research output of the department was 1.2 papers for the period under review.

Clinical Laboratory Services

The department has been undergoing major renovation of the physical plan during the period under review and this will be completed in academic year 2012-2013. Currently, the Immunology/Serology laboratory, molecular biology laboratories and the administrative block

have been completed. However, although working conditions have been challenging for staff members full laboratory diagnostic services were offered to the University Hospital, private clients and other stakeholders. The clinical services continue to be hampered by the lack of a Laboratory Information System to provide flow of information

This year the department recorded a decrease of 12.6% in the number of clinical specimens processed from 56, 437 to 49,344 over the period.

PAPERS PRESENTED

Non peer reviewed

Nicholson AM.

- Infection Control & Antimicrobial Resistance: Medallion Hall, Kingston June 2010.
- Facing the challenges of Antimicrobial Resistance: Cornwall Regional Hospital, St James June 2010.
- Infection Control & Antimicrobial Resistance: Medallion Hall, Kingston June 2010.
- Facing the challenges of Antimicrobial Resistance: Cornwall Regional Hospital, St James June 2010.
- Antibiotic Resistance & the Surgeon; Annual General Meeting Surgeons , Kingston Jamaica 2011
- Superbugs at the UHWI: FMS ARC UWI, Mona November 2010
- Antibiotic Resistance: Strategies to cope MAJ Western, Jamaica September 2011
- Antibiotic Resistance: the way Forward: SERHA, Jamaica
- Antibiotic Resistance and Infection control: Doctors Hospital, Nassau, March 2011.

- **Jackson S**, K Ehikhametalor, G Gorden-Strachan, M Bullock-DuCasse, E Lewis-Fuller, S Copeland, N Skyers, K Steer, M Thomas, J Johnson, A Baily . Pandemic Influenza Are we prepared? Medical Association of Jamaica Symposium. June 2010. Jamaica
- **Jackson S**, Bullock-Ducasse M, Lewis-Fuller E, Copeland .The pathogenesis of severe influenza. Jamaica Association of Anesthesiologists. October 2009 . Jamaica
- **Jackson S**. The Polio Virus and Jamaica. Sir John Golding Rehabilitation Centre Annual Symposium, June 2011

Peer reviewed abstracts

- **Jackson S**, Bullock-DuCasse M , McLaughlin W. Infectious Agents and Bioterrorism Preparedness. *WIMJ*, 2010; 59; 4:18-19.
- **Jackson S**, Bullock-DuCasse M , Copeland S , Lewis-Fuller , Dos Santos T , Eldonna B ,Irons B , Li Y . Booth T , James K , Eldemire-Shearer D, Population Dynamics of Travel and Tourism and Influenza Transmission in the Caribbean. *WIMJ*. 2010. 59:4: 27-28
- **Jackson ST**, Khan C, McCartney T, Strachan G, Bullock-DuCasse,M, Copeland S, Lewis-Fuller E, Beecher C, McLaughlin W, Mullings A, Eldemire- Shearer D. Supporting evidence for the use of the ‘SD Influenza A Rapid Test’ as an early screening test for Pandemic Influenza A (H1N1). 26th Annual Clinical Virology Symposium, PASCV.
<http://www.hsc.usf.edu/nocms/medicine/medmicro/virology/page.htm>
- **Jackson S**, Bullock-DuCasse M, Copeland S, Lewis-Fuller, Dos Santos T, E, Eldonna B, Irons B , Li Y. Booth T, King S, McDonald A, White S, James K, Henry G, Eldemire-Shearer D .Influenza Pandemic Surveillance and Research Opportunities in the Caribbean, 1st World Congress on Virus Infections.Track 1-1:

Molecular Epidemiology of Emerging Virus Transmission and Distribution.

<http://www.bitlifesciences.com/wcvi2010/Program-wcvi.asp#1>

- **Jackson S**, Bullock-DuCasse M, Copeland S, Lewis-Fuller, Dos Santos T, E, Eldonna B, Irons B, Li Y. Booth T, King S, McDonald A, White S, James K, Henry G, Eldemire-Shearer D. Influenza Pandemic Surveillance and Research Opportunities in the Caribbean. 1st World Congress on Virus Infections. July 2010 (South Korea).

PUBLICATIONS

Book chapter

- * 2011 Sandra Jackson, Justin Jang Hann Chu, Po-Ying Chia, Owen St. Clair Morgan, Lee-Ching ng. Dengue Encephalitis. Flavivirus Encephalitis: 4; 71-88, Editor: Daniel Ruozpek, Coratia: In Tech, 2011, ISBN 978-953-307-669-0.

Technical Reports

- * 2011 **Jackson SJ**. Strengthening the WHO Global Influenza Surveillance Network (GISN) Report of the 3rd meeting with National Influenza Centre's (NICs), Hammamet, Tunisia, 30 November to 3 December, 2010. World Health Organization. No. Pages 25
http://www.who.int/csr/disease/influenza/influenznetwork/GISN_Meeting_Report_apr2011.pdf

Referred peer-reviewed articles

WIMJ = West Indian Medical Journal

- * **Brown MG**, Salas RA, Vickers IE, **Heslop OD**, Smikle MF. Dengue HLA associations in Jamaicans. *WIMJ*. 2011 Mar; 60(2):126-31.

- * **Brown MG, Salas RA, Vickers IE, Heslop OD, Smikle MF.** Molecular epidemiology of dengue in Jamaica dengue virus genotypes in Jamaica, 2007. *WIMJ*. 2011 Mar; 60(2):120-5.
- * **Brown MG, Salas RA, Vickers IE, Heslop OD, Smikle MF.** Dengue virus serotypes in Jamaica, 2003-2007. *WIMJ*. 2011 Mar; 60(2):114-9.
- * **Brown MG, Vickers IE, Salas RA, Smikle MF** Leptospirosis in suspected cases of dengue in Jamaica, 2002-2007. *Trop Doc* 2010; 40:92-94
- * **Brown MG, Vickers IE, Salas RA, Smikle MF.** Seroprevalence of dengue virus antibodies in healthy Jamaicans. *Human antibodies* 2009; 18:123-126
- * **Brown MG, Vickers IE, Salas RA, Smikle MF.** Patterns of dengue virus IgM and IgG antibodies in suspected cases of dengue in Jamaica, 2003-2006. *Human Antibodies* 2009; 18; 29-34.
- * **Roye-Green K, Frederick J, Wharfe G, Choo-Kang E, DaCosta V, Fletcher H, Smikle M.** Antiphospholipid and other autoantibodies in a cohort of habitual aborters and healthy multiparous women in Jamaica. *Hum. Antibodies*. 2011; 20(1-2):1-5.
- * Melbourne-Chambers R, Gooden M, Evans-Gilbert T, **Jackson S.** Childhood Chorea-encephalopathy associated with recent Parvovirus B19 infection in Two Jamaican Children. *Annals of Tropical Pediatrics: International Child Health*. 2010; 30: 4: 339-344
- * Gibson R, **Jackson S**, Abel W, Wright-Pascoe R, Barton E, T Clarke T, Gilbert D. HIV Seroprevalence among Hospital Inpatients with Neuropsychiatric and other Central Nervous System Disorders. *WIMJ*. 2010 : 59: 4; 434-438
- * **Christian NA, Roye-Green K, Smikle M.** Molecular epidemiology of multidrug resistant extended spectrum

beta-lactamase producing *Klebsiellapneumoniae* at the University Hospital of the West Indies, 2000-2004. *BMC Microbiology* 2010; 10: 27

- * **Heslop OD, Smikle MF, Vickers IE, Christian NA**, Harvey KM, Figueroa JP, Brown SE, Christie CD, Bain B, Barton EN. High genetic diversity in human immunodeficiency virus-type 1 in Jamaica. *WIMJ*, 2009; 58: 195-200.
- * Delahaye CM, Rainford L, **Nicholson AM**, Mitchell S, **Lindo JF**, Ahmad MH (2009).Antibacterial and antifungal analysis of crude extracts from the leaves of *Callistemon viminalis*. *Journal of Medical and Biological Sciences*Volume 3, Issue 1.
- * Tennant I, **Nicholson A**, Gordon-Strachan G, Thoms C, Chin V, Didier M. A survey of physicians' knowledge and attitudes regarding antimicrobial resistance and antibiotic prescribing practices at the UHWI,. *WIMJ* 2010; 59 (2): 165
- * Walwyn M, **Nicholson AM**, G Wharfe, MG Lee. Febrile Neutropenia in Jamaica. *WIMJ* 2010; 59 (2): 209
- * **Nicholson AM**, C Thoms, H Wint, M Didier, R Willis, N McMoris, D Castle, N Maharaj, FA Orrett The Detection of Mupirocin resistance and the Distribution of Methicillin-Resistant *Staphylococcus aureus* at The University Hospital of the West Indies, Jamaica, *WIMJ*, 2010; 59 (5): 509
- * **Nicholson AM, Rainford L**. The Epidemiology of Fungemia at the University Hospital of the West Indies, Kingston, Jamaica, *WIMJ* 2009 Vol 58 (6) 579-583.
- * Fletcher H, Gibson R, Wharfe G, **Nicholson A** & Soares D. A woman with diabetes presenting with pyomyoma and treated with subtotal hysterectomy: A Case Report *Journal of Medical Case Reports* 2009, 3:7439
- * **Nicholson AM**, Ledgister S, Williams T, Robinson S, Gayle P, Lindo T, Castle D, Shaw K, Moonah S. Distribution of Nosocomial Organisms and their Resistance Patterns in the

Intensive Care Unit of the University Hospital of the West Indies, Kingston, Jamaica. *WTMJ* 2009; 58 (2):142-148.

- * Barnett AT, Cawich SO, Crandon IW, **Lindo JF**, Gordon-Strachan G, Robinson D, Ranglin D. Informed consent from patients participating in medical education: asurvey from a university hospital in Jamaica. *BMC Res Notes*. 2009 Dec 15; 2:252.
- * Mattis A, Mowatt L, Lue A, **Lindo JF**, Vaughan H. Ocular angiostrongyliasis—first case report from Jamaica. *WTMJ*. 2009, Sep; 58(4):383-5.
- * Lorenzo-Morales J, Marciano-Cabral F, **Lindo JF**, Visvesvara GS, Maciver SK. Pathogenicity of amoebae. *Exp Parasitol*. 2010 Sep; 126(1):2-3

Role of Department of Microbiology

Efforts to diversify the Jamaican/ Caribbean economy

The department is currently involved in teaching in the MBBS, Nursing, Physical Therapy and Diagnostic Imaging programmes. All these programmes will provide increased economic opportunities for Caribbean peoples in the region and the diaspora by providing expanded and new lines of professional training.

The department is also involved in research on patterns of antibiotic resistance and monitors the emergence of resistant strains in the hospital. Without this work the economic cost from increased, unnecessary hospital stays and investment in inappropriate antimicrobials would be significant.

Sustenance of and capacity building in the economy's traditional sectors

The Department of Microbiology also plays crucial roles in public health including epidemic tracking and outbreak investigation of infectious agents such as dengue, influenza and malaria. This role is crucial to the health of the Caribbean people and is also important in protecting the

region's tourist industry through early warning systems. Through our work emerging diseases and potential epidemics which may arise in the Caribbean are identified and the data shared with international coordinating centres such as the Pan American Health Organization and the World Health Organization. The Department of Microbiology is the WHO designated National Influenza Centre. This role complements the work of the Caribbean Epidemiology Centre (CAREC), which is located in Trinidad and Tobago. Given that Jamaica is an important tourist destination, the work of the departments has major implications for international and migration health. Through our work with the Ministry of Health and other partners the department has helped to show that the risk for contracting malaria in Jamaica is very low.

National/Regional security

One of the threats to regional security is the emergence of deadly strains of infectious agents such as avian influenza or the deliberate release of these agents in a bioterrorist attack. The department has recognised these threats and with support of the Faculty of Medical Sciences and the Mona campus the threats are being mitigated through training in handling of these agents. Two members of the staff have received training in handling highly infectious material and the UWI is investing in the establishment of a state of the art Biosafety Level 3 laboratory.

Dr. Sandra Jackson (sponsored by PAHO) received training and certification in Science and Safety, Biosafety Level 3 Practices at the Emory School of Public Health, Atlanta, GA. The department is also working in concert with the Ministry of Health, Jamaica and other partners on epidemic preparedness in light of these threats.

DEPARTMENT OF OBSTETRICS, GYNAECOLOGY

**Professor Horace Fletcher BSC, MBBS, DM (O&G), FRCOG,
FACOG – Head of Department**

WORK OF THE DEPARTMENT

The main focus of the department is to improve the health and welfare of families, in particular women in the region. This is done through clinical (service) work and academic (teaching and research). The department comprises Obstetric and Gynaecological services (reproductive endocrinology, gynaecological oncology and perinatal services).



We teach medical students, postgraduate students (Doctorate Medicus Obstetrics/Gynaecology) as well as supervise other post Graduate students M Phil and PhD. We also assist in the teaching of Midwives and nurses.

Obstetric Perinatal Service

The Perinatal service hosts an annual conference in February of each year run by Drs. Mullings, Kulkarni, Johnson and Simms-Stewart. This service manages high risk obstetric cases and accepts referrals from the rest of the island as well as the rest of the British West Indies. The Unit also has facilities for teaching post graduate and medical students. Perinatal Audit for 2010, UWI, Mona was attended by over 600 delegates. This was a joint effort between Obstetrics and Gynaecology and the Neonatology group from Child Health with external review by practitioners from outside units. Special emphasis was placed on topics such Counselling, Premature Birth and Neonatal Neurological Outcome.

Oncology Unit

This is run by four lecturers Prof Fletcher, Dr Rattray, Dr Mitchell, Dr Bambury and Dr Taylor. The Unit is also run by Sister Murdoch and her team of nurses as well as residents who rotate through on a monthly basis. The services offered are consultations for patients with gynaecological tumours, colposcopic diagnosis and treatment, and surgery for gynaecological tumours. The Unit also has facilities for teaching post graduate and medical students. Dr Bambury has obtained a fellowship to go to Ontario Canada to study Gynaecological Oncology as of July 2008 for two years. He has been replaced by a part time lecturer Dr Matthew Taylor.

Sterility & Fertility

The members of the Sterility & Fertility firm and Fertility Management Unit resumed the In Vitro Fertilization and Embryo Transfer Programme for the treatment of infertile patients from Jamaica and the wider Caribbean. The programme was restructured to streamline and accommodate the treatment of infertile couples on a continuous basis. Professor Joseph Frederick as director of the programme with Drs. Shaun Wynter, Vernon DaCosta, John Harriott, Loxley Christie and Sharifa Frederick as clinicians and Dr. Audrey Pottinger and Sister McKenzie as counselors. Two other staff members in the programme are Miss Denise Everett, a senior embryologist (Biologist) and Miss Hillary Walters a staff Nurse as the coordinator of the programme. Since the resumption, the pregnancy rates have shown considerable improvement as we are also achieving pregnancies from the frozen embryos and donor eggs. A major breakthrough is that all the documents required for the registration of the drugs used in the programme have been submitted to the Pharmaceuticals & Regulatory Affairs in the Ministry of Health.

The unit also undertakes operative and diagnostic laparoscopy, contraception and sterilisation advice and management. Counseling in family planning and family life is also offered.

The section has recently embarked on construction of a new state of the art building to house two operating suites, a lecture theatre and new in

vitro fertilisation labs. This construction is in an advanced state of completion.

This initiative will see an increase in the generation of capital for the University. Also important is the fact that this new unit will have facilities for video conferencing to allow other campuses to benefit from the seeing procedures being performed.

Income Generation: External Research Funding and Grant Support

Research funding

Principals New Initiative

Study Endocrine disrupters and sperm counts in Jamaican men

Fletcher H, Harriott J, Christie L

PAPERS PRESENTED

- Bishop K, Nyi Nyi M, Jaggon JR, **Johnson N**, Trotman H, Richards N. Perinatal Death in Maternal Diabetes Mellitus at UHWI. Pathological Findings: 2006 – 2010. Annual Perinatal Conference: Faculty of Medical Sciences, UWI, Mona. February 2011
- **DaCosta V**, ‘Long-Acting Reversible Contraception (LARC)’The Association of General Practitioners of Jamaica Symposium. The Alhambra Inn, Kingston, Jamaica, 21st January 2011.
- **DaCosta V**, “Ectopic pregnancy/DUB/PCOS”, The Association of General Practitioners of Jamaica Symposium. The Alhambra Inn, Kingston, Jamaica, 28th November 2010.
- **Fletcher H**. The Ethics of Abortion what do Jamaican Doctors know 2010 Presentation to Doctors in Clarendon, Juicy Beef Centre in Clarendon

- **Fletcher H.** Update on the management of cervical cancer. Caribbean Association of Clinical Haematologist and Oncologists Holiday Inn Montego Bay
- **Fletcher H.** Fibroids in Pregnancy. 2010 Mandeville Hospital annual Obstetrics and Gynaecology conference.
- **Fletcher H.** An update on the management of Gynaecological Malignancies. 2010 Grabham Society Conference Jamaica Pegasus Hotel
- **Fletcher H.** Update on Cervical Cancer and HPV. Given to ROCHE drug Rep managers from Latin America and Caribbean LASCO office July 6 Kingston Jamaica.
- **Fletcher H.** Fibroids in Pregnancy. 2010 Clinico Pathological Conference UWI
- **Fletcher H.** Renal impairment as a complication of uterine fibroids 2011 Clinico Pathological Conference UWI
- Dawkins JC, **Ratray CA, Fletcher HM.** Morinda Citrifolia (Noni) as an inflammatory treatment in women with Primary Dysmenorrhoea. Annual Clinical Meeting ACOG 2011 Washington P 31 page 72
- Hunter T, **Fletcher HM,** Gossell-Williams. Evaluation of the physiological benefits of pumpkin seed oil in menopausal patients. Annual Clinical Meeting ACOG 2011 Washington P 52 page 74
- Dawkins JC, **Ratray CA, Fletcher HM** Outcome following acute pyelonephritis in pregnancy at the University Hospital of the West Indies Annual Clinical Meeting ACOG 2011 Washington P 70 page 87.
- Hunter T, Simms-Stewart D, **Fletcher HM.** Comparison of Ultrasonic estimated fetal weight and actual birth weight done by residents. Annual Clinical Meeting ACOG 2011 Washington.

- Lewis G K, **Mullings AM**, Gordon-Strachan G. A Randomized Controlled Trial of Vitamin E Supplementation in the Treatment of Primary Dysmenorrhoea” 59th Annual Clinical Meeting of the American College of Obstetricians and Gynaecologists, Washington Convention Centre, Washington DC, April 30 to May 4 2011.
- **Mullings A.** “Social Determinants of Health: A Jamaican Perspective”, Nuffield Council of Bioethics Global Health Meeting, London, July 20, 2011.
- **Wynter S.** Abortion / Miscarriage – Types, Management, and Effects on Women, October 26, 2010. The Jamaica Midwives Association 48th Annual Symposium, Jamaica Conference Centre.
- **Wynter S.** Pregnancy and Breast Cancer. CPC UWI. Main Medical Lecture Theatre. Feb 16, 2011.
- **Wynter S.** Management of the Infertile Couple, Caribbean College of Family Physicians (Jamaica Chapter) workshop on “Update in the Management of Gynaecological Disorders” May 15 2011. Jamaica Pegasus Hotel, Kingston 5.

PUBLICATIONS

WIMJ = West Indian Medical Journal

- * **Johnson N**, Bishop K, Trotman H, Reid M. Congenital abnormalities at a tertiary centre in Jamaica—18 month maternal-fetal medicine experience. *J Matern Fetal Neonatal Med*, 2011; 00(00): 000-000, ISSN 1476-7058 print/ISSN 1476-4954 online
- * **DaCosta V**, Lewis T, **Wynter S**, **Harriott J**, **Christie L**, **Frederick J.** Experiences of Jamaican men who have undergone no-scalpel vasectomy at the UWI. Open Access *Journal of Contraception*. Oct 12, 2010.
http://www.dovepress.com/article_5504.t2391789

- * Christie LR, **Harriott J, DaCosta, V, Wynter S, Frederick J**, Everett D, Foster R. Intrauterine insemination in Jamaica: low cost subfertility management in a low resource region. *Int J Gynaecol Obstet*. Jan 17, 2011.
- * Roye-Green K, **Frederick J**, Wharfe G, Choo-Kang E, **DaCosta V, Fletcher H**, Smikle M. Antiphospholipid and other autoantibodies in a cohort of habitual aborters and healthy multiparous women in Jamaica. *Hum Antibodies*. 2011 Jan 1; 20(1):1-5.
- * Foster R, **DaCosta V, Christie L**, Everett D, **Harriott J, Wynter S, Frederick J**, Walters Y. Successful treatment of severe male factor infertility in Jamaica with intracytoplasmic sperm injection. *WIMJ*, 2011; 60 (1): 41-5.
- * Grant C, Lalor G , **Fletcher H**, Potter T and Reid. Elements in Human Placentas in Jamaica. M *WIMJ*, 2010, 59:479-485
- * **Fletcher H**, Bennett F, Simms-Stewart D, Reid M, Williams NP, Wharfe G, Wilks R, **Mitchell S**, Scott P. Cardiovascular Disease Risk factors in Menopausal Jamaican Black Women after hysterectomy and bilateral oophorectomy: An Observational study, *WIMJ*, 2010, 59:625-632
- * **Thame M, Fletcher H**, Baker T, Jahoor FJ., Arginine flux, but not nitric oxide synthesis, decreases in adolescent girls compared with adult women during pregnancy, *Nutr*. 2011 141: 1 71-74;
- * Marshall KG Swaby K Hamilton K, Howell S, Landis RC, Hambleton I, Reid M, **Fletcher H**, Forrester T & McKenzie C. A preliminary examination of the effects of genetic variants of redox enzymes on susceptibility to oedematous malnutrition and on percentage cytotoxicity in response to oxidative stress *in vitro*. *Annals of Tropical Paediatrics* 2011:31(1)27-36.
- * Gossell-Williams, Hyde C. Hunter T, McGrowder D, Walters C, Simms-Stewart D, **Fletcher H**. HDL-Cholesterol

improvement in postmenopausal women supplemented with pumpkin seed oil: Pilot study. *Climacteric* 2011 May 5

- * **Fletcher H**, Gordon-Strachan G, Hamilton, **Frederick J**, McFarlane S. Provider KAP re Abortion in Jamaica. *Int J Gynaecol Obstet.* 2011 Jun; 113(3):183-6.
- * **Fletcher H**, Buchanan K and Jacob L. Conservative treatment of ectopic pregnancies medical versus surgical Therapy. *Open Journal of Obstetrics and Gynaecology* 2011, 1:6-11
- * **Fletcher H**, **Johnson N** and Reid M. The effect of introduction of misoprostol for induction of labour on pregnancy in gravidas with pre eclampsia. *Open Journal of Obstetrics and Gynaecology* 2011, 2:64-69
- * **Fletcher H**, Figueroa P, Brathwaite A and Hylton-Kong T. Poverty STD and folate deficiency. *WIMJ*, Mar 2011, vol. 60, no 2: 137- 40.
- * Christie LR, **Harriott JA**, **Dacosta VE**, **Wynter SH**, Everett DM, Foster RA. Intrauterine insemination in Jamaica as a low-cost subfertility treatment in a low-resource region. *Int. J Gynaecol Obstet.* Jan 17, 2011. [Epub ahead of print]
- * Foster R, **DaCosta V**, Everett D, Christie L, **Harriott J**, **Wynter S**, **Frederick J**, Walters Y. Successful Treatment of Severe Male Factor Infertility In Jamaica With Intracytoplasmic Sperm Injection (ICSI). *WIMJ*, Jan 2011, vol. 60, no 1: 42 - 45.
- * Lewis T, **DaCosta V**, **Harriott J**, **Wynter S.**, Cawich S. Factors related to Obstetric Third and Fourth degree perineal lacerations in a Jamaican Cohort. *WIMJ*, Mar 2011, vol. 60, no 2: 195-8.
- * **Fletcher H**. Environmental hazards in pregnancy and risks to the baby, *Carib Explorer* 2010, 2:27-8

Book Chapter

Books

- * **Fletcher H.** FISHKILL and other modern Jamaican fables, 2011, ISBN: 978-1-4502-7225-4 (sc) ISBN: 978-1-4502-7226-1 (ebk) Library of Congress Control Number: 2010916860

Abstracts

- * Pumpkin Seed Oil Supplementation improves HDL and LDL cholesterol in Post-Menopausal Women: A Random Double-Blind Pilot Study. Hyde CD, Gossell-Williams M, Hunter T, Simms-Stewart D, McGrowder D, **Fletcher H**, Choo-Kang E. *The FASEB Journal* 588.6
- * Bone mineral density in Jamaican men on androgen deprivation therapy for prostate cancer B Morrison, I Burrowes, W Aiken, R Mayhew, **H Fletcher**, M Reid 2010. *WTMJ*, 59 (supp 4) :23
- * Morinda citrifolia (NONI) as an anti-inflammatory treatment in women with primary dysmenorrhoea JC Dawkins, **HM Fletcher**, **CA Rattray**, G Gordon-Strachan, M Reid 2010 *WTMJ*, 59 (supp 4):43
- * The prevention of striae gravidarum with olive oil cream and cocoabutter: a randomized double blind trial K Matthews, **H Fletcher**, M Reid 2010. *WTMJ*, 59 (supp 4)::45
- * The prevention of striae gravidarum with shea butter(CUREL®) versus cocoa butter: a randomized controlled double blind trial K Campbell-Simpson, **H Fletcher**, **C Rattray**, C Pitter, L Brown, A Thompson 2010. *WTMJ*, 59 (supp 4):45
- * Evaluation of the physiological and cytological benefits of pumpkin seed oil supplementation in postmenopausal women: a pilot study T Hunter, M Gossell-Williams, **H Fletcher**, D Simms-Stewart, C Hyde, N Williams, C Walters 2010. *WTMJ*, 59 (supp 4):51

- * A retrospective study of acute pyelonephritis in pregnancy at the University Hospital of the West Indies (UHWI) 2003-2008 JC Dawkins, **CA Rattray**, **HM Fletcher**, G Gordon-Strachan, M Reid 2010. *WTMJ*, 59 (supp 4):29
- * Bone mineral density in Jamaican men on androgen deprivation therapy for prostate cancer B Morrison, I Burrowes, W Aiken, R Mayhew, **H Fletcher**, M Reid 2011. *WTMJ*, 60 (supp 2) :23

PUBLIC SERVICE

Prof H Fletcher

- Member, Faculty Assessment and Promotion Committee
- Member, Faculty Accreditation Committee
- Director of Clinical Services, University Hospital
- President, Cornwall College Old Boys Kingston Chapter 2009 to present.

Dr Nadine Johnson

- Co-organizer, annual perinatal conference.

Dr A Mullings

- Chairman, National Bioethics Committee of Jamaica
- Member, Ministry of Health Advisory Panel on Ethics and Medico-Legal Affairs
- Member, of Ministry of Health, National Guidelines for Cervical Cancer Prevention and Control Review Committee
- Member, Board of the Jamaica Cancer Society

HONORS AND AWARDS

Principals Award Best Research Publication article 2010-11 “Comparing Glucose Kinetics of Adolescent Girls and Adult women during pregnancy” Thame M, **Fletcher H**, Baker T.

Teaching

Fletcher H

Special commendations for teaching assessments in by the Deputy Principal Mr. Pereira on behalf of the Campus Academic Quality Assurance Committee. This was as a result of achieving a minimum mean score of 4.8 and a mode of 5.1.

DEPARTMENT OF PATHOLOGY

Carlos Escoffery, BSc, MBBS, DM *UWI* – Head of Department

The Department of Pathology is engaged in teaching, research and service and is composed of various subdepartments and units, the major ones being Anatomical Pathology (Autopsy, Cytogenetics, Cytology, Histology, Immunohistochemistry), Chemical Pathology and Haematology (Blood Bank, Flow Cytometry and Routine Haematology).



Staffing, Staff Development & Administrative Reform

There are 19 full-time members of academic staff and one half-time lecturer (shared with the Department of Medicine).

In addition to the academic staff, the department has a diverse staff of about 40 medical and laboratory technologists, miscellaneous administrative, secretarial and clerical staff, research nurses, medical photographers, laboratory attendants, etc, giving a full-time staff of 100.

Each member of the academic staff continues to work along the lines of teaching, research and service work without any planned weighting or streaming in terms of differential workloads. We await further guidelines from the Faculty as to how to implement these in an equitable and functional manner.

Replacing retired academic staff members in Anatomical Pathology has proven to be problematic. This sub-department currently has three Professors working on post-retirement contracts and attempts to replace these persons by recruitment locally, regionally and internationally have not been successful so far. One of our recent DM graduates is slated to

undertake post-doctoral training in Canada to enable her to replace one of the retirees in 2012.

A Business Manager was appointed (effective June 1, 2011) to administer the financial aspects of running the laboratories and to organize and execute the commercialization process initiated by the University in 2008.

We still await other administrative appointments and reform in the Department as requested for the past two years such as:

The appointment of a Quality Assurance Manager to drive, coordinate and monitor the accreditation of the laboratories

The appointment of a Departmental Information Technology Manager, an appointment that is now vital because of the imminent acquisition of a Laboratory Information System

The rationalizing and reclassification of the Departmental administrative staff so as to better cope with the ever increasing administrative load being placed on the academic staff

The empowerment of the Sub-departmental/Unit Heads to exercise more autonomy with respect to the management of their budgets and staff.

WORK OF THE DEPARTMENT

Laboratories and Autopsy Service

Our laboratory and autopsy services continued to provide invaluable support to the care of the in- and outpatients of the UHWI, as well as to patients from other medical facilities and institutions, both national and regional.

A total of 495,670 tests were performed by the Chemical Pathology Laboratory and 150,866 by the Routine Haematology Laboratory. The Blood Bank performed 20,907 tests and collected 4006 units of blood from voluntary donors. The Flow Cytometry Unit performed 73 tests. The Cytology Laboratory processed 4,297 pap smears (64,455 units of work) and 628 non-gynaecological cases (81,640 units of work). The

Histopathology Laboratory accessioned and processed 7,926 surgical cases which generated 42,791 tests (including routine, histochemical and immunohistochemical stains), amounting to 614,275 units of work. A total of 183 autopsies were performed, including 43 perinatal autopsies.

The Accreditation Steering Committee consisting of the Chief Medical Technologists, Senior Medical Technologists and representative Consultants from the Sub-departments in Pathology devised strategies on how to improve the quality management system in all the laboratories in keeping with ISO 15189. A gap audit of the quality management system was completed in June 2011 in all of the laboratories using the 20 Milestone accreditation tool. The findings of the audit are being reviewed and there are plans to apply for accreditation of the tests performed in the laboratories from the Jamaica National Agency for Accreditation (JANAAC) in August 2012.

TEACHING & LEARNING

Undergraduate Programmes

The Department continued to be very heavily involved in the teaching of all aspects and sub-specialties of Pathology in both Stages I and II of the MBBS programme. Dr Elaine Williams continued as our Departmental Academic Administrator of Undergraduate Affairs, overseeing and coordinating all aspects of medical student education in the Department, including Clerkship coordination, as well as representing us on the Stage I & Stage II Committees, Assessment & Examination Committee and the Curriculum Committee. The end-of-clerkship examination (fourth year of the MBBS programme) has become fully electronic, which not only makes it easier to mark, but also makes it capable of being administered to clerkship teaching at the Western Campus/Cornwall Regional Hospital site.

Our lecturers continued to perform their assigned tasks admirably and were consistently rewarded with high assessment scores by the students, averaging over 4.0 for the Department as a whole.

Graduate Programmes

The DM Programme in Anatomical Pathology currently has 14 registered candidates representing our highest quota of residents-in-training in the history of the programme. Dr Nadia Williams continued as the Director of the Post Graduate (DM) Programme in Anatomical Pathology and Departmental Representative on the FMS Committee for Graduate Studies. She was instrumental in the restructuring of the programme including the compilation of a comprehensive curriculum and the institution of an “End of First Year Aptitude” Evaluation.

Several members of staff were involved in the supervision and teaching of MPhil, MSc and PhD candidates registered in the Department of Basic Medical Sciences, as well as teaching postgraduate students in the DM Surgery, DM Psychiatry and DM Internal Medicine Programmes.

The DM Programme in Haematology/Oncology has been approved by the Board of Graduate Studies and will replace the existing DM Haematology Programme. MPhil/PhD programmes in Anatomical Pathology, Haematology and Chemical Pathology are being developed, and the DM in Chemical Pathology is being revitalized.

INFRASTRUCTURE DEVELOPMENT & FACILITIES

Refurbishing exercises are underway to create a new annex of offices for academic and administrative staff and to improve the Departmental Stores and Central Office. Although this will, by default, free up some space for the use of postgraduate students, storage of records, supplies, archival material, etc, we are still short of functional space and continue to hope to have a new building one day.

The lack of a Museum is still a major hindrance to our teaching effort, and we will need funding to enable us to develop a new modern Museum and Interactive Learning Centre in the rooms on the Rippel Building Spine that were previously occupied by the Department of Surgery, Radiology, Anaesthetics and Intensive Care.

RESEARCH & INNOVATION

Dr Tracey Gibson's new **Cytogenetics Laboratory** (sited in the former Labs 7 & 7A of the Rippel Building) officially opened on July 29, 2011. This laboratory was funded by the CHASE fund at a cost of approximately **J\$20 million**.

PAPERS PRESENTED

- **Bishop K.** “The Post Mortem – Its value when there is a bad pregnancy outcome” The Grabham Society Annual Clinical Conference, the Jamaica Pegasus Hotel, Kingston, Jamaica, July 2010.
- **Bishop K.** Nyi Nyi M, Jaggon JR, Johnson N, Trotman H, Richards N. “Perinatal Death in Maternal Diabetes Mellitus at UHWI. Pathological Findings: 2006 – 2010.” 10th Annual Perinatal Conference: Faculty of Medical Sciences, UWI, Mona, February 2011.
- **Bishop K.** “Perinatal Pathology Report, January – December 2010: Analysis of Data” 10th Annual Perinatal Conference: Faculty of Medical Sciences, UWI, Mona, February 2011.

Chin SN

- “Advanced Renal Cell Cancer: challenges in targeted therapy era”, Jamaica Urologic Society Meeting, Alhambra Hotel, Kingston, Jamaica, July 2011
- “Cancer Staging”, Department of Medicine Summer Course Series, Faculty of Medical Sciences, The University of the West Indies, Mona, July 2011
- “Systemic therapy for Head and Neck Cancer”, Jamaica Association of Clinical Pathologists, Kingston, November 2010
- ND McFarlane-Anderson, M K Tulloch- Reid, FI Bennett, **KCM Coard**, MD Jackson. “Is inflammation associated with Prostate

Cancer in Jamaican men?” 3rd Annual International African-Caribbean Cancer Consortium Conference, Miami, Florida, USA, November 2010.

- Mayhew. R Wan, F Bennett, **K Coard**, M Jackson. “Body mass index and prostate-specific antigen levels in Jamaican men.” (Poster presentation) 3rd Annual International African-Caribbean Cancer Consortium Conference, Miami, Florida, USA, November 2010.

Dilworth L.

- **L Dilworth**, M Gardner, H Asemota, F Omoruyi. “Morphological Changes in the Intestine of Rats Fed Phytic Acid Extract from Sweet Potato (*Ipomoea Batatas*)”. (Poster Presentation) American Association of Clinical Chemists Annual Meeting and Laboratory Exposition, Atlanta, Georgia, USA, July 2011.

Gibson TN

- “Challenges and opportunities in paediatric cancer registration: the Jamaican experience”. **Gibson TN**, Hanchard B. SickKids-Caribbean Paediatric Cancer and Blood Disorders Meeting, Bridgetown, Barbados, October 2010
- “The epidemiology of head and neck cancer in Jamaica”. 16th Annual Scientific Symposium of the Jamaican Association of Clinical Pathologists, UWI, Mona, November 2010.

Hanchard, B.

- “Non-Hodgkins lymphomas of the head and neck”, Jamaica Association of Clinical Pathologists 16th Annual Scientific Symposium, UWI, Mona, November 2010
- “The Epidemiology and pathology of lung cancer”. The 37th Annual Dr. Ena Thomas Memorial Lecture and Symposium, Jamaica Pegasus Hotel, November 2010

- “Epidemiology of Colon Cancer in Jamaica”. JCS DMED ACPJ AWIG Colon Cancer Symposium, Golf View Hotel, Mandeville, Jamaica, March 2011
- “Epidemiology of Colon Cancer in Jamaica” Association of Consultant Physicians Symposium, Knutsford Court Hotel, Kingston, Jamaica, March 2011
- “Epidemiology of Colon Cancer in Jamaica” Association of Surgeons Symposium, Kingston, Jamaica, May 2011
- J Campbell, **JR Jaggon**, P Johnson, C Bruce “The Establishment of an Intracranial Tumor Registry at the University Hospital of the West Indies”.
- P Johnson, J Campbell, **JR Jaggon**, C Bruce “Intracranial Tumor Registry of the University Hospital of the West Indies: Initial Data: Meningioma”.
- Caribbean Neurosciences Symposium, Ritz Carlton Hotel, Montego Bay, Jamaica, January 2011.

Lowe D.

- “Chemotherapy in Colon Cancer – *Past, Present and Future*”, Colorectal Cancer Symposium, Golf View Hotel, Mandeville, Jamaica, March 2011.

McGrowder D.

- “The expanding role of molecular biology techniques in clinical chemistry” at the Caribbean Association of Medical Sciences (CASMET) Annual Conference at Four Seasons Hotel, Kingston, Jamaica, March 2011.
- Crawford T, **McGrowder D**, Rawlins J. “Diabetes Mellitus and the Breathalyzer Test – The Question of Reliability: A Jamaican Study”. University Diabetes Research Outreach Programme (UDOP). 17th Annual International Diabetes Outreach, March 24 – 27.

- Green C, Wheatley A, Hanchard B, Gibson T, **McGrowder D**, Dilworth L, Asemota HN. “Histopathological effects of ortanique peel polymethoxylated flavones on organ structures of hypercholesterolemic rats.” Experimental Biology, April 9-13, 2011, Walter E. Washington Convention Centre, Washington D.C. USA.

Wharfe G.

- “Assessment of the bleeding patient: When is it a haemostatic problem” Association of Family Physicians Conference, Medallion Hall Hotel, Jamaica, July 2010.
- “Early diagnosis and intervention in cancer: Does it really matter” Jamaican Association of Physiotherapists Conference, Alhambra Inn, Jamaica, September 2010.
- “Management of oligodendrogliomas” 29th Caribbean Academy of Neurosciences Annual Conference, Ritz-Carlton, Montego Bay, January 2011.
- “Erythrocytosis, thrombocytosis, leucocytosis-Reactive or neoplastic” Department of Medicine summer programme, Main Lecture Theatre, UWI, Mona, August 2011.

Williams N.

- “Cervical Cancer: Epidemiology and Screening Overview”. North East Regional Health Authority Training in Cervical Cancer Screening Seminar, Annotto Bay Hospital, Jamaica, November 2010.
- “Colon Polyps and Risk Factors for Colon Cancer”. Jamaica Cancer Society/Association of Consultant Physicians of Jamaica/Association of West Indian Gastroenterologist Colon Cancer Symposium, Golf View Hotel, Mandeville, Jamaica, March 2011.

- “Lymph node identification in colon cancer: A collective quality assurance responsibility”
- “Recognition of microscopic colitis in the Caribbean”.
- Association of West Indian Gastroenterologists, Twenty-fifth Annual meeting and International Postgraduate course 2011, Rose Hall, Jamaica, April 2011.

Presentation at the 19th Annual Research Conference of the Faculty of Medical Sciences, UWI, Mona Visitors Lodge and Conference Center, UWI, Mona, November 2010.

- **Brady-West D**, West W, “Thrombo-embolic disease in patients with malignancies at the University Hospital of the West Indies: A ten-year review”, (poster presentation).
- **Brady-West D**, West W “Aetiology and radiological appearance of strokes in children and young adults”, (poster presentation).
- **Chin SN**, Plummer JM, Williams NP, Graham RP, Wharfe G. “The predictive value of histomorphologic features for the diagnosis of microsatellite instability (MSI) and Lynch Syndrome in the young Jamaican colorectal cancer (CRC) population.”
- Plummer JM, **Chin SN**, Williams NP, Graham RP, Wharfe G. “Lynch Syndrome in a predominantly Afrocentric Population: A clinicopathological and genetic study.” (poster presentation)
- B. Morrison, **K. Coard**, W. Aiken, M. Reid. “Risk of prostate cancer at repeat biopsy: the University Hospital experience.” (Poster presentation)
- **Shirley SE**, Mitchell DIG, Soares DP, James MV, Williams EE, Lowe DA, Rhoden AM, Choy L, Escoffery CT. “Clinico-pathologic features of breast cancer in Jamaica: The Jamaican Breast Disease Study.” Poster presentation

PUBLICATIONS

Books and Monographs

Book Chapter

- * **D. McGrowder** “Blood doping in sports and detection strategies”. In: *Jamaican Gold; Jamaican Sprinters*, Eds. Rachael Irving & Vilma Charlton: University of the West Indies Press, 2010. 121-133.

Refereed (Peer-Reviewed) Journal Articles

WIMJ = West Indian Medical Journal

- * Fletcher HM, **Bennett F**, Simms-Stewart D, Reid M, **Williams NP**, Wilks RJ, Mitchell S, Scott P. “Cardiovascular disease risk factors in menopausal Jamaican black women after hysterectomy and bilateral oophorectomy: An observational study.” *WIMJ*, 2010; 59:625-632
- * Johnson N, **Bishop KL**, Trotman H, Reid MEG. “Congenital Abnormalities at a Tertiary Centre in Jamaica: An 18 month Maternal - Fetal Medicine Experience.” *The Journal of Maternal-Fetal and Neonatal Medicine*, 2011, July, 1-5 (Epub ahead of print).
- * **Chin SN**, Kim TK, Siu LL. “Hepatic Steatosis Secondary to Capecitabine”: a case report. *Journal of Medical Case Reports*. 2010; 4: 227.
<http://www.jmedicalcasereports.com/content/4/1/227>
- * **Chin SN**, Boyne MS, **McGrowder D**, **Gibson TN**, CA McKenzie. “The predictive value of urinary vanillylmandelic acid testing in the diagnosis of phaeochromocytoma at the University Hospital of the West Indies.” *WIMJ*, 60; (2011): 141–147.
- * Morrison B, **Coard K**, Strachan G, Miller R, Aiken W, Mayhew R. “Radical prostatectomy outcomes at the UHWI”: 2000-2007. *WIMJ*. 60: (2011): 68-72.

- * McFarlane MEC, **Coard KCM**. “Actinomycosis of the colon with invasion of the abdominal wall: An uncommon presentation of a colonic tumour.” *International Journal of Surgery Case Reports*. 2010; doi:10.1016/j.ijscr.2010.07.002
- * **Gibson TN, Hanchard B**, Waugh N, McNaughton D. “Age-specific incidence of cancer in Kingston and St. Andrew, Jamaica, 2003 – 2007.” *WTMJ*, 59 (2010): 456-64.
- * **Gibson TN, Hanchard B**, Waugh N, McNaughton D. “Thirty-year trends in incidence and age-distribution of prostate cancer in Kingston & St. Andrew, Jamaica, 1978 – 2007”. *WTMJ*, 60, (2011): 9-12.
- * Whittle DO, Lee MG, **Hanchard B**. “Juvenile Polyposis Syndrome.” *WTMJ*, 59, 3 (2010): 306-308.
- * **Jaggon J**, Abrikian S, **Gibson T**, Johnson P, Liburd J. “Malignant craniopharyngioma: A case report and comprehensive review.” *The Internet Journal of Pathology* 11, 1 (2011): <http://www.ispub.com>
- * Ottey-Allen A, Burnell G, Duncan W, Simpson C, **McGrowder D**, Alexander-Lindo R. “Assessment of blood donation process at four major centres in Jamaica.” *Journal of Diagnostic and Clinical Research* 4, (2010) :2720-2727.
- * Vaz K, **McGrowder D**, Alexander-Lindo R, Gordon L, Brown P, Irving R. Knowledge, “Awareness and compliance with universal precautions among health care workers at The University Hospital of the West Indies.” *International Journal of Occupational and Environmental Medicine* 1, 4 (2010):171-181.
- * **McGrowder D**, Brown P, Irving R, Crawford T, Anderson-Jackson L. “How prepared are medical and non-medical laboratories in Jamaica for accreditation?” *Accreditation and Quality Assurance* 15, (2010):569-577.
- * Gordon L, St. A. Morrison E.Y, Ragoobirsingh D, Martorell E, Choo-Kang E, **McGrowder D**. “Lipid profile in hypertensive

and Type 2 diabetes mellitus in the Jamaican Population.” *Archives of Medical Sciences* 6, 5 (2010): 701 - 708.

- * Pena-Fraser Y, Soyibo A, **McGrowder D**, Barton E. “The importance of bone biomarkers in the diagnosis of renal osteodystrophy.” *WTMJ*, 59, 3 (2010): 332 - 337.
- * **McGrowder D**, Brown P. “A study of clinical and laboratory findings in patients with Leptospirosis at a tertiary teaching hospital in Jamaica.” *Research and Reports in Tropical Medicine* 1, (2010): 59-64.
- * Brown P, McKenzie M, Pinnock M, **McGrowder D**. “Environmental risk factors associated with leptospirosis among butchers and their associates in Jamaica.” *International Journal of Occupational and Environmental Medicine* 2, 1 (2011): 47 – 57.
- * **McGrowder D**, Riley C, Morrison E.Y. St. A, Gordon L. “Usefulness of high density lipoprotein-cholesterol in reducing disease risk.” *Cholesterol Journal*. Article ID 496925, 9 pages; doi:10.1155/2011/496925.
- * Bryan S, Alexander-Lindo R, **McGrowder D**, Dasgupta T. “The effect of nitric oxide and s-nitrosothiols on haemodynamic parameters in an animal model.” *Open Access Animal Physiology*. 3, (2011): 1-8.
- * Crawford T, Rawlins J, **McGrowder D**, Adams, Jr. R. “The Church’s response to sexual reproductive health issues among youths: Jamaica’s experience.” *Journal of Health and Religion* 50 ,1 (2011): 163 - 176.
- * **McGrowder D**, Pena Y, Gordon L, C. Riley, Crawford T. “An assessment of lipid parameters in patients with subclinical and overt hypothyroidism.” *Cardiovascular Continuum* 2, (2011):17-23.
- * Anderson M, Hinds P, Hurditt S, Miller P, **McGrowder D**, Alexander-Lindo R. “The microbial content of unexpired

- pasteurized milk from selected supermarkets in a developing country.” *Asian Pacific Journal of Biomedicine* 1, (2011): 205-211.
- * Crawford T, **McGrowder D**, Rawlins J. “An assessment of falsely convicted type 1 diabetics in Jamaica by using the breathalyzer test.” *Journal of Clinical & Diagnostic Research* 5, 3 (2011): 448-452.
 - * Bryan S, Alexander-Lindo R, **McGrowder D**, Dasgupta T, Irving R. “The effect of nitric oxide and s-nitrosothiols on glucose concentration in an animal model.” *Journal of Natural Sciences, Biology and Medicine* 2, 1 (2011): 80-86.
 - * Walwyn M, Nicholson A, Lee MG, **Wharfe G**, Frankson MA. “Febrile neutropenia in cancer patients.” *WIMJ*, 59, 2 (2010): 209-214.
 - * Roye-Green K, Frederick J, **Wharfe G**, Choo-Kang E, DaCosta V, Fletcher H, Smikle M. “Antiphospholipid and other autoantibodies in a cohort of habitual aborters and healthy multiparous women in Jamaica.” *Human Antibodies* (2011): 20: 1-5.
 - * Ogunsalu C, West W, Lewis A, **Williams N**. “Ameloblastoma in Jamaica – Predominantly unicystic: Analysis of 47 patients over a 16-year period and a case report on re-entry cryosurgery as a new modality of treatment for prevention of recurrence.” *WIMJ*, 60, (2011): 240-246

Refereed (Peer-Reviewed) Journal Abstracts

- * **Chin SN**, Plummer JM, **Williams NP**, Graham RP, **Wharfe G**. “The predictive value of histomorphologic features for the diagnosis of microsatellite instability (MSI) and Lynch Syndrome in the young Jamaican colorectal cancer (CRC) population.” *WIMJ*, (2010); 59 (suppl 4): 42
- * Plummer JM, **Chin SN**, **Williams NP**, Graham RP, **Wharfe G**. “Lynch Syndrome in a predominantly Afrocentric Population:

A clinicopathological and genetic study.” *WIMJ*. 59 2010: (suppl 4): 51

- * Morrison B, **Coard K**, Aiken W, Reid M. “Risk of prostate cancer at repeat biopsy: the University Hospital experience.” *WIMJ*. (2010): 59 (Suppl 4) 49
- * Green C, Wheatley A, **Hanchard B**, **Gibson T**, **McGrowder** Dilworth L, Asemota HN. “Histopathological effects of ortanique peel polymethoxylated flavones on organ structures of hypercholesterolemic rats.” *The FASEB Journal*, 2011:616.2.
- * Crawford T, **McGrowder D**, Rawlins J. “Diabetes Mellitus and the Breathalyzer Test – The Question of Reliability: A Jamaican Study.” *WIMJ*. 2011:60 (Suppl. 1): 27.
- * **Shirley SE**, Mitchell DIG, Soares DP, James MV, **Williams EE**, **Lowe DA**, Rhoden AM, Choy L, **Escoffery CT**. “Clinico-pathologic features of breast cancer in Jamaica: The Jamaican Breast Disease Study.” *WIMJ*, 2010: 59 (Suppl. 4) 48.

INCOME GENERATION & DIVERSIFICATION

Research Grants:

Dr K Bishop:

- Project Title: Investigation of the correlation between ovarian cancer FAK expression and tumor migratory and invasive potential. Funding: UWI (Mona) Principal’s New Initiative Fund - J\$1,678,073.85 (US\$19500) & UWI (Mona) Graduate Studies Award - US\$2,200.00 - January, 2011

Dr S Chin

- Project title: Locally advanced breast cancer in Jamaica: disease characteristics and response to neoadjuvant chemotherapy (September 2011). Funding source: Research Fellowship Committee, Office of the Principal/ Scientific and Management Committee of the Caribbean Health Research Council - J\$1.5M/5000USD

Dr N Williams

- Establishment of the Jamaica Colorectal Cancer Registry: Collaborators – Dr J Plummer (Section of Surgery), **Drs G Wharfe, S Chin** (Department of Pathology), Dr S Gallinger, (Senior Research Scientist, University of Toronto, Canada). A grant of JD\$1.5M was approved.

PUBLIC SERVICE

Dr K. Bishop

- Cytopathology Consultant, Jamaica Cancer Society
- President, Jamaican Association of Clinical Pathologists

Dr D. Brady-West

- Assistant Editor, West Indian Medical Journal

Dr L Buchner-Daley

- UWI representative, Ministry of Health NPHL/NBTS Modernisation Committee

Professor G. Char

- Cytopathology Consultant, Jamaica Cancer Society

Dr Sheray Chin

- Reviewer, *Gynecologic Oncology & West Indian Medical Journal*
- Member, American Society of Clinical Oncology, Caribbean Association of Oncology and Haematology
- Member, Association of Consultant Physicians of Jamaica
- Member, Medical Association of Jamaica

Professor K. Coard

- Chairman, Research Grants Awards Committee, Caribbean Cardiac Society.

Professor C. Escoffery

- Cytopathology Consultant, Jamaica Cancer Society

Dr. T. Gibson

- Cytopathology Consultant, Jamaica Cancer Society

Professor B. Hanchard

- Member, Executive Board, International Society of Retrovirology
- Member, Board of Directors & Cytopathology Consultant, Jamaica Cancer Society

Dr. J. Jaggon

- Cytopathology Consultant, Jamaica Cancer Society
- Secretary/Treasurer, Jamaican Association of Clinical Pathologists
- Member and Assistant secretary, Jamaica League Against Epilepsy
- Neuropathology and Neuromuscular Consultations, Kingston Public Hospital, Bustamante Hospital for Children and Cornwall Regional Hospital

Dr. D. Lowe

- Executive Member, Leukemia CARE
- Voluntary Clinician, National Blood Transfusion Service
Voluntary Blood Donor Drive
- Clinical Advocate, Jamaica Haemophilia Society

Dr. D. McGrowder

- President, Laboratory Association of Jamaica.
- Member, Accreditation Council, Jamaica National Agency for Accreditation

Professor D. Shah

- Deputy Chairman, Council, Professions Supplementary to Medicine, Ministry of Health, Jamaica
- Cytopathology Consultant, Jamaica Cancer Society

Dr. S. Shirley

- Cytopathology Consultant, Jamaica Cancer Society
- Reviewer, *West Indian Medical Journal*
- Member , Jamaica National Agency for Accreditation Council **(JANAAC)** Technical Advisory Committee ISO 15189 for Medical Laboratories

Dr. J. Taylor-Houston

- Chairperson, Leukaemia CARE

Dr G Wharfe

- Member, Caribbean Association of Oncology and Haematology
- Chair, Jamaica Haemophilia Committee

Dr. E. Williams

- Cytopathology Consultant, Jamaica Cancer Society

Dr. N. Williams

- Member, International Relations Committee of the American College of Gastroenterology
- Cytopathology Consultant, Jamaica Cancer Society
- Executive Member, U.W.I. Medical Alumni Association
- Member, ICHS Alumnae Association “Big Sister” Programme
- Member, ICHS Alumnae Association Scholarship Committee

HONOURS & AWARDS

Professor K Coard

- Award of *Commander of the British Empire (CBE)*.
- **2010/2011** *Vice-Chancellor's Award for Excellence in Teaching*

DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE

Professor Ivor Crandon, CD, FRCS (Ed.) – Head of Department:

WORK OF THE DEPARTMENT

The Department of Surgery, Radiology, Anaesthesia & Intensive Care is one of nine clinical departments within the Faculty of Medical Sciences located at Mona in Jamaica, and is engaged in the undergraduate and postgraduate training of doctors, nurses, physiotherapists, psychologists and emergency medicine responders for Jamaica, the region and the world. The teaching staff functions as consultants at the University Hospital of the West Indies, a modern hospital of 500 beds, where the available patients facilitate the teaching of students.



The concept of providing modern surgical training became a reality with the official opening on July 21, 2011 of The CHASE Carnegie Skills Laboratory. Hon. Rudyard Spencer, Minister of Health, was in attendance at the opening ceremony. Of significance in this new facility are the technological capabilities to link with the Western Campus in Montego Bay and Yale University School of Medicine in Connecticut, USA, which was demonstrated at the opening. This laboratory will function as a simulator for basic and advanced training in Surgery and all its disciplines, Anaesthesia and Intensive Care and Emergency medicine.

Teacher training through the MEU/IDU is required of all new Department members. The Department achieved a teaching score of 4.4 for courses and 4.2 for Lecturers, compared with 4.3 and 4.4 respectively for the previous year, a commendable performance and in keeping with its objectives.

In light of the increased intake of medical students, efforts continued to expand off-campus sites. Surgical and Orthopaedic clerkships for Year 5 (Final Year) have now been extended to the Mandeville Regional Hospital (MRH). The Year 3 junior surgical clerkships are offered at three sites: University Hospital (UHWI), Kingston Public Hospital (KPH) and Cornwall Regional Hospital (CRH) and Year 4 clerkships at UHWI and CRH. Teaching at CRH and KPH is now well established in undergraduate training and has been extremely well-received by the students. Teaching is projected to commence at the Spanish Town Hospital in September 2011.

In the continuing effort at synchronization, the Department is actively working with colleagues to ensure standardization of evaluation instruments for clerkships across campuses.

During the year, the Department received medical students and residents for elective experiences from the UK, St. Lucia, Germany, Canada and the USA among other countries.

Members of the Department play an active role in the curriculum review workshop process of the Faculty. A CD (Surgical Instrument Review) was developed to assist students with undergraduate clerkship revision. The DM Surgery Part II curriculum is being published and the undergraduate curriculum document is to undergo further revision at the end of the year.

The Section of Anaesthesia and Intensive Care conducted a Conference/workshop to train regional physicians in the use of state of the art and cutting edge equipment used in modern Anaesthesia and Intensive Care. The title of the conference/workshop held between March 26th and 27th in the Main Medical Lecture Theatre and the CHASE Carnegie Skills Laboratory was, *Echocardiography and Ultrasound Applications in Anaesthesia and Intensive Care*. This attracted some 76 participants comprised of Consultants and Residents in anaesthesia, critical care medicine and emergency medicine from Jamaica and the wider English speaking Caribbean including Trinidad & Tobago, Grenada, St Kitts & Dominica.

The Department hosted a successful and well attended 9th Annual Caribbean Neurosciences Symposium and Charity Golf Tournament

from January 27 – 30, 2011 at the Ritz Carlton, Rose Hall, Montego Bay. This symposium was preceded by a Spine Workshop held from January 25-27, 2011 in the CHASE Carnegie Skills Lab.

Renovations were undertaken and completed in June 2011 to the various offices within the Section of Surgery. This was achieved through the Campus and Department members' individual contributions.

The Department expresses appreciation to the Dean, Faculty of Medical Sciences, for providing three new computers for the administrative staff, and a water tank in April 2011.

In 2010 we bade farewell to the following long-serving academic staff members: Dr. Denis Ronald DuQuesnay, Dr Romer E. Christopher Rose and Prof. Joseph Michael Branday. The latter was appointed Dean, Faculty of Medical Sciences, UWI Cave Hill Campus.

Honours Awards and Fellowships

Note should be taken of the following who received Honours, Awards or Fellowships:

- Dr. Belinda Morrison for Best poster presentation, *Hypogonadism and associated osteopenia and lipid abnormalities in adult male patients with sickle cell disease*, at the American Urological Meeting in Washington DC, May 14-19, 2011.
- Dr. Jean Williams-Johnson: Fulbright Scholar Award for Latin America and the Caribbean, Wayne State University, Detroit, Michigan, USA, September 5 - December 5, 2010.
- Dr. Nicole Hart: Trauma Fellowship, University of Toronto, Canada, July 1, 2010 – June 30, 2011.
- Dr. Ingrid Tennant-Martin: Research Fellowship at the TMRI, UWI, August 2010 to July 2011.
- Dr. Peter Johnson: The Derek Harwood-Nash Fellowship by the RSNA, a Neuro-imaging Fellowship at Emory University, June – July 2011.

RESEARCH

The Department of Surgery under Dr Joseph Plummer has undertaken the establishment of a colon cancer registry. Funding was provided through the Principal's Research Initiative. The database instrument has been procured and training of field staff has proceeded smoothly.

The Intracranial Tumour Registry was established consequent on collaboration between the Neurosurgery Service in the Section of Surgery and Section of Radiology and the Department of Pathology, utilizing funds provided through the Principal's Fellowship Initiative.

Participants in this project are:

- Dr. Peter Johnson (Radiology)
- Dr. Carl Bruce (Neurosurgery)
- Dr. Jacqueline Jaggon (Pathology)

The Registry software was obtained by The Centre for Disease Control (CDC). The registry seeks to collect demographic, clinical, radiological and pathological data on all patients diagnosed with an intracranial tumour at the University Hospital of the West Indies since the inception of Magnetic Resonance Imaging at the University Hospital in 2002. There are plans to expand this registry in the future to include patients from the South East Region group of hospitals as well as Cornwall Regional Hospital.

Trauma Registry

A total of 15,481 records had been entered in the database as at July 18, 2011.

Backlog data now being entered is for June 2011.

PAPER PRESENTED

- **Dr. SO Cawich.** Pathophysiology and Treatment of Chronic Leg Ulcers. 17th Annual International Diabetes Conference. Sunset Grande Hotel. Ocho Rios, Jamaica. March 26, 2011
- **Professor A McDonald.** Data from the Trauma Registry [a 10 year analysis of trauma]. Sir Harry Annamunthodo Lecture.
- **Dr. K. Ehikhametalor.** Diabetic Neuropathic Pain. Medical Association of Jamaica Symposium 2011, The Pegasus Hotel, New Kingston, June 2-5, 2011.
- **Professor AH McDonald:** Training medical graduates of The University of the West Indies to become world leaders in the field of medicine. 10th William Dennis Memorial Lecture, Main Lecture Theatre, UWI, July 21, 2011.
- **C. Dave McGaw .** Principles of ultrasonography & Anatomy of the heart. Anaesthetic Workshop, CHASE/ Carnegie Skills Laboratory, UWI, March 26 & 27, 2011.
- **Dr. E. Williams.** Surgical causes of abdominal pain in the patient with HIV. Jamaica Emergency Medicine Association 11th Annual Conference, Jamaica Pegasus Hotel, Kingston, March 27, 2011
- **Dr. J. Plummer.** Diagnosing Lynch Syndrome in a cohort of young patients with colorectal cancer in Jamaica. Association of West Indian Gastroenterologists, Iberostar Suites, Rose Hall, Jamaica, April 28-30, 2011.
- **Dr. W. Aiken.** Your Prostate and your Sexuality. Senior Common Room Committee 1st Seminar Series, Senior Conference Room, UWI Campus, June 23, 2010.
- **Dr. D. Mitchell.** Breast Cancer. The University of the West Indies Women's Health Group Meeting, Conference Room Department of Obstetrics and Gynaecology, October 27, 2010.

- **Dr. REC Rose.** Orthopaedics in the Caribbean. Jamaica Urological Society Prostate Cancer Medical Symposium, The Jamaica Pegasus, September 12, 2010.
- **Dr. B. Morrison.** Priapism: Current Concepts in Medical and Surgical Management. Jamaica Urological Society Annual Symposium, The Jamaica Conference Centre, February 27, 2011.
- **C. Dave McGaw .** Principles of ultrasonography & Anatomy of the heart. Anaesthetic Workshop, CHASE/ Carnegie Skills Laboratory, UWI, March 26 & 27, 2011
- **Dr. E. Williams.** Surgical causes of abdominal pain in the patient with HIV. Jamaica Emergency Medicine Association 11th Annual Conference, Jamaica Pegasus Hotel, Kingston, March 27, 2011.
- **Dr R Reid-Stultz.** Ultrasound Physics and Artifacts. Accident and Emergency Workshop, UHWI
- **Dr B Ying.** Ultrasound Demonstration of Aortic Disease. Accident and Emergency Workshop, UHWI
- **Dr. J. Plummer.** Diagnosing Lynch Syndrome in a cohort of young patients with colorectal cancer in Jamaica. Association of West Indian Gastroenterologists, Iberostar Suites, Rose Hall, Jamaica, April 28-30, 2011.
- **Dr R Bullock.** Imaging Options in Sports Medicine. Jamaica Association of Radiologist Musculoskeletal Symposium, UHWI.
- **Dr D Cornwall.** Screening for Breast Cancer. Association of Surgeons Annual Conference, Knutsford Court Hotel, May 14&15, 2011.
- **Dr. Jean Williams-Johnson.** Disastrous Cases of Mistaken Identify: Saltpetre Poisoning – Caribbean Poison Information Network Seminar, University of Technology, May 2, 2011.

- **Dr. Eric Williams.** Lessons from Surgical Embolectomy for Saddle Pulmonary Embolism: A case report and literature review – 7th Emergency Cardiac Care Conference, The Jamaica Pegasus Hotel, May 7, 2011.
- **Dr. Simone French.** Emergency Medical Services in Jamaica: the Weakest Link – 7th Emergency Cardiac Care Conference, The Jamaica Pegasus Hotel, May 7, 2011.

Caribbean Health Research Council, 56th Annual Council and Scientific Meetings, April 14-16, 2011. Princess Hotel, Guyana.

- **Morrison B, Soares-Wynter S, Madden W, Reid M:** Hypogonadism, bone mineral composition and lipid abnormalities in adult male patients with sickle cell disease.
- **Morrison B, Burrowes, Aiken W, Mayhew R, Fletcher H, Reid M:** Bone mineral density in Jamaican men on androgen deprivation therapy for prostate cancer.
- **Cawich SO, Barnett AT, Crandon IW:** Postgraduate surgical training: improving the quality of the process of informed consent for surgery in training hospitals.
- **Morrison B, Aiken W, Reid M:** Trends in androgen deprivation therapy for prostate cancer since the introduction of the National Health Fund.
- **Cawich S, Arthurs M, Murphy T, Martin AC, Mitchell DIG, Gordon-Strachan G:** Screening for common duct stones with pre-operative endoscopic cholangiography in a sickle cell cohort.
- **Isaacs M, Harding HE, Arthurs M, Murphy T, Cawich SO, Martin AC, Roberts HA, Gordon-Strachan G:** An audit of ERCP morbidity in patients with homozygous sickle cell haemoglobinopathy at the University Hospital of the west Indies.

**The Association of Surgeons 53rd Annual Clinical Conference,
Knutsford Court Hotel, Kingston, Jamaica, May 14-15, 2011**

- **Dr. S Cawich.** Aetiology and pathogenesis of chronic leg ulcers
- **Dr. J. Plummer.** One thousand and one consecutive colonoscopies in central Jamaica: results and implications
- **Dr. S. Cawich.** Laparoscopic major hepatectomy for neuroendocrine carcinoma
- **Dr. D. Cornwall.** Breast Cancer Screening
- **Dr. H. Brown.** Traumatic aortic injury: a new treatment paradigm

**9th Annual Caribbean College of Surgeons Conference, Grenada
Grand Beach Resort, June 10-12, 2011**

- **Dr. J. Plummer.** Management of colonic injuries
- **Dr. SO Cawich et al.** An audit of informed consent for surgery in a training hospital in the Caribbean
- **Dr. J. Plummer.** Diagnosing Lynch Syndrome in Jamaica

**24th Clinical Research Meeting, Main Medical Lecture Theatre,
UHWI, Friday July 15, 2011**

- **Dr. B. Morrison.** Hypogonadism, bone mineral composition and lipid abnormalities in adult males with sickle cell disease
- **Dr. E. Williams.** Lessons Learned from Surgical Embolectomy for Pulmonary Embolism
- **Dr. J. Blidgen.** Traumatic Aortic Transection Management at the UHWI in Jamaica
- **Dr. R. Venugopal.** A review and results of keloid management at UHWI

**Ophthalmological Society of the West Indies (OSWI) Conference,
Antigua, July 7-10th 2010**

- **Dr Lizette Mowatt, Dr S Amarakoon.** Massive Intraocular Foreign Body: Is There Any Hope For That Eye?
- **Dr. Lizette Mowatt.** An Eye for an Eye: Friend or Foe of Oedipus
- **Dr Hugh Vaughan.** The paediatrician: A tale of 2 cases

**Departmental Clinical Research Meeting, July 9, 2010. Main
Lecture Theatre, UHWI**

- **Dr. B. Morrison.** Bone Mineral Density in Jamaican Men on Androgen Deprivation Therapy for Prostate Cancer
- **Dr. J. Williams-Johnson.** The Crash-2 Trial: clinical randomization of antifibrinolytic in significant traumatic haemorrhage
- **Dr. I. Tennant-Martin.** Infection control in the OT: attitudes and compliance

**The Jamaica Anaesthetist Association Annual Conference,
Knutsford Court Hotel, Sunday October 24, 2010.**

- **Dr. M. Scarlett.** History of Anaesthesia in Jamaica
- **Dr. A. Crawford-Sykes.** New developments in Anaesthesia
- **Dr. Anthony Williams.** The role of the anaesthetist as the perioperative physician

**Anaesthetic Update 2010 in Perioperative Care, Port of Spain,
Trinidad**

- **Dr. Annette Crawford-Sykes.** Developments in anaesthesia in the 1st decade of the 21st Century

- **Dr. Clarence D. McGaw.** Perioperative management of pulmonary hypertension
- **Dr. Hyacinth Harding-Goldson.** Current guidelines in managing traumatic brain Injury

Section of Anaesthesia & Intensive Care Ethics Seminar, December 5, 2010, Kingston, Jamaica

- **Dr. Richard Augier.** Applying ethical principles to practical problems – a case-based review of ethical dilemmas
- **Dr. Jacqueline Minott.** The Doctor –Patient relationship - Ethical considerations
- **Dr. Alan Barnett.** Practice liability – how not to get sued

The 9th Caribbean Neurosciences Symposium & Workshop, UHWI, Mona, & the Ritz-Carlton Conference Centre, Rose Hall, Montego Bay, January 25-27, 2011 & January 27-30, 2011.

- **Dr. F. Pencle.** Spine – Degenerative Scoliosis
- **Dr. J. Minott.** Ethics Talk
- **Dr. A. Barnett.** Patient Care (Ethics)
- **Dr. N. Nelson.** Diagnosis of Cervical Vascular Disease
- **Dr. K. Ehikhametalor.** Rationalizing use of Medication in Chronic Pain
- **Dr. D. Soares.** The Role of MR Spectroscopy in the Management of Oligodendrogliomas
- **Dr. W. Palmer.** Lumbar Orthosis
- **Dr. K. Vaughan.** Evaluating the Scoliosis Curve and Definition of Angles

- **Dr. A. Mansingh.** Evaluating Lower Back Pain in the Athlete
- **Dr. P. Johnson.** Correlation between Radiology and Pathology in Meningioma
- **Dr. C. Bruce.** Evolving Management of Pineal Region Tumours
- **Dr. J. Blidgen.** Incidence of Stroke Post CABG

PUBLICATIONS

WIMJ = West Indian Medical Journal

(Peer-Reviewed Journal Articles)

(Full Papers)

- * **Rose REC.:** Acute trauma applications of the Ilizarov method. *The Internet Journal of Orthopedic Surgery*, 2010; Volume 16, Number 1.
- * **Rose REC.:** Tibia lengthening using the classic Ilizarov technique. *The Internet Journal of Orthopedic Surgery*, 2010; Volume 16, Number 1.
- * **Rose REC.:** Pin site care with the Ilizarov circular fixator. *The Internet Journal of Orthopedic Surgery*, 2010; Volume 16, Number 1.
- * Ward E, **McCartney T**, Arscott-Mills S, Gordon N, Grant A, **McDonald AH**, Ashley DE.: The Jamaica Injury Surveillance System: a profile of the Intentional and Unintentional Injuries in Jamaican hospitals. *WIMJ*. January 2010;59(1)7-13
- * Plummer JM, Brown H, Jones K, Ferron-Boothe D, Meeks-Aitken N, McDonald AH.: Trauma- the burden of a preventable problem. *WIMJ*. January 2010;59(1)26-28
- * Pierre RB, **Branday JM**, Pottinger A, Wierenga A.: Students' Perception of the 'Educational Climate' at the Faculty of Medical Sciences, the University of the West Indies, Jamaica. *WIMJ*. January 2010;59(1)45-49

- * **Plummer JM**, Bonadie KO, Williams N, **Leake PA**, **Mitchell DIG.**: Duodenal Fibrosarcoma Mimicking Franz Tumor complicated by Post-resection Chylous Ascites (a Case Report). *WTMJ*. January 2010;59(1)84-87
- * **Williams-Johnson, J.** [CRASH-2 trial collaborators]: Effects of tranexamic acid on death, vascular occlusive events, and blood transfusion in trauma patients with significant haemorrhage (CRASH-2): a randomised, placebo-controlled trial. *Lancet* 2010; 376 (9734): 23-32
- * Foster TM, Lee MG, **McGaw CD**, Frankson, MA: Knowledge and Practice of Occupational Infection Control among Healthcare Workers in Jamaica. *WTMJ* March 2010 59(2)
- * **Duncan ND**, Plummer J, Dundas SE, Martin A, McDonald AH: “Adult Hirschsprungs Disease in Jamaica; Operative Treatment and Outcome “ *colorectal Dis* 2011 Apr, 13(4) 454-8
- * **Duncan ND**: Male Circumcision and the Caribbean HIV Epidemic. *WTMJ* March 2010 59 (4):348-350.
- * Christie CD, **Duncan ND**, Thame KA, Onorato MT, Smith HD, Malcolm LG, Itzler RF et al: Pentavalent rotavirus vaccine in developing countries: Safety and Health Care Resource Utilization: *Pediatrics* 2010 Dec; 126(6e 1499-506 *Epub* 2010 Nov 29
- * Jackson M, Walker S, Smith C, McFarlane-Anderson N, Bennett F, Coard K, **Aiken W**, **Tulloch T**, Paul T, Wan R. ‘Body size and risk of prostate cancer in Jamaican men’. *Cancer Causes and Control*, 2010; Vol. 21: 909 – 917.
- * 16. **Williams-Johnson J**, **Williams EW**, Watson H: “ Management and Treatment of Pelvic and Hip Injuries”. *Emerg Med Clin N America* 28 (2010) 841-859.
- * 17. Gossell-Williams M, **Williams-Johnson J**, Francis L: Hypoglyceamic Complications with Diabetes Mellitus Management: The Predominant Adverse Drug Reaction

Presenting to the Accident and Emergency Department of the University Hospital of the West Indies. *WIMJ* 2010; 59 (5):555-560.

- * 18. **Plummer J, Roberts P, Leake P, Mitchell D**: Surgical Care in Jamaica in the Laparoendoscopic Era – challenges and future prospects for developing nations. *The Permanente Journal/Winter 2001/Volume 15 No. 1* p. 57-61
- * **Plummer J, Williams N, Johnson P, Lee M**. “Left colon and liver hemangiomas”. *Can J Surg*, 52, 5(2009):195-196
- * **Vaughan KD.**: Haiti: lessons learnt [editorial]. *WIMJ*. March 2010; 59(2)119
- * Foster TM, Lee MG, **McGaw CD**, Frankson MA.: Knowledge and Practice of Occupational Infection Control among Healthcare Workers in Jamaica. *WIMJ*. March 2010; 59(2)147-152
- * Foster TM, Lee MG, **McGaw CD**, Frankson MA.: Prevalence of Needle-stick Injuries and other High Risk Exposures among Healthcare Workers in Jamaica. *WIMJ*. March 2010; 59(2)153-158
- * Chin V, **Harding HE, Tennant I, Soogrim D**, Gordon-Strachan GM, Frankson MA.: Dynamics of Antibiotic Usage in the Intensive Care Unit of the University Hospital of the West Indies. *WIMJ*. March 2010; 59(2)159-164
- * **Tennant I**, Nicholson A, Gordon-Strachan GM, Thomas C, Chin V, Didier MA.: A Survey of Physicians’ Knowledge and Attitudes regarding Antimicrobial Resistance and Antibiotic Prescribing Practices at the University Hospital of the West Indies, Jamaica. *WIMJ*. March 2010; 59(2)165-170
- * **West W**, West KP, Younger EN, **Cornwall D.**: Degenerative Disc Disease of the Lumbar Spine on MRI.: *WIMJ*. March 2010; 59(2)192-195

- * Asnani M, **Williams EW, Cawich SO**, Reid M, **Mansingh A, Shah S, Williams, Johnson J.**: Bilateral Psoas Abscesses and Vertebral Osteomyelitis in a Patient With Sickle Cell Disease. *BMJ Case Reports* 2010. doi:10.1136/bcr.01.2010.2642
- * LPT Chang, **HE Harding, I Tennant, D Soogrim, K Ehikhametalor**, B. James, A Frankson, GM Gordon-Strachan: Interdisciplinary Communication in the Intensive Care Unit at the University Hospital of the West Indies. *WIMJ*. 2010;59(6):656
- * **JA Williams-Johnson, AH McDonald**, G Gordon-Strachan, **EW Williams**: Effects of Tranexamic Acid on Death, Vascular Occlusive Events, and Blood Transfusion in Trauma Patients with Significant Haemorrhage (CRASH-2): A Randomised, Placebo-controlled Trial. *WIMJ*. 2010; 59(6):612
- * **Cawich SO, Downes R, Martin AC**, Evans NR, **Mitchell DIG, Williams EW**: Colonic Perforation: A Lethal Consequence of Cannabis Body Packing. *J Legal Forensic Med*. 2010; 17:269-271.
- * **R. Bullock, R. Mayhew**, T. Gibson, M. James, M. Didier, J. Nebnani: Leiomyoma: an unusual bladder neoplasm, *BMJ Case Reports* 2011; doi:10.1136/bcr.01.2011.3739
- * Clarke T, **Johnson P**, Webster D, Gilbert D, Barton E: Transient Cortical Blindness post Angiography. A case report; *WIMJ* 2011; 60 (3): 357
- * C. Ogunsalu, **W. West**, A. Lewis, N. Williams: Ameloblastoma in Jamaica—Predominantly Unicystic: Analysis of 47 Patients over a 16-year-period and a Case Report on Re-Entry Cryosurgery as a New Modality of Treatment for the Prevention of Recurrence. *WIMJ* 2011; 60(2):241
- * **Morrison BF, Coard K**, Strachan G, Miller R, **Aiken W, Mayhew R**: Radical Prostatectomy Outcomes at the University Hospital of the West Indies: 2000-2007. *WIMJ*, January 2011; 60 (1):68-72

- * **Morrison B, Aiken WD**, Reid M: Female Urinary Retention at the University Hospital of the West Indies: challenging diagnosis (Letter to the Editor). *WIMJ* January 2011; 60 (1): 102
- * 36. Lewis T, DaCosta V, Harriott J, Wynter S, Christie L, **Cawich S**: Factors Related to Obstetric Third and Fourth Degree Perinatal Lacerations in a Jamaican Cohort. *WIMJ* March 2011; 60 (2): 195-198
- * 37. **Brown E**, Maharaj S, James K: The Need for Gender Specific Tobacco Control Strategies: KAP survey findings on environmental tobacco smoke exposure among women in the reproductive age group. *WIMJ* March 2011; 60 (2): 208-213

Abstracts (oral)

- * **Morrison B**, Soares-Wynter S, Madden W, Reid M: Hypogonadism, bone mineral composition and lipid abnormalities in adult male patients with sickle cell disease. *WIMJ* 2011; 60 (Suppl 2):20
- * **Morrison B**, Burrowes, **Aiken W**, **Mayhew R**, Fletcher H, Reid M: Bone mineral density in Jamaican men on androgen deprivation therapy for prostate cancer. *WIMJ* 2011; 60 (Suppl 2):23
- * **Cawich SO**, **Barnett AT**, **Crandon IW**: Postgraduate surgical training: improving the quality of the process of informed consent for surgery in training hospitals. *WIMJ* 2011; 60 (Suppl 2):31-32
- * Abu Hilal M, Di Fabio F, **Cawich SO** et al: Single-center experience of pure laparoscopic liver resection for malignant disease: short and mid-term results support the oncological efficacy of minimally invasive liver surgery. *HBO*. 2011; 13(S2): 142-143.

Abstracts (posters)

- * **Morrison B, Aiken W**, Reid M: Trends in androgen deprivation therapy for prostate cancer since the introduction of the National Health Fund. *WTMJ* 2011; 60 (Suppl 2):39-40
- * **Cawich S**, Arthurs M, Murphy T, **Martin AC, Mitchell DIG**, Gordon-Strachan G: Screening for common duct stones with pre-operative endoscopic cholangiography in a sickle cell cohort. *WTMJ* 2011; 60 (Suppl 2):46
- * **Isaacs M, Harding HE**, Arthurs M, Murphy T, **Cawich SO, Martin AC**, Roberts HA, Gordon-Strachan G: An audit of ERCP morbidity in patients with homozygous sickle cell haemoglobinopathy at the University Hospital of the west Indies. *WTMJ* 2011; 60 (Suppl 2):51-52
- * **Crandon IW, Harding HE, Cawich SO**, Webster D: Complicated head trauma from machete wounds: the experience from a tertiary referral hospital in Jamaica. *International Journal of Injury Control and Safety Promotion*. DOI: 10.1080/17457300.2011.569890
- * **Plummer JM**: Laparoscopic Colectomy for Colonic Neoplasms in a Developing Country. *International Journal of Surgery* 9 (2011), pp. 382-385

Extract from The Jamaica Observer newspaper of June 7, 2011:

“A new operating technique which eliminates the need for open-stomach surgery on patients with a life-threatening aneurysm and dramatically shortens how long they stay in hospital was done for the first time in Jamaica in May at the UHWI ... performed by Dr Hilary Brown, Dr Mark Newnham and their counterpart at Yale University in the USA, Dr Bart Muhs”. Dr. Brown and Dr. Newnham are General Surgery Lecturers in the Section of Surgery.

RESEARCH GRANT

A special New Initiative Grant from UWI Research Fellowship Committee for the sum of J\$1,374,000.00 was approved for R. Augier/H. Harding-Goldson for their study on “*Urinary Leukotriene E4 in patients with Homozygous Sickle cell Disease*”. This becomes effective August 2011.

INCOME GENERATION

William Dennis Memorial Lecture	\$150,000.00
Clinical Research Meeting	\$10,000.00
Anaesthesia & Intensive Care (AIC)	
Conference/Workshop	\$500,000.00
AIC’s Ethics Conference	\$147,000.00
AIC’s ‘Raise the Roof’ campaign: Habib family & Guardian Life fundraising	\$1,500,000.00
AIC’s ‘Jamaica by Bike’ & NCB Foundation	\$200,000.00
UWI Caribbean Neurosciences Symposium	\$1,479,340.00
Consultancy income	\$1,137,935.13
Skills Laboratory	<u>\$35,000,000.00</u>
Total	J\$40,124,275.13

- Medical Equipment valued at £3000 was received for the Ophthalmology Division from the UK towards the end of May 2011. This donation was obtained through the efforts of Dr Lizette Mowatt who returned to the UWI in April after working as a Locum Consultant Ophthalmologist (vitreoretinal surgery) for a year at the Birmingham and Midland Eye Centre, England.
- An extra corporeal shock wave lithotripsy machine valued at approximately US\$270,000.00 was donated by the CHASE Fund in 2010 to the Urology Division.

PUBLIC SERVICE

Prof. Ivor Crandon

- Member, Appeal Panel of the Jamaican Anti Doping Commission
Ministry of Local Government, Community Development & Sports
- Medical Advisor,, Board, Medecus Insurance Co
- Member, Jamaica Cricket 2007 Medical Directorate & Medical, Health and Anti- Doping Committee
- Trustee, Mona Investment Trust Club
- Chairman, Intensive Care Unit/Operating Theatre Committee

Dr. Michael McFarlane

- Honorary Consultant, Jamaica Cancer Society
- Member, Board, Jamaica Cancer Society
- Examiner in Surgery, Caribbean Medical Council
- President, American College of Surgeons (Jamaica Chapter)
- President, Association of Surgeons in Jamaica

Dr William Aiken

- Member, National Health Fund Medical Advisory Panel
- Member, Steering Committee of National Institute of Health, New York, USA, U54 project.
- Convener/Secretary, Mona Investment Trust Club
- Consultant, Prostate Cancer Screening Clinic, Jamaica Cancer Society
- Convener, Doctors on Stage for Cancer

Dr Christopher Rose

- Chairman, Educational Committee of the Jamaican Association of Sports Medicine
- Member, Medical Team, Reggae Marathon, Negril, Jamaica

- Annual Volunteer Service to the General Hospital, St Georges, Grenada.
- President, Caribbean Association of Orthopaedic Surgeons

Dr Derek Mitchell

- Chair, Clinic Committee of the Jamaica Cancer Society
- Deputy President, American College of Surgeons (Jamaica Chapter)
- Course Coordinator & Treasurer, Advanced Trauma Life Support, Jamaica
- Consultant, Breast Cancer Screening Clinic, Jamaica Cancer Society

Dr. Rajeev Venugopal

- International Member, American Society of Plastic Surgeons
- Medical Officer, Invitational Athletics Meet
- Volunteer Medical Officer for Rotary Clinic, Grant’s Pen
- Volunteer Physician for Jamaica Football Federation
- Art Director for Mehefil (Indian Cultural Show)

Dr. Hyacinth Harding-Goldson

- Member, Intensive Care Unit/Operating Theatre Committee
- Examiner, Jamaica School of Nurse Anaesthetists
- Participant Caribbean Woman Expo (The Caribbean Events Group)

Dr. Marinna Scarlett

- Chairman, Policies & Procedures Audit Committee, UHWI

Dr. Alan Barnett

- Chairman, Ethics and Constitutional Reform Committee, Medical Association of Jamaica

Dr. Wendy Gardner

- President, Jamaica Anaesthetists' Association

Dr. Dave McGaw

- Treasurer, Caribbean Cardiology Society

Dr. Derria Cornwall

- President, Jamaica Association of Radiologists

Dr Richard Bullock

- Consultant, Caribbean Association of Orthopedic Surgeons
- Consultant, Caribbean Society of Radiologists
- Consultant, Radiological Association of North America (RSNA)

Dr. Jean Williams-Johnson

- Medical Director, Accident & Emergency Unit, UHWI
- Member and Secretary, Management Committee, Caribbean Poison Information Centre
- Member and Secretary Executive Committee, Jamaica Association of Sports Medicine
- Volunteer service as Team Physician to several local sports meetings
- Chairman, Advisory Committee, Accident and Emergency Medicine

Dr. P. Singh

- Deputy Director, Accident & Emergency Unit, UHWI
- President, Jamaica Association of Sports Medicine
- Volunteer service as Team Physician to several local and international sports meetings
- Team Physician to the Jamaica Netball Team

Dr. Rhonda Hutson

- Trainer, Sexual Assault Management, through the Medical Services Branch, Jamaica Constabulary Force.
- Volunteer service as Team Physician to several local and international sports meetings

Dr. Simone French

- Member Jamaica National Resuscitation Council

Dr. Eric Williams

- Volunteer doctor for Jamaica National Children’s Home

Dr. Romaine Edwards

- Vice President, Jamaica Emergency Medicine Association
- Chair, Homecoming Committee Irvine Hall UWI Mona Reunion
- Volunteer service as Physician to several local sports meetings

INFORMATION ON STUDENTS

Undergraduate Programme

MBBS Students by Year:

Year 1	Class of 2015	361
Year 1	Class of 2014	256
Year 2	Class of 2013	163
Year 3	Class of 2012	150
Year 4	Class of 2011	140
Total		1,070

November/December 2010 repeat MBBS Examinations

A total of 22 medical students, including 5 from the Bahamas, sat the November/December 2010 repeat MBBS examinations. The results were: Mona Campus, 14 Passes; and Bahamas, 4 passes

May/June 2011 MBBS Examinations

A total of 107 medical students sat the May/June 2011 MBBS examinations. The results were: 90 passes, 11 honours and 1 distinction. Four failed and one did not attend.

GRADUATE PROGRAMME

During the period under review there were 158 residents in the DM programme in the disciplines indicated below.

General Surgery: 27; Paediatric Surgery: 10; Orthopaedics: 21; Urology: 8; Otorhinolaryngology: 11; Neurosurgery: 10; Cardiothoracic Surgery: 5; Ophthalmology: 14; Emergency Medicine: 18; Radiology: 12; and Anaesthesia & Intensive Care: 22 .

The following students were awarded DM degrees:

Dr. Akil Baker	-	DM General Surgery
Dr. Turkessa Cherrie	-	DM General Surgery
Dr. Kimon Bonadie	-	DM General Surgery
Dr. Hugh Roberts	-	DM General Surgery
Dr. Douglas Jefferson	-	DM General Surgery
Dr. Marissa Seepersaud	-	DM Paediatric Surgery
Dr. Omar Felix	-	DM Orthopaedics
Dr. Celeste Chambers	-	DM Ophthalmology
Dr. Regina Turner	-	DM Emergency Medicine
Dr Shuvra Dasgupta	-	DM Emergency Medicine
Dr. Murphey Osbourne	-	DM Emergency Medicine

Dr. Rajesh Prathigudupu	- DM Emergency Medicine
Dr Natalie Sutherland	- DM Radiology
Dr. Carey Evelyn	- DM Radiology
Dr. Stephen Royes	- DM Anaesthesia & Intensive Care
Dr. Melonie Thomas	- DM Anaesthesia & Intensive Care
Dr. Jessica Glaze	- DM Anaesthesia & Intensive Care

PRIZES AWARDED

Ankita Kulkarni (Mona): Aubrey McFarlane Prize

(Awarded to the student with the best overall performance in Surgery in the May/June Final MBBS Examinations at the Mona Campuses)

Ankita Kulkarni (Mona): Surgery Medal

(Awarded to the student with the best performance in the Surgery paper in the May/June Final MBBS Examinations on all Campuses)

Ankita Kulkarni (Mona): Sir Harry Annamunthodo Prize

(Awarded to the student with the best performance in the Clinical part of the May/June Final MBBS Examination on all Campuses.)

THE UWI SCHOOL OF NURSING, MONA

Joanna Bennett, PhD, BA (Hons) RN, RM – Head of School

SUMMARY OF THE SCHOOL'S PERFROMANCE

The academic year has presented many challenges but has also been a very productive one in many areas. The year commenced with a Departmental retreat which enabled staff to collectively review and agree on the Strategic Plan for 2010-2013. Local, regional and global factors including the shortage of nurses and nursing lecturers; contracting clinical facilities and the increase in the number of nursing students informed strategic thinking about teaching and learning, research and outreach. The strategic



objectives for the year focused on these key areas but also emphasized the need to create a student-centred culture within the School that supports the development of academic excellence.

There were some key accomplishments within the area of teaching and learning. The approval of the PhD in Nursing and the 4-year BSc Nursing programmes (FT/PT) are significant steps forward. Both programmes are to be implemented in 2011/2012. Additionally, the review and revision of the Master's Programmes have commenced and will be completed in the next academic year.

These developments will provide opportunities for nurses in the region to attain the highest level of academic qualification, close to home and improve the School's capacity to recruit and retain academic staff. The emphasis on creating a student-centred culture has resulted in the steady improvement in student satisfaction in both graduate and undergraduate programmes. This trend has been indicated as a factor in the decision taken by several graduates of the BSc.Nursing programme to return to the School to complete graduate programmes.

A significant future challenge is meeting the market demands for nursing education. Existing regulations and legislation concerned with nurse education continues to threaten enrollment in the undergraduate programme. The School of Nursing has developed a good working relationship with the Ministry of Health, The Nursing Council of Jamaica and the Nursing Association of Jamaica and is currently involved in reviewing the Nurses and Midwives Act.

In order to advance the School's reputation as a regional leader in the provision of nursing education, a major objective for the year was staff development. One important achievement in this area was the development of Professional Development Plans for all academic staff in the School. A challenge in this area is attracting and retaining distinguished Nursing academics. Further consideration needs to be given to 'mainstreaming' employment contracts to ensure equity with other disciplines, commensurate with academic preparation and clinical experience.

As a relatively new academic discipline, one of the main areas of focus in the School is building research capacity. A research framework has been developed, which includes research hubs/teams to facilitate the development of a focused programme of research. Two research teams in the School were successful in bids for funding generated through the ongoing research collaboration with the University Ottawa, Canada. In addition, collaborative research projects are being developed with Florida International University to apply for funding from Gates Foundation and with UCLA to bid for a Fogarty International Research Training Award. Other international collaborations include an MOU between the UWI School of Nursing (UWISON), Mona, and the Institute for International Education of Students (IES). This allows a group of overseas students to take credits from courses in the School and provides a Scholarship (Tuition fee of \$12-15K) for a nursing student to study abroad.

The School successfully hosted the Annual Nursing and Midwifery Conference and the 23rd Annual Mary Jane Seivwright Day. The conference entitled "Transforming Nursing Education in the Caribbean", supported by keynote speaker, Dr Pamela Ironside from Indiana University and other international guest speakers, set the tone for

discussion and debate on contemporary developments in nursing education. Delegates were drawn from a range of countries across the region and internationally.

In November 2010, the School was re-designated as a PAHO/WHO Collaborating Centre for Nursing and Midwifery development in the Caribbean. A significant programme of work has been developed and agreed by PAHO. Achievements to date include the development of a training programme in primary mental health care for nurses in rural communities, in collaboration with Believe Open Campus and a training of trainers programme for clinical instructors, in collaboration with the Ministry of Health and Colleges of Nursing in Guyana.

PAPERS PRESENTED

- **Kahwa, E.** “Anticardiolipin Antibodies in Jamaican Women: The relationship to thromboembolic diseases and pregnancy outcomes”. BIT Life Sciences 3rd Annual International Congress of Antibodies 2011, March 23 -25, 2011, Beijing, China.
- **Bennett, J.** “Nursing Leadership: A Caribbean Perspective” Nursing Leadership: The Next Frontier for Quality Healthcare, UWI School of Advanced Nursing (SANE), St Augustine, Trinidad And Tobago, February, 10-11, 2011.
- **Lindo, J.L.M.,** Nevins, D., Aiken, J., Pounall V, Thomas, M., Reid-Baker, C., Ward, E. “Mitigating Workplace Violence in a Jamaican Hospital”. Annual Research Conference of the Faculty of Medical Sciences, Mona Visitors Lodge, UWI, Mona, November, 12-13, 2010.
- **Aiken, J., Lindo, J.L.M.,** Nevins, D., Pounall, V., Thomas, M., Reid-Baker, C., Ward, E. (2010). Lateral violence in nursing: the experience in two urban hospitals in Jamaica. Annual Research Conference of the Faculty of Medical Sciences, Mona Visitors Lodge, UWI, Mona, November, 12-13, 2010.

- Carrington, D., Duncan, J., **Lindo, J.L.M.**, Barton, E.N., Clarke, T., Barrow, G. Figueroa, J.P., Harvey, K. (2010). A baseline assessment of adherence to antiretroviral therapy among persons living with HIV/AIDS in Jamaica. Annual Research Conference of the Faculty of Medical Sciences, Mona Visitors Lodge, UWI, Mona, November, 12-13, 2010.
- **Lindo, J.L.M.**, Holder-Nevins, D., Dover Roberts, D., Dawkins, P., Hepburn Brown, C., Bennett, J. “Improving attitude towards research among graduate students at the UWI School of Nursing”. Annual Nursing and Midwifery Research Conference and 23rd annual Mary Seivwright Day, Transforming Nursing Education in the Caribbean, May 26-27, 2011, UWISON, Mona.
- **Bryan, V.**, Weaver, S., Lindo, J.L.M. (2011). Interpersonal relationship between nursing students and lecturers and its effect on learning outcomes at the UWI School of Nursing. Annual Nursing and Midwifery Research Conference and 23rd annual Mary Seivwright Day. Transforming Nursing Education in the Caribbean, May 26-27, 2011, UWISON, Mona.
- **Bennett. J.** “Nursing Leadership for Quality Healthcare in Jamaica” 57th Annual Conference of Nurse practitioners, Leaders in Nursing: Enhancing professional effectiveness, July 6-8, 2011, Sunset Jamaica Grande Resort & Spa, Ocho Rios.

PUBLICATIONS

- * Greenwood, H.L, Edwards, N., Hoogbruin A., **Kahwa, E.**, Odhiambo, O.N., Buong, J.A. (2011). “A Review of Equity Issues in quantitative studies on health inequalities: the Case of Asthma in Adults.” *BMC Medical Research Methodology*, 11:104 doi: 10.1186/1471-2288.

RESEARCH GRANTS

Ongoing grants

“Longitudinal study of lung functions of in adults with Sickle Cell Disease” Investigators: Dr. Knight-Madden, **Dr. Steve Weaver** and **Antoinette Barton-Gooden** (Funded by Principal’s New Initiative, J\$1.6 million).

“Substance Abuse study in Pregnancy” Principal Investigator **Dr. Joanna Bennett** (Funded by new initiative J\$1.5million)

“Strengthening nurses’ capacity for HIV policy development in Sub-Saharan African and the Caribbean” - University of Ottawa/Great Lakes University of Kisumu/UWISON and is in the final year of a 5 year study. Co-Principal Investigators; Dr Nancy Edwards, **Dr. Eulalia Kahwa** & Dr. Dan Kaseje, (Funded by International Development Research Centre (IDRC), J\$5.1 million)

Seed Grants from ongoing IDRC funded project

The use of physical restraints at the University Hospital of the West Indies: A Pilot study. Barton-Gooden, A, Dawkins, P, & Bennett, J. Total Award: J\$205,415.00 (5 months)

Workplace Stress Among Nursing Faculty in Jamaica. Aiken, J, Dawkins, P, & Rajesh- Balachandar, Binol. Total Award: J\$ 245. 450.00 (5 months)

PUBLIC SERVICE

Dover-Roberts, D.

- Chairman, Advisory Committee at a home for the aged in the
- Member, Richmond Park district, Examination Committee, Nursing Council of Jamaica

Lopez, S.

- Board Member, the Heart Foundation of Jamaica.

Bennett, J.

- Member, Education Committee, Nursing Council of Jamaica
- Member, Ministry of Health, Jamaica, Registered Nurse Education committee
- Chair, External Review Team, BSc Nursing programme at the University of Belize

Undergraduate

Category of Students	New	Returning		Total
	1 st Year	2 nd Year	3 rd Year	
BScN - Mona Campus	95	134	143	372
BScN - Western Jamaica campus	26	17	–	43
BScN -franchised at EXED	60	70	61	191
BScN - franchised at Brown's Town Community College	43	43	35	121
BScN - franchised at Knox Community College	27	23	27	77
Total face to face	251	297	266	814
Cohorts BScN (post RN)	1 2	3 4	5 6	
BScN (post RN) online delivery Cohorts 1-6	6 22	24 60	4 80	
Total Online/Blended				196
Total Number of students				1010

Postgraduate

Category of Students	Full-Time	Part-Time	Total
MScN (Nursing Administration; Nursing Education)	22	8	30
MScN (Family Nurse Practitioner; Mental Health/Psychiatric Nurse Practitioner; Clinical Nurse Specialist-Gerontology Option)	22	37	59
Total Postgraduate Students	44	45	89

Graduation data for 2011

Programme	No. of Students	1 st Class Honours
BScN	139	10
BScN (post RN)	76	8
MScN	31	4 Distinctions

Regional Examination for Nurse Registration (RENr)

147 BScN graduates took RENr in October, 2011, (9) students are repeating. (Awaiting results)

STUDENT ACHIEVEMENTS

Faculty of Medical Sciences Dean's List: 3 students

Faculty of Medical Sciences Honor Society: 3 students

Outstanding Graduates: 2 students

SCHOLARSHIPS AND BURSARIES

The following students were recipients of bursaries in 2010-11:

UHWI Canadian Nurses' Association Bursary - **Dana Bradshaw**
Jody-Ann Davis

Syringa Marshall-Burnett Bursary - **Stephanie O'mally**

Mildrend Marshall Bursary - **Cavelle Walters**

IGL Scholarships - **Trace-Ann Gooden**

Washington., DC (UWIAA-DC) - **Kayandri Williams**
Chapter-Nursing Scholarship **Kerine Douglas**
Natalie Solomon
Shannakay Balckwood

FACULTY OF PURE AND APPLIED SCIENCES

MONA

Year ending July 31, 2011



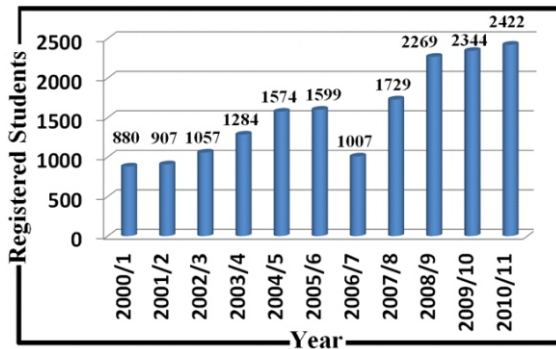
**Professor Ishenkumba Kahwa, BSc, MSc *Dar*,
PhD *Louisiana State* – Dean**

Overview

Preparation of the distinctive UWI graduate – initiatives, notable achievements

Student Enrolment and Access to Faculty Programmes

The number of students enrolled in our Faculty has steadily grown over the last decade as shown below.



Departments continued to be innovative and flexible in dealing with the large student numbers by adding extra class and laboratory streams, including weekend and evening classes, and adding equipment to improve throughput in laboratory sessions. The Faculty has recognized this healthy growth in student numbers and is working on mechanisms for taking in up to twice the current intake.

Initiatives for enhancing the learning experience for 2010-11

Curriculum Reform

The Faculty has undertaken a collective curriculum reform process across all its Departments for about three years. This was done very carefully to ensure that the respective disciplines had the opportunity to establish standards and benchmarks for their content coverage, instructional time allocations, laboratory skills development and other teaching and learning activities. All Departments were ready with reforms at level 1 in 2010/11; some even started teaching in 2010/11 under new curricula. This process will continue with reforms of advanced level programmes in 2011/12. The fundamental goals of the curriculum reform are to modernize the Faculty's programme offerings, engage greater use of instructional and learning technologies, promote programme diversity and flexibility, enhance the depth of majors and improve throughput, especially at level 1. Most courses in the Faculty will henceforth (normally) be of three credits each; this should facilitate students to take courses outside the Faculty and those from other faculties to readily access our courses. It is hoped that these reforms will result in demand lead programme offerings with a useful degree of customization to suit diverse career aspirations. Also, the six credit level 1 courses are a burden to students. These have been split into two three credit-self-contained modules so that weaknesses in a section does not result in failure to meet requirements of a large collection of materials packed in a six credit course. Failure at Level 1 in the Faculty is usually an alarming 40-60%.

New Programmes and Courses:

- (i) **Mathematics:** To deal with the poor performance at level 1, the Departments of Mathematics developed two new courses, one specially designed for chemistry and another for physics students. The Department also developed a level 1 statistics course to improve the quality of data processing and utility in the Faculty as well as four others for the mathematics majors.
- (ii) **Engineering:** Development of advanced level courses of the new Electronics Engineering programme was completed. The programme is run out of the Department of Physics.

- (iii) **Life Sciences:** The Department of Life Sciences now offers a new BSc in Environmental Biology, a revised BSc in Tropical Horticulture, four majors (Animal Biology, Applied Plant Sciences, Marine Biology and Terrestrial and Freshwater Ecosystems) and minors in Human Biology, Conservation Biology and Plant Sciences.
- (iv) **Computing:** The Department began to implement its plan to expand the curriculum into the five areas of computing (Computer Science, Information Technology, Information Systems, Computer Engineering and Software Engineering) by adding the BSc in Information Technology to its programme offerings.

Mechanisms for Enhancing Learning:

- (i) **Learning and teaching technologies:** The Department of Mathematics secured mathematical software for use in the students' computer lab such as Maple, LaTeX and "R". The Department of Life Sciences installed new laminar flow hoods, autoclaves, microscopes and other equipment to support the increasing number of students choosing Molecular Biology, Virology, Immunology and Parasitology courses. There were teaching/learning space expansion and improvements as well.
- (ii) **Tutorial and Peer-Led Learning:** Opportunities for reflective learning such as tutorials given by peers or required by the department can be rewarding. The Department of Life Sciences has seen marked improvements in performance of level 1 students from poor pass rates 52/65 in 2009/10 to 80/81% for 2010/11. This following implementation of compulsory tutorial attendance with graded tutorial exercises that contribute to final course grade. Extension of these strategies to advanced levels will be attempted in 2011/12. The peer-led learning and book loan programmes in the Department of Chemistry as well as the Bridging Mathematics programme also continued to be helpful in learning.
- (iii) **International Student exchange, internships and placements:** International exchange activities continued with the University of Gothenburg, Sweden; four chemistry

academics exchanged visits (two each direction), three undergraduate from Sweden visited Mona and two Mona graduate students spent a semester at the University of Gothenburg. The Department of Computing, in response to a recommendation from the Quality Assurance review of 2009, designed a new course, *Internship in Computing* and set up an in house Software Development Unit to facilitate internships. Professional certification courses were also introduced, a Cisco Networking Academy was established and two cohorts have completed the first two modules of the four on Cisco's CCNA programme. A software modelling workshop, led by Professor Robert France of Colorado State University, was implemented in collaboration with the University of Technology.

- (iv) **Student 'professional' societies:** Departments continued to pay special attention to involvement of students in professional societies and similar opportunities for learning. The slate of Physics students getting First Class Honours was made up largely of members of the Physics Honour Society. Two of them were honoured for their outstanding academic performance at the Prime Minister's Youth Awards. The Geography and Geology Department continued its tradition of involving students in professional and scholarly activities. The Chemical Society (a student organization) was very much involved in preparations and implementation of activities observing the International Year of Chemistry (including production of a magazine). The Actuarial Student Society is involved in grooming students for careers as actuaries with support from senior persons in the profession.

Improvements in Graduate Studies; notable accomplishments of graduates

New Programmes: Enrollment in the new MSc programme being offered jointly with the Faculty of Social Sciences, '**Entrepreneurship in Agriculture**' stood at 11 for 2010/11. Development of the MSc in **Food and Agro-Processing Technology** was completed with extensive input from the local industry and well established academic food science institutions around the world. The final version of the programme reflects major efforts by the Department of Chemistry, which already offers a BSc

programme in Food Chemistry and significant contribution from the Department of Life Science, which has an internationally competitive capacity in post-harvest technologies. Professor Ralph Robinson (Life Sciences) led the development of the **Research Ethics (ETHI6010) course**, which soon after approval, enrolled 11 MPhil and PhD students from several departments in the Faculty.

Graduate Achievements: A number of our graduate students received awards or commendations:

Mr. Donovan Campbell (Department of Geography and Geology) was one of three international postgraduate students to receive an award for their doctoral research at the Third International Conference on ‘Climate Change: Impacts and Responses’, in Rio de Janeiro, Brazil in July 2011. His research was also featured on the NASA on-line publication ‘Sensing Our Planet: NASA Earth Science Research Features’.

At the Scientific Research Council’s Innovations in Science and Technology Competition for the year 2010, the Institute of Natural Products swept all the major prizes in the competition. The Institute won First prize in the Manufacturing, Food and Agriculture Category, and First prize as the Overall Winner of the Competition went to **Dr. Trevor Yee, Ms. Charah Watson and Ms. Nemoi Chisholm** project, “A study of Two Invasive Citrus pests in Jamaica, *Heraclidesandraemon* and *Papiliodemoleus* and the Development of Control Measures against them.” In addition **Mrs. Simone Badal-McCreath**, PhD candidate supervised by Dr. Rupika Delgoda of the Institute of Natural Products won the Young Scientist of the Year Award. The title of her presentation was, “Uncovering the Anticancer Efficacies of Jamaican Natural Products”.

Mr. David Picking, MPhil student also supervised by Dr. Rupika Delgoda, was awarded the best student presentation at the 56th Annual Caribbean Health Research Council (CHRC) in Georgetown, Guyana, in April 2011. His oral presentation was entitled. “The prevalence of herbal medicine home use and concomitant use with pharmaceutical medicines in Jamaica”.

Improving research/ innovation output, notable achievements, distinctive research output

The Faculty continued its focus on internationally competitive research.

Research/Innovation Output

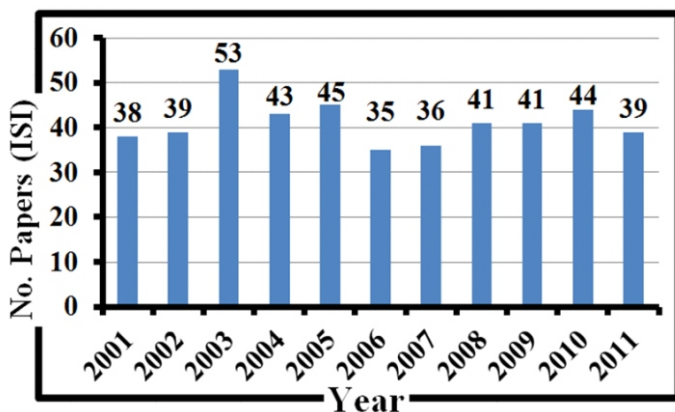
The 2010/11 publication profile for the Faculty is shown in the Table below. It shows that there was no significant increase in total publications over 2009/10. However, there were greater interactions with the international community via conference presentations and the Department of Geography and Geology recorded a significant increase (to 24) in refereed papers over 2009/10 (from 15).

Department/ Centre/ Institute/ Unit	Number of Items									
	Refereed Articles/ Chapters		Patents		Non Refereed materials		Conference Presentations		Books & Edited Works	
	2010/ 11	2009/ 10	2010/ 11	2009/ 10	2010/ 11	2009/ 10	2010/ 11	2009/ 10	2010/ 11	2009/ 10
Biotechnology	11	9	–	–	–	–	11	6	–	–
Chemistry	21	22	–	–	3	3	19	–	1	1
Computing	8	19	–	–	–	–	19	8	1	2
Electron Microscopy	2	2	–	–	1	5	–	–	–	–
Geography / Geology	24	17	–	–	3	1	33	18	3	4
Life Sciences	15	20	–	1	6	8	21	9	9	2
Mathematics	15	15	–	–	–	–	4	4	2	2
Natural Products Institute	4	–	–	–	–	–	14	–	–	–
Physics	11	6	–	–	2	–	7	9	–	–
Total	111	110	0	1	15	17	128	54	16	11

While the number of refereed papers is reasonable the number of papers making it into the highly respected Thomson Reuters ISI data base (Web of Knowledge) is disappointingly small and almost stagnant (see figure below). It is important to grow the number of our publications in

international data bases. Our international reputation and impact as well as strategic position as the leading and dominant research institution in the region depend on achieving a significant presence on the international front. The 2010 UNESCO World Science Report (http://publishing.unesco.org/sommaire.aspx?Code_Livre=4770) indicates that 71% of publications cited by the Web of Knowledge and coming from the CARICOM area originate from the UWI. This scholastic leadership position must be consolidated in view of other institutions strengthening their work.

Furthermore, the asymmetry in the distribution of the Faculty's papers in the Web of Knowledge data based need to be addressed. About 54% of papers in the data base for 2001 to 2011 originate from the Department of Chemistry. Efforts to raise the contribution of other disciplines will be a focus for the coming years.



Notable Research Achievements

In March 2011, **Dr. Marcia Roye** received the prestigious 2010-2011 L’Oreal-UNESCO Advanced Fellowship “in the footsteps of Marie Curie” for Women in Science. Dr. Roye’s award was presented in Paris France where she travelled to attend the ceremony. The award was the first of its kind, having recently been initiated by L’Oreal-UNESCO to mark the centennial of Marie Curie’s Nobel Prize in Chemistry.

Support for Governments, the Regions and international community:

The Faculty continued to be a source of expert service for government and the private sector. Matters consulted on include, water quality and impact on ecology, threat of invasive butterfly species on the citrus industry, climate change and adaptation, energy technologies and exploration, provision of coast re-vegetation seedlings from the Port Royal Marine Labs, services of a Hyperbaric (Recompression) Chamber at the Discovery Bay Marine Laboratory for divers across the island, tracking and finding solutions to marine invasive species (especially the Lion Fish), laboratory testing for some national sports programmes and agro-product chemical profiles, earthquake activity tracking, plant disease and antiretroviral drug resistance patterns. The Cardiac Surgery Simulator, continued to be in demand as major Universities and hospitals in the USA as well as the University Hospital of the West Indies. It got good outcomes in training trials.

Service to the wider community, including the Open Campus community; notable achievements

A number of Departments are involved in consultancy work and outreach activities that promote and enhance UWT's impact. Several departments ran workshops to enhance the understanding of important concepts and the competitiveness of sixth formers for entry into University programmes.

The Department of Mathematics again organized a very successful Mathematics Olympiad competition that saw Jamaica again send a team to the regional competition in Mexico. This year the Mathematical Olympiad was sponsored by Sterling Asset Management Limited, University of the West Indies, Mona and several other companies. In 2011, the department added the Vivian Rochester Junior Mathematical Olympiad, which was sponsored by University of the West Indies and Insurance Association of Jamaica (IAJ).

Addressing the funding constraints

The Faculty and allied entities topped the UWI Mona faculties in the amount of external funding raised (J\$187 million or J\$259 million when adjusted to include a government grant to ICENS). Funds from sources other than UWI Mona have grown by about 39% over 2009/10. Like in 2009/10, the Department of Life Sciences has been most successful in securing external grant funding. Details are available in the individual Departmental reports, which follow.

The Bursary-provided data on external grants do not include all funds raised from summer school, consultancies and other Departmental activities. Thus, the Faculty is playing its part in covering for shortfalls in government funding but there is room for the Faculty to achieve more. In order to be more effective in grant-fund raising the Faculty, with support from the Campus, has setup a Resource Mobilization Unit to facilitate staff members with developing their research ideas into fundable research projects. A coordinator for the Unit was appointed and data is being gathered to inform a future Campus-wide initiative.

DEPARTMENT OF CHEMISTRY

Professor Helen Jacobs, BSc, PhD, UWI
– **Head of Department (acting)**

OVERVIEW

The department continues to work towards strengthening and advancing core teaching and research functions and keeping pace with changing pedagogical styles. In this past year the framework of a reformed curriculum was formulated and approved and the peer-led team learning programme for introductory level students and the textbook rental scheme were continued. There were seventy-two BSc graduates in Chemistry, three of whom received first class honours, and thirteen received upper second class honours. Research output was a respectable 20 publications and 18 conference presentations, while eleven students completed the requirements for higher degrees.



Activities within the department included a vibrant seminar programme, continuation of the CAPE workshops for secondary school students and exchange visits from overseas faculty and students. The department also houses the well-subscribed Occupational and Environmental Safety and Health (OESH) programme. Our faculty members continue to perform important roles in the local and wider scientific community: judging science competitions, leadership and membership of technical committees, journal editorship and refereeing functions.

HIGHLIGHTS OF MAJOR ACTIVITIES

Better Process Control School

The ninth biennial Better Process Control School (BPCS) was delivered in the Department January 3-7, 2011. The BPCS is an FDA-approved

certification course offered to members of the food industry and regulatory agencies locally and in the wider Caribbean. It is a requirement for processors of low acid and acidified canned foods, especially if these products are to be exported to the USA. The UWI BPCS is coordinated by Dr. Donna Minott-Kates and is the only BPCS operated by a non-US institution.

The Occupational and Environmental, Safety and Health (OESH) Programme

There were twenty-three students in the MSc OESH in Sept. 2010 and, of these, nineteen were new students. Fifteen students graduated from the programme in November 2010. At the BSc level seven students were registered in advanced OESH courses. The following five short courses were run.

- Essential of Occupational Safety and Health (EOSH), 30 hours, four cohorts
- Hazardous Material Management
- Job Safety Analysis
- Hazardous Waste Operations and Emergency Management (HAZWOPER)

International Year of Chemistry (IYC) 2011

The year 2011 has been declared the International year of Chemistry by the UNESCO and the International Union of Pure and Applied Chemistry (IUPAC). Research Day, January 27-28 was used as a soft launch of IYC 2011. The Department will, solely and in partnership with private and public sector entities, mount and participate in a series of events and activities.

Book Launch

A book launch was held on December 1, 2010 for the book entitled The Department of Chemistry, UWI, Mona with Emphasis on the Early Years,

authored by Emeritus Professor Kenneth Magnus and Professor Robert Lancashire.

NEPA Visible Emissions Training

The Department hosted a Visible Emissions training course (Smoke School) put on by NEPA January 25th to 27th, 2011. Approximately sixty (60) persons participated in the course. A second such course was also run in July with about the same number of participants.

OUTREACH ACTIVITIES

CAPE Workshop

The annual workshop on spectroscopy and chromatography for students sitting the Caribbean Advanced Proficiency Examinations (CAPE) in Chemistry was held between January 17 and 21. There was a 23% increase in the number of participants compared to last year. A total of 939 students and 43 teachers from 41 secondary institutions across the island participated. As in previous years, this workshop was coordinated by Dr. Novelette Sadler-McKnight.

BEd (Distance) Project and BEd/Open Campus Programme

The Department accommodated four students from the Open Campus programmes for laboratory sessions during the summer. This is the final cohort of students in the BEd online programme

THE CHEMICAL SOCIETY

The Executive Body of the UWI, Mona Chemical Society, which is comprised of graduate students, spearheaded the publication of a magazine "*The Chemist*" which was launched on the 31st March 2011. The magazine contains news, profiles, articles, commentary, jokes, photographs and quizzes, arranged in an attractive format.

STUDENT ENROLMENT

Intake to the introductory level courses remained at the elevated levels of the previous two years, while the numbers of students reading the preliminary and advanced courses in Chemistry were essentially unchanged. Four new graduate students joined the Department.

Table 1: Numbers of students reading courses in chemistry, 2007-2010

Level	2007-2008 Sem 1/Sem 2	2008-2009 Sem 1/Sem 2	2009-2010 Sem 1/Sem 2	2010-2011 Sem 1/Sem 2
Preliminary	189	205/180	129/128	134/116
Introductory	377/363	491/440	532/465	537/458
Advanced	241/240	230/204	271/249	288/268
Postgraduates	64 (32 F/T; 32 P/T)	59 (31 F/T; 28 P/T)	45 (24 F/T; 21 P/T)	50 (32 F/T; 18 P/T)

Book Loan Scheme

The Department continues to operate its book loan scheme for undergraduate students. Demand for textbooks for the introductory courses is still highest, followed by those for the preliminary courses.

Faculty Awards

Drs. Marvadeen Singh-Wilmot and **Camille Bowen-Forbes** were recognized for outstanding achievements at the Faculty Awards Ceremony.

Departmental Awards and Prizes

Seven undergraduate students received awards, ranging from \$10,000 to \$60,000, for their academic performance in Chemistry. They are **Mario Christie** (Cedric Hassall), **Ruel Campbell** (Garfield Sadler), **Assanie Benjamin** (Wilfred Chan), **Keisean Stevenson** (Leonard J. Haynes),

Leaford Henderson (Chemistry Department), **Junior Samuel** (Pavelich/Honkan) and **Sherdon Sterling** (Bertram Fraser-Reid).

Postgraduates

Five postgraduate students successfully defended their theses and were awarded the PhD degree. Another six students completed and were awarded their MPhil degrees. Names of the students who completed higher degrees in Chemistry in 2010-2011, and those of their supervisors are listed in the following table.

Table 2: Higher degrees in Chemistry awarded in 2011

Degree completed	Name	Supervisor
PhD	Ainka Brown	Dr. S. Jarrett
	Tanneika Dawkins	Prof. I Kahwa
	Mark Lawrence	Dr. P. Maragh/ Prof. T. Dasgupta
	Raymond Reid	Prof. T. Dasgupta
	Mark Richards	Dr. W. Pinnock
MPhil	Dwyte Bremmer	Dr. D. Minott-Kates
	Alicia Bucknor	Dr. M. Coley / Dr. A Greenaway
	Khadeen Henry	Dr. M. Coley / Dr. A. Greenaway
	Roxanne Higgins	Prof. Y. Jackson
	Rashidah Khan	Dr. W. Pinnock
	Nadya-Kaye Phillips	Prof. P. Reese

Staff-Student Exchange programme

Dr. Anthony Greenaway and **Prof. Robert Lancashire** visited the University of Gothenburg in Sweden as part of the programme of staff-student exchange funded by the Linnaeus-Palme Foundation. Two of Dr. Greenaway's graduate students, Jheanell James and Nijole Young, spent semester 2 at the University of Gothenburg under the aegis of this exchange programme. Visiting our department from Gothenburg were

Prof. Leif Anderson, Prof. Per-Ola Norrby and three undergraduates, Jens Andersson, Carl-Johan Nolmark and Ivana Uzelac. Prof. Anderson, a marine chemist, participated in field trips (including DMBL) and explored possibilities for research collaboration and support for instrumentation in undergraduate analytical chemistry labs. Prof. Norrby, whose areas of interest are organic, inorganic and computational chemistry, delivered an intensive short course “Molecular Modeling for Experimental Chemists” and nine lectures on catalysis in the graduate course, CHEM6101 – Advanced Inorganic Chemistry. This programme is coordinated by **Prof. Ake Nilsson** (Gothenburg) and **Dr. Novelette Sadler-McKnight** (UWI).

SEMINARS

Under the leadership of the new Seminar Coordinator, Dr. Marvadeen Singh-Wilmot, members of the department enjoyed an active seminar programme. Twenty-three seminars spanning a wide range of topics were delivered by visitors, faculty and postgraduates; these are listed below.

Table 3: Seminars delivered in the Department of Chemistry, 2010-2011

Seminars delivered by Visitors to the Department and Faculty		
Date	Name, Title, Affiliation	Title of Seminar
9/9/10	Mr. Keith Gardner, Director of Campus Security, UWI, Mona	“Security at UWI”
16/9/10	Prof. Ishenkumba Kahwa, Dean FPAS, UWI, Mona	“Translational Research: A UWI Chemist’s Perspective”
23/9/10	Mr. James Moss-Solomon, Retired Grace Kennedy Executive	“Transformation”
7/10/10	Dr. Dwight Collins, Cofounder/ Director of Jamaica Scientific Research Institute (JSRI)	“An Approach to Drug Discovery in Jamaica – Potential High Rewards with Mitigated Costs and Risks. The Journey has Begun ...”
14/10/10	Dr. Julie-Ann Grant, Resource Mobilization Coordinator, FPAS, UWI	“Funding Opportunities for Research, Capacity Building and Training”
21/10/10	Mr. Mark Hoffman, Director of Sales, MeasureNet Inc.	“MeasureNet: The New Element for your Lab”
25/11/10	Dr. Petrea Facey, Alexander von Humboldt Fellow, Research Fellow, Department of Chemistry	“Scholarships and Research Opportunities – Warum nicht Deutschland?”

2/12/10	Dr Peter Ruddock, Branch Manager, Tanaud International BV, UWI, Mona	“Chemistry at the Speed of Light: The Use of Microwaves in Chemical Syntheses”
20/1/11	Dr. Stacey-Ann Morgan, University of Toronto	“Design and Characterization of Genetically Encoded Photoswitchable DNA Binding Proteins”
24/2/11	Prof. Leif Anderson, Visiting Professor, University of Gothenburg, Sweden	“Biogeochemical Processes Impacting the Marine C-system”
3/3/11	Prof. Per-Ola Norrby, Visiting Professor, University of Gothenburg, Sweden	“18e R.I.P”
24/3/11	Dr. Andre Jones, Chemist and Research Scientist, Founder and CEO of Yono Corporation	“Chemistry - Our Lives, Our Future: Yono Corporation in Jamaica”
7/4/11	Dr. Paul Aiken, Senior Engineer and Head, Electronics Unit, UWI, Mona	“Navigating Through Your Chosen Career”
21/4/11	Dr. Kelling Donald, Associate Professor of Chemistry, University of Richmond, Richmond, VA	“Halogen Bonding - A Case where Inorganic Outperforms Organic and other Stories”
28/4/11	Dr. Martin Moncrieffe, Department of Biochemistry, University of Cambridge, UK	“Engineering Antibiotic Resistance: The Structure of a Glycosyltransferase Involved in Erythromycin Biosynthesis”
1/7/11	Dr. Tashni-Ann Dubroy, Assistant Professor of Chemistry, Shaw University, Raleigh, NC	“Substituent Effects on Exchange Coupling: Controlling the Interactions between Unpaired Electrons”
20/7/11	Prof. Isaiah Warner, Vice Chancellor, Strategic Initiatives, Louisiana State University, Baton Rouge, LA	“Nano GUMBOS - A New Breed of Nano Materials”
Seminars delivered by Graduate Students		
28/10/10	Mr. Raymond Reid, PhD candidate	“The Fate of Five Selected Pesticides in a Tropical Environment”
11/11/10	Mr. Paul Clare, MPhil candidate	“Chemical and Biological Transformation of Stemodane Terpenes”
18/11/10	Ms Nadya-Kaye Phillips, MPhil candidate	“Microbial Transformation Reactions of Steroids and Sesquiterpenes”
10/2/11	Mrs. Francine Taylor-Campbell, PhD candidate	“Nutrient Assimilation Capacity of the Black River Upper Morass: PREWET Model Application”
17/2/11	Ms. Safiyah Dundee, MPhil candidate	“Hypoglycin: Partitioning in Canned Ackee and Relationship with Seed Size”
12/5/11	Mr. Dwyte Bremmer, MPhil candidate	“Polycyclic Aromatic Hydrocarbons in Jamaican Jerked Meats”

PAPERS PRESENTED

- **R. Lancashire**, “Data Standards within IUPAC and the role of CPEP”. 22nd CODATA CONFERENCE, Cape Town, South Africa, October 24-27 2010.
- C. Samuels, **R. Lancashire**, “The role of C@ribNET in the preservation of and access to scientific and technical data in developing countries”. 22nd CODATA CONFERENCE, Cape Town, South Africa, October 24-27 2010
- **R. Lancashire**, “2011 – The International Year of Chemistry (IYC 2011) and some early “Jamaica” Chemists”. The Caribbean Academy of Sciences, 17th General Meeting and Conference, St. John’s, Antigua, November 12-14, 2010
- **M. A. Bakir**, O. Green, C. Gyles and O. Brown, “Rhenium and manganese compounds of di-2-pyridyl ketone hydrazones”. (Poster) 242nd American Chemical Society National Meeting & Exposition, Denver, CO, USA, August 28 – September 1, 2011.
- P. C. Peart, A. C. Chen and **P. B. Reese**, “Use of immobilized filamentous fungi in the generation of steroid libraries”. (Oral presentation) 241st American Chemical Society National Meeting & Exposition, Anaheim, CA, USA, March 27-31, 2011.
- D. K. Fearon and **P. B. Reese**, “Natural product isolation from some marine-derived fungi”. (Poster) 240th American Chemical Society National Meeting, Boston, MA, USA, August 22-26, 2010.
- D. N. Haase, S-A. Parker, **H. Jacobs**, S. Badal, S. Francis, R. Delgoda, G. Huang and T-R. J. Tzeng, “Potential chemopreventive xanthenes and a new polyisoprenylated benzophenone derivative from *Garcinia bumilis*”. (Poster) 242nd American Chemical Society National Meeting & Exposition, Denver, CO, USA, August 28 – September 1, 2011.
- **K. P. McCook-Russell**, P. C. Facey, M. G. Nair, and **C. S. Bowen-Forbes**, The exotic strawberry guavas - A great potential

for commercialization (Poster). Denbigh Agricultural Show, Clarendon, Jamaica, July 30 – Aug. 1, 2011.

- **C. S. Bowen-Forbes**, “Nutraceutical and Nutritional Studies on Exotic Jamaican Foods”. Inventors, Researchers and Entrepreneurs (IRAE) Exhibition and Convention Manchester, Jamaica (April 2011).
- O. Barrett, N. Downer-Riley and **Y. Jackson**, “Cyclization of *o*-Methoxythiobenzanilides: Synthesis of benzobisthiazoles, benzobisoxazoles and thiazolobenzoxazoles”, Florida Heterocyclic and Synthetic Conference, University of Florida, Gainesville, March 2011.
- N. Stephenson, **N. Sadler-McKnight**, “Implementation of the Science Writing Heuristic: The Challenges, Successes, and Lessons Learned”, 21st Biennial Conference on Chemical Education (BCCE), University of North Texas, Denton, Texas, August 1-5, 2010.
- J. Samuels, **N. Sadler-McKnight**, S. Olsson, G. Göransson, “Synthesis and Redox Properties of Molybdenum complexes and their use as potential models for molybdoenzymes”. University of Technology Inaugural Scientific Conference, June 8-9, 2011, Kingston, Jamaica.
- N. Lee-Platt, **N. Sadler-McKnight** and M. Rainford. “Identifying Socio-cultural Barriers and Borders to Primary Science Teaching in Jamaica: Implications for Cultural Perspective in Science Education”. Biennial Conference on Education, June 15-17, Sunset Jamaica Grande, Ocho Rios Jamaica
- J. Samuels, **N. Sadler-McKnight**, S. Olsson and G. Göransson, “An Insight into the Molecular Mechanisms of Molybdoenzymes using Molybdenum (V) Complexes and different Substrates as Model Systems”, 43rd IUPAC World Chemistry Congress, July 31 – August 5, 2011, Puerto Rico

- **M. A. Singh-Wilmot**, “Novel Materials from Lanthanide(III) Nanoclusters” TWAS 21st Annual General Meeting, Hyderabad, India, October 2010.
- R. Sinclair, **M. A. Singh-Wilmot**, C. Rowland and C. Cahill, “Nonanuclear Ln(II) Nanoclusters: Synthesis, Structures and Luminescence” Poster, 5th IUPAC-Sponsored International Symposium on Macro- and Supramolecular Architectures and Materials (MAM-10), Ocho Rios, Jamaica, August 16-21, 2010.
- S. Gilbert, **M. A. Singh-Wilmot**, C. Rowland and C. Cahill, “Lanthanide (III) Polymers and Framework Materials of 1,3,5-Tris(4-carboxyphenylbenzene)” Poster, 5th IUPAC-Sponsored International Symposium on Macro- and Supramolecular Architectures and Materials (MAM-10), Ocho Rios, Jamaica, August 16-21, 2010.
- Z. Min, **M. A. Singh-Wilmot**, C. Cahill and I. Kavalero, “Novel Transition Metal and Lanthanide (III) Materials Derived from Dicarboxylic Acids” Poster, 5th IUPAC-Sponsored International Symposium on Macro- and Supramolecular Architectures and Materials (MAM-10), Ocho Rios, Jamaica, August 16-21, 2010.
- **M. A. Singh-Wilmot** “Better Application of Science Diplomacy”, Workshop on US and International Perspectives on Global Science Policy and Science Diplomacy, February 25-26, 2011, Washington D. C.

PUBLICATIONS

Refereed Journal Articles

- * **M. Bakir** and O. Green, “Rhenium tricarbonyl chloro of di-2-pyridylketone 4-aminobenzoyl hydrazone (dpk4abh), fac-[Re(CO)₃(k²-N,N-dpk4abh)Cl]: synthesis, spectroscopic and electrochemical properties”. *J. Mol. Struct.* 2011, 996(1-3), 24.

- * **M. Bakir** and C. Gyles, “Synthesis and physicochemical properties of fac-[Re(CO)₃(k²-N,N-dpkfah)Cl], dpkfah = di-2-pyridyl ketone 2-furoic acid hydrazone: the molecular structure of fac-[Re(CO)₃(k²-N,N-dpkfah)Cl]·acetone”. *J. Coord. Chem.* 2011, 64(10), 1743-1757.
- * **C. S. Bowen-Forbes**, Y. Zhang and M. G. Nair, “Anthocyanin content, antioxidant, anti-inflammatory and anticancer properties of blackberry and raspberry fruits”. *J. Food Compos. Anal.* 2010, 23(6), 554-560.
- * N. A. S. White, **H. A. Ellis**, P. N. Nelson and **P. T. Maragh**, “Thermal and odd-even behavior in a homologous series of lithium *n*-alkanoates”. *J. Chem. Thermodyn.* 2011, 43(4), 584-590.
- * P. N. Nelson, **H. A. Ellis** and R. A. Taylor, “Odd-even alternation in a homologous series of Zn(II) *n*-alkanoates”. *J. Mol. Struct.* 2011, 986(1-3), 10-15.
- * B. Vouffo, E. Dongo, **P. Facey**, A. Thorn, G. Sheldrick, A. Maier, H. H. Fiebig and H. Laatsch, “Antiarol cinnamate and africanoside, a cinnamoyl triterpene and a hydroperoxy-cardenolide from the stem bark of *Antiaris africana*”. *Planta Med.* 2010, 76(15), 1717-1723.
- * M. N. Thompson, **W. A. Gallimore**, M. M. Townsend, N. A. Chambers and L. A. D. Williams, “Bioactivity of amphitoxin, the major constituent of the Jamaican sponge *Amphimedon compressa*”. *Chem. Biodivers.* 2010, 7(8), 1904-1910.
- * **N. K. Downer-Riley** and **Y. A. Jackson**, Highlight Syntheses. *Annu. Rep. Prog. Chem., Sect. B: Org. Chem.* 2011, 107, 157-181.
- * A. L. C. Morris and **Y. A. Jackson**, “Synthesis of chromeno [3,4-b]quinolines: electrophilic aromatic substitution under Heck conditions” *Synthesis* 2011, (2) 229-234.
- * S. Badal , S.A. Williams, G. Huang , S. Francis , P. Vendantam , O. Dunbar , **H. Jacobs** , T.J. Tzeng, J. Gangemi and R.

- Delgoda, "Cytochrome P450 1 enzyme inhibition and anticancer potential of chromene amides from *Amyris plumieri*". *Fitoterapia* 2011, 82, 230-236.
- * **I. A. Kahwa**, "Self-assembling nanoclusters based on tetrahalometallate anions: electronic and mechanical behavior" *Advanced Nanomaterials* 2010, 1, 365-378.
 - * **P. T. Maragh**, "*Mechanisms in Solution*," Annu. Rep. Prog. Chem., Sect. A: Inorganic Chemistry, 2011, 107, 379-398.
 - * **M. A. W. Lawrence**, S. E. Thomas, **P. T. Maragh** and **T. P. Dasgupta**, "Mechanistic studies on the intramolecular electron transfer in an adduct species of the oxo-centred trinuclear iron(III) cation and L-ascorbic acid in aqueous solution". *Transition Met. Chem.* 2011, 36(5), 553-563.
 - * **C. S. Bowen-Forbes** and **D. A. Minott**, "Tracking hypoglycins A and B over different maturity stages: implications for detoxification of ackee (*Blighia sapida* K. D. Koenig) fruits". *J. Agric. Food Chem.* 2011, 58(8), 3869-3875.
 - * P. F. Tennant, S. E. Pinnock, M. Powell, A. O. Wheatley and **D. A. Minott**. "An overview of the safety assessment of transgenic papaya for the management of *Papaya Ringspot Virus* in Jamaica. *Transgenic Plant Journal* 2010, 4(SI1), 29-36.
 - * **W. Mulder**, "Reply to comment on on the theory of electrostatic interactions in suspensions of charged colloids". *Soil Sci. Soc. Am. J.* 2010, 74(5), 1846.
 - * **W. H. Mulder**, "Probability distributions of ancestries and genealogical distances on stochastically generated rooted binary trees". *J. Theor. Biol.* 2011, 280, 139-145.
 - * G-A. O. Junor, **R. B. R. Porter** and T. H. Yee, "Chemical composition of essential oils from the aerial parts of Jamaican *Bursera lunanii* Spreng". *J. Essent. Oil Res.* 2010, 22(6), 602-605.

- * M. J. McNeil, **R. B. R. Porter**, L. A. D. Williams and L. Rainford, “Chemical composition and antimicrobial activity of the essential oils from *Cleome spinosa*”. *Natural Product Communications* 2010, 5(8), 1301-1306.
- * P. C. Peart, K. P. McCook, F. A. Russell, W. F. Reynolds and **P. B. Reese**, “Hydroxylation of steroids by *Fusarium oxysporum*, *Exophiala jeanselmei* and *Ceratocystis paradoxa*” *Steroids* 2011, 76(12), 1317-1330.

Book

- * A. A. Holder, L. C. Lewis-Alleyne, D. Van Derveer and M. Singh-Wilmot. *Dipicolinic Acid, its Analogues and Derivatives: Aspects of their Coordination Chemistry*; Nova Publishers: 2011.

INCOME GENERATION & RESEARCH GRANTS

Dr. C. S. Bowen-Forbes - Renewal of UWI Research Fellowship for period September 2010 – August 2011. Project Title “*Study on the Phytochemical and Nutraceutical Potential of Rubus ellipticus Fruits(Cheeseberry)*”. Researcher: Dr. Kayanne McCook-Russell.

Dr. R. Porter - Renewal of UWI Research Fellowship for period September 2010 – August 2011. Project Title “*Investigations of Endophytic Marine Fungi Associated with Jamaican Mangroves for Novel and Bioactive Compounds*” Researcher: Dr. Petrea Facey.

Dr. N. Sadler-McKnight – SEK 160,000 (**J\$1.6 M**) from the Linnaeus-Palme Foundation to support staff/student exchange programme.

Dr. M. Singh-Wilmot – US\$7,000 from the Third World Academy of Science (TWAS).

Summer School – **J\$8.9 M**

Consultation Fees and rental of facilities – **J\$5.4 M**

PUBLIC SERVICE

Prof. M. Bakir

- Referee to the Journals: *Coordination Chemistry, Inorganic Chemical Communications, Talanta and Polyhedron.*

Dr. C. Bowen-Forbes

- First Year Experience (FYE) Facilitator

Prof. T. Dasgupta

- President, Caribbean Academy of Sciences
- Executive Committee Member, Regional Office of International Council of Science
- Member, Organizing Committee of UNITAR Project (Office of Prime Minister)
- Chairman, National Adhering Organization for IUPAC
- Member, POPs National Implementation Programme in Jamaica
- Member, Third World Academy of Sciences
- Editor, *Jamaica Journal of Science and Technology*

Dr. H. Ellis

- Member, Bureau of Standards Jamaica Paints and Surfaces Committee.

Dr. W. Gallimore

- Member, 23rd Mona Symposium Organising Committee
- First Year Experience (FYE) Facilitator

Dr. A. Greenaway

- Member, National Ozone Commission.
- Member, Bureau of Standards Jamaica Water System Components Technical Committee.
- Member, Jamaica National Agency for Accreditation Technical Advisory Committee.

Prof. Y. Jackson

- Member, Steering Committee for UCJ Accreditation of Mona Campus and Chair of Students Working Group
- Chair, Appointments Committee of Senior Administrative and Technical Staff
- Campus Coordinator – Graduate Studies & Research
- Member, Board for Graduate Studies
- Regional Editor, MOLECULES.
- Member, Board of Governors, Hampton School for Girls.

Prof. H. Jacobs

- Member, Chemicals Review Committee, Ministry of Health and Environment
- Referee for papers submitted to *Natural Product Communications, Biochemical Systematics and Ecology*
- Member, Organic Chemistry Division of the International Union of Pure and Applied Chemistry (IUPAC)

Prof. R. Lancashire

- Secretary, Caribbean Academy of Sciences.
- Secretary, IUPAC Committee on Printed and Electronic Publications (CPEP).
- IUPAC representative to ICSU Committee on Data for Science and Technology (CODATA).

Dr. P. Maragh

- Assistant Chief Examiner CXC CSEC Chemistry.
- External Examiner for Chemistry, University of Technology
- External Examiner for Chemistry, Joint Board for Teacher Education
- External Examiner for Chemistry, MICO University
- External Examiner for Chemistry, College of Agriculture, Science & Education

Dr. D. Minott-Kates

- Vice Chairman, CARICOM Regional Organization for Standards and Quality (CROSS-Q)

- Member, Scientific Research Council Board Sub-Committee for Food Technology
- Member, WIGUT Management Committee
- Board Member, Grove Primary School, Gordon Town
- Executive Member, Mona Preparatory School Parents Teachers Association

Dr. W. Pinnock

- Faculty of Pure and Applied Sciences Rep., University Hospital of the West Indies Research Ethics Committee
- Board Member, National Water Resources Authority
- Chairman, Technical Advisory Sub-Committee, National Water Resource Authority

Dr. R. Porter

- Member, Technical Committee for Propane-Butane Liquefied Petroleum Gas standards, Bureau of Standards Jamaica.
- Member, Technical Committee (TC 93) for all standards relating to starch and its by-products, Bureau of Standards, Jamaica.
- First Year Experience (FYE) Facilitator

Dr. R. Rattray

- Secretary, Laboratories Association of Jamaica
- Director, Lions Club of Mona

Prof. P. Reese

- WIGUT Representative on Loans Committee
- West Indies Group of University Teachers Executive Committee; Negotiating Committee
- Member, Equine Drug Testing Committee, Jamaica Racing Commission.
- Member, Product Research & Development Committee, Scientific Research Council.
- Board Member, Jamaica National Agency for Accreditation, Ministry of Industry, Technology, Energy & Commerce.

- Chair, ISO/IEC 17025 Technical Advisory Committee;
Member, ISO/IEC 15189 Technical Advisory Committee

Dr. N. Sadler-McKnight

- Coordinator, CAPE Chemistry Workshop
- Executive Secretary, Chemistry Alumni and Friends (CHEMSAF)
- Member, Technical and Finance Committee of the Scientific Research Council (SRC)
- Faculty Advisor, UWI Circle K Club
- External Examiner, Chemistry, College of Agriculture, Science and Education (CASE)

Dr. M. Singh-Wilmot

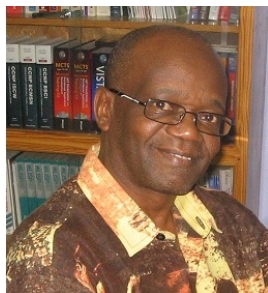
- Coordinator, Departmental Seminar series
- Member, Curriculum Reform Committee.
- Selected Member, World Economic Forum's Annual Meeting of the New Champions (ANMC), Tianjin, China, September 2010.
- Co-chair, Young Scientist Ambassador Program (YSAP)
- Young Affiliate Fellow, TWAS.

DEPARTMENT OF COMPUTING

Ezra K. Mugisa, PhD, DIC, CITP – Head of Department

WORK OF THE DEPARTMENT

The department began to implement its plan to expand the curriculum into the five areas of computing: computer science, information technology, information systems, computer engineering and software engineering, by adding the BSc in Information Technology to our programme offerings. To accommodate this, we have expanded our scheduling to include evening and Saturday classes. This also facilitates especially working students who may be interested in part-time study. The Computer Science major was revised so that 3 credit courses replaced 6 credit courses and the credit requirements were increased to 39 from 36.



In response to a recommendation from the Quality Assurance review of 2009, we designed a new course, *Internship in Computing*.

In order to expose our students to in-house internship activities we have set up a Software Development Unit.

Plans to add professional certification courses to our course offerings also started in this academic year. In January, we established a Cisco Networking Academy. Two cohorts have completed the first two modules of the four on Cisco's CCNA programme.

We successfully hosted a software modeling workshop in collaboration with The University of Technology, Jamaica. It was led by Professor Robert France of Colorado State University.

Dr. Daniel Fokum was recruited initially as temporary lecturer to replace Dr. Huw Evans and was later confirmed under a 3-year contract. Dr. Suresh Sankaranarayanan resigned from his post as lecturer.

PAPERS PRESENTED

Peer-Reviewed

- **Carl Beckford** and **Ezra Mugisa**, “Towards Achieving an Ideal Environment for Teaching Programming Online”, In Proceedings of 2nd International Conference on e-Education, e-Business, e-Management and E-Learning (IC4E 2011), January 7-9, 2011, Mumbai, India
- **Carl Beckford** and **Ezra Mugisa**, “A Tool for Learner-Centric Course Delivery in e-Learning”, Proceedings of AACE E-LEARN 2010 – World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education, October 8-12, 2010, Orlando, Florida.
- **Curtis Busby-Earle** and **Ezra K. Mugisa**, “SECRET: Potential Vulnerability Discovery”, in Proceedings of Annual International Conference on Information Technology Security (ITS 2010), November 29-30, 2010, Phuket, Thailand
- **Claudine Allen** and **Ezra Mugisa**, “A Space-Based Context Model to Increase the Reusability of Object-Oriented Learning Objects”, in Proceedings of AACE E-LEARN 2010 – World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education, October 8-12, 2010, Orlando, Florida.
- **Paul Gaynor** and **Daniel Coore**, “A Reliable, Energy Efficient Memory Repository built from an Unreliable Distributed Sensor Network”, Wireless Technologies Symposium, New York, USA, April, 2011
- **A Hylton III** and **S Suresh**, “Intelligent Agent based Scheduling of Hospital Appointment System in Android Environment”, in Proceedings of 4th IEEE International Conference on Computer

Science and Information Technology (ICCSIT 11), Chengdu, China, June 10-12, 2011

- S Bogle and **S Suresh**, “Intelligent Agent based Job Search System in Android Environment”, in Proceedings of 2011 IEEE International conference on Electro/Information Technology, Minnesota, USA, May 15-17, 2011
- **S Suresh** and K Cuffe, “Intelligent Agent based Scheduling of student Appointment in Android Environment”, in Proceedings of 5th IEEE International conference on Computer Sciences, Convergence Information Technology, Seoul, Korea, Nov 30 - Dec 2, 2010. Pp. 46-51. ISBN: 978-89-88678-30-5.
- **S Suresh** and M Harley, “Intelligent Agent based Mobile Health Care”, in Proceedings of Third IEEE International Conference on Education Technology and Training, Wuhan, China, Nov 27-28, 2010. Pp.371-376. ISBN:978-1-4244-9659-4
- M Gordon and **S Suresh**, “Biometric Mechanism in Mobile Payments”, in Proceedings of Seventh IEEE International Conference in Wireless and Optical communication Networks (WOCN 10), Colombo, Srilanka, September 6-8, 2010. ISBN: 978-1-4244-7202-4.
- D Stephenson and **S Suresh**, “AutoRefs - A Software for Automated Referencing System”, in Proceedings of ISRST International Conference on software Engineering Theory & Practice (SETP 10), Orlando, USA, July 12-14, 2010. Pp.147-152. ISBN: 978-1-60651-023-0
- C.A McTavish and **S Suresh**, “Intelligent Agent based Hotel Search and Booking System”, in Proceedings of 2010 IEEE International conference on Electro/Information Technology, Chicago, USA, May 20-22, 2010. Pp. 331-336. ISBN: 978-1-4244-6874-4
- Stewart H., **Mansingh G.**, (2010), “Using Knowledge Management to Transform the Jamaica Constabulary Force”, in

Proceedings of SIG-GlobalDev Workshop. St. Louis, U.S.A., December 12, 2010.

- **Mansingh G., Rao L.**, Osei-Bryson K. M., Mills A., (2010), “Application of data mining process model: A case study - Profiling Internet Banking Users in Jamaica”, in Proceedings of 16th Americas Conference on Information Systems (AMCIS), Lima, Peru, Aug 12-15, 2010.
- Jason Thompson and **Ashley Hamilton-Taylor**, “Active Object Diagrams”, in Proceedings of 2nd International Conference on e-Education, e-Business, e-Management and E-Learning (IC4E 2011), January 2011, Mumbai, India. IACSIT/IEEE.
- Kadian Davis and **Ashley Hamilton-Taylor**, “SKA for RBTs: An Interactive Multimedia Teaching Tool to Support the Learning of Red-black Trees”, in Proceedings of 2nd International Conference on e-Education, e-Business, e-Management and E-Learning (IC4E 2011), January 2011, Mumbai, India. IACSIT/IEEE.
- Kadian Davis and **Ashley Hamilton-Taylor**, “SKA for RBTS: An Algorithm Visualization System to Support Red-black Trees”. Poster, ACM SIGCSE 2011, March 2011, Dallas Texas.
- **Mansingh G.**, (2011). So that we may Reap from what we have Sown: Knowledge Management & KM Systems”, Strategies for Enhancing Jamaican Competitiveness in the Global Knowledge Economy, Jamaica Computer Society, Kingston, Jamaica, April 15-17 2011.
- **Rao L., Mansingh G.**, Osei-Bryson K. M., (2011). “A MCDM-based Decision Support System for Business Process Re-engineering Project Selection”. The 21st International Conference on Multiple Criteria Decision Making, Jyvaskyla, Finland, June 13-17, 2011.

PUBLICATIONS

Books

- * **Ezra Mugisa**, “An Approach to Architecture-Based Systematic Software Reuse: Plugging Components into an Architecture”, 300 pages, VDM Verlag Dr. Müller, 2010. ISBN-10: 3639316568, ISBN-13: 978-3639316568

Journal Articles

- * **Claudine A. Allen** and **Ezra K. Mugisa**, “Improving Learning Object Reuse Through OOD: A Theory of Learning Objects”, *Journal of Object Technology*, Volume 9, no. 6, November 2010, pp. 51-75, doi:10.5381/jot.2010.9.6.a3. (URL: http://www.jot.fm/contents/issue_2010_11/article3/html)
- * **Curtis Busby-Earle** and **Ezra K. Mugisa**, “Identifying Potential Security Flaws using Loophole Analysis and the SECRET”, *GSTF International Journal on Computing (JoC)*, Vol. 1 No. 2, February 2011, (ISSN: 2010-2283)
- * **D. T. Fokum**, V. S. Frost, D. DePardo, M. Kuehnhausen, A. N. Oguna, L. S. Searl, E. Komp, M. Zeets, D. Deavours, J. B. Evans, and G. J. Minden, “An Open System Transportation Security Sensor Network: Field Trial Experiences,” *Transactions on Vehicular Technology*, IEEE, vol. 59, no. 8, pp. 3942–3955, Oct. 2010.
- * **K Miller** and **S Suresh**, “Applications of Policy based Agents in Wireless Body Sensor Mesh Networks for Patient Health Monitoring”, *International Journal of e-Health and Medical communications*, Vol.2(2), pp. 24-45, IGI Publishing, 2011
- * R. A. Brown and **S Suresh**, “Intelligent Store Agent for Mobile shopper”, *International Journal of E-services and Mobile Applications*, Vol.3 (1), pp.56-71, IGI publishing, 2011
- * **Mansingh G.**, Osei-Bryson K. M., and Reichgelt H. (2011), “Using ontologies to facilitate post-processing of association

rule by domain experts”. *Information Sciences*, Vol. 181(3), February 2011, pp 419-434. doi:10.1016/j.ins.2010.09.027

- * **Ashley Hamilton-Taylor**, “Engaging Students in Developing Countries with ICT via a Multifaceted Foundation Course”, *UWI Quality Education Forum Journal*, OBUS, UWI, Mona, No.17, April 2011.
- * Kadian Davis and **Ashley Hamilton-Taylor**, “SKA for RBTs: Interactivity in Data Structures and Algorithm Courses with SKA for RBTs”. *International Journal of Innovation, Management and Technology (IJIMT)*, Volume 2, Number 1, February 2011, ISSN: 2010-0248.

INCOME GENERATION

We run a number of income generating programmes and activities and the income/expenditure figures are summarised in the table below:

Programme/Activity	Income	Expenditure	Net Income
MSc Computer Science			\$1,157,518.53
MSc CBMIS			Not available
Cisco Networking Academy	1,553,500.00	1,216,475.85	\$337,024.15
Summer School	\$1,859,797.00	\$1,445,758.95	\$414,038.05
Software Development			\$1.5M

PUBLIC SERVICE

Curtis Busby-Earle

- Member, Board of Governors, St. Hugh’s Preparatory School, Kingston

Paul Gaynor

- Director, The Sunset Optimist Club of Kingston

STUDENTS

Student Throughput

The table below shows a breakdown of the numbers of students who graduated from the various programmes we offer:

Programme	BA (CS)			BSc (CS)			BSc CSO			MPhil CS		
Faculty	FHE			FPAS			FPAS			FPAS		
Gender	M	F	Total	M	F	Total	M	F	Total	M	F	Total
1 st Class	1		1	5	5	6						
2 nd Class (Upper)	1		1	5	2	7						
2 nd Class (Lower)	2		2	11		11	1		1			
Pass	1		1	9	2	11						
Total	5		5	30	5	35	1		1	2	1	3

CSO = Computer Studies Option

Student Awards

The department was pleased to grant the Dr. Karl Robinson Award, for best performance in Computer Science courses up to semester 1 of year 3 in the programme to **Tahreif Hylton**.

DEPARTMENT OF GEOGRAPHY AND GEOLOGY

Professor David Barker, BSc *Wales*, PhD *Bristol*, Dip Urb & Reg Studies *Birmingham* – Head of Department

WORK OF THE DEPARTMENT

The Department continued to mount a full programme of undergraduate teaching in Geography and Geology despite another year in which there was a shortage of qualified and experienced lecturers. Difficult challenges were imposed by an operational budget which was unchanged for the third consecutive year. The budget severely limited opportunities to improve physical plant and infrastructure, and to acquire new equipment and replace aging equipment. A particular challenge was to maintain a full programme of undergraduate field classes, given the rising costs of transport.



In Geography, **Dr David Miller** was on sabbatical for Semester 1. **Dr Susan Mains** was on leave at the beginning of the Semester 1, and left UWI at the end of Semester 1. **Dr Kevon Rhiney** was appointed on a three-year contract in geography, subject to a probationary first year, while **Robert Kinlocke** was re-appointed on a temporary one-year appointment as a full-time Assistant Lecturer. **Donovan Campbell** was re-appointed for a second year as a Teaching Assistant. In Geology, an overseas candidate selected for a lectureship declined the offer after protracted issues over his contract, so **Professor Trevor Jackson** was brought from Trinidad to cover some of this teaching. **Mr Rafi Ahmad** was re-appointed on another one-year post-retirement contract.

The Department began a complete overhaul of its undergraduate curricula as part of the Faculty's transition to new 3-credit course degrees. The Department's new 3-credit courses will be introduced on a phased basis over three years, and new first year Geography and Geology courses will

start in September 2011. One goal is facilitate new cross-faculty degrees, to allow students to combine Geography with cognate subjects like Economics, Sociology and History.

The research output was outstanding even by the high standards achieved in the past. In total, 33 papers were presented at international, regional and local conferences and workshops by staff and postgraduates, and there were 23 peer-reviewed publications out of a total of 27 publications including edited volumes. **Professor D. Barker** and **Donovan Campbell** received the Principal's Research Day Award for the best Faculty publication for an article which appeared in a Special Issue of the *Annals of the Association of American Geographers* on Climate Change. **Donovan Campbell** was one of three international postgraduate students to receive an award for their doctoral research at Third International Conference on Climate Change: Impacts and Responses, in Rio de Janeiro, Brazil in July, and his research was also featured on the NASA on-line publication 'Sensing Our Planet: NASA Earth Science Research Features'.

Members of the department were once again prominent in conference activities. The Department, in conjunction with the Geological Society of Jamaica, hosted the Ninth International Congress on Rudist Bivalves at Mona campus in June 2011. **Professor Simon Mitchell** was conference convenor and Chair. The meeting involved 40 presentations with delegates representing countries including: Croatia, France, Germany, Jamaica, Japan, Italy, Mexico, Puerto Rico, Spain, UK, USA, and UAE. The meeting included a pre-conference field trip to the Benbow area in St. Catherine, and a three-day trip to central and western Jamaica. Delegates had the opportunity to examine the rudist collections in the University of the West Indies Geological Museum. The meeting was supported from grants and assistance from Graduate Studies and Research, the Lawrence Chubb Fund (DOGG), Sagres Energy, Petroleum Corporation of Jamaica, and the Mines and Geology Division, GOJ.

Geography staff and postgraduates were again well represented at the Annual Meeting of the Association of American Geographers held in Seattle in April 2011, with some 8 papers presented at the conference. **Professor David Barker, Dr David Miller, Dr Kevon Rhiney and Dr**

Susan Mains were involved in organizing panel sessions at the meeting. Geology staff attended the 19th Caribbean Geology Conference which was held in Guadeloupe and 5 papers were presented.

Several staff obtained external funding to attend overseas and local conferences and workshops: **Professor Simon Mitchell** 4th Cuban Conference on Earth Sciences in Havana Cuba (April); **Rafi Ahmad** Global Earthquake Model (GEM) Workshop, Trinidad (May); **Professor David Barker** Responding to Climate Change in the Caribbean, Institute for the Study of the Americas, London (June); **T. Stemann** Creative writing workshop on coral reef education in the Caribbean, The Bahamas; **S. James-Williamson** Regional Workshop for the Caribbean on Education for Sustainable Development, Trinidad & Tobago, organized by Cropper Foundation, April; **K. Rhiney**, expert workshop at Mona Visitor's Lodge, on Impact of Climate Change on Tourism, Agriculture, National Economic Growth and Development in Jamaica, OXFAM/ International Institute of Environment & Development/ CARIBSAVE (January) and workshop Livelihoods and Disaster Risk Reduction Caribbean Workshop, at SuperClubs Breezes Resort, Trelawny, organized by OXFAM, (January); and **Dr Mike Burn**, XVIII International Quaternary Association Congress in Bern, Switzerland, (July).

The Jamaican Geographical Society (JGS) and the Geological Society of Jamaica (GSOJ) continue to be the major arms for the Department's outreach activities. Lecturers and postgraduates are actively involved on the organizing committees and as executive officers of these societies. Outreach activities include guest lectures, field trips and film shows. The GSOJ was closely involved in the organization of the International Rudist conference in June, while the JGS hosted a well-attended panel discussion on 'Progress of the Downtown Redevelopment Project' in March.

As a result of the torrential flood rains experienced during September and October, the Geology Museum and a teaching classroom were flooded on three separate occasions. The first occasion was the worst and resulted in considerable water damage to the museum furniture and materials stored there. The Museum experienced similar flood damage several years ago, and the resulting remedial work to improve the drains proved to be totally ineffective.

Kevon Rhiney successfully completed his PhD in Geography and **Ian Brown** was awarded an MPhil in Geology.

The Department continued to administer the Earthquake Unit, the Unit for Disaster Studies, and the Marine Geology Unit

INCOME GENERATION

Dr Kevon Rhiney obtained funding of US\$18,000 from OXFAM GB for the JAMAI project on promoting market access for small farmers in Jamaica, and US\$9,000 from the International Center for Tropical Agriculture (CIAT) in Colombia for a project on Adaptation to Climate Change among small farming communities across Jamaica. The latter led to further funding for a two-week training workshop in Crop Suitability Modeling in July for a group that included Dr Kevon Rhiney, Donovan Campbell and geography postgraduates.

Professor Simon Mitchell received grants totaling US\$5,000 from the Petroleum Corporation of Jamaica, Sargress Energy and CaribX for graduate research and travel on a variety of small-scale consultancies.

Dr Mike Burn (Geography) received a UWI New Initiative Grant for J\$1.5 million for a project titled 'A 6000-year record of hurricane activity in Jamaica and impacts on coastal ecosystems and human settlement'. The grant is to be spent on installing a new fume cupboard for a new Paleoecology laboratory to facilitate the pollen, charcoal and ostracod analysis and for storing cores taken from coastal sediments and coring equipment.

Dr Sherene James-Williamson, Geology Museum Curator, received a grant of J\$36,000 from ICWI for an educational discovery centre for early childhood, based in the geology Museum.

The Marine Geology Unit received a grant of J\$2.8million to support preparation of a catalogue and database of historical aerial photographs of the Jamaican coastline. The Unit also received a grant of J\$198,925 from the Environmental Foundation of Jamaica and J\$95,000 from the UWI Disaster Risk Reduction Centre (DRRC) to assist preparation of a book on hurricane impacts on the Jamaican coastline.

PAPERS PRESENTED

- **D. Barker & D. Campbell** 'Local responses to climate change in Jamaican Agriculture: Farmers' perspectives in different agro-ecological zones', 'Responding to Climate Change in the Caribbean', Institute for the Study of the Americas, Senate House, University of London, UK, June 13-14, 2011.
- A. Bain, **M. Burn**, L. Kennedy, S. Metcalfe, A. Faucher, A. LeBlanc, & A. Berland 'Environmental Archaeology, palaeoecology and climate change: a multidisciplinary perspective from Antigua and Barbuda'. 24th Congress of the International Association for Caribbean Archaeology. Martinique, July 25-30, 2011.
- A. Bain, **M. Burn**, L. Kennedy, A. LeBlanc, & A. Faucher, 'Recent research in Environmental Archaeology and paleoecology in Antigua and Barbuda'. Society for American Archaeology 76th Annual Meeting, Sacramento, California. Abstract 202. March 30 – April 3, 2011.
- **M. Burn**, F. Mayle & T. Killeen 'Differentiation of pollen spectra from Amazonian rainforest communities and implications for lowland palaeoecology in tropical South America', Eos Transactions of the American Geophysical Union, Foz do Iguassu, Brazil, 2010.
- **A. Mandal**. 'Flooding and Modelling of rainfall-induced river flooding of Port Maria, St Mary, Jamaica'. 8th International Conference on Disasters, Havana, Cuba, June 14-18, 2010.
- **A. Mandal**. & **A. Maharaj** 'Modelling high intensity rainfall-driven river flooding of Port Maria, Jamaica', 5th Caribbean Conference on Comprehensive Disaster Management (CDM), Rose Hall, Montego Bay, December 5-11.
- A. Maharaj & **A. Mandal** 'Analysing High-Intensity, Rainfall-Driven, River Flooding in Port Maria, St. Mary, Jamaica. How Has Climate Change Exacerbated the Situation?', American

Water Resources Association Spring Speciality Conference, Baltimore, April 18-20, 2011.

- **S. James-Williamson** ‘The University of the West Indies Geology Museum: a university-wide teaching resource’, Annual Symposium of the Archaeological Society, UWI, Mona, May 6, 2010.
- **S. James-Williamson** ‘Tectono-stratigraphic development of Southeastern Jamaica’, 19th Caribbean Geology Conference Held in Guadeloupe F.W.I., March 21-26, 2011.
- **S. James-Williamson** ‘The changing role of the UWI Geology Museum: from repository to an interactive learning environment’, 19th Caribbean Geology Conference Held in Guadeloupe, March 21-26, 2011.
- **S. James-Williamson** ‘Learning beyond the Classroom’, World Academy of Sciences Regional Office for Latin America & Caribbean, 8th Young Scientists Regional Conference, Brazilian Academy of Sciences, Rio de Janeiro, Brazil, Nov. 29 – Dec. 2010
- **S. Khan & E. Robinson** ‘Beach erosion and sea-level rise at Long Bay, Negril, western Jamaica’, World Resources Institute seminar, Mona Visitors’ Lodge, UWI, June 9, 2011.
- **S.F. Mitchell** ‘Lithostratigraphy of the White Limestone Group of Jamaica’, 19th Caribbean Geological Conference, Guadeloupe, March 21-26, 2011.
- **T. Stemann & S. Punnette** ‘Ecology and zonation of coral build-ups in the Late Miocene August Town Formation, Jamaica’, 19th Caribbean Geology Conference Held in Guadeloupe, March 21-26, 2011.

Papers presented at the XVIII INQUA Congress, Bern, Switzerland, July 20-27, 2011.

- **M. Burn, A. Bain, L. Kennedy, A. LeBlanc, A. Faucher, & S. Perdikaris** ‘A Late-Holocene record of Human Ecodynamics from Barbuda, Lesser Antilles’.

- S. Palmer & **M. Burn** ‘A Late-Holocene record of marine washover events from a coastal lagoon in Jamaica, West Indies’.
- B. Whitney, F. Mayle, S. Punyasena, K. Fitzpatrick, **M. Burn**, R. Guillen, E. Chavez, D. Mann, R. Pennington & S. Metcalfe ‘A 45,000-yr palaeoclimate record from the heart of tropical South America’.

Paper presented at Annual Conference of Association of American Geographers, Seattle, April 12-16, 2011.

- **D. Campbell & D. Barker** ‘Jamaican agro-ecological zones and climate change: a comparison of farmers’ perceptions of changing weather and climate and their capacity to respond to global change’.
- L. Kennedy, **M. Burn**, A. Bain, A. LeBlanc, A. Faucher, & S. Perdikaris, ‘Long-term Human Ecodynamics of Barbuda/Antigua from Sedimentary and Archaeological Records’.
- **R. Kinlocke** ‘Fortified enclaves, fear and attachment to place in a fragmented city’.
- **D. Miller** ‘Tropical Storms and Hurricane Impacts on a Caribbean beach: Manatee Bay, St Catherine, Jamaica.’
- **K. Rhiney & R. Kinlocke** ‘Urban livelihood responses to new trade regulations for the Jamaica scrap metal industry’.

Papers presented at the Ninth International Congress on Rudist Bivalves, June 18-25, 2011, Kingston, Jamaica.

- **S.F. Mitchell** ‘Interpreting *Texicaprina* and its relationship with other Albian ‘Caprinuloidids’.
- **S.F. Mitchell**, P. Skelton, H. Santos & M. Martínez-Colón ‘Exceptionally preserved hippuritid rudists from Puerto Rico – a new analysis of the New World hippuritids’.
- **S.A. James-Williamson & S.F. Mitchell** ‘Provenance, use and interpretation of the Rudist Collections at the University of the West Indies Geology Museum (UWIGM)’.

- **S. F. Mitchell** ‘American rudist zones for the Turonian to Maastrichtian time interval’.
- G.C. Gunter & **S. F. Mitchell** ‘The biostratigraphy of the Maldon Inlier, parish of St. James, north-western Jamaica’.
- J. Fisher & **S.F. Mitchell** ‘Foraminiferal biostratigraphy and palaeoenvironmental analysis of some late Cretaceous basal successions of Jamaica’.
- D. Hennhöfer, S. Götz, & **S.F. Mitchell** ‘Quantitative Palaeobiology, Reproduction and Seasonality in *Biradiolites mooretownensis*’.
- **T.A. Stemann**, G.C. Gunter, & **S.F. Mitchell** ‘Contrasting patterns in rudists and corals from the uppermost Maastrichtian of Jamaica’.

PUBLICATIONS

Book and Edited Volumes

- * **E. Robinson, & S.A. Khan** Impacts on Jamaica’s Coastline from Recent Hurricanes, *Contributions to Geology*, **S.F. Mitchell** (ed) UWI Mona, #5, 2011, 142p.
- * **S.F. Mitchell** (ed) *Caribbean Journal of Earth Sciences*, Vol. 51 (for 2006)
- * **S.F. Mitchell** (ed) The 9th International Congress on Rudist Bivalves, 18th-25th June, 2011, Kingston, Abstracts, Articles and Field Guide, *Contributions to Geology*, #6, 2011.

Peer-reviewed articles

- * C. Beckford, **D. Campbell.** & **D. Barker** ‘Sustainable Food Production Systems and Food Security: Economic and Environmental Imperatives in Yam Cultivation in Trelawny, Jamaica’, *Sustainability*, 2011, 3, pp541-561, doi:10.3390/su3030541: www.mdpi.com/journal/sustainability.

- * D.W. Gamble, **D. Campbell**, T.L. Allen, **D. Barker**, S. Scott Curtis, D.F.M. McGregor, & J. Popke 'Climate Change, Drought, and Jamaican Agriculture: Local Knowledge and the Climate Record', *Annals, Association of American Geographers*, 2010, 100(4), pp880-893.
- * **D. Campbell**, **D. Barker**, & D.F.M. McGregor 'Dealing with drought: Small farmers and environmental hazards in southern St. Elizabeth, Jamaica', 2010, *Applied Geography*, 30, pp1-16.
- * C. Beckford, **D. Campbell**, & **D. Barker** 'Sustainable food production systems and food security: economic and environmental imperatives in Yam cultivation in Trelawny, Jamaica', *Sustainability*, 2011, 3, pp541-561.
- * **M. Burn**, F. Mayle & T. Killeen 'Pollen-based differentiation of Amazonian rainforest communities and implications for lowland palaeoecology in tropical South America.' *Palaeogeography, Palaeoclimatology, Palaeoecology*, 2010, 295, pp1-18.
- * B. Whitney, F. Mayle, S. Punyasena, K. Fitzpatrick, **M. Burn**, R. Guillen, E. Chavez, D. Mann, R. Pennington, & S. Metcalfe 'A 45 kyr palaeoclimate record from the lowland interior of tropical South America'. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 2011, 307(1-4), pp177-192. Elsevier, Amsterdam. doi:10.1016/j.palaeo.2011.05.012
- * **S. A. Khan**, **E. Robinson**, D-A.C. Rowe & R. Coutou 'Size and mass of shoreline boulders moved and emplaced by recent hurricanes, Jamaica', *Zeitschrift für Geomorphologie*, 2010, 54, suppl.3, pp281-299.
- * **A. Mandal**, & A.Haiduk 'Hydrochemical Characteristics of Groundwater in the Kingston Basin, Kingston, Jamaica', *Environmental Earth Sciences*, 2011, 63(2), pp415-424.
- * **A. Mandal**, & M.Voutchkov 'Heavy Metals in Soils Around the Cement Factory in Rockfort, Kingston , Jamaica', *International Journal of Geosciences*, 2011, 2, pp48-54.

- * **A. Mandal**, E. Alleyne, C. Nawal & A. Haiduk (2010) 'Assessment of the Groundwater Quality of the Kingston Basin, Kingston, Jamaica', *Advances in Geosciences*, 23, pp295-304.
- * **S. F. Mitchell**, 'Revision of three large species of *Barrettia* from Jamaica', *Caribbean Journal of Earth Science*, 2010, 41, pp1-16.
- * I. Brown, & **S.F. Mitchell** 'Lithostratigraphy of the Cretaceous succession in the Benbow Inlier, Jamaica', 2010, *Caribbean Journal of Earth Science*, 41, pp25-37.
- * A.R. Hastie, A.C. Kerr, **S.F. Mitchell**, J.A. Pearce, I. McDonald, I. Millar, D. Barfod, & D.F. Mark, 'Geochemistry and petrogenesis of rhyodacite lavas in eastern Jamaica: a new adakite subgroup analogous to early Archaean continental crust?', *Chemical Geology*, 2010, 276, pp344-359.
- * **S.F. Mitchell**, 'Revision of the antillocaprinid rudist bivalve *Antillosarcolites* Chubb with a description of a new genus: implications for evolution of Antillocaprinidae', *Geobios*, 2010, (doi:10.1016/j.geobios.2010.03.004)
- * **S.F. Mitchell**, 'Morphology, taxonomy and lifestyle of the Maastrichtian rudist bivalve *Thyrastylon*'. In: Jurassic-Cretaceous Rudists and Carbonate Platforms – Part A, *Turkish Journal of Earth Science*, 19, pp635-642.
- * A.R. Hastie, R. Ramsook, **S. F. Mitchell**, A.C. Kerr, I. Millar, & D.F. Mark 'Geochemistry of compositionally-distinct late Cretaceous back-arc basin lavas from Jamaica: implications for the tectonomagmatic evolution of the Caribbean plate', *Journal of Geology*, 2010, 118, pp655-676.
- * A.R. Hastie, **S. F. Mitchell**, A.C. Kerr, M.J. Minifie & I.L. Millard 2011. Geochemistry of rare high-Nb basalt lavas: Are they derived from a mantle wedge metasomatised by slab melts? *Geochimica et Cosmochimica Acta* 2011, (doi:10.1016/j.gca.2011.06.018).
- * **S.F. Mitchell**, & **S. James-Williamson** 'Rudist bivalves in Jamaica: from Barrett and Sawkins to Chubb, **S.F. Mitchell** (ed)

- The 9th International Congress on Rudist Bivalves, June 18-25, 2011, Kingston, Abstracts, Articles and Field Guide, Contributions to Geology, #6, pp1-5.
- * **S.F. Mitchell.** & R.Green, Field Trip 1: Lower Cretaceous rudists of the Benbow Inlier, central-north Jamaica **S.F. Mitchell** (ed) The 9th International Congress on Rudist Bivalves, June 18-25, 2011, Kingston, Abstracts, Articles and Field Guide, Contributions to Geology, #6, pp29-36.
 - * **S.F. Mitchell, G. Gunter, & J. Fisher,** Field Trip 2: Campanian and Maastrichtian rudists of Central and western Jamaica, **S.F. Mitchell** (ed) The 9th International Congress on Rudist Bivalves, June 18-25, 2011, Kingston, Abstracts, Articles and Field Guide, Contributions to Geology, #6, pp37-50.
 - * **K. Rhiney,** ‘Agri-tourism Linkages in Jamaica: Case Study of the Negril All-inclusive Hotel Sub-sector’. In R. Torres & J. Momsen (eds.) Tourism and Agriculture: New Geographies of Consumption, Production and Rural Restructuring, London and New York: Routledge, 2011, pp117-138.
 - * R. Cruse, R. & **K. Rhiney** ‘Reggae identité et paysage urbain dans un bidonville de Kingston-ouest’, *L’Espace Politique*. 2011 <http://espacepolitique.revues.org/index1997.html>
 - * **K. Rhiney,** ‘Text and Textuality’, in Wharf, B. (ed.) Encyclopedia of Human Geography. London: SAGE, 2010, pp482-484.
 - * J.S.H. Collins, S.K. Donovan, **T. A. Stemmann** & D.J. Blissett ‘Crustaceans of the upper Miocene August Town Formation of southeastern Jamaica’, *Scripta Geologica Special Issue*, 2010, 7, pp177-183.

Non-refereed publications

- * **D. Barker** ‘The hazards of dry land farming in St Elizabeth’, *CaribXplorer*, 2011, 1(3), pp22-26

- * **D. Barker** ‘Plastic yam sticks: staking a future in food security’, *CaribXplorer*, 2010, 1(2), pp34-36.
- * **K. Rhiney** ‘Agri-tourism linkages in Jamaica: prospects and challenges’, *CaribXplorer*, 2011, 1(3), pp18-22.

POSTGRADUATE CONFERENCE PAPERS

(excluding those presented with supervisors and other staff members)

- * **Carlos Michel** ‘Local people- Global Goods: stakeholder relations and the impact on World Heritage in Saint Lucia’, Annual Conference of Association of American Geographers, Seattle, April 11-17, 2011.
- * **Joyelle Clarke** ‘**Sugar, Land and Livelihood in St Kitts: redefining women’s worth**’ Annual Conference of Association of American Geographers, Seattle, April 11-17, 2011.
- * **Soyini Ashby** ‘The “Tropical Man”’: Tropes of tropicality in Discourses of Self-Definition in the Greater Caribbean’ Annual Conference of Association of American Geographers, Seattle, April 11-17, 2011.

PUBLIC SERVICE

R. Ahmad

- Technical sub-committee, Water Resources Authority

D. Barker

- Editor, *Caribbean Geography*.
- Convenor, CAPE Geography.
- Editorial Committee *CaribXplorer Magazine*.
- Editorial Board *Caribbean Quarterly*
- Council member, *Jamaican Geographical Society*

S. James-Williamson

- Council member, Jamaica Institute of Environmental Professionals.
- Vice-Chair and Treasurer, National Environmental Education Committee; Chairperson since April 2010.
- Member, Steering Committee, NEEC/PANOS Caribbean Climate Change Project.
- Council member, Geological Society of Jamaica; Vice President since March 2010.
- Member, Publications Committee, Natural History Museum of Jamaica, Institute of Jamaica.
- Member, Steering Committee, International Conference on Rudists 2011.

A. Mandal

- Member, Technical sub-committee, Water Resources Authority

S. Mitchell

- Permanent member, Standing Committee for the Caribbean Geological Conference.
- Member, Scientific Committee, International Rudist Congress.
- Chairman, Commission on Jamaican Lithostratigraphy.
- Council member, Geological Society of Jamaica.
- Editor, *Caribbean Journal of Earth Science*.
- Chairman, Ninth International Congress on Rudist Bivalves, Kingston, Jamaica, 2011.

E. Robinson

- Member, Jamaican National Council on Ocean and Coastal Zone Management.
- Fellow, Third World Academy of Science.
- Member, Coastal Education and Research Foundation.
- Member of the Board, International Centre for Environmental and Nuclear Science.
- Member, Geological Society of Jamaica.
- Member, Jamaica Institute of Environmental Professionals.

- Member of the Board, Centre for Marine Sciences.
- Member, Graduate Faculty, Florida International University, U.S.A.

K. Rhiney

- President, Jamaica Geographical Society.
- Technical advisor to the Steering Committee for the National Food and Nutrition Security Policy.
- Member of the UWI at Denbigh Strategic Committee
- Research Fellow for Centre for Leadership and Governance
- Co-author for the National Youth Mainstreaming Strategy and Manual with the IDB/GOJ
- Co-editor for the Caribbean Online Atlas
<http://atlas-caraibe.meabilis.fr/>

T. Stemann

- Council Member Geological Society of Jamaica

CATEGORIES OF STUDENTS

Undergraduate Students: Geography

Year I:	95
Year II:	56
Year III:	26

Undergraduate Students: Geology

Year I:	72
Year II:	39
Year III:	34

Postgraduates:

MPhil Geography:	5
MPhil Geology:	7
PhD Geography:	8
PhD Geology:	1

DEPARTMENT OF LIFE SCIENCES

Mona Webber, BSc (Hons.), MPhil, PhD *UWI*
– Head of Department

WORK OF THE DEPARTMENT

The Department of Life Sciences (DLS) undertook several projects in the 2010/11 academic year and was able to record a number of significant achievements.

Undergraduate Curriculum Reform

One of the Department's primary undertakings in the 2010/11 academic year was to continue the reform of the undergraduate curriculum, a directive of the 2006 Quality Assurance review, which had begun previously with changes to the Level 1 courses in 2008/09. During the 2010/11 academic year through the work of our Curriculum Committee, the DLS rolled out a new curriculum comprised of four Majors, three Minors and two BSc Programmes.



The Department of Life Sciences now offers a new **BSc in Environmental Biology** along with the revised **BSc in Tropical Horticulture**. The four majors are: Animal Biology, Applied Plant Sciences, Marine Biology and Terrestrial and Freshwater Ecosystems. Minors in Human Biology, Conservation Biology and Plant Sciences complete the package. This new curriculum design was contemporaneous with the Level 2 reform and thus ten new and revised Level 2 courses were “put on the books” during the year; completely replacing our previous Level 2 package of courses. The Department's goal is to complete the reform of the undergraduate curriculum by the end of the 2011/12 academic year with complete revision of Level 3 courses. This is required to achieve the new majors/minors and BSc programmes.

Revision of Graduate Programmes

Through the work of the Department of Life Sciences' Graduate committee (chaired by Dr Dwight Robinson) the Department was able to review our two MSc programmes: MSc in Plant Production and Protection (PPP) and MSc in Marine and Terrestrial Ecosystems (MaTE). These were extensively revised in 2010/11 and made available to a new cohort of students at the start of the 2011/12 Academic year. The MSc MaTE is now one of the specializations under the Natural Resource Management umbrella, with the Department sharing core courses with the NRM but having sole responsibility for the students and courses in the MaTE specialization.

During 2010/11 the Department, through the efforts of Professor Ralph Robinson, developed a course in **Research Ethics** (ETHI6010) which saw 11 MPhil and PhD students from several departments in the Faculty participating. The course is UGC funded and was delivered in Semester 2 of the academic year by Dr. Anthony Mullings and Professor Ralph Robinson.

Plans for the implementation of a new Faculty programme, **MSc in Agricultural Entrepreneurship**, housed in the Department of Life Sciences, came to fruition with the programme taking in its first cohort of 11 students in September 2010.

Student Enrolment

The numbers of students enrolled in Level 1 Life Sciences courses in 2010/11 were again high (490-534 across the four courses, cf. maximum of 554 in 2009/10). There was the usual high level of attrition moving from Level 1, with Level 2 courses each having 107-166 students, across the 8 courses. Level 3 numbers ranged from 30 to 66 (across 20 courses) and this created space issues for several final year courses which were previously capped at 40. Consequently, one of the Biology Seminar rooms was expanded to increase lecture capacity. The number of laboratory streams per week in five final year courses was increased to accommodate the final year numbers.

Undergraduate Teaching

The Department maintained its high standard of teaching with 72% of lecturers in Semester 1 and 76% in Semester 2 scoring 4.0 and all lecturers in both semesters scoring 3.0 and above in student assessments. At the graduate level all lecturers were rated at 4.0 by students in courses taught in both semesters. The Faculty of Pure and Applied Sciences at its Awards ceremony in March, 2011 again recognised Professor Dale Webber for “outstanding achievement in teaching” as one of the lecturers with the highest average lecturer assessment scores in the Faculty. Other Life Sciences staff members recognised by the Faculty for high assessment scores were Drs Dwight Robinson and Mona Webber.

The Level 1 courses saw improvements in the percentage passes and class averages in the 2010/11 academic year with maxima of 64% and 81% passes in the Cell Biology and Plant Diversity courses, respectively; cf. 52 to 65% passes in previous year. During the year, the Department implemented compulsory tutorial attendance with graded tutorial exercises (in addition to the usual compulsory laboratory attendance and graded exercises), which contributed to coursework grades for the Level 1 students. Level 1 lecturers, Teaching Assistants and Demonstrators were “hard pressed” to complete the marking of the exercises for such large numbers of students in the requisite time. We continue to review and refine this process.

The poor performance of students at Level 2 was again a feature of the 2010/11 academic year. It has been observed that many of these students recover and do well at Level 3 but failure in Level 2 advanced courses, in many cases, does irreparable damage to the class of degree. In the 2010/11 academic year percentage passes ranged from 24% – 65% in Level 2 courses. The Department is therefore seeking to address the high failure rate at Level 2 of the programme through curriculum reform and measures similar to those implemented at Level 1.

Postgraduate research

The number of students entering new MPhil/PhD programmes was again low with two MPhil and two PhD students commencing higher degree programmes in 2010/11 out of a total of 36 applicants. Mr Setu Munroe successfully upgraded to a PhD during the academic year and one PhD candidate (Mrs Margelette Ellis-Tabanor) was awarded her doctorate. The categories of graduate students completing in the 2010/11 academic year, with supervisors, are given below.

MPhil Marine Sciences

Nicole Harris-Robinson	Supervised by Dr. Mona Webber
Denise Chin	Co-Supervised by Drs. Mona Webber and Judith Mendes

MPhil Zoology

Renaldo Douglas	Supervised by Dr. Eric Hyslop
Monique Curtis	Supervised by Dr. Eric Hyslop

PhD Zoology

Margelette Ellis-Tabanor	Co-Supervised by Drs. Eric Hyslop and Dwight Robinson
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Summer School

In 2010/11 the DLS saw for the first time since 2003, our summer school teaching commencing in June and being completed in July. This signified the end of the Ministry of Education Youth and Culture (MOEYC) project which offered High School teachers the opportunity to do first and second year Biology courses in the summer towards obtaining a degree, but which necessitated starting summer school in July. A total of 28 courses were offered in Summer School to 367 students, with many as exams-only sittings. This is up from 19 courses and 315 students in the previous year. Summer School thus continues to be an important source

of income generation for the Department while providing opportunity for academic recovery for students.

Infrastructure and equipment

The maintenance of the infrastructure of the Department of Life Sciences continues to be a challenge and this was exacerbated by the need to expand to accommodate increased numbers of advanced students in 2010/11. Seminar Room 6 was increased from a capacity of 35 to 55 and the undergraduate computer laboratory increased to seat 40 students (up from 20). Projects are on-going to increase the Molecular Biology/Virology laboratory to seat 60, up from 20 students. The expansion has necessitated the purchase of additional laminar flow hoods, autoclaves, microscopes and other equipment to support the increasing number of students choosing Molecular Biology, Virology, Immunology and Parasitology courses. This as we seek to ensure that all students have access to acceptable standards of basic equipment required for effective teaching and learning.

Port Royal Marine Laboratory

The UWI/EFJ Biodiversity Centre based at the Port Royal Marine Laboratory continued to host large numbers of staff and students from a range of prep/primary, secondary and tertiary institutions across Jamaica. The centre hosted over 2,500 school-based visitors from over 40 schools for Biodiversity Centre and Mangrove tours into the Port Royal mangroves. The Laboratory hosted several First Year Experience (FYE) groups from the Mona campus and facilitated courses in Oceanography, Marine Benthic Communities, Coral Reef Biology, Fisheries and Aquaculture Technologies. The FCF funded coastal plants nursery at the Port Royal Marine Laboratory continued to provide seedlings to NGO and community based groups for coastal re-vegetation projects. The nursery completed a contract (worth ~ J\$500,000.) to re-vegetate the American Airlines crash site using 766 sand dune plants produced at the nursery.

On April 28, 2011 a Bermudian delegation visited the Port Royal Marine Laboratory as part of their UWI Mona Campus tour to explore placement of students; Bermuda having joined the UWI. The delegation consisting

of: Dame Jennifer Smith (former Premier and present Minister of Education - MOE), Mr. Warren Jones - Permanent secretary in the MOE, Ms. Kimberley McKeown- Policy Analyst in the MOE, Dr. Duranda Greene Principal of the Bermuda Community College, were hosted at the Port Royal Marine Laboratory and the Biodiversity centre.

Discovery Bay Marine Laboratory

In the 2010-11 academic year, the Discovery Bay Marine Laboratory (DBML) staff continued the thrust to improve the facility, the services offered and the scientific capability and output. The DBML has become the lead agency for dealing with Marine Invasive Species problems in Jamaica with the Lionfish Project led by Dr. Dayne Buddo, being the flagship of that research. Mr. Peter Gayle represented the UWI at the 35th meeting of the Association of Marine Laboratories of the Caribbean in Costa Rica which facilitated the confirmation of DBML as the site for the 36th scientific meeting of the Association of Marine Laboratories of the Caribbean in 2013.

Over the reporting year, DBML hosted nineteen schools and over 1000 school and college-based visitors. There was a 19.64% increase in visitors in the current year compared to last year. The course Diving Technology for Aquatic Scientists returned to DBML after several years absence with teaching during the second week of the course being provided by the DBML staff. Overseas visitors declined by 16% but five peer reviewed publications were reported by visiting scientists in 2010/11 based on research at the DBML. More than seventy youngsters benefited from our summer Eco-camp and their legacy of a mural with an environmental theme will enrich the learning experience of other visitors throughout the coming year.

The year saw the arrival of the eagerly awaited buoyed, *Integrated Coral Observing Network* (ICON) station, with its increased capacity to monitor tides, waves, currents and other parameters important to properly defining climate change factors. Final installation of this unit and uploading of data to the local CMS Data Archives as well as the regional NOAA-CREWS network of stations and data-set is expected before the end of 2011.

Over the year August 2010 to July 2011 there was a total of 1799 man dives carried out at the DBML. This represented an increase of 25% over the previous year's numbers. Seven SCUBA diving accidents were reported to DBML this year. Five were (successfully) treated in our Hyperbaric (Recompression) Chamber. The CMS was also successful in securing J\$12M from the Tourism Enhancement Fund to augment the UWI resources allowing us to place an order for a new multi-place Hyperbaric Chamber to replace the present 36year old DBML unit. To this end, much of our training activities were geared towards the certification of an operational team for this unit which is expected by December 2011.

Staff developments and Research activity highlights

The 2010/11 academic year saw two members of academic staff (Drs Karl Aiken and Eric Hyslop) embarking on sabbatical leave, while we welcomed back Professor Phyllis Coates-Beckford and Dr Byron Wilson from sabbatical.

The DLS was proud to have six staff members receiving awards at the Principal's research Day awards ceremony in January 2011. These were as follows:

- **Professor N. Benkeblia** - Most outstanding researcher.
- **Drs Eric Garraway and Dwight Robinson** - Most outstanding research activity (along with Dr Trevor Yee and Chara Watson from Natural Products Institute) and Nemoi Chisholm also from Life Sciences.
- **Drs Byron Wilson and Kurt McLaren** - Research project attracting the most research funds
- **Dr. Mona Webber** - Project with the greatest business/economic/development impact.

Dr. Nureddine Benkeblia was promoted to the rank of Professor during the 2010/11 academic year and **Professor Dale Webber** was appointed to the James S. Moss Solomon Sr. Chair in Environmental Management. Professor Webber is therefore on secondment for three years as Director of the Environmental Management Unit at the Mona Campus and

continues as Director of the Centre for Marine Sciences, Department of Life Sciences, Mona Campus.

Research Output

In 2010-2011 the research output of the department consisted of 25 referred publications, 17 conference presentations and 6 non-refereed articles/technical reports. The crude average, based upon 16 academic staff at Mona and 4 at Principal Scientific Officer level or above, a total of 20 staff, gives 2.4 publications per staff member when all categories of publications are considered (total = 48). This is a little higher than the 1.85 recorded in 2009/10 and the research output in terms of refereed journal papers of 1.15 in 2009/10 has also shown a slight increase to 1.3 in 2010/11. The number of conference presentations increased significantly over the previous year (from 8 in 2009/10 to 17 in 2010/11).

Outreach Activities

In addition to participation in visits to High Schools and Career expos to promote the programmes available at the University, the Department participated in, and showcased its research at a number of important expositions and fairs in 2010/11. The Department of Life Sciences (DLS) was a significant contributor to UWI Tent display at the August 2010 Denbigh Agricultural show. The Department presented agriculture and fisheries related research from projects on-campus as well as from the two marine laboratories, thus occupying 9 of the 22 booths in the UWI display. DLS/CMS and the Marine labs contributed to the UWI Green Expo display which won the award for most attractive display in the NGO category. The DLS, through the Port Royal Marine Laboratory participated in the UDC environmental fair held at Two Sisters' Cave, Hellshire October 7, 2010, World Wetlands Day, February 2, 2011 and the EFJ Earth Day celebrations held at Devon House on April 16, 2011.

Achievement of Targets

The following targets were set at the start of the 2010/11 academic year:

- To conduct the complete reform of the entire advanced programme in the DLS.

- To review and revise the existing MSc Graduate programmes so as to improve teaching and learning as well as income generation.
- To improve the quality of the infrastructure and increase space in the DLS for the delivery of quality teaching and research.
- To increase the quantity and quality of staff publications.
- To continue to conduct research of national importance and ensure that the general populace is made aware of its significance by engaging in outreach activities.

This report has indicated that these have been achieved, or partially achieved. The business of curriculum reform of the advanced programme is half way to completion, the taught graduate programmes have been reviewed and many infrastructural improvements have been undertaken or initiated.

The targets for 2011/12 therefore are:

- To complete the reform of the Undergraduate curriculum with Level 3 courses being reviewed.
- Review the MPhil and PhD graduate programmes so as to improve the quality of the experience for students and through-put.
- To revive the annual staff review process with emphasis on the goal setting sections, and focus on specific goals in the areas of research (especially in areas of national relevance), publications and grant acquisition.
- To improve collegiality through facilitating visiting colleagues from other universities and increasing the numbers of seminars, workshops and research presentations held in, or facilitated by the Department

PAPERS PRESENTED

- Meggs, L. Steele, R.D. **Aiken, K. A.** 2010. “Settlement patterns of Caribbean spiny lobster (*Panulirus argus*) in Jamaican waters and observation of growth in captivity.” 63rd Annual meeting of Gulf and Caribbean Fisheries Institute in San Juan, Puerto Rico.
- **Gayle, P.** Charpentier, B. Spence, O. 2011. “Assessing the health status of a coastal habitat: Priorities for impact mitigation and ecosystem restoration.” 35th Annual AMLC Scientific Meeting, Costa Rica.
- Baker K, Smith V, Waugh C, Lopez V, Eyle S, Condappa K, Johnson J, Lindo J, and **Robinson RD.** (2010). “A survey of the parasitic fauna, and feline leukemia (FeLV) and immunodeficiency viruses (FIV) in ten feral cats in Jamaica.” Caribbean Veterinary Medical Association 16th Meeting, November 3-6, 2010, Ocho Rios, Jamaica.
- **Robinson RD** (2010). “Rat Lungworm: an emerging infection in Jamaica.” Caribbean Veterinary Medical Association 16th Meeting, November 3-6, 2010, Ocho Rios, Jamaica.
- **Robinson RD** and **Wilson BS** (2011): ‘Protection of the environment, the biosphere, and Biodiversity’ (*Article 17: UDBHR, 2005*). 2nd UNESCO training for the National Bioethics Committee of Jamaica “*Bioethics: Principles and Practices*”. April 4-9, 2011. Ocho Rios, Jamaica.
- **Webber, D.F.** “Advanced Materials for Improving Environmental Sustainability (MDG 7).” Advanced Materials: Helping to achieve Millennium Development Goals August 15-19, 2010, Ocho Rios, Jamaica.
- **Webber, D.F.** 2010. “The role of the UWI in a Caribbean at environments crossroads”. World Association Sustainable Development 8th International Conference November 22-25, 2010. St. Lucia. Towards Epistemic Sovereignty: (Re)-thinking Development in a Changing Global Political Economy.

- **Webber, D.F.** 2011. “Coastal and Marine Ecosystems: Research possibilities, knowledge gaps and relevance in research”. Eucarinet/Enlace Thematic conference for the EU Framework 7. April 2011. Santo Domingo, Dominican Republic.

Papers presented at 28th International Horticultural Congress, 22-27 August, Lisbon, Portugal.

- **Benkeblia, N.** 2010. “Role of horticulture in agriculture development and food security in Jamaica.” (Oral)
- Emanuel, M. A. and **Benkeblia, N.** (2010). “Variation of color, reducing and total sugars, total Phenolics and chlorophylls in carambola (*Averrhoa carambola*) during five “on tree” ripening stages.” (Poster).
- **Benkeblia, N.** (2010). “Accumulation of total and reducing sugars in the green leaves and bulb tissues during growing and bulbing of onion (*Allium cepa* L.).” (Poster).
- Emanuel, M. A., **Robinson, D.** and **Benkeblia, N.** (2010). “Biodiversity comparison of conventional and fair trade banana farming agricultural systems in Dominica.” (Poster).

Papers presented at 1st International Symposium on Tropical Horticulture, 22-26 November, Kingston, Jamaica.

- Steen, S, **Cohen, J. E.** and **Benkeblia, N.** (2010). “Effects of the plant growth regulator “Stimulate” on the reproductive characteristics of tomato cultivated in greenhouse and open field in the tropics.” (Oral).
- Emanuel, M. A. and **Benkeblia, N.** (2010). “Processing of ackee fruit (*Bhligia sapida* L.): Present and future perspectives.” (Oral).
- **Boyd, F. A. H.** and **Benkeblia, N.** (2010). “A Description of the floral biology operative within *Pimenta dioica* (L.) Merr.” (Poster).

- Emanuel, M. A. and **Benkeblia, N.** (2010). “Variation of reducing and total sugars, total phenolics content and chlorophylls in June Plum (*Spondias dulcis*) during “on tree” ripening.” (Poster).
- Emanuel, M. A. and **Benkeblia, N.** (2010). “Variation of color, total and reducing sugars in “cheese” and “butta” ackee (*Blighia sapida*) varieties during five “on tree” ripening stages.” (Poster).
- **Boyd, F. A.H.** 2010. “Investigation of the antibacterial potential of selected plants on a Gram Positive bacterium.”
- McLymont, P. and **Cohen, J.** 2010. “Flowering and fruit characteristics of Jamaican pomegranate (*Punica granatum* L.) and its vegetative propagation.”

PUBLICATIONS

Books and Monographs

- * **Benkeblia, N.** 2011. Proceedings of the First International Symposium on Tropical Horticulture. *Acta Horticulturae* 894. ISHS, Leuven, 272 p.
- * Lazar, E. E. and **Benkeblia, N.** (Editors). 2010. “Environmentally friendly alternatives for maintaining postharvest quality or controlling decay.” *Stewart Postharvest Review*, Issue 3(4).
- * Nakamura, T., Okazaki, K., **Benkeblia, N.**, Wasaki, J., Watanabe, T., Matsura, H., Uchimiya, H., Komatsu, S. and Shinano, T. 2010. “Metabolomics Approach in Soybean. In: Genetics, Genomics, and Breeding of Soybean.” Bilyeu K, Ratnaparkhe M. B and Kole C (Eds.). CRC Press, Boca Raton, FL, pp. 313-330.
- * **Creary, M. C.** 2010. “Food from the Sea” In McIntosh, C. (Ed.) Agriculture, Food and Health Challenges: Critical issues, perspectives and options. IICA, CTA- Port of Spain: IICA, 2010. 134 p. ISBN13:978-92-9248-161-2

- * Lindo J.F., Waugh C., Todd C., Brown P., and **Robinson R.D.** 2010. "The emergence of *Angiostrongylus cantonensis* as a cause of eosinophilic meningitis in Jamaica: Progress and pitfalls." *In: Angiostrongylus and angiostrongyliasis – Advances in the disease, control, diagnosis, and molecular genetics.* P. Eamsobhana (ed.) pp. 27-31. Wattanakij Panich Press, Bangkok.
- * Oliver J.E., **Tennant P.F.** and Fuchs M. 2011. "Virus-resistant transgenic horticultural crops: Safety issues and lessons from risk assessment studies." *In: Transgenic horticultural crops: Challenges and opportunities - Essays by experts,* Mou B and Scorza R (Eds). CRC Press, Taylor and Francis Group, Boca Raton, FL. pp 264-288.
- * **Wilson, B.S.** 2011. "Conservation of Jamaican amphibians and reptiles." Pages 273-310 *In* A. Hailey, B. S. Wilson, and J. A. Horrocks (eds.), Conservation of Caribbean Island herpetofaunas. Brill, Leiden.
- * Hailey, A., **B. S. Wilson,** and J.A. Horrocks (eds.). 2011. Conservation of Caribbean Island herpetofaunas. Volume 1: Conservation biology and the Wider Caribbean. Brill, Leiden.
- * Hailey, A., **B. S. Wilson,** and J.A. Horrocks (eds.). 2011. Conservation of Caribbean Island herpetofaunas. Volume 2: regional accounts of the West Indies. Brill, Leiden.

Refereed Research and Review Articles

- * Smikle, S.G., Christensen, V. and **Aiken, K.** 2011. "A review of Caribbean ecosystems and fishery resources using ECOPATH models." *Études Caribéennes* 15: 1-14.
- * **Benkeblia, N.** and Shiomi, N. 2010. "Variation of fructooligosaccharide contents, invertase, 1-KHE, 1-SST, 1-FFT and 6G-FFT activities in green asparagus spears stored at 10 °C." *Acta Horticulturae* 877: 1309-1316.

- * **Benkeblia, N.** 2010. "Determination of respiratory parameters of onion bulbs (*Allium cepa* L.) under total anoxia." *Acta Horticulturae* 876: 351-354.
- * **Boyd, F. A. H.** and **Benkeblia, N.** 2011. "A Description of the floral biology operative within *Pimenta dioica* L. (Merr)." *Acta Horticulturae* 894: 83-88.
- * **Rose, P.** and **Benkeblia, N.** 2011. "Plants of horticultural importance in Jamaica and the Caribbean region: Botany and distribution." *Acta Horticulturae* 894: 57-64.
- * Steen, S.; **Benkeblia, N** and **Cohen, J.** 2010. "Effects of the plant growth regulator, Stimulate™, on some postharvest qualities of tomato grown in greenhouses in Jamaica." *Acta Horticulturae* 877: 275-278.
- * Ishiguro Y., Ueno K., Onodera S., **Benkeblia N.** and Shiomi S. 2011. "Effect of temperatures on inulobiose and inulooligosaccharides in burdock roots during storage." *Journal of Food Composition and Analysis* 24: 398-401 (IF: 2.423)
- * Lazar, E.E., Jobling, J.J. and **Benkeblia, N.** 2010. "Postharvest disease management of horticultural produce using essential oils: today's prospects." *Stewart Postharvest Review* 3: 15-24. doi: 10.2212/spr.2010.3.15.
- * Fermin, G. and **Tennant, P.** 2011. "Opportunities and constraints to biotechnological applications in the Caribbean: transgenic papayas in Jamaica and Venezuela." *Plant Cell Reports* 30: 681-687.
- * Fisher, L. Bennett, S. **Tennant, P.** McLaughlin, W. 2011. "Detection of Citrus tristeza virus and citrus viroid species in Jamaica." *Acta Horticulturae* 894: 117-122.
- * Rose, P. E., **Webber, D.F.** Commock, T. 2010. "The use of open source technologies in developing botanical databases." *Acta Horticulturae* 894: 153-159.

- * Trench, C. and **Webber, M.K.** 2011. “Nursery Propagation of Jamaican Coastal Forest Species.” *Acta Horticulturae* 894:185-190
- * Bennett, C.E., **Wilson, B.S.**, and R. DeSalle. 2011. “DNA barcoding of an invasive mammal species, the small Indian mongoose (*Herpestes javanicus*; E. Geoffroy Saint-Hillaire 1818) in the Caribbean and Hawaiian islands.” *Mitochondrial DNA* 22:12-18.
- * **McLaren, K.**, Levesque, M., Sharma, A., **Wilson, B.**, and M. McDonald. 2011. “From seedlings to trees: using ontogenetic models of growth and survivorship to assess long-term (>100 years) dynamics of a neotropical dry forest.” *Forest Ecology and Management* 262:916-930.
- * Newman, M.E., **K.P. McLaren** and **B.S. Wilson**. 2011. “Comparing the effects of classification techniques on landscape level assessments; pixel-based versus object-based classification.” *International Journal of Remote Sensing* 32: 4055-4073.

Technical reports and Non-refereed Articles

- * Passerley, D.; **Aiken, K.** and Perry, Giselle-Ann. 2011. Characterization of the Jamaican Spearfishing Sector. Proceedings of the Gulf and Caribbean Fishery Institute 62: 235-240.
- * **Buddo, D.** 2010. “Expansion, consolidation and strengthening of marine protected areas network in the organization of eastern Caribbean states” - Report to TNC. 172 pp.
- * **Creary, M.** 2011. Coral Reef Monitoring for the Organization of Eastern Caribbean States and Tobago: Status of the Coral Reefs of Tobago 2009-2010. Mainstreaming Adaptation to Climate Change (MACC) Project. CCCCC, Belize. 23pp
- * **Gayle, P.** 2010. ‘Marine resource enhancements’ – Report to IICA/IJAP/CMS 222 pp.

- * **Gayle, P.** Greenaway, T, Small, H. 2011. “A Rapid Environmental Assessment of Discovery Bay, Jamaica” – Report to Noranda Jamaica Bauxite Partners. 69 pp.
- * **Tennant P,** Fisher L, McLaughlin W (2010) “Disease-resistant transgenic crops: priorities and strategies for the Caribbean.” <http://knowlw-edge.cta.int/en/Dossiers/S-T-Issues-in-Perspective/Biotechnology/Articles/Disease-resistant-transgenic-crops-priorities-and-strategies-for-the-Caribbean>.

INCOME GENERATION

Dr. Karl Aiken

J\$1,000,000 from the Fisheries Management & Development Fund - 22 November 2010, for undertaking a follow-up study on the spearfishing industry of Jamaica.

Dr. Mona Webber

Environmental Foundation of Jamaica – **J\$5,471,550.** with Co- PI **Mr Hugh Small:** Baseline surveys of vulnerable and impacted mangrove forest areas around Jamaica with emphasis on areas associated with fish sanctuaries.

UWI-Mona Campus Research Fellowship grant – **J\$3,900,000.** with **Dr Gale Persad:** A comprehensive survey of ichthyoplankton in Jamaican waters: Are our Marine Protected Areas (MPAs) protecting our juvenile stocks?

UWI-Mona Campus Research & Publications grant – **US\$5,235** for the project. A comprehensive survey of ichthyoplankton in areas designated as fish sanctuaries.

Dr. Byron Wilson (J\$4,802,500.)

Mohamed bin Zayed Conservation Fund (**US\$4,000;** Co-PI with I. Holmes); Conservation of Jamaican amphibians.

Miami Metro Zoo (**US\$5,000**; Co-PI with I. Holmes); Conservation of Jamaican amphibians.

Anonymous Foundation (**US\$45,000**; through the International Iguana Foundation, with Co-PI R. Hudson): Conservation of the Jamaican Iguana.

Fort Worth Zoo (**US\$2,500**; Co-PI with I. Holmes): Conservation of Jamaican amphibians.

The **International Coral Observatory network (ICON) station** was 80% funded by the Caribbean Community Centre for Climate Change (CCCC/5Cs) who provided **US\$110,000** for its purchase and installation at the Discovery Bay Marine Laboratory. The ICON station will provide a full suite of atmospheric and water quality data which will be retrievable via satellite.

Departmental Income Generating Activities

Activity/Programme	Income (J\$)
Lab Space Rental	185,000.00
Sale of Lab Manuals	935,000.00
Summer School	6,212,000.00
DLS Consultancy	527,056.00
Port Royal Consultancy (BDC)	2,249,745.75
Documentation Centre	388,294.00
MSc Programmes: MaTE	4,540,478.00
PPP	6,554,585.00

PUBLIC SERVICE

Dr Karl Aiken

- Member, Board of Directors & Chair, Caribbean Maritime Institute (CMI), Academic Council

- Member, CITES Scientific Authority of Jamaica
- Member, Fisheries Advisory Board of Ministry of Agriculture & Fisheries
- Board Member & Chair, Fish Sanctuaries sub-committee

Dr. Nouredine Benkeblia

- Member, Editorial Board of the Journal: Recent Patents on Food, Nutrition & Agriculture Bentham Publisher
- Member, Serial Editor of Potato Issues & Serial Editor of Citrus Issues – Global Science Publisher
- Chairperson, **SERT** (Roots and Tubers Section), International Society for Horticultural Science
- Editor, *Agricultural Science Research Journal*
- Member, Editorial Board, *Journal of Food Technology & Processing*.

Mr. Frederick Boyd

- Member, Standards Subcommittee, Jamaica Organic Agricultural Association (JOAM)
- External Examiner, Joint Board of Teacher Education (JBTE).

Dr. Dayne Buddo

- National coordinator, Marine Invasive Group NEPA

Dr Jane Cohen

- Member and Deputy Chair, Scientific Authority (CITES) of Jamaica
- Member, Alien Invasive Species Working Group of Jamaica

Ms. Marcia Creary

- President, Jamaica Institute of Environmental Professionals.
- Member, International Society for Reef Studies.
- Member, Caribbean Academy of Sciences.
- Node Coordinator, Northern Caribbean and Western Atlantic Node, Global Coral Reef Monitoring Network (GCRMN)
- Focal Point, Jamaica Coral Reef Monitoring Network (JCRMN)

Mr. Peter Gayle

- Member, Diving sub-group of the working group on Fisheries Management and related matters of the National Council on Oceans and Coastal Zone Management.

Dr. Eric Garraway

- Member, Advisory Board, National History Division, Institute of Jamaica
- Advisor, Vincentian Students Association
- Member, Association of Tropical Lepidoptera
- Member, Natural History Society of Jamaica

Dr. Eric Hyslop

- Member- CXC Subject panel in Biology.
- Jamaica Clearing-House Mechanism Steering Committee, Institute of Jamaica.

Dr. Kurt McLaren

- Member of the Board - Forestry Department.

Dr. Dwight Robinson

- Chairman, Jamaica Organic Agricultural Association (JOAM)
- Chairman, National Organic Agriculture Steering Committee , Ministry of Agriculture
- Member, Board of Directors - Greencastle Tropical Study Centre, St. Mary
- Member, National coordinating committee for Agricultural Research and Development, Jamaica.

Professor Ralph Robinson

- Member, Board of Directors, Jamaica Agricultural Development Foundation
- Member, National Committee to Develop Guidelines for the Aquaculture Industry in Jamaica
- Member, National Shrimp Aquaculture Policy Sub-Committee
- Scientific Member, The National Bioethics Committee of Jamaica

Dr. Paula Tennant

- Member, Caribbean Academy of Sciences, Jamaica Chapter.
- Member, Jamaica Society of Scientists and Technologists.
- Member, American Phytopathological Society.

Dr. Kisan Vaidya

- Member, Gene Bank Committee, Jamaica
- Member, Review Committee, *Jamican Journal of Science and Technology*

Professor Dale Webber

- Chairman, CXC panel on CAPE Environmental sciences
- Chairman and NGO Member, Board of Directors, Environmental Foundation of Jamaica.
- Member, National council on Ocean and Coastal Zone Management (NCOCZM) Ministry of Foreign Affairs and Foreign Trade.
- Chairman, CL Environmental Company Limited

Dr. Mona Webber.

- Member, CITES (Committee for the International Trade of Endangered Species) Scientific Authority of Jamaica.
- Member, National Ramsar committee, NEPA.
- Member of the Caribbean Academy of Sciences, Jamaica Chapter.
- Member of the Association of Marine Laboratories of the Caribbean.
- External Examiner, University of Technology BSc Degrees in Biological Sciences

Dr. Byron Wilson

- Chairman, National Iguana Conservation group
- Member, Working Group on Invasive Species, NEPA
- Member, IUCN SSC Iguana Specialist Group
- Member, IUCN SSC Amphibian Specialist Group

STUDENTS

Class of Degrees	
I	2
II i	7
II ii	52
Pass	32
Total	93

Types of Degrees 2010/2011 Graduates		
1	Botany Major	7
2	Zoology Major	13
3	Marine Biology Major	10
4	Experimental Biology Double Major	26
5	Environmental Biology Double Major	33
6	Biology with Education	1
7	Microbiology Major	3
	Total	93

Departmental Prizes

Don Skelding Prize for the best Preliminary level student –

Mr. Dexter Colquhoun

Devi Persad Prize for the best Plant Diversity student

Ms Shanique Jones

Avinash Potluri Prize for the best student in Animal diversity

Ms Patrice Grandison

Sasikala Potluri Prize for the best Seed Plant student

Ms Kerri-Ann Guyah

Lloyd Coke Prize for the best Plant Physiology student

Ms Nasheika Guyah

Vincent Hugh McKie Prize for the best 2nd year Zoology student

Mr. Canute Ricketts

Charlotte Goodbody Prize for the best 1st year student

Mr. Dervin Grant

Ivan Goodbody Prize for the best student to do Marine Biology

Ms Jenise Tyson

The last two Departmental prizes were awarded for the first time in 2010/11 through funds provided by retired professor, Ivan Goodbody.

DEPARTMENT OF MATHEMATICS

Professor Alexandra Rodkina, MPhil, PhD *Kiev*, DSc *Moscow*
– Head of Department

HIGHLIGHTS

As at July 2011, the teaching staff of the Department of Mathematics comprises of 1 Professor, two senior lecturers, six lecturers, and three assistant lecturers. Among them we have six members of staff with PhDs (one , in addition to PhD, has a Higher Doctorate degree), one person is a Fellow of the Canadian Institute of Actuaries, and a Fellow of the Society of Actuaries, and one person is a Fellow of Institute of Actuaries (UK).



This year (2011/2012), for the first time, students at this level will be required to read 3-credit courses as stipulated by the Faculty in their curriculum reform. To move on to level-two Mathematics, students will be required to be successful in four specified courses: MATH1141 (for all FPAS students), MATH1142, MATH1151 and MATH1152. Two to be taken in each semester. In addition to these courses, the Department will be offering first year courses tailored to the needs of the Physics and Chemistry Departments. In particular, MATH1185 was designed and will be adopted by students wishing to pursue Chemistry and/or Physics. To further service the Faculty of Pure and Applied Sciences, we will be offering a first year statistics course, STAT1001. This course will be open to all students in the faculty wishing to pursue some statistics. The Department is also in the process of establishing connection with the business sector in particular, to create internships for the Actuarial programme. We have also obtained and installed mathematical software in the students' computer lab such as Maple, LaTeX and "R".

We have submitted the second level 3-credit courses for approval and they should be taught starting September 2012.

As long as our staff-complement remains and the student numbers continue to increase, we are stuck in a less than desirable position with higher than acceptable students to staff ratios. Recently, the Department tried to address this problem at level one by introducing a new (third) stream. The current average ratios for Semester I from level zero to level three are 1:114, 1:89, 1:94 and 1:87 respectively. For Semester II the current average ratios from level zero to three are 1:94, 1:87, 1:84 and 1:39 respectively.

At our recent Departmental Retreat, it was decided that the major should be reduced to 36 minimum credits from 60 minimum credits, based on the Faculty's new curriculum reform.

During the years 2006-2011, a high level of research activity was sustained within the Department of Mathematics at the University of West Indies.

There are three well developed areas of research in the department: Stochastic Analysis, Physiological fluid dynamics and Mathematical physics. In addition, some research has been done in Statistics and Actuarial Science.

The research of the department was recognized by substantial support from the UWI New Initiative Programme and Mona Research Fellowship. Additional external research support came from UNESCO, London Mathematical Society and Canada-CARICOM Leadership Programme.

SUMMER SCHOOL

The department offered fifteen courses for summer of 2011; three of which were for students doing exams only. Overall, we had a successful summer school.

SEMINARS

The department hosted a number of seminars during the academic year 2010/11. In November 2010, at the invitation of Dr. Davide Batic, two international seminars were held. Professor Marek Nowakowski Departamento de Fisica, Universidad de los Andes, Bogota D.C., Colombia and Prof. Neelima Kelkar Departamento de Fisica, Universidad

de los Andes, Bogota D.C., Colombia presented on the following topics respectively: “Spontaneous decay of matter in quantum mechanics” and “Quantum Clock of Radioactive Decay”.

OUTREACH

The department continues in its external outreach activities. The CSEC workshops were arranged for students sitting the regional examinations. The outreach programme is not limited to local high schools but include those in the western parts of the island. The Department conducted workshops at the William Knibb High School and students from neighbouring schools participated. Other outreach activities were conducted at events such as UTECH Career Fair, St. Andrew High School for Girls Career’s Day Expo and at the Denbigh Agricultural Show where the department was showcased.

MATHEMATICS BRIDGING PROGRAMME

The Mathematics Bridging Programme has been set up to improve the mathematical skills of students entering the faculty. It is structured to give students a self-paced non-traditional experience in a small group setting.

This year the number of students registered for the programme is 36, one more than last year. The Bridging programme is scheduled for eight weeks in semester 1 starting the third week of the new academic year. Students are required to spend two hours per week in a self-directed learning experience with qualified tutors. At the end of the programme, students will have a clearer understanding of the course and the programme and are encouraged to get further assistance through independent study.

For participants who sat the entry and exit diagnostic tests for the programme, the average improvement in the exit test was 74% of their score upon entry.

MATHEMATICAL OLYMPIAD

The Department of Mathematics ran the annual Mathematical Olympiad project for two years. In 2010-2011 academic years the Mathematical

Olympiad was sponsored by Sterling Asset Management Limited, University of the West Indies, Mona and several other companies.

In 2011, the department ran the Vivian Rochester Junior Mathematical Olympiad, which was sponsored by University of the West Indies and the Insurance Association of Jamaica (IAJ). A total of 380 students in Grades 4, 5 and 6 took up this challenge.

After assessing the Qualifying Round scripts the best performers were invited to participate in the First Round examination. A total of 229 students from 17 schools sat this exam. After completing the competition, the Department of Mathematics determined the National Mathematical Champions for each Grades 4, 5 and 6.

RESEARCH DAY

Research Day 2011 was filled with activities. The Mathematics Department hosted a math competition, where we had spot quizzes, prizes and a slide show. The winners were recognised at the booth.

PAPERS PRESENTED

Special Presentation

Prof. Alexandra Rodkina

- “Discretized Ito Formula and Stability of Stochastic Difference equations”, Probability Seminar, Texas A & M University, U.S.A., 2011.

Conference Presentation

Dr. Conall Kelly

- “Destabilising effects in linear stochastic systems and the theta-Maruyama method”, The International workshop “Progress on Difference Equations”, May 2011, Dublin City University, Ireland.

Prof. Alexandra Rodkina

- “Application of Discretized Ito Formula to Stability of the Systems of Stochastic Difference equations”, The International workshop “Progress on Difference Equations”, May 2011, Dublin City University, Ireland.

Dr. Nagarani Ponakala

- with Nagarani P, and Sebastian B. “Effect of Flow oscillation on dispersion of solute in a tube”. The International conference on Applied Mathematics, Modelling and Computational Science, July 25-29, 2011, Waterloo, Canada.

PUBLICATIONS

Refereed Journals

- * Appleby, J.A.D., **Kelly C.** and **Rodkina A.** “On the use of adaptive meshes to counter overshoot in solutions of discretised nonlinear stochastic differential equations”. *International Journal of Difference Equations* 5, (2010), 129-148.
- * Appleby, J.A.D. Guzowska, M., **Rodkina A.** and **Kelly C.** “Preservation of positivity in the solution of discretised stochastic differential equation”. *Applied Mathematics and Computation* 217, (2010), 763-774 (IF=1.534).
- * Buckwar, E. and **Kelly C.**, “Towards a systematic linear stability analysis of numerical methods for systems of stochastic differential equations”. *SIAM Journal on Numerical Analysis* 48, (2010), 298-321 (IF=1.632).
- * Arunaye, F.I., Bhatt B.S. and **Nagarani P.**, “On the solution of the convective-diffusion equation”. *International Journal of Pure and Applied Mathematics* 68 (2011), 37-53.
- * Arraut Guerrero, I., **Batic D.** And Nowakowski M., “Velocity and velocity bounds in static spherically symmetric metrics”. *Central European Journal of Physics* 9, (2011), 926-938 (IF=0.691).

- * **Batic D.**, Kelkar N and Nowakowski M., “Comment on Quasinormal modes in Schwarzschild-de-Sitter spacetime: A simple derivation of the level spacing of the frequencies”. *Physical review D* 83, (2010), 108501-04, (IF=4.964).
- * **Batic D.**, Chin D. And Nowakowski, M. “The repulsive nature of naked singularities from the point of view of Quantum Mechanics”. *European Physics Journal C* 71, (2011), 1624-31, (IF=3.248).
- * Angulo Santacruz, C., **Batic D.** and Nowakowski M., “On the existence of the Schwarzschild spacetime inspired by noncommutative geometry”. *Journal of Mathematical Physics* 51, (2010), 022503-20 (IF=1.291).
- * **McDaniel S.A.**, and Cai T., “Assessing Population Level Genetic Instability via Moving Average”, *Statistics in Biosciences* 2, (2011), 120-36, (IF=0.000).

Referred Conference Proceedings

- * Appleby J.A.D., McCarthy **M.**, **Rodkina A.** “Exact growth rates of solutions of delay dominated differential equations”, Vol. Proceedings of Neural, Parallel and Scientific Computations **IV**, (2010), 37-42.
- * Appleby, J.A.D., Cheng J., and **Rodkina A.**, “The split-step Euler-Maruyama method preserves asymptotic stability for simulated annealing problems”, Vol. Proceedings of Neural, Parallel and Scientific Computations IV (2010), 31-36.

Books and Chapters in Books

- * **Kelly C.**, and **Rodkina A.**, “On Stochastic Difference Equations and Applications. In the electronic book Springer Encyclopaedia of Statistics (2010).
- * **McDaniel S.** “CAPE-ONE Mathematics (Module 01), Academic Solutions (2010)”. ISBN: 978-976-95315-0-5.

- * **McDaniel S.**, “*Cue Cards and Multiple Choice Questions for CAPE-ONE Mathematics, Academic Solutions (2010)*”, ISBN: 978:97695315-1-2.

FUNDING OF RESEARCH

The UWI New Initiative Grant for project titled “*Mathematical aspects of quantized spacetimes*” was given a grant of JMD 1,153,989.00 to **Dr. Batic**. The project started September 1, 2011 and ends August 31, 2012.

External support of GBP 2,500 was given to Dr. C. Kelly for Project titled: “*Interaction of drift and noise structures in systems of stochastic ordinary differential equations arising from the spatial discretisation of stochastic partial differential equations: implications for numerical methods*”, May 16 - June 24, 2011.

Canada-Caricom Leadership Scholarships Program supported a research visit of Prof. A.Rodkina to the University of Calgary, August 2010 and was given a grant of CAN\$3,000.

STUDENTS

The department has recognised outstanding students’ achievement. Two undergraduate students - Mr. Dujon Dunn and Mr. Everett Moseley participated in a Mathematics Competition and were awarded prizes that were presented to them at the annual Research Day. Scholarships were awarded to outstanding students in Academics achievements as follows:

Merville Campbell Prize for Level I and Level II

Timar Jackson
Tashi Fung

The Harold Chan Scholarship in Mathematics

Runako Williams

University Lodge/Leslie Robinson Prize

Mr. Donald Burrell

Actuarial Society Awards

Johnathan Craig
Tashai Fung

Information on Students

This year 52 students will be graduating with a major offered by the Department. The following data provides a breakdown by major:

Major	No. of Graduates
Mathematics	7
Actuarial Science	35
Mathematics with Education	1
Mathematics with Economics	9

The following table indicates the number of Mathematics students registered by level and programme:

Levels	Mathematics	Actuarial Science	Math with Education
Preliminary Level	265	-	-
Level 1	335	127	3
Level 2	174	57	2
Level 3	33	38	2

Graduate Programmes

MSc Mathematics

The MSc Mathematics was restarted as a part-time 2-year programme in Semester 2 of 2009/10. Thirteen registered students are currently on the books. At the time of writing, applications are being accepted for new intake in Semester 1, 2011/2012, after which it is anticipated that the programme will run every 2 years.

MPhil/PhD

The department currently has 2 registered students for MPhil and PhD with 3 more to start in September 2011.

DEPARTMENT OF PHYSICS

Michael A. Taylor, BSc, MPhil, UWI, PhD U of Maryland, College Park
– Head of Department

The Department has completed year 3 of its 5 year Strategic Plan. The strategy is premised on a focus on Pure Physics and five Applied Physics areas - Electronics , Alternative Energy, Environmental Physics, Medical Physics, and Materials Science. Within this context , the year was particularly notable for the strides made in Curriculum Reform and Teaching, Research and Public Service and Outreach.



Curriculum Reform and Teaching: The second year of the BSc in Electronics Engineering was completed. At its core is a revised 3-credit Electronics Programme which also serves the Department's major. During the year, the Department sought and received approval for the Final Year of the Engineering programme, as well as new Preliminary and Introductory programmes consisting of six 3-credit courses for each year. The Department also proposed a new structure for the Advanced Physics and Applied Physics Programmes premised on (i) five thematic areas, (ii) a common physics core in each major, (iii) a simplification of student choices, (iv) 3-credit courses, (v) new laboratory courses, and (vi) an expanded credit requirement for majors and minors. The upcoming Year will see the Department obtaining appropriate permissions for the newly structured programme.

Student satisfaction with teaching remains high with 41 of 45 Student Assessments of Lecturers being above 4. Four Lecturers (Professor Anthony Chen, Mr. Victor Douse, Mr. Samuel Daniel and Mr. Ricardo Paharsingh) were awarded for Excellence in Teaching at the Annual Faculty Ceremony. At the end of the year Full Time Members of Staff numbered six. Four positions have been advertised and it is hoped that at least 2 will be filled for the start of the 2011/12 Academic Year.

Six students will graduate with First Class Honours, all of whom were 3 or 4 time members of the Physics Honours Society during the advanced part of their programme. The Society is serving as motivation for students to do well and orienting the best Undergraduate Students toward research through a 4 week Summer Research Internship offered by the Department. Two Physics Graduates (Javian Malcolm and Alyssa Morgan) were honoured for their outstanding academic performance at the Prime Minister's Youth Awards.

Research: Research in the Department centred on the five thematic areas. The Climate Studies Group continues to be a leader in the science of Caribbean Climate, while newer Research Groups in Alternative Energy and Medical Physics are gradually establishing themselves. Expected new hires in the upcoming year should enhance the work of the Department's Research Groups. New externally funded Research Grants (including in kind) totalled in excess of J\$15 Million Dollars and included the funding of a Research Fellowship position, and an Electronics Technology Innovation / Development Project valued in excess of J\$2 million. The latter Project emerged from an Undergraduate Electronics Project which was conceived to investigate fish kills in Black River, St. Elizabeth. A strategy to train and utilise both internal and Faculty funded personnel in securing grants has significantly increased the number of grant proposals being generated and submitted from the Department.

The Department produced 11 Peer Reviewed Publications representing 1.4 per Full-Time Member of Staff which is an increase over last year but still below the target of 2. Staff members and Graduate Students presented at nine Conferences, while 5 Graduate Students (Jayaka Campbell, Dale Rankine, Natalie McLean, Stephen Silvera, and Maurice Miller) were selected from competitive calls and provided with full funding to attend various International Training Workshops in their respective fields of study. Mr. Jayaka Campbell was also chosen as a 'Future Climate Change Scientist' and rewarded with an overseas trip to join other Young Scientists to provide recommendations for the Fifth Assessment Report of the Inter-governmental Panel on Climate Change (IPCC). Drs. Stephenson and Taylor and Graduate Students Jayaka Campbell and Rhodene Watson received a best Publication Award at the Annual Research Day Ceremony.

After taking in no Graduate Research Students last year, 5 Students began Research Degrees bringing the Graduate complement to 16. Two students (Dale Rankine and Roxann Stennett-Brown) received UWI Postgraduate Scholarships. Four students were awarded MPhil Degrees during the year. A cohort of 8 started the MSc in Digital Technology Programme, while 5 completed the Degree. A decision has been taken to suspend new intake into the programme for one year and to use the period to revise the course offering. A new Msc programme in Medical Physics was proposed and approved and is to take in its first cohort in 2012.

Outreach and Public Service: Approximately 1000 CAPE students from 27 High Schools participated in the Department's Annual CAPE Workshops, one day of which was held at the Western Jamaica Campus. Another 500 CSEC students from 21 High Schools participated in the 5th Form Field Trips hosted by the Department which exposed the students to interactive demonstrations, computer simulations and experiments related to their syllabus. A further 750 students from 17 Primary Schools participated in the "Science Is Fun" Field Trips hosted by the Department over one week. The year ended with planning for a Workshop for Physics Teachers entitled, "Good Practice in Physics Teaching", which was conceptualised by the Department and is being conducted in collaboration with the Ministry of Education, CXC and the NCB Foundation. The Department credits a discernible increase in the number of advanced physics students to efforts such as these.

Other Outreach Activities included the launch of the Galileoscope Project in conjunction with the Astronomical Association of Jamaica and the Ministry of Education. Under the Project 400 telescopes will be distributed to Primary and Secondary Schools. The Climate Studies Group, Mona, conducted Public Education Workshop, in the communities of Bunker's Hill, Trelwany and Woodford, St. Andrew.

The Mona Physics Alumni hosted a series of Physics Career talks for Undergraduate Students.

Efforts were also made to engage the public by positioning the Department as a centre of thought, discussion or training in select thematic areas. The Department hosted a seven part Public Lecture Series

entitled, “Climate Talks”, which saw partnerships with the Departments of Geography and Geology and Chemistry and the Public Affairs Section of the United States Embassy. There was also a three week Alternative Energy Workshop in partnership with Wigton Wind Farm, a One Day Workshop on Ballistics and Crime Solving in partnership with the Jamaica Constabulary Force (Forensics Laboratory), and a One Day Workshop on XRF and Spectroscopy technologies in conjunction with the International Atomic Energy Agency and the Department of History and Archaeology.

Members of Staff also served in various capacities on University, National and International Boards and Committees, and provided services to and on behalf of the University.

Milestones: Dr. Mitko Voutchkov, Senior Lecturer in the Department of Physics was promoted to the rank of Professor. Dr. Paul Aiken was promoted to Senior Member of the IEEE. Mr. Jayaka Campbell was appointed as a Junior Research Fellow. Dr. Michael Taylor was appointed to the International Science Panel of VAMOS/CLIVAR for a three year term. VAMOS/CLIVAR examines variability of the American Monsoon System and climate variability in the Intra-American Seas. Dr. Joseph Skobla (former Head of Department), Mrs. Jacqueline Lodenquai (Senior Laboratory Attendant) and Mr. Colman McLeish (Senior Laboratory Technologist) retired. Dr. Claude McNamarah left to pursue other opportunities. Professor Emilia Miliieva, Medical University, Plovdiv, Bulgaria also joined the staff as a Research Fellow in Medical Physics for the 2010/11 Academic Year.

Departmental Statistics

Total Student Registrations.

(Brackets indicate previous year totals. Years II and III include overlaps)

	Semester 1	Semester 2	Year Totals
Preliminary	73 (87)	53 (64)	126 (151)
Intro Physics	247 (207)	177 (145)	424 (352)
Intro Engineering	23 (17)	–	23 (17)
Intro Electronics	–	70 (46)	70 (46)
Year II	240 (172)	201 (143)	441 (315)

Year III	141 (108)	151 (162)	292 (270)
Totals	701 (591)	652 (560)	1353 (1151)

Postgraduate Student Enrolment

MPhil 13 students (F/T and P/T), PhD 3 students, MSc 16 students (all years).

MPhils awarded: **Chad Andrade, Jayaka Campbell, Cherri-Ann Scarlett, Rhodene Watson and Tatrice Bachelor.**

PAPERS PRESENTED

- **A. A. Chen:** Response to a Changing Climate: A Clearer and Cleaner Vision. UWI-COMSEC Conference, Kingston, Jamaica, February 18-19, 2011.
- **A. A. Chen:** Northern Caribbean Countries in a Changing Climate: Adaptation and Mitigation Opportunities, Northern Caribbean Conference on Economic Cooperation. Grand Cayman, December 2010.
- **A. Coy:** Computer Assisted Language Learning Aids, Biennial Conference on Education, June 15-17, 2011, Ocho Rios, Jamaica.
- **T. Kerr and L. Myers:** Fire Measurements derived from Microscopic Analysis of the Concrete Wall Boundaries in a Fire Compartment, Forensic Science Conference, Kingston Jamaica, January 2010.
- **R. Stennett-Brown, D. Amarakoon:** A Study of Climate Variability and its Impact on Dengue Fever and Respiratory Illnesses. The Caribbean Academy of Sciences 17th General Meeting and Biennial Conference, Antigua, November 12-14, 2010.
- **M. A. Taylor:** The Caribbean Modelling Initiative. Invited Presentation. 14th Session of the VAMOS panel meeting, Miami, Florida, March 25-26, 2011.

- **M. A. Taylor:** The Realities of Climate Change. Caribbean Agriculture Week Conference. Grenada, October 17-18, 2010.

PUBLICATIONS

Articles

- * **C. Andrade** and **P. Aiken**, 2010: The Era of Digital Technology. *Carib Explorer Magazine*, Vol. 1, Issue 3.
- * **C. McNamarah**, **A. Dunkley**, and **P. Aiken**, 2010: Harnessing the Energy of the Sun - Part 1. *Carib Explorer*, Vol. 1, Issue 3.

Peer Reviewed Papers

- * **Taylor, M. A.**, T. S. Stephenson, A. Owino, A. A. Chenand J. D. Campbell, 2011: Tropical Gradient Influences on Caribbean Rainfall. *J. Geophys. Res.* doi:10.1029/2010JD015580
- * L. Ngalamou and **L. Myers**, 2011: An Exploratory Method for Effective Deployment of Programmable Logic Controllers (PLCs). *WSEAS Transactions on Systems and Control*, Issue 1, vol. 6.
- * García, G., R. P. Suárez, B. L. Pedroso V. C. Cancino, D. B. Rouco, A. L. Lee, V. G. Velazco, T. S. Stephenson, **M. A. Taylor**, J. M. Spence, and S. Rossi, 2011: [The Caribbean] Regional Climates [in State of the Climate in 2010]. *Bull. Amer. Meteor. Soc.*, 92 (6), S161-S163.
- * L. Ngalamou and **L. Myers**, 2010: Combining Software Methods For the Effective Deployment of Programmable Logic Controllers (PLCs). *International Journal of Computer Science and Network Security*, Vol. 10 No.12 pp 134-146.
- * L. Ngalamou, M. George, and **L. Myers**, 2010: Hardware Implementation of the PCM Codec for VoIP Telephony. *International Journal of Engineering Science and Technology*, Vol. 2, Issue 10, 5052-5062.

- * L. Ngalamou and **L. Myers**, 2010: A PLC Database – A Selection Engine for the Effective Deployment of PLCs. *International Journal of Engineering Science and Technology*, Vol. 2, Issue 10, 5058-5068.
- * L. Ngalamou and **L. Myers**, 2010: A Software Approach for the Design of a Virtual Plant Generator. *International Journal of Computer Science and Network Security*, Vol.10, No.9, 48-56.
- * **M. Ponnambalam**, 2011: Effect of Damping on the Period of a Pendulum. *Bulletin of the Indian Association of Physics Teachers*, pp 4-6.
- * **M. Voutchkov**, E. Milieva, 2010: Development of in vivo bone lead measurement for assessment of long-term lead exposure. *West Indian Medical Journal*, Vol.59: (Suppl. 1-53), p.33.
- * E. Milieva, **M. Voutchkov**, 2010: Interaction of vanadium, chromium and zinc in dietary supplements for patients with diabetes mellitus; *West Indian Medical Journal*, Vol.59: (Suppl. 1-53), p.36.
- * F. Jacobs, M. Gossell-Williams, **M. Voutchkov**, 2010: Screening of dietary supplements in Jamaica using handheld x-ray fluorescence analyzer. *West Indian Medical Journal*, Vol.59: (Suppl. 1-53), p.40.

INCOME GENERATION

The MSc in Digital Technology Programme generated J\$2.8 million in fees and Summer School netted J\$1.2 million.

D. Rankine: Agricultural Adaptation to Climate Change : Assessing the Impact of Climate Change induced drought and CO2 fertilization on sweet potato yields in Jamaica and the Wider Caribbean. US\$3,400. UWI Research and Publication.

M. Miller: Network of gamma Ray Detectors for continuous monitoring and GIS mapping and of Gamma Ray Radiation for Jamaica. US\$1,637.19. UWI Research and Publication.

A. Dunkley: Electrical Characterisation of Dye-sensitized Solar Cells. US\$3,084.81. UWI Research and Publication.

R. Brown-Stennett: Paper at the Caribbean Academy of Sciences General Meeting and Biennial Conference. US\$1,257.41. UWI Research and Publication.

L. Myers and L. Clarke: Pollution Detection in a Moving Body of Water. US\$25,714.70. J. Wray and Nephew.

M. A. Taylor and D. R. Rankine: Incorporating Climate Change into Agricultural Planning – The Case of Sweet Potato. US\$7.5K. UWI and Caribbean Community Climate Change Centre (2011).

M. A. Taylor: Developing Regional Modelling Capacity in the Caribbean (2-year Research Fellowship position) J\$7.6 mil. CARIBSAVE. (2011)

PRIZES

Undergraduate prizes were awarded to:

Professor John Lodenquai Prize for Introductory Physics	– Celeste Sobion
Level II Departmental Prize	– Tamar Richards Ashleigh Chattoo
Francis Haddon Bowen Bursary	– Vincent Taylor
Michael Tharmanahthan Ponnambalam Bursary	– Everard Prout

PUBLIC SERVICE

Paul Aiken

- Chief Judge, National Schools Science Competition
- Vice Chair, IEEE-Jamaica Section
- Engineering Programme Evaluator, Caribbean Accreditation Council for Engineering and Technology (CACET)

Anthony Chen

- Member, Council of the Institute of Jamaica
- Chairman, UNDP-GEF Community Based Adaptation Programme in Jamaica
- Member, GEF- Small Grants Programme

Andre Coy

- Judge, National Schools Science Competition
- Reviewer Journals, IEEE Transactions on Audio, Speech and Language Processing, Computer Speech and Language, Instrumentation Science & Technology

Victor Douse

- Chairman, Cement Technical Committee, Bureau of Standards.
- Technical Assessor, Jamaica National Agency for Accreditation (JANAAC)

Leary Myers

- Member, International Who's Who Historical Society

Tannecia Stephenson

- Member, National Committee for Climate Change Adaptation and Disaster Risk Reduction
- Reviewer Journals, *Climate Research*, *Climate Dynamics*

Michael Taylor

- Member, International Science Panel of VAMOS/CLIVAR
- Member, Steering Committee, Pilot Project on Climate Resilience (Caribbean)

- Member, National Committee of the International Global Biosphere Programme.
- Alternate Chair, UNDP-GEF Community Based Adaptation Programme, Jamaica
- Member, Caribbean Disaster Emergency Management Agency, Educational Sector Sub-Committee.
- External Examiner, Physics, College of Agriculture Science and Education
- Reviewer Journals: *Journal of Geophysical Research*, *International Journal of Climatology*, *Journal of Climate*, *Climate Dynamics*

Mitko Voutchkov

- Member, Heavy Metal Task Force, Ministry of Health
- Life Member, International Society of Environmental Geochemistry and Health.
- Chairman, Technical Advisory Committee “In-situ Methods for Characterization of Contaminated Sites”, International Atomic Energy Agency (IAEA)
- IAEA Technical Co-operation Expert in Nuclear Physics

FACULTY OF SOCIAL SCIENCES

MONA

Year ending July 31, 2011



Mark Figueroa, BA, MSc *UWI*, PhD *Manc* – Dean

Overview

INTRODUCTION

The Academic year 2010/11 saw substantial changes in the leadership of the Faculty. At the end of the year, three new Heads were appointed. Damien King replaced Claremont Kirton as head for the Department of Economics; Jessica Byron took over as head of the Department of Government from Anthony Harriott, who had been previously designated Director of the Institute of Criminal Justice and Security; and Densil Williams was appointed as head for the Department of Management Studies in place of Noel Cowell. At the Centre of Hotel and Tourism Management (CHTM), Berkley Williams completed his term of office and in January 2011, Robyn Roberts joined the staff as acting head for the Centre.

In the area of strengthening staff efficiency and growth, the Faculty hosted its Annual Faculty Day on August 24, 2010 under the theme “Renewing Ourselves in a Changing Environment” with the tagline “Enhancing: Quality, Efficiency, Impact and Growth”. The break-out theme groups included elements designed to meet specific needs which were identified throughout the year as important to staff in their efforts aimed at coping with the difficult times. The themes were: (1) Owning your Dream Home, (2) Managing Relationships, (3) TurnItIn and OurVLE Training, and (4) Cross Campus Collaboration Processes and Preparation.

A highlight for the year was the success of the Mona School of Business (MSB) in obtaining accreditation from the international Association of

MBA (AMBA). Coming out of the accreditation exercise the MSB received a special commendation for its close relationship with the local business sector.

Curriculum Initiatives

The Faculty of Social Sciences at Mona continued its focus on teaching and learning with the discussion at Faculty Board of a draft *Philosophy of Teaching and Learning*. This resulted from examining ways of assessing student learning and a paper entitled “Transformative Learning for All Our Students” was developed. The Faculty continued its focus on strengthening the curriculum in both the undergraduate and postgraduate programmes in an effort to make students more work ready, improve oral and written communication and enhance research skills.

The Sir Arthur Lewis School of Social and Economic Studies (SALISES) redesigned its master’s degree with a view to providing a unique and attractive interdisciplinary, leadership-oriented programme not offered elsewhere in the Faculty. Efforts were also directed at improving the efficiency of delivery and the length of time spent studying in order to address both the requirements of potential students for more rapid turnover and the need for faculty to spend a greater proportion of their time on research endeavours. It is expected that graduate students will begin reading for the new degree in 2013-2014.

Efforts to Make Students More Work Ready

The Department of Government, held student conferences and debates in the Political Science courses on issues affecting the public sector. Additionally, both the Public Sector Management and the International Relations Units operated summer internship programmes for undergraduates. Approximately 30 students participated and were placed in a government ministry or agency, an international organization or non-governmental organisation in Jamaica, Trinidad, St Lucia and Ireland. Students who participate in the internship programmes are able to experience first-hand the connection between theory and practice from material studied in their respective courses. At the graduate level, the Department of Government through the Centre for Leadership and

Governance, accommodated ten students in the parliamentary internship programme. Interns were required to formulate briefs on topics such as: *Comparative Analyses of Early Childhood Education in China, the US and Barbados; Climate Change and Renewable Energy; and Ethics and Accountability Standards for Parliamentarians.*

The Department of Sociology, Psychology and Social Work, through the Caribbean Internship Project (CIP), continued to assign students to work in a range of child development programmes and agencies in the region. This initiative has resulted in improved service delivery at the respective agencies, improved outcomes for children and families involved and has strengthened community involvement in projects undertaken for their benefit while enhancing learning by students; strengthening their ability to engage in real life problem solving.

New Academic Programmes

Approval was gained at the graduate level for a concentration in Sports Management; a Masters in Taxation programme and courses in Industrial Organisation and Anthropology Practice. The concentration in Sports Management was initiated as a part of the existing MBA at the Mona School of Business. It seeks to broaden the range of options and satisfy an important unmet need. The Masters in Taxation was designed to produce a cadre for tax administrators, policy makers, tax consultants and planners and financial planners to work in both the public and private sectors. Presently, no university in the Caribbean region offers advanced training in taxation. The Industrial Organization courses responds to the need for persons with the skills required by the various agencies that have been introduced in the Caribbean relating to competition and the regulation of sectors such as public utilities and financial services. Anthropological Practice was designed primarily to produce graduates with the ability to assess social issues affecting the Caribbean region and the graduate course *Critical Approaches to Caribbean Society and Culture* was redesigned to enhance students' research skills.

In January 2011, the Mona School of Business (MSB) welcomed nine students to the third cohort of the Doctorate in Business Administration (DBA) programme. The members of Cohort 1 are in the process of

defending their research proposals while those in Cohort 2 are preparing for comprehensive exams. In addition to the DBA, the MSB in collaboration with the MICO University College continues to offer the Executive Master in Educational Management (EMEM) which began in July 2009. The EMEM is designed to empower principals and senior administrators to be able to manage programmes and students more efficiently.

At the undergraduate level the curriculum was strengthened with the development of a number of new courses, namely, *Introduction to Policy Analysis and Evaluation*, *Introduction to Anthropology*, *Theory and Practice of Restorative Justice I and II*. The course *Introduction to Policy Analysis* is a revision of the course *Quantitative Techniques in Policy Analysis*. The revised course would provide the critical knowledge and analytical skills required in the public sector management field and would form the capstone for the major in Public Sector Management. The new course in Anthropology was introduced in keeping with the recommendations of the last quality assurance review and the new courses in restorative justice provide an opportunity for students to venture into a field that is increasingly seen as important to the contemporary Caribbean.

Research

The Sir Arthur Lewis Institute of Social and Economic Studies (SALISES), Mona implemented their main research project entitled “Fifty/Fifty: Critical Reflections in a time of Uncertainty”. The Fifty/Fifty project is framed around the anniversary of independence of the first two English-speaking countries: Jamaica and Trinidad. A series of scholarly discussions and research clusters have been initiated around the meaning of independence as Caribbean States in the widest interpretation as well as explore potential future directions for the next fifty years. The research clusters established allow for collaboration with other Departments and units within the Faculty as well as other faculties at UWI and with other interested scholars locally, regionally and internationally. The premier activity in the first phase of the Fifty/Fifty project was the February, 2011 SALISES 12th Annual Conference which was held in Kingston and

entitled “Challenges of the Independence Experience in Small Developing Countries” where more than 100 papers were presented.

The Faculty continued to support staff members in their research efforts by sponsoring their attendance to conferences and employing research assistants to help them with the varied research projects. At the Campus level three staff members received New Initiative Grants, namely Lawrence Nicholson, Delroy Chevers and Ishtar Govia while Nadine McCloud-Rose and John Talbot received Mona Research Fellowships. Additionally, three staff members were recipients of the Principal’s Research Day Awards. Mark Figueroa received awards for the best article and for the most outstanding researcher for his articles entitled “The Academic Economist as Public Teacher: Lessons from Lewis and the Caribbean Policy Discourse” and “Rethinking Caribbean Agriculture: Re-Evaluating Lewis’s Misunderstood Perspective”. Densil Williams received the award for the best research publication for his article entitled “Export Initiation in Small, Locally Owned Firms from Emerging Economies: The Role of Personal Factors” and Hopeton Dunn received the award for the research project attracting the most funds for: “Network for Development: Caribbean ICT Research Programme” (Jamaican Component).

Staff members were engaged in a wide cross range of research projects relating to pressing issues facing the Caribbean. These were reflected in conference presentations, academic publications and technical reports. Topics explored included: Trust issues in Jamaican institutions; Human Resources as they relate to migration; Technology and how it influences and affects the Travel and Tourism Industries; Entrepreneurship; Family and Locally owned Businesses; Challenges of Life and Livelihoods in the Workplace and Community; HIV and Responses to its Diagnosis; Sexual Health Services; Community Mediation and Violence Prevention through the Usage of Telecentres; Deportees; Women and Aging; Children issues such as Crisis and Household Vulnerabilities and Child Rights; Boys at Risk and Differential Gender Achievement in Caribbean Education.

Other issues were explored relating to: poverty; culture and the perception of culture; Rastafarianism; Local Government and strengthening its capacity through performance management; building a global democracy;

the Caribbean Regional Integration process as it relates to the European experience; Election Observation in the Caribbean; Jamaica's Foreign Policy and Strategic Culture; Information Systems related issues and how they benefit organisations; Social Networking Systems and how they serve as motivation; Caricom and the Commonwealth relationship; Constitutional Reform and Social Partnership; Revisiting the Grenadian Invasion; Negotiating Caribbean Freedoms; Housing in Jamaica; E-Learning; and Relationship between Academics and Administrators in a Higher Education Institution.

In the economic sphere, research examined areas such as: Post-independence Economic Development; Estimating the Poverty Line; Microeconomic Recovery and Growth; the Financial Crisis and Lessons for the Future; the Causality between Tourism and Economic Growth; Remittances and trends in Migration; and The Lisbon Treaty and its implications for EU-Caribbean relations. Colleagues also delved into issues relating to other global areas for example: West African Monetary Zone as an Optimum Currency area and Challenges of Political Independence in Uganda.

Research work published during the year covered issues such as: the impact of financial sector functions on economic growth; Ponzi schemes and their related risks; the global financial crisis; the role of regional development banks; export development policies in Caricom; financing sustainable development in small-island states; household food security and childhood overweight in Jamaica; training Jamaicans for export; Social Work in the Caribbean; Social Inequalities; Sexual risk behaviours and sexual health outcomes; Poverty, Inequality and Disaster Risk Reduction in the Caribbean; Factors impacting Juvenile Delinquency in Jamaican and African-American Adolescents; Reviewing participation as a tool for people centered development and envisioning Caribbean futures.

The following table provides a comparative study of publications produced over the last three academic years. The decline in research output is in part due to a fall in the total number of staff members

employed within the Faculty over the last two years resulting from the continued financial stringency faced by the Mona Campus.

Faculty of Social Sciences Departmental Publications 2008-2011												
DEPT.	Books/Monographs			Book Chapters			Journal Articles			Total		
	2008-2009	2009-2010	2010-2011	2008-2009	2009-2010	2010-2011	2008-2009	2009-2010	2010-2011	2008-2009	2009-2010	2010-2011
ECON	2	1	0	1	1	0	5	7	9	8	9	9
GOVT	5	3	0	6	0	4	9	7	6	20	10	10
DOMS	0	1	0	5	0	0	8	14	8	13	15	8
MSB	0	2	0	1	5	0	4	1	12	5	8	12
SALISES	7	3	2	5	5	6	15	9	5	27	17	13
SPSW	0	1	2	8	8	6	10	11	13	18	17	21
CHTM	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	14	11	4	26	16	16	51	49	53	91	76	73

PUBLIC SERVICE

Throughout the year the Faculty remained active in public service and members of staff participated in a wide cross section of civic activities. In this regard, the Department of Government worked with the UNDP and the Jamaica Council of Churches on Truth Commissions. The Centre for Leadership and Governance once again hosted and managed the 2010 round of the LAPOP/USAID Survey of Democratic Political Culture in Jamaica. The 2010 study aimed at broadening and understanding the nature and dynamics of Jamaica's political culture and sought to examine key trends in democracy and governance in the context of the global economic crisis. In December 2010, the Centre for Leadership and Governance through collaboration with the National Integrity Action Forum (NIAF) hosted a conference where Jamaica's anti-corruption reform agenda was discussed.

The Mona School of Business engaged in a range of activities aimed at stimulating debate. Among these was the hosting, in conjunction with the Spanish Court Hotel, of a series of "Kingston 360° Breakfast Talks". Professor Obika Gray, Professor of Political Science from the University

of Wisconsin, USA, and Professor Peter Blair Henry, Dean of the Leonard Stern School of Business at New York University were two featured speakers. The breakfast brought together retiring and emerging thought leaders who engaged in stimulating discussions related to Jamaica's productivity and state of development. An Issues Management and Crisis Communications Workshop was also held under the theme "Managing the Ethical Dilemma". The workshop was aimed at marketing, communications, media and brand professionals, business executives, entrepreneurs and public officials. The workshop sought to equip participants with a range of perspectives on crisis communications management, handling the ethical dilemma, crisis communication planning tools and media relations imperatives. The workshop was jointly hosted by the MSB and Illuminarte Communications Ltd.

The Department of Economics, in conjunction with the World Bank, hosted a dissemination seminar on Jamaica: Country Economic Memorandum (CEM) - "Unlocking Growth". The seminar was well attended by representatives of UWI, World Bank, Bank of Jamaica as well as representatives from the Ministry of Finance and Ministry of Industry and Commerce. In collaboration with the Principal's Office, the Department along with the World Bank and Canadian International Development Agency (CIDA) hosted a Forum on Caribbean Remittance: *"Enhancing the Efficiency and Integrity of Remittance Transfers through Effective Regulatory and Supervisory Systems in the Caribbean"*.

A number of public service initiatives also came out of Salises' Fifty/Fifty project. Salises, in collaboration with the Jamaica Employers' Federation, hosted a seminar entitled "Mistrust – Confronting the Issue - Key to Success", which examined questions of trust and mistrust in the workplace. In conjunction with the Hugh Lawson Shearer Trade Union Education Institute and Friedrich Ebert Stiftung, a seminar with trade union leaders was held entitled "A Road Map for Trade Unions: Relevance and Sustainability". A third activity involved "Prime Ministerial Reflections 50/50" with separate presentations by former Prime Ministers of Jamaica namely: Edward Seaga, P.J. Patterson and Portia Simpson Miller, in which they discussed their experiences in office and their

perspectives on the future social, economic and political possibilities for Jamaica.

Staff members of the Faculty of Social Sciences remained active in public service by serving on various boards, committees and other bodies of professional organisations, educational institutions, policy making and inter-governmental organizations, state and private sector companies and international journals. Additionally, a number of staff members remained active in the media by writing articles for newspapers and serving as special guest editors and by participating in radio and television interviews. Some of the institutions and organisations served included: Red Cross, Institute of Jamaica, Michael Manley Foundation, School Boards, College of Insurance and Professional Studies, Caribbean Examinations Council, UNICEF, The Path Programme Committee, Sickle Cell Support, High School Associations, Violence Prevention Alliance, National Library of Jamaica, National Taskforce for Persons with Disabilities, Jamaica Environmental Trust, Jamaica Stock Exchange, National Insurance Scheme, Financial Services Commission, Forest Conservation Fund, Private Sector Organisation of Jamaica Trade Policy Committee, Optimist Club of Kingston, National Youth Development, Early Childhood Commission, Jamaica Survey of Living Conditions, Friends of Liberty Hall, Caribbean Studies Association, National Steering Committee on Decentralisation, Local Government Reform, Jamaica Money Market Brokers, Churches Credit Union, Caribbean Brands and various Advisory committees and Review boards.

Colleagues were also active in service to a wide range of journals including among these: *American Review of Political Economy*, *Southern Journal of Canadian Studies*, *International Bulletin of Political Psychology*, *British Journal of Social Work*, *Journal of Diplomatic Language*, *Journal of Cross-cultural Psychology*, *Journal of Business, Finance and Economics in Emerging Economies*, *Frontiers in Finance and Economics*, *Caribbean Review of Books*, *Caribbean Reasoning Series*, *Jamaica Journal*, *Journal of Business and Entrepreneurship*, *Lexington Books Caribbean Series* and *Caribbean Journals of Education, Social Work, and Psychology*.

Community Outreach

The Department of Management Studies launched an Office of Social Entrepreneurship (OSE). The OSE has two main foci, namely the Primary and Junior High Schools Outreach Programme and the Saving lives through Enterprise Programme. Under the Primary and Junior High Schools Outreach Programme, assistance is offered to students with the teaching of extra classes in Mathematics and English Language for students preparing for the Grade Nine Achievement Test (GNAT) which is usually held in May of each year. Approximately one hundred students participated in the programme last year. University students and community volunteers facilitated the sessions. The Saving Lives through Enterprise Programme has so far been a collaboration with the Inter-American Institute for Cooperation on Agriculture (IICA). In this venture approximately fifteen male participants from Trench Town, Rockfort and Arnett Gardens received training in urban agriculture at the IICA.

The Psychology Unit in the Department of Sociology, Psychology and Social Work continued its service relationship with the Mustard Seed Communities through a previously signed Memorandum of Understanding. Under the MOU, the Psychology Unit provides expertise in diagnostic assessment of residents, therapeutic interventions for residents and staff training and development. Staff members have also been responsive to various issues of social concern inclusive of the recent social disturbances in West Kingston.

The Mona School of Business Outreach Programme continued during the period as the School maintained a special relationship with the Jamaica National Children's Home. The first MSB Outreach award for "Outstanding Personal Achievement and Community Service" was presented to a Former Resident of the Jamaica National Children's Home. The award, which was presented at the MSB Awards Ceremony on November 26, 2010, highlighted the achievements of recipient Tashauna Taylor, a former resident of the JNCH who has made several academic and personal achievements. Also, in conjunction with the Jamaica

National Children's Home (JNCH) a very successful MSB/JNCH Sports Day and Christmas Treat was held on December 17, 2010 on the JNCH Grounds. There was a large turnout of MSB staff members and residents of the Home.

Conclusion

As with other areas of the UWI, financial challenges have led to a reduction in the availability of resources most notably a reduction in the staff complement available to the Faculty. This has meant that the Faculty continues to be called upon to do more with less. Despite these constraints the Faculty has continued to take initiatives aimed at enhancing the student experience with a view to producing graduates with enhanced academic, work ready and life-long learning skills. New and relevant research initiatives have been undertaken and there has been a continued effort to engage with the wider community.

DEPARTMENT OF ECONOMICS

Damien King, PhD NYU, MSc UWI, BA York
– Head of Department

WORK OF THE DEPARTMENT

The Department of Economics welcomed Damien King as the new Head of Department on August 1, 2010. Dr King first joined the Department in 1991 as a Lecturer and was promoted to Senior Lecturer in 2004.



During the period under review, the following achievements were recorded:

Mark Figueroa PhD, Senior Lecturer in the Department of Economics and Dean, Faculty of Social Sciences was promoted to **Professor of Caribbean Political Economy** in February 2011. During the reporting period, he also received the following awards:

- **Mona Research Day Awards** (Social Sciences): Most Outstanding Researcher, 2011 and for Best Article, (two of three awards) 2011.
- **Figueroa, Mark.** 2009. The Academic Economist as Public Teacher; Lessons from Lewis and the Caribbean Policy Discourse. *Social and Economic Studies* 58 (3&4): 1-28. (2011)
- **Figueroa, Mark.** 2009. Rethinking Caribbean Agriculture: Re-evaluating Lewis's Misunderstood Perspective. *Journal of Business, Finance and Economics in Emerging Economies* 4 (2): 300-22. (2011)

Public Profile

The Department, in conjunction with the World Bank, hosted a Dissemination Seminar on Jamaica: **Country Economic Memorandum (CEM) - “Unlocking Growth”** held on Friday June 17, 2011 at the UWI Multifunctional Room. The Seminar was well attended by representatives of UWI, World Bank, Bank of Jamaica as well as representatives from the Ministry of Finance and Ministry of Industry and Commerce.

In addition, the Department, in collaboration with the Principal’s Office, World Bank and Government of Canada (CIDA) hosted a Forum on **Caribbean Remittance: “Enhancing the Efficiency and Integrity of Remittance Transfers through Effective Regulatory and Supervisory Systems in the Caribbean”**. This was held on March 24-25, 2011 at the UWI Mona Visitors Lodge.

PAPERS PRESENTED

Bullock, Colin

- “Macroeconomic Focus for Economic Recovery and Growth”, MSB Roundtable 2011 on Organizational Renewal; From Recession to Economic Recovery and Growth, June 2011.
- “Financial Crisis in Jamaica: Lessons for the Future” Caribbean Development Bank Annual Meetings, Port of Spain, May 2011.

Figueroa, Mark

- Differential Gender Achievement in Caribbean Education: What do the Numbers at the Tertiary Level Reveal? Advancing the Education of Boys in Jamaica, Ministry of Education, Commonwealth Secretariat, UWI Mona, July 7, 2011.

Ghartey, Edward

- “Causality between Tourism and Economic Growth: Empirical Evidence of Jamaica,” International Conference on Economic Modeling, The University of Azores, Ponta Delgada, The Azores, Portugal, June 29, 2011.

- “Effects of Monetary Policy, Structural Changes, Hurricanes on Tourism and Economic Growth in Jamaica,” Professorial Inaugural Lecture, Social Sciences Lecture Theatre, The University of the West Indies, Mona Campus, Kingston, Jamaica, January 20, 2011.
- “West African Monetary Zone as an Optimum Currency Area,” Allied Social Science Association (ASSA) Annual Meeting in Sheraton, Denver Colorado, USA, January 8, 2011.

Kirton, Claremont

- Remittances Policy Options for CARICOM Countries. Ramphal Commission Symposium on Migration and Development, Jamaica. Feb. 22, 2011, Mona Visitors Lodge, The University of the West Indies, Kingston, Jamaica.
- Migration and Remittances Trends: The Caribbean Experience. Caribbean Remittance Forum on Enhancing the Efficiency and Integrity of Remittance Transfers through Effective Regulatory and Supervisory Systems in the Caribbean, March 24-25, 2011, Mona Lodge, The University of the West Indies, Kingston, Jamaica.

PUBLICATIONS

(Books, Monographs, Refereed Journal Articles & Technical Reports)

Refereed

- * **Tennant, D.F., C. Kirton and A.O. Abdulkadri**, 2011. “Modelling the Effects of Financial Sector Functions on Economic Growth in a Developing Country: A Cointegration and Error Correction Approach.” *Journal of Developing Areas*, 44(2): 183-205.
- * **Tennant, D.F. and A.O. Abdulkadri**, 2010. “Empirical Exercises in Estimating the Effects of Different Types of Financial Institutions’ Functioning on Economic Growth.” *Applied Economics*, 42(30): 3913-3924.

- * **Tennant, David.** 2011. Factors Impacting on Whether and How Businesses Respond to Early Warning Signs of Financial and Economic Turmoil: Jamaican Firms in the Global Crisis. *Journal of Economics and Business.* 63: 472-491.
- * **Tennant, David.** 2011. Why do People Risk Exposure to Ponzi Schemes? Econometric Evidence from Jamaica. *Journal of International Financial Markets, Institutions and Money.* 21: 328-346.
- * **Tennant, David.** 2010. Relationship between Traditional Determinants of Financial Risk Tolerance and the Extent of Individuals' Exposure to Ponzi Schemes: Exploratory Evidence from Jamaica. *The Empirical Economics Letters.* 9(6): 581-590
- * **Tennant, David.** 2010. Global Financial Crisis to Real Sector Contraction: Exploring Transmission Mechanisms in a Small Open Economy – Business Coping Strategies in Jamaica. *Global Development Studies.* 6(1-2): 235-290.
- * **Ingham, Barbara and Figueroa, Mark** 2009. The Role of Regional Development Banks: Lewis and the Legacy of the Caribbean Development Bank. *Journal of Eastern Caribbean Studies* 34: (4) 25 1-20.
- * **Freckleton, Marie** (2010) “Export development policies in CARICOM: an assessment” *Global Development Studies,* 6(1-2):149-63.
- * **Ghartey, Edward E.** (2010). “Government Expenditures and Revenues Causation: Some Caribbean Empirical Evidence,” *Applied Econometrics and International Development,* 10 (2). 149-165.
- * **Ghartey, Edward E.** (2010). “Cointegration and Causal Relationship between Taxes and Spending for Kenya, Nigeria and South Africa,” *International Economic Journal.* 24(2), 267-282.

Non-Refereed Article

- * **Figueroa, Mark.** 2010. Coming to Terms with Boys at Risk in Jamaica and the Rest of the Caribbean. In Commonwealth Education Partnerships 2010/11, ed. Rupert Jones-Parry. Nexus Strategic Partnerships for the Commonwealth Secretariat. London: 66-68.
- * **Freckleton, Marie** (2011) ‘Promoting export competitiveness in CARICOM: issues and challenges’ in Bailey, J. et, al. (eds) Modern Competitiveness in the 21st Century: Global Experience. Lexington Books, Rowman and Littlefield Publishing, Lanham: Maryland pp. 185-192.
- * **Gordon, Peter-John** “Law and Economics: Institutional Interface (Normal Manley Law School Distinguished Lecture February 2011)” *West Indian Law Journal*, October 2010.
- * **Gordon, Peter-John** “The Case for Maintaining a Single Competition Agency for Investigation and Adjudication of all Competition Matters” *West Indian Law Journal*, May 2010

Technical Report

- * **Abdulkadri, A.O.**, 2011. “The Impact of Climate Change on the Energy Sector in Trinidad and Tobago.” National Report submitted to the United Nations Economic Commission for Latin America and the Caribbean (UNECLAC). Port-of-Spain: Trinidad and Tobago, June 2011
- * **Clarke, Christine** and Emmanuel, Elizabeth. Economic Assessment of the Impact of Climate Change on Human Health in Guyana. National Report submitted to United Nations Economic Commission for Latin America and the Caribbean. (UNECLAC). July 2011.
- * **Clarke, Christine** and Strand, Georgina. Economic Assessment of the Impact of Climate Change on Human Health in Jamaica. National Report submitted to United Nations Economic Commission for Latin America and the Caribbean. (UNECLAC). July 2011

- * **Kirton, Claremont.** 2010. Financial Services in the CARICOM Strategic Plan for Regional Economic Development. Report prepared for CARICOM Secretariat. 161 pp.
- * **Tracey, M** and Witter, M. Exploration of the Economic Feasibility of Harnessing Wind Energy in Jamaica. Prepared for UWI New Initiative Grant. 2009.

PUBLIC SERVICE

Abdulkadri, Abdullahi Dr.

- Past-President, Southwestern Economics Association
- Reviewer, *Applied Economics*
- Reviewer, *African Journal of Agricultural and Resource Economics*

Clarke, Christine Dr.

- Member, Tax Policy Committee, Partnership for Transformation.

Figueroa, Mark Professor

- Member, Board of Directors: Jamaica Environment Trust

Ghartey, Edward Professor

- Associate Editor, *Frontiers in Finance and Economics*
- Director, African Finance and Economics Association

Gordon, Peter-John Dr

- Member, Board of Directors of the Productivity Centre

Kirton, Claremont Professor

- Chairman, Jamaica Stock Exchange (JSE) Panel of Judges, JSE Broker Analysts' Market' Research Competition
- Member, CARICOM Task Force – Strategic Plan for Regional Economic Development (SPRED).

King, Damien Dr

- Member, Board of Directors, Desnoes & Geddes Ltd. Chair of the Board’s Audit Committee.
- Member, Tax Policy Committee, Partnership for Transformation.

Tennant, David Dr

- Member, Government of Jamaica’s Steering Committee for Reforming the Public Sector Pensions System and the National Insurance Scheme.
- Member, Board of Commissioners, Financial Services Commission. Chairman of the Board Pensions Committee. Member of the Board Insurance Committee.

STUDENTS**Teaching Achievement**

The Department scored an overall mean of 4.0 in both semesters for Lecturers’ preparation, knowledge of subject area, punctuality and accessibility, with 93% of all staff having a score above 3.5 with 66% scoring 4.0 and over. The average course rating score was 3.8, with 89% of all courses having a score above 3.5.

Undergraduate students

During AY2010/11, the Department of Economics taught 6,637 students over 41 courses. Of this amount, students are pursuing Majors and Minors within the Department’s BSc programmes.

Graduate Training

The MSc Economics programme had 30 registered students in the 2010/2011 academic year, 12 first year students and 18 second year students in the programme. To date, 14 students have been recommended to graduate in November 2011. The MSc International Economics and International Law programme had 4 students registered students in the 2010/2011 academic year, three first year students and one second year student in the programme. One student has been recommended to graduate in November 2011.

DEPARTMENT OF GOVERNMENT

Jessica Byron, BA, Dip. (Inter. Rel) *UWI*, PhD *Univ of Geneva*
– Head of Department

INTRODUCTION

The 2010 – 2011 academic year featured major changes in the administrative processes at UWI Mona as we advanced further with technological applications for many administrative functions and continued cost-cutting measures in various areas of activity. The Department of Government strove to adapt to these developments even as it experienced a major turnover of staff during the year. The Department showed great resilience



in responding to change and many staff members were exemplary both in assuming new responsibilities and in their overall service to the university community. The Department kept its academic programmes running smoothly and continued to focus on enhancing teaching and learning activities, maintaining its research and publications output, its public outreach and its community service. The key strategic goals for the Department during 2010 – 2011 were faculty succession planning, a continued focus on curriculum review for relevance, quality and innovation, and boosting visibility and communication by media interviews and revamping the department’s website.

Staff Arrivals and Departures

The Department of Government experienced major staff changes in 2010 – 2011. The former Head, Professor Anthony Harriott, relocated to the Office of the Vice Chancellor as Director of the UWI Institute on

Criminal Justice and Security. He was succeeded as Head of Department by Dr. Jessica Byron, Sr. Lecturer in International Relations. Professor Harriott has been an outstanding member of the Department for many years and one of its most prolific researchers. Although his presence will be missed, his colleagues celebrate his success and applaud his ongoing contribution to the wellbeing of Caribbean societies. We witnessed the departure of Dr. Lucy Eugene, known for her excellent management of the UWI/WTO training programme on International Trade Policy between 2003 and 2009. Dr. Eugene joined St. Georges University in Grenada as Professor of International Trade Policy. The Department also bade a regretful farewell to Dr. Lawrence Powell, Sr. Lecturer in Political Science Research Methods and lead researcher in the UWI/Vanderbilt University LAPOP project, who took up a post in New Zealand in September 2010 while Dr. Dana Marie Morris-Dixon left to pursue a career in the public sector at the end of the academic year. Dr. Eris Schoburgh was away on sabbatical leave for 2010-2011 and Dr. Diana Thorburn was also on leave.

We saw the departure in December 2010 of our Administrative Secretary, Miss June Pinto. The remaining administrative staff members did a sterling job of maintaining the support services of the office to all its clients until the arrival of our new Senior Administrative Assistant II, Mrs. Janette Phillips-Higgins at the end of March 2011. The Department also welcomed the arrival of Dr. Sonia Gatchair, Lecturer in Public Sector Management and we continued to benefit from the valuable contributions of part-time colleagues with substantial professional experience in areas of public policy.

A number of senior departures have therefore taken place in 2010-2011, and the Department has continued its efforts at recruiting a new generation of academics. A major focus has been the identification of the specific disciplinary specializations and skill sets required to rebuild a strong teaching and research unit that can continue the traditional strengths of the Department and meet the current and future needs of Caribbean societies in the areas of political science, public policy, domestic and international governance. By the end of 2010 – 2011, the process of

recruiting new staff in Political Science Research Methods, International Political Economy and Criminology was well underway.

Teaching and Learning - General

The Department of Government continued the delivery of its undergraduate programmes in Political Science, International Relations and Public Sector Management, offering Majors and Minors in these areas and a Minor in Criminology done jointly with the Department of Sociology, Psychology and Social Work.

There was much focus on learning enhancement activities in 2010 - 2011 which included field trips, student conferences in Political Science courses, student debates on issues affecting the public sector and a plethora of guest lecturers. Notable among the latter were the World Bank and the IMF representatives in Jamaica, senior officials from the Ministries of Health, Mining and Energy and Foreign Affairs and Foreign Trade, the Chilean Ambassador to Jamaica and colleagues from other UWI campuses and other universities. Films were shown as part of the curriculum in several courses and a public film on women's political activism in the Dominican Republic during the Trujillo dictatorship, *In the Time of the Butterflies*, was shown around the time of International Women's Day in March 2010.

The International Relations unit staged its usual negotiations simulation for Level Three International Relations majors on April 14, 2011, under the guidance of Miss Michele Lowe of the CARICOM Office of Trade Negotiations. The simulation is always one of the programme's highlights and this year, the scenario was the negotiation of international maritime rules and arrangements to combat piracy in the Arabian Gulf and the Indian Ocean. Approximately 90 students and a number of resource persons took part in this very successful exercise.

Both the Public Sector Management and the International Relations units ran their Summer internship programmes for approximately 27 undergraduate students. The students were placed for 4-6 weeks in government ministries or agencies, international organizations or non-governmental organizations in Jamaica, Trinidad, St. Lucia and

Ireland. This programme yields substantial benefits for the participants in terms of their work-readiness, an ability to connect theory and practice in their studies and professional networks. The Department continues to work closely with the collaborating agencies that host and train our interns and it greatly values these partnerships.

The Department held a series of curriculum review meetings during the course of the year which will result in modifications to both graduate and undergraduate programmes that will be piloted through the approval process between 2011 and 2013. The Public Sector Management unit is somewhat ahead of the pack in this respect since it has been pursuing an agenda of curriculum overhaul and modernization for the last few years. In 2010-2011 the unit obtained approval for a new course GOVT 3118 *Policy Analysis and Evaluation*, developed by Dr. Sonia Gatchair. The course will be offered initially in Semester Two 2011 – 2012. Likewise, agreement was arrived at between the Departments of Government and of History on the specific requirements for History or International Relations Majors to pursue a Minor in the other discipline. This was approved for academic year 2011 – 2012.

The Department joined with others in the Faculty of Social Science in hosting Dr. Lorna Grant and a contingent of five students majoring in Criminology from the North Carolina Central University. They visited us from June 13 to 24, 2011, met with students and faculty members, had a series of lectures from local criminologists, visited juvenile detention facilities and criminal justice institutions in Jamaica. This was the first phase of collaboration between the Criminology units in the two universities and it is expected to expand in the future.

Graduate Programmes

In 2010-2011, the Department of Government had 139 graduate students registered, 123 in the MSc programme, six in the MPhil programme and ten in the PhD programme. These figures included 38 new entrants including two MPhil candidates, one of whom was the recipient of a UWI research degree scholarship. The Department continued its policy of maintaining a conservative intake of research students based on its supervisory capacity and the resources available to support the work of the

students. In November 2010, 31 graduate degrees were awarded. By July 31 2011, three PhD candidates had submitted their dissertations for examination and one MPhil candidate successfully underwent an examination to have his registration upgraded to the PhD programme. In the MSc programme, 32 candidates submitted their Research Papers for examination by the end of the academic year.

For the third consecutive year, the Department of Government received an award from the Faculty of Social Sciences for getting the highest teaching evaluation scores from graduate students in the Faculty. The ongoing curriculum review aims to widen the graduate course offerings. In September 2010, the Department organized a 16 hour workshop on the preparation of a Research Paper, spread over two weekends. The student feedback was very positive and we intend to continue this event on an annual basis.

2010-2011 marked the completion of the inaugural cycle of the jointly taught BSc/MSc degree in Politics and International Cooperation by the UWI, the Université Antilles Guyane (UAG) and the Institut d'Etudes Politiques (IEP) of the University of Bordeaux IV. This programme is offered by the Department of Government. The first cohort consisted of ten students (two Jamaicans, three from Martinique, five from France) who spent their final graduate year at UWI Mona, pursuing MSc courses from the Department of Government and from SALISES. The year went well for the group and they contributed international perspectives and insightful analysis to the courses in which they participated. In the hosting of this programme, the Department of Government benefited from the support of the Faculty Office, SALISES, the International Students' Office, the Departments of Modern Languages and Language, Linguistics and Philosophy in the Faculty of Humanities and Education and the French Embassy in Jamaica.

The Parliamentary Internship programme, organized by Professor Trevor Munroe and Mr. Robert Buddan under the auspices of the Centre for Leadership and Governance accommodated ten graduate students in 2010 – 2011. They were required to prepare 20 research briefs on topics ranging from *Comparative Analyses of Early Childhood Education in China, the US and Barbados*, to *Climate Change and Renewable Energy*, to *Ethics and Accountability*

Standards for Parliamentarians. Three more graduate students were recruited as research interns by JAMPRO in a pilot project lasting for two months in Semester Two. A small number of graduate students honed their research and project management skills by working with the Centre for Leadership and Governance. The Department is working on expanding its graduate internships.

Research and Publications

In 2010-2011, staff members edited two journal issues, published four book chapters, five journal articles and four technical reports. Faculty attended conferences and presented at least 19 papers in Armenia, Brazil, Britain, Colombia, Hong Kong, India, South Korea, Trinidad and the United States as well as Jamaica. The Department held six research seminars during the year with presentations by two of its PhD candidates and four lecturers. One staff member, Kimberly Moloney was awarded the PhD in Public Administration from the American University in December 2010. Her dissertation is entitled *The World Bank's Public Sector Management and Governance Agenda: Actors, Tensions and Policy Change 1983 – 2007*.

Public Outreach, University and Public Service

In February 2011, the Departments of Government and History joined forces to hold a panel discussion entitled “Window on the World: The Uprisings in the Middle East and Implications for the Caribbean and the International Community”. Panellists were Ambassador Vilma McNish of the Ministry of Foreign Affairs and Foreign Trade, Dr Sultana Afroz Lecturer in Middle Eastern History, Professor Brian Meeks SALISES Director and Mrs. Natalie Coley, former faculty member based in the Middle East. The event was very well attended and the discussion was lively. There was a similar outcome on March 16 2011, when the Department in collaboration with the Centre for Leadership and Governance and the Faculty of Social Sciences hosted a public lecture by Professor Mitchell Seligson, Professor of Political Science and Sociology at Vanderbilt University, on “Democratic Culture in Hard Times: The Results of the 2010 Americas Barometer”. In May 2011, the department

organized a lecture by Professor Fred Constant, Counsellor responsible for French Cooperation in the Caribbean, stationed at the French Embassy in Saint Lucia. The topic was “One size does not fit all: the constitutional and political arrangements for the French DFAs of Guadeloupe, Martinique and French Guiana”.

Members of the Department were present in a wide range of national and international public service and scholarly activities. Notable examples include Dr. Jermaine McCalpin’s work with the UNDP and the Jamaican Council of Churches on Truth Commissions, Dr. Eris Schoburgh’s election to the Board of the Commonwealth Local Government Forum for 2011-2013, Dr. Kimberly Moloney’s election as an officer in the International Chapter of the American Society for Public Administration for 2011-2013, Dr. Suzette Haughton’s heading of a research team in July 2011 to Florida International University’s Applied Research Centre to prepare the Jamaica Strategic Culture Report and the involvement of Dr. Lloyd Waller and Dr. Sonia Gatchair in a number of youth and development-related public sector initiatives. Dr. Clinton Hutton chaired the UWI committee that organized the funeral ceremonies for our much loved Professor Barry Chevannes and also exhibited his paintings and Rastafari photographs in the Smithsonian Institute’s travelling exhibition at the Rastafari Studies Conference at Mona in August 2010. Dr. Jessica Byron served as UWI staff member on the Internal Review team for the Shridath Ramphal Centre at UWI Cave Hill in April 2011 while Dr. Lloyd Waller coordinated the UWI exhibition at the Denbigh Agricultural Show in August 2010, showcasing UWI’s development contributions in agriculture.

Activities of the Centres associated with the Department

The Centre for Caribbean Thought (CCT) held its seventh conference in the Caribbean Reasonings series September 30 – October 2, 2010, “Freedom and Power in the Caribbean: the Work of Gordon K. Lewis”. It was held at Mona in cooperation with Brown University’s Research Institute for the Study of Man and the University of Puerto Rico. CCT also published two books in the Caribbean Reasonings series, namely Anthony Bagues ed. The George Lamming Reader: the Aesthetics of

Decolonisation and Brian Meeks ed. M.G. Smith: Social Theory and Anthropology in the Caribbean and Beyond, both published by Ian Randle Publishers.

CCT under the Coca Cola sponsored Trilateral Reconnection Project, arranged for two graduate students from the University of Cape Town and two from UWI Mona to visit Brown University, and four from University of Cape Town to visit UWI Mona. All were candidates in advanced stages of their MPhil or PhD programmes.

The Centre for Leadership and Governance (CLG) again hosted and managed the 2010 round of the LAPOP directed/USAID funded survey of Democratic Political Culture in Jamaica. The project was headed by Dr. Lawrence Powell and Mr. Balford Lewis of the Department of Sociology, Psychology and Social Work, key investigators and co-authors of the report. The study aimed at broadening understanding of the nature and dynamics of Jamaica's political culture and examined key trends in democracy and governance in the context of the global economic crisis. In March 2010, there were island-wide dissemination activities to launch the 2010 Report which attracted much favourable media coverage. The presentation team included LAPOP founder and Director, Professor Mitchell Seligson and Mr. Dominic Zephyr of Vanderbilt University and Dr. Karen Hilliard, Director of the Jamaica USAID office. Later on, presentations took place in parish capitals across Jamaica and copies of the report were given to all major public and college libraries. The CLG is now engaged in planning the 2012 LAPOP survey.

The CLG carried out several major consultancy projects in 2010-2011. It was contracted by the National Centre for Youth Development to develop an Electronic Youth Programmatic Inventory and to assist with strengthening the institutional capacity of the Centre. It was also contracted by the same client to develop a National Youth Mainstreaming Strategy for Jamaica. This included conducting training for youth workers, and most notably a two-day national workshop on youth mainstreaming at Mona in June 2011 in which there were participants from government agencies, the donor community, NGOs and the private sector. The CLG also designed a social marketing campaign. These programmes were

funded by the Inter-American Development Bank and marked a major milestone for the CLG in income generation.

The CLG was contracted to carry out a Ministry of National Security/EU project to assess public perceptions of the Jamaica Constabulary Force in select communities where community policing is being implemented. Likewise, the CLG was contracted by the HEART Trust to conduct a qualitative study on the psycho-social impact of the Career Advancement Programme on participants.

The CLG continued to house the National Integrity Action Forum (NIAF) with support from USAID and the UK DFID. One highlight of the year was an open forum at UWI in December 2010 at which Prime Minister the Most Hon. Bruce Golding and Mr. Peter Bunting, together with media and civil society representatives discussed Jamaica's anti-corruption reform agenda. The NIAF marked its second anniversary in March 2011 with a breakfast meeting hosted by the Governor-General at King's House. The CLG was also the lead partner in a UNDP funded project *Building Civil Society Capacity to support Good Governance by Local Authorities*.

PAPERS PRESENTED

- **Hutton, Clinton.** “Leonard Howell and the Genesis of Rastafari: Pinnacle, the Making of an African Diaspora Community”. UWI, Mona. The Leonard Howell Symposium, June 17-18, 2011.
- **Hutton, Clinton** “Rastafari Calling: Signatures of Supplication to Self and Agency”. The University of the West Indies. Rastafari Studies Conference, August 17-20, 2010.
- **Schoburgh, Eris D.** “Performance Management as a Capacity Tool: Assessing issues and consequences in Jamaican Local Authorities”. IPEG's seminar, University of Manchester, February 2011.
- **Schoburgh, Eris D.** and John Martin. “Strengthening Local Government Capacity through Performance Management: A comparative analysis of ‘desirabilities’ and ‘practicalities’ in

Jamaica and Australia”. (presented by J. Martin) 15th IRSPM Conference, Dublin, Ireland, April 2010.

- **Schoburgh, Eris D.** “A critical analysis of the requirements for transitioning local government into economic development organizations”. Commonwealth Local Government Forum, Cardiff, Wales, March 13-14, 2011.
- **Byron, Jessica.** Building Global Democracy Programme, Workshop Citizen Learning for Global Democracy, New Delhi, India, September 1-3, 2010
- **Byron, Jessica.** “Building Global Democracy Programme”, Workshop Including the Excluded in Global Politics, Rio de Janeiro, Brazil, April 12-16, 2011
- **Byron, Jessica.** “G.K. Lewis and Reflections on Sovereignty in the Caribbean Context: From Colonial Nationalism to the Present Day”. UWI Centre for Caribbean Thought/Brown University/UPR Eighth Caribbean Reasonings Conference, UWI Mona. September 30 – October 2, 2010.
- **Byron, Jessica.** “The Caribbean Regional Integration Process in the Light of the European Experience”. Universite Antilles-Guyane/CAGI/OECS Training Workshop, Rodney Bay Saint Lucia, January 17-22, 2011,
- **Byron, Jessica.** “The Lisbon Treaty and its implications for EU-Caribbean relations”, UWI SALISES 12th annual conference, Kingston Jamaica, March 23-25, 2011
- **Byron, Jessica.** “Support for democracy in the Caribbean: a comparison of the IDC process and democracy promotion within the EU-CARIFORUM framework”. Institute of International Relations/OAS Seminar on Tenth Anniversary of the Inter-American Democratic Charter, UWI St. Augustine Trinidad, June 17, 2011.
- **Vasciannie, Lisa.** “Election Observation in the Caribbean: The OAS Experience” OAS/Institute of International Relations

Seminar on the Inter-American Democratic Charter, UWI, St. Augustine, June 2011.

PUBLICATIONS

Book Chapters

- * **Clinton Hutton** “Women in the Morant Bay Rebellion: A Force in the Struggle for The Definition of Post-Slavery Society”, in Verene Shepherd (ed) Engendering Caribbean History: Cross-Cultural Perspectives: A Reader. (Kingston. Miami : Ian Randle Publishers, 2011) 460-464
- * **Clinton Hutton** “From Douens to El Tucuche: Becoming and the Meaning of Being in LeRoy Clarke’s”, in Trinidad and Tobago National Commission for UNESCO (ed.) LeRoy at 70: The Art, the Poetry, the Man. 2011) 76-85.
- * **Clinton Hutton** “The Articulation of El Tucuchean Eldership”, in LeRoy Clarke Voice of a Smoulderind Coal (Trinidad and Tobago: De Legacy House of El Tucuche, 2010) 13-18.
- * **Jessica Byron** “The Caribbean Community and Security Governance: Probing the Limits of Regional Cooperation” in Chuck-A-Sang M., Hall K. eds. CARICOM Policy Options for International Engagement, Ian Randle, Kingston, 2010. pp 438-451

Journal Articles

- * **Clinton Hutton.** “The Power of Philosophy in Bob Marley’s Music”, in *Jamaica Journal* (Vol. 33, No. 1-2, December 2010, Special Double Issue on Jamaican Popular Music, Part ii) 30-35.
- * **Clinton Hutton** “Oh Rudie: Jamaican Popular Music and the Narrative of Urban Badness in the Making of Postcolonial Society”, in *Caribbean Quarterly* (Volume 56, No. 4, December

22-64, 2010. Special issue: Pioneering Icons of Jamaican Popular Music, Part 2.

- * **Clinton Hutton** “Introduction”, *Caribbean Quarterly* (Volume 56. No. 4, December 2010) ix-x. Special Issue: Pioneering Icons of Jamaican Popular Music, Part 2.
- * **Eris Schoburgh**, Philip Osei. Guest Editors. 2010. Special Issue on Local Governance and Intergovernmental Relations. *Social and Economic Studies*, Volume 59 (4) (December).
- * **Eris Schoburgh** “Is Subsidiarity the Panacea for Local Government Problems in the Caribbean?” *Social and Economic Studies*, Volume 59 (4) (December 2010) pp. 27-66.
- * **Gatchair, S.**, Bortagaray, I., and Cozzens, S. “Biotechnology Paths in Developing Countries: Analyzing GM in Costa Rica and Jamaica, Learning from Plant Tissue Culture”. *African Journal of Science, Technology and Innovation for Development*. 2 (3) 110-132. (2011)
- * Houghton, Suzette A. “Critical Pedagogy and the University of the West Indies Foundation Course: Law, Governance, Economy and Society”, *The UWI Quality Education Forum*, Number 17, (January 2011), pp. 1-26.

Technical Report

Lloyd Waller

- * With David Todd, Neville Duncan, Aldrie Henry-Lee, David Lee, and Michael Witter.(2011). Assessment of Development Results: Evaluation of UNDPs Contribution to Jamaica. New York: UNDP Evaluation Office

Houghton, Suzette A

- * with Knight, Franklin W. “Jamaica’s Strategic Culture”, Florida International University, Applied Research Center and Latin America and Caribbean Center, (August 2011), pp. 1-47.

McCalpin, Jermaine

- * Secondary Author- *Armenian Reparations Study Report*, Armenian Reparations Study Group, January 2011.
- * Principal Author -UNDP/Jamaica Council of Churches commissioned study “No Truth, No Trust: Democracy, Governance and Prospects for Truth Telling Mechanisms in Jamaica, published April 2011.

INCOME GENERATION

Consultancy

Lloyd Waller, National Youth Mainstreaming Strategy for Jamaica funded by the Inter-American Development Bank through the National Centre for Youth and Development, Ministry of Youth Sports and Culture – JM\$16,000,000.00

Lloyd Waller, Electronic Youth Programmatic Inventory/Gap Analysis funded by the Inter-American Development Bank through the National Centre for Youth and Development, Ministry of Youth Sports and Culture – JM\$12,000,000.00

Grants

Lloyd Waller, New Initiative Programme funded through the office of the Principal – J\$1,500,000.00.

PUBLIC SERVICE

Lloyd Waller

- Board Member, Student Loan Bureau
- Member, World Bank’s Development Gateway
- Member, International Institute for Communication and Development

- Member, International Institute of Communication and Development’s national knowledge sharing network - ICT4DJamaica
- Member, Language of New Capitalism
- Member, American Evaluation Association (AEA) Discussion Forum
- Member, Q Methodology Network Discussion Forum.

Sonia Gatchair

- Guest Co-editor, *African Journal of Science Technology and Innovation for Development*

Jessica Byron

- Committee Member, Jamaica Ministry of Foreign Affairs and Foreign Trade Trade Adjustment Team (JTAT).
- Associate Member, Centre d’Analyse Geostrategique Internationale (CAGI), Universite Antilles-Guyane, Guadeloupe
- Member, International Advisory Committees for *Bulletin of Latin American Research and European Review of Latin American and Caribbean Studies*.
- Board Member, *Building Global Democracy* research, training and advocacy programme, University of Warwick.

Christine Cummings

- Chair/Coordinator, Frank Worrell Memorial Award
- Board Member, Courtney Walsh Foundation
- Analyst/participant, Politics and Sports on News Talk 97

Clinton Hutton

- Guest speaker, Rastafari Studies Conference
- Guest speaker, Joint exhibition of a dozen of his paintings and photographs of Rastafari with the Smithsonian Institute’s (photo posters) travelling exhibition on Rastafari and a selection of Robin Small’s photographs on Rastafari.

PRIZES & AWARDS

Major Prizes For Best Performances

The Department of Government awarded the following students for their outstanding performances for the Academic Year 2010/2011 at the annual Faculty Awards Ceremony held January 2011.

Ann Spackman Prize

Julian Marie Tomlinson
GT11A-Introduction to
Political Institutions

Archie Singham Memorial Prize

Kemal Antonie Lloy Brown
GT22C-Foundations of
Caribbean Politics

Keisha Ann Williams
GT22D-Politics in the
Caribbean

Carl Stone Prize

Rohan Keith Wright
GT24M-Research Methods in
Political Science

Gladstone E. Mills Prize

Michael Hugh W. Palmer
BSc Public Sector
Management

Nethersole Prize

Michael Hugh W. Palmer
BSc Political Science

Paulette Wilson Prize

Melissa Gemeline Haynes

Sir Laurence Lindo Prize

Derval Kaschief Johnson
BSc International Relations

Rosina Wiltshire Prize

Terry Elizabeth Ann Yates
MSc International Relations

MSc Staff Prizes

Andrea Sofia Jones
MSc International Relations,
Research Paper

Racquel Natalie Artwell
MSc Comparative Politics/
Political Theory Research
Paper

Sophia Nathalee Ferguson
MSc Public Sector Manage-
ment, Research Paper

DEPARTMENT OF MANAGEMENT STUDIES

Densil A. Williams, BSc, MSc *UWI*, PhD *Manchester Business School*
– Head of Department

WORK OF THE DEPARTMENT

The academic year 2010-2011 was an inflection point in the life of the Department of Management Studies. The imperatives of the market demand that we become internationally competitive if we are to offer high class management education to future managers in the Caribbean and beyond the shores of the Caribbean seas. As is expected of a high quality Department, we rose to the challenge and the transformation is truly on its way in helping to meet the goal of being a world class Department that offers high quality management education for future managers and entrepreneurs in both the public and private sectors.

At the beginning of the academic year, the Department launched its operational strategic plan with its core strategy of differentiation as its competitive advantage as it moves to compete in an increasingly competitive marketplace for higher education, especially in the field of Management education. The basic pillars of this strategy rest on three elements: **Research, Teaching and Learning**, and **Outreach**. The Department's strategy is well aligned with the wider UWI's corporate strategy. The achievements of the Department are aimed at ensuring that the UWI achieves its mandates that are outlined in its corporate plan. This report will highlight the major achievements of the Department over the last academic year. These achievements have helped the Department and the wider UWI to fulfill its strategic aims and objectives.

Major achievements in key strategic areas

Over the academic year 2010-2011, the Department had some notable achievements in the key areas of its operational strategy. These include:

Teaching and Learning

- Dr. Delroy Chevers won the Faculty of Social Sciences inaugural teaching award
- Mr. Damion Crawford placed second runner-up in the Guardian Life Teaching Award
- Re-alignment of staff members to teaching in core areas of their specialization
- Reduction in the number of part-time faculty and increased teaching load of full-time, tenured faculty
- A number of tenured faculty are pursuing courses with the IDU to improve their teaching performance.

Research

- All tenured faculty members have presented their research plan to the Department's research seminar and are working on their projects in order to generate publication in the next academic year.
- A number of staff members have published papers in refereed journals.

Outreach

- The department continues to service its community with some notable achievements in the following areas:
- A seminar on "Alternative Methods of Financing for SMEs" with keynote speaker Prof. Graham Hall of the University of Wales in Cardiff, U.K.
- A public lecture by Mr. Lewis Leung on "Management in a Time of Crisis"

- Hosting of monthly research seminars
- Research and wrote a case study for a private sector company
- The Office of Social Entrepreneurship continues its work in the prison system to train inmates in development of business plans and reading and writing skills.

In addition to these achievements, there were some notable policy developments. These include:

- The graduate programmes in the Department have now come under one umbrella and report to a Director of Graduate Studies, Dr. Lawrence Nicholson.
- All staff members are required to present their research plan and funding requirements
- Tenured faculty do not teach in summer school unless they have shown strong advancement in their research over the academic year.
- Tracking of submission of marked examination scripts and manuscript for examinations in order to ensure that we minimize disruptions to the examination process and, that students' grades are delivered on time.

These changes are aimed at improving the competitive position of the department in the delivery of services to its clients. Indeed, these changes among others; have begun to bear results. The Department for the first time in three years won the Deputy Principal's Customer Service Award in the Faculty of Social Sciences awarded at the recent Faculty Day.

The Department of Management Studies is on a path to sustained growth in its research output, its teaching and learning and outreach activities. The aim is to continue to develop these areas over the next academic year. The remainder of this report presents the detailed achievements of the Department in the core areas of its differentiation strategy.

PAPERS PRESENTED

Refereed

- **Crick, A.** “Rethinking Oldenburg: Third places and generation Y in a developing country context”, 12th Annual SALISES Conference, Kingston, March 23-25, 2011.
- **Robertson-Hickling, H.** “Are We Losing Some of Our Best? Human Resource Management and Migration in the Caribbean”. SALISES 50-50 conference, Jamaica Pegasus, March 25, 2011.
- **Spencer, A., Buhalis, D.** (2011). “The Determinants of Firm Technology Adoption: Strategic Management Implications for Travel Retailers”. 18th International conference on Information Technology and Travel & Tourism, Innsbruck, Austria, January 26-28, 2011.
- **Williams, D.A. & K’nife, K.** (2011). “The Dark Side of Social Entrepreneurship”. Allied Academies International Spring Conference, Orlando Florida, April 6-9, 2011.
- **Williams, D. A.** (2010). “Modeling small locally-owned firms export behaviour: The role of language”. Allied Academies International Fall Conference, Las Vegas, October 13-15, 2010, pp. 1-23.

Non-Refereed

- **Crick, A.** “Rethinking the Tourism Employee: Moving from I come to Forget Me to I come to Get Me”, Festival in the Workplace Conference in Nassau. November 15-17, 2010.
- **Williams, D.A.** (2011). “Can your records run your practice: Improving competitiveness through information efficiency”. Medical Association of Jamaica, Symposium 2011, Jamaica Pegasus Hotel, Kingston June 4, 2011.
- **Williams, D.A.** (2011). “Funding tertiary education in Jamaica: some exploratory thoughts”. Jamaica Teachers Association

Seminar: Conversation on Education. Jamaica Teachers Association Conference Room, Kingston, June 22, 2011

- **Williams, D.A.** (2011). “Telecoms and competition policy in Jamaica: Issues and challenges”. ICT Policy Conference, Moan School of Business, UWI, Mona. May 17-18, 2011.

PUBLICATIONS

- * Crick, A. & Spencer, A (2010) – “Hospitality Quality – New Directions and New Challenges”. *International Journal of Contemporary Hospitality Management*, 23, 4, 463-78.
- * Smith, T. & Mills, A. (2011) “Knowledge Management and Organizational Performance: A Decomposed View”. *Journal of Knowledge Management*, Volume 15, No. 1.
- * Smith, T. & Spencer, A. (2011) “Predictors of Value for Money in Jamaican All-Inclusive Hotels” *International Journal of Humanities and Social Science*, Vol. 1, No. 3.
- * Williams, D.A. (2010). “An Empirical Investigation into the Financing of Family - Owned Business in Jamaica”. *Social and Economic Studies*. 59 (3) pp. 31-57
- * Williams, D. A. (2011). “Impact of firm size and age on the export behaviour of small, locally-owned firms: Fresh insights”. *Journal of International Entrepreneurship* 9(2), pp. 152- 174.
- * Williams, D. A. (2011). “Modeling small locally-owned firms export behaviour: The role of language”. *Academy of Entrepreneurship Journal*. 17 (2), pp.19- 35
- * Williams, D.A. and Jones, O. (2010). “Factors that determine longevity of small family owned firms”. *International Journal of Entrepreneurship*, 14 pp. 37- 58
- * Williams, D.A. & Morgan, B.J. (2010) “Benchmarking for international competitiveness: lessons for public policy”. *Forum Empresarial* (15), 2 pp. 1-35

AWARDS

Dr. Delroy Chevers walked away with the inaugural Faculty of Social Sciences Excellence in Teaching Award for 2009-2010 at the Faculty's Awards Ceremony held on Thursday, January 20, 2011.

Dr. Densil Williams won a distinguished research award for his paper entitled "Modeling Small, Locally-Owned firms Export Behavior: The Role of Language". This paper was presented at the Allied Academies International Fall Conference Held in Las Vegas Oct. 13-15, 2010.

Dr. Densil Williams was selected for the award of "The Best Research Publication" in the Faculty of Social Sciences. The research publication which earned him this award is "Export Initiation in Small Locally-Owned Firms from Emerging Economies: The Role of Personal Factors". He was presented this award at the Research Day 2011 Awards Ceremony.

Dr. Crick won the International Council on Hotel, Restaurant and Institutional Education (ICHRIE) Best Paper Award at the 2011 Conference in Denver, Colorado for her paper entitled "Rethinking Oldenburg: Third places and generation Y in a developing country context"

Dr. Cowell graduated from the IDU course on University Teaching at the November 2010 graduation ceremony.

OUTREACH

A public presentation of the findings of the USAID/COMET JCF Performance Survey was facilitated by the Department of Management Studies on the campus on the 29th November 2011.

Dr. Densil Williams served as moderator for a Panel Discussion, ICAC 29th Annual Conference, Jamaica Pegasus Hotel, Kingston. June 24th, 2011.

Williams, D. A., Crick, A., & Cowell, N. (2011). *GraceKennedy mergers and acquisitions: The human resource management challenge*. GraceKennedy Ltd., pp. 1-35.

Office of Social Entrepreneurship

The Department had a soft launch at the start of the academic year of an *Office of Social Entrepreneurship (OSE)*. The activities of the OSE are currently centred on two major programmes: Primary and Junior High School Outreach and “Saving Lives through Enterprise” programme. The initiatives under each programme are as follows.

Second Phase of Primary and Junior High School Programme:

Grade Nine Achievement Test (GNAT) Assistance Programme –

The team offers assistance through extra classes in Mathematics and English Language for students preparing for GNAT examinations, usually held in May of each year. Approximately, 100 students participated in the programme last year. University Students and community volunteers facilitate the sessions. Classes began on October 23, 2010 and are held every Saturday in the Department of Management Studies from 10:00am – 3:00pm.

Roll-out of OSE/YCWJ mandate in schools –

Launch of programme in schools. The team conducted refresher training sessions with core groups. There was also the organizing and mobilizing of students and staff to roll out projects in work plans.

Technical assistance to administration –

There were preliminary discussions with principals and staff of additional needs, with emphasis on developing an entrepreneurial project.

“Saving Lives through Enterprise” programme:

Inter-American Institute for Cooperation on Agriculture (IICA) Urban Agriculture Training

Approximately 15 male participants from Trench Town, Rockfort and Arnett Gardens received training in urban agriculture at IICA. The

sessions ran from Oct. 27-29, 2010 at the IICA offices, with an aim to introduce the participants to various facets of the agricultural process.

Deepen relation with Food for the Poor

The OSE-YCWJ under the auspices of the Saving Lives through Enterprise programme continues to engage the Food for the Poor to implement their programme in Agriculture and Animal Husbandry. The collaboration aims at targeting the communities that the OSE-YCWJ have facilitated, in particular, the communities that have received capacity-building assistance.

Tower Street programme

The organization currently provides project management and implementation services for the Tower Street Adult Correctional Centre Education Programme. A team of volunteers currently offer tutelage to the students in the programme in remedial Mathematics and English; facilitating discussions on documentaries, docudramas and current affairs, as well as exposure to entrepreneurship.

RESEARCH SEMINARS

The department held the following seminars during the 2010/2011 year.

- “Linking Academia to Business Practice” – Dr. William Lawrence, Director, Professional Services Unit – Mona School of Business.
- “Criminal Investigation Knowledge System: An Architecture” - Dr. Charlette Donalds, lecturer, DOMS.
- “Management in Time of Crisis” - Mr. Lewis Leung, President of Prince Edwards Management Company.
- “Benchmarking the Perception of Police Performance” – Dr. K’adamawe K’nIfe, lecturer, DOMS
- “Alternative Methods of financing for SMEs in Jamaica”. The keynote address was delivered by Prof. Graham Hall, former

Director of the PhD programme at Manchester Business School and one of Europe's leading venture capitalist. Other speakers included Aubyn Hill, Douglas Lindo and Densil Williams.

- “Should we tear up the management text books? - is everything we teach irrelevant?” - Prof. Graham Hall
- “The Impact of Corporate Governance Practices on Firm Performance” – Noel Reynolds and Joan Thomas-Stone, lecturer, DOMS.
- “The Impact of Perceived Digital Divide and Organizational Climate of eLearning Outcomes.” - Dr. Karen Jones Graham, lecturer, DOMS
- “Financial Regulation: Unregulated Investment Schemes Or Fraudulent Schemes” - Shirley-Ann Eaton, lecturer, DOMS.

RESEARCH GRANTS

Dr. Delroy Chevers' application for a New Initiative Research Grant was approved for the project “Promoting the adoption of software process improvement (SPI) programs and Internet-enabled technologies in the English-speaking Caribbean”. The grant becomes effective August 2011.

Dr. Lawrence Nicholson's application for a New Initiative Fellowship Programme administered by the Office of the Principal-UWI Mona was approved. The project will conduct research on “Caribbean Family Business: Their Voices on Strategic and Entrepreneurial Imperatives”. The fellowship will become effective August 2011.

STUDENT ENRICHMENT

Since October 2010, regular meetings with the Executive have resulted in the development of job descriptions for all the key posts and a constitution. The Society has been reorganized to focus on the key areas of Vision, Vibes and Vitality. They are currently planning a recruitment drive and outreach programme which will involve mentorship of high school students desirous of attending UWI and pursuing a career in Tourism.

The Student Enrichment Committee hosted a Management Studies Award Ceremony on Thursday November 18th where eighty-one (81) students, the top 3 for each year group in each degree offering, were presented with awards. Each awardee received a trophy and a certificate while the runners up received certificates. All third year awardees received a package from the Mona School of Business.

Dr. Trevor Smith served as Academic coach for the 2011 UWI, Mona team, which competed in the FirstCaribbean International Bank Case Analysis Competition. The team won the prizes of Best Case analysis and Best Overall Presenter.

PUBLIC SERVICE

Celia Blake

- Member, Board of the Bank of Jamaica.

Anne Crick

- Attendee, CHTM's quality assurance review exercise.
- Director, JMMB
- Director, HEART Trust
- Member, Advisory Board - College of Insurance and Professional Studies

Lou Anne Barclay

- Member, Multilateral Investment Fund Project Steering Committee, administered by the Competitiveness Company of Jamaica.

Densil Williams

- Lead Facilitator, RADA Board of Directors Retreat- Eden Gardens
- Director, Caribbean Brands

K'adamawe K'nIfe

- Member, Board of the National Organization of Deported Migrants.

Mr. Michael Roofe

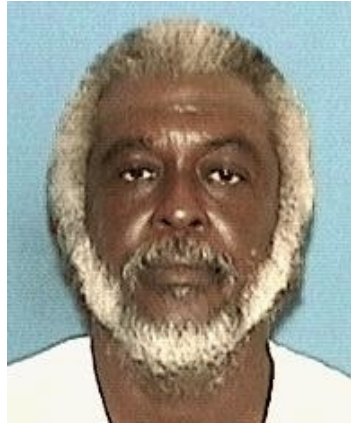
- President, GSB Cooperative Credit Union Limited
- Director, Credit Union Fund Management Company Ltd
- Director and Chairman, Finance Committee Creative Production and Training Centre.

DEPARTMENT OF SOCIOLOGY, PSYCHOLOGY AND SOCIAL WORK

Clement Branche, BSc UWI, MSc, *London School of Economics*
– Head of Department

WORK OF THE DEPARTMENT

During the 2010/11 academic year the Department of Sociology, Psychology and Social Work continued its efforts to implement the action plans arising from University's strategic plan and the internal and external quality assurance reviews of the Department conducted in 2008/09. The Department is pursuing its effort to establish a presence (conceptual and empirical) in the several types of Jamaican communities and to fill all psycho-socio-cultural knowledge gaps as they relate to the resilience and development of these communities.



Course Development

The Criminology Unit developed two new courses in Restorative Justice to strengthen the Department's Minor in Criminology. Theory and Practice of Restorative Justice I (SOC1 3046) was taught in Semester II, 2010/11 for the first time and the Unit is finalizing the course outline for Theory and Practice of Restorative Justice II for submission to AQUAC. These two courses will also form part of the Criminology Major which will be offered jointly with the Department of Government in the next academic year.

The Anthropology Unit completed development of a new level one course to introduce incoming students to the discipline. Introduction to Anthropology (SOC1 1006) will be taught for the first time in Semester I

of the 2011/12 academic year. The graduate course Critical Approaches to Caribbean Society and Culture, SOCI6080 was redesigned to enhance students' research skills. Students will learn more about research design and will be required to develop and test a research instrument.

Major Activities

The Social Work Unit held a series of activities to mark the 50th Anniversary of the Social Work Programme at UWI. The high point of the celebrations was a Public Forum on March 17, 2011. The forum featured a presentation by The Hon Claudia Groome-Duke, Secretary for Education, Youth Affairs & Sport of the Tobago House of Assembly. Mrs Groome-Duke is a member of the first cohort of graduates of the Master of Social Work programme which was introduced in 1993. Other speakers included Mrs. Carla Francis-Edie, CEO of the Child Development Agency, Mr Wilfred Talbert of the Citizens Security and Justice Programme in the Ministry of National Security and Unit Coordinator, Dr Peta-Anne Baker. The forum was attended by members of staff from several social work agencies. Special recognition was given to a number of social work pioneers who were present, including members of the first graduating class such as Mr. Las Lewis, who most recently was Executive Director of the Jamaica Foundation for Lifelong Learning.

Students from the social work programmes at the Northern Caribbean University and the Jamaica Theological Seminary participated in the **Forum and a workshop** to review the proposed **Code of Ethics** for Jamaican Social Workers, developed by Dr Peta-Anne Baker.

Between March 26 and April 3, five MSW students took part in a study tour to New York led by Dr. Peta-Anne Baker as an enrichment of the Methods of Policy Practice course. The group attended the annual Social Work at the United Nations Day event that is organised jointly by the International Association of Schools of Social Work (IASSW) and International Federation of Social Workers (IFSW). In New York City, the group visited agencies involved in advocacy on behalf of children, persons in prison and persons with disabilities. They also had an opportunity to meet members of the Connecticut State Legislature during a visit organised by partners of the UWI programme, the University of

Connecticut (UConn) School of Social Work. Dr. Baker was presented with a Citation from the Connecticut General Assembly, honouring the work of the UWI in the field of social work education.

The Social Work Unit was proud to have one of its Master of Social Work students (graduating November 2011) be the first student to have an article included in the Caribbean Journal of Social Work under a new policy adopted by the journal to make space for students' work of high quality. The case, "Blowing the Whistle on Organisational Malpractice" which was accepted for publication was originally written as an assignment for the Professional Development and Ethical Issues in the Human Services course.

Graduate students in the year-long Social Assessment (SA) graduate course completed a comprehensive Social Assessment of the UWI/August Town Township Project. Their study comprised a participatory review of the design and implementation of the Township Project, in order to make recommendation to strengthen the programme and optimize outcomes.

The students hosted two stakeholder validation exercises, the first with community members and study participants and the second with key community leaders, the Principal, Professor Gordon Shirley, and other senior administrators of the Township Project on June 14, 2011. The SA methodology emphasizes the importance of community ownership of research findings and project sustainability. The Principal was impressed with the work done and felt that the students' policy/programme related recommendations should be incorporated into the Township Project's future plans.

The Psychology Unit's Memorandum of Understanding with the Mustard Seed Communities continues to be active. Under the MOU, the Psychology Unit provides expertise in diagnostic assessment of residents, therapeutic interventions for residents and staff training and development. Staff members have also been responsive to various issues of social concern inclusive of the recent social disturbances in West Kingston.

The Psychology Unit served as host to one Haitian graduate student within the frame work of the UWI's Haitian post earthquake response

initiative. The student successfully took several courses in the applied psychology programme. During the summer of 2011, the Unit, with the support of several graduate students, engaged with the Jamaica Ministry of Education in the psycho-educational testing of several hundred students in Western Jamaica.

The Caribbean Journal of Psychology (CJP) Volume 4, Issue 1 was published online at <http://ojs.mona.uwi.edu/index.php/cjpsy/index>, in July, 2011. This marks the second online publication of an issue from this journal and the first website for communicating with the Journal's audience. The CJP is making use of UWI's web facilities for both dissemination of information and managing the submission, review and publication processes.

The BSc in Psychology at Western Jamaica Campus is continuing its growth in terms of enrolment and courses being offered. Students receive the same course content and methods of assessment and there is healthy collaboration with Mona Campus staff in this regard. Over the period efforts have been made to more fully integrate the operations of the WJC Psychology with that of Mona with a view towards consolidating both as a single Psychology Unit.

The external quality assurance review of the Human Resource Development Unit was conducted during the year. The Unit's programmes were compared with over 40 others of its kind offered internationally. While the reviewers found that the Unit's programmes were competitive, they identified some areas which need to be strengthened. These improvements will be implemented in the upcoming academic year.

The Caribbean Internship Project, managed by the Department's Centre for Population, Community and Social Change, in collaboration with the Caribbean Child Support Initiative, (CCSI) and the Bernard van Leer Foundation (BVLf), has continued to play a pivotal role in assisting the CCSI's partner agencies in the region to strengthen the care environment for Caribbean children. Through the work of the Caribbean Internship Project (CIP), interns from the UWI have been assigned to a range of child development programmes, and agencies in the region. This has improved

service delivery at the agency level, improved outcomes for children and families targeted and strengthened community ownership and advocacy for projects undertaken at the community level. The CIP experience has enhanced student learning and strengthened their ability to engage in real life problem-solving.

Thirty-three interns from the three UWI campuses were assigned between January and July 2010, drawn from five Caribbean countries. Twenty-four (24) served the Roving Caregivers Early Childhood Education Programme (RCP) in St. Vincent and the Grenadines, St. Lucia, Dominica, Grenada and Belize. Eight (8) interns were assigned to Government Ministries in Grenada, Dominica and Belize and one (1) to a Non-Government agency in St. Lucia. As the BvLF funding partnership with the UWI ends in December 2011, the CIP has sought to develop new partnership arrangements with the UWI community and Regional Government Ministries to ensure its future sustainability.

Departmental Seminars

The 15th annual Derek Gordon Research Seminar, which showcases the research of graduate students, was held on February 24, 2011 under the theme “*Exploring the Challenges of Life and Livelihoods in the Workplace and Community*”. Four graduate students, three of them from the Master of Social Work programme, made individual paper presentations. These papers variously addressed the issues of the deployment of case managers in the island’s correctional institutions, factors affecting the return to employment of persons who become disabled, the impact of the mission statement on organisational performance, and work climate and motivation in a corporate organisation. An innovation of the presentations was that one was made using Skype to facilitate one of the MSWs who had recently secured work in London, England. Three graduate students from the Sociology and Anthropology programmes were part of a panel presentation which examined the impact of the closure of the Windalco bauxite plant on the town of Ewarton in Clarendon.

The Anthropology Unit held its 3rd annual Anthropology Day on Friday October 15th, 2010 under the theme *Caribbean Rhythms: Cultural Heritage and Resistance*. The day, which seeks to raise awareness and appreciation of the

importance of Anthropology, was well supported by staff and students. The programme included stimulating presentations by Dr. Erna Brodber, Dr. L'Antoinette Stines and an exciting display of the Brazilian art form Capoeira, by the Cativeiro Capoeira Group.

Dr. Michael Barnett organized the International Reggae Day Reggae Symposium on June 30, 2011. The event was well attended and featured several prominent members of the music industry and Faculty from the UWI. Dr. Barnett was also one of the key organisers of the Inaugural Leonard Howell Rastafari Conference held in June 2010, the Inaugural Rastafari Studies Conference held in August 2010 and the Peter Tosh Symposium held in October 2010.

The Human Resource Development Unit hosted two Public seminars in April 2011 to examine important issues for practitioners of the discipline. On April 13, 2011 Dr. Dulce McFarlane addressed the importance of diversity within contemporary organisations, while on April 27, 2011, Dr. Paula Cruise gave a comprehensive presentation on using scientific assessment to transform organisations.

Staff Developments

Dr. John Talbot, Senior Lecturer, was granted Fellowship leave for two years, from August 1, 2011 and Dr. Peta-Anne Baker, Lecturer, was granted Sabbatical Leave. Professor Ian Boxill was appointed the Carlton Alexander Chair in Management Studies in November 2010. He now heads the Institute of Tourism and Policy Research.

Professors Patricia Anderson and Bernard Headley retired in September 2010 and July 2011, respectively. Mr. Colin Williams, Lecturer, resigned to continue a World Bank assignment in Nigeria. Dr. Doreen Gordon, Lecturer, began a post-doctoral fellowship at the University of Pretoria in February 2011. Ms. Rashalee Mitchell, Teaching Assistant, completed a Summer Fellowship in Canada during July – August 2011 with the Centre for Addiction and Mental Health (CAMH) and the Inter-American Drug Control Commission (CICAD).

Mrs. Wendy McLean-Cooke, Lecturer, received a scholarship under the CARICOM-Canada Faculty Leadership programme to undertake work at York University in Toronto, Canada. Ms McLean pursued her programme between September 2010 - February 2011 and was able to pursue courses relevant to her current teaching assignments. Dr. Sandra Chadwick-Parkes joined the Social Work Unit in Semester 2 of 2010/2011. Dr. Parkes, who has taught at the University of Guelph in Canada, comes to the Department with a background in Public Administration and Rural Development.

Dr. Sharon Priestley, lecturer, successfully defended her PhD thesis in October 2010 and was awarded PhD Demography (with High Commendation) in May 2011. Mr. Julian Devonish, lecturer, submitted his PhD thesis for examination in July, 2011.

PAPERS PRESENTED

Anderson, Moji

- ‘It took a piece of me’: liminality and biographical disruption as responses to an HIV diagnosis.’ First International HIV Social Sciences and Humanities Conference, Durban, South Africa, June 11-13, 2011.
- “Sexual Health Services: Perspectives of Caribbean Patients in London.” First International Conference on Qualitative Research in Nursing and Health, Chiang Rai, Thailand, December 1-3, 2010.
- “I am a man by saying that mi nah guh use the word: Language as shibboleth of Jamaican masculinity.” American Anthropological Association, New Orleans, USA, November 17-21, 2010.

Bailey, Arlene

- with Ngwenyama, O. (2010) “Community Mediation and Violence Prevention through Telecentre Usage: ICTs mediating the ‘Border Line’”, Association for Information Systems Special

Interest Group on ICT and Global Development Third Annual Workshop, St. Louis, Missouri, USA, December 12, 2010.

Barnett, Michael

- “The Barack Obama Presidency and its Impact on Perspectives on Race in the Caribbean”. 40th Conference of the Association of Black Sociologists, August 11-14, 2010, Atlanta, USA.
- “Reflections on the University Report and Rex Nettleford’s Impact on the Trajectory of Rastafari Scholarship”. Inaugural Rastafari Studies Conference, UWI Mona Campus, August 17-20, 2010.
- “From Combsomes to Dreadlocks, from Repatriation to Routinization: Professor Chevannes as the Academic Successor to Professor Nettleford”. 36th Caribbean Studies Association Conference, May 30- June 3, 2011, Curacao.
- “Revisiting Leonard Howell as the First Rasta”. Inaugural Leonard Percival Howell Conference UWI Mona Campus, June 17-18, 2011.

Beckford, Orville

- “UWI graduates and their perceptions of the Cultural relevance of their programmes: The case of UWI Department of Management Studies”. ACPA Annual Conference March 27 – March 30, 2011, Baltimore, USA.

Brodie-Walker, Stacey

- “Eating Disorders in the Jamaican Child” Western Regional Mental Health Services. Child and Adolescent Mental Health Symposium, June 30, 2011.

Daley, Camille

- “Structural Factors Influencing Education Outcomes for Secondary School Students with Sickle Cell Disease in Jamaica”. American Sociological Association 105th Annual Meeting, August 14-17th, 2010, Atlanta, Georgia, USA.

Bernard Headley

- “Deportee Nation”, Raphael Conference on Migration and Development, February 2011, UWI, Mona,

Govia, I. O.

- “Aging women in Jamaica: An intersectional perspective on their relationships and health.” New York Academy of Sciences’ Symposium, “Women, Power, and Aging”, September, 2010. Pace University, New York, NY, USA.

Lipps, Garth

- with De La Haye W, Clarke T, Lowe G, Longman-Mills S, Barton EN, & Bain B (2010). “HIV and Depression”. 7th Caribbean Cytometry and Analytical Society HIV/AIDS Workshop, St. Michael’s, Barbados, August 26, 2010.

Mitchell, Rashalee & Branche, Clement

- “Ambivalence, Gender, Sex and Child Sexual Abuse in Jamaica and the Caribbean,” 36th Annual Conference of the Caribbean Studies Association, May 30 – June 3, 2011, Curacao.
- “Youth Resilience and Social Policy,” Sir Arthur Lewis Institute for Social and Economic Research (SALISES) 12th Annual Conference, UWI, Mona, March 23-25, 2011, Jamaica Pegasus Hotel, Kingston.
- “Developing an Identity Centred Model for the Caribbean: Youth and Social Theory in the Caribbean” Caribbean Child Research Conference, October 20-21, 2010, Jamaica Conference Centre, Kingston.

Ricketts, Heather

- (with Shari-Anne Hamil and Marsha Windross) “Crisis and Household Vulnerability: Implications for children.” Caribbean Child Research Conference, October 20-21, 2010, Jamaica Conference Centre, Kingston.

- “Economic Crisis and Household Vulnerability: Assessing implications for children, youth and social protection programmes in Jamaica.” Sir Arthur Lewis Institute for Social and Economic Research (SALISES) 12th Annual Conference, UWI, Mona, March 23-25, 2011, Jamaica Pegasus Hotel, Kingston.

Shillingford, Aldene

- “Reinvigorating the Caribbean Integration Movement: Internships for Regional Community Institutional Building”. Caribbean & International Social Work Educators Conference, July 11-15, 2011, Fort de France, Martinique.

Public Lectures

- **Baker, Peta-Anne** “Poverty, Inequality and Disaster Risk Reduction in the Caribbean”. Hokenstad International Lecture. Council on Social Work Education (CSWE) Annual Programme Meeting, Portland, Oregon, October 17, 2010.
- **Barnett, Michael** “The Impact of Rastafari on the Culture of Jamaica and the World”. Nova South Eastern University, June 2011, Fort Lauderdale, South Florida, USA.
- **Gayle, Herbert** “The Place of Women in Jamaica’s Politics.” Rose Leon Public Lecture Series. PCJ Auditorium, Kingston, Jamaica, March 7, 2011.
- **Mitchell, Rashalee** “Inspired Women for Future Change” Lecture at Trench Town High School Girls Day Feb. 17, 2011, Kingston.
- **Stacey Brodie-Walker** “What is Counseling Psychology? Analysis and Treatment of Eating Disorders.” November 15, 2010. International University of the Caribbean: Psychology Day.

Poster Presentations

- **Govia, Ishtar** “Discrimination and distress: Moderating factors for non-Hispanic Black Caribbeans in the United States.” 12th

Annual Society for Social and Personality Psychology Meeting,
January 2011, San Antonio, Texas, USA

PUBLICATIONS

Books/Monographs

- * **Stacey Brodie Walker.** Juvenile Delinquency among African-American Adolescents. Lambert Academic Publishing AG & Co. KG (2010)
- * **Bernard Headley** (2011), Making Your Way Back Home in Jamaica: 14 Essential Steps for Reconnecting after Deportation (Editor). (Phoenix, Kingston); 2011

Book Chapters

Peta-Anne Baker

- * “Institutional pressures and social work ethics: a case from Jamaica”. In Sarah Banks and Kirsten Nøhr Eds., Practising Social Work Ethics around the World: Cases and Commentaries. (pp. 238-241) Rutledge. 2012
- * “Commentary on ‘When the tables turned’: A social work intern’s moral dilemma in a Botswana police station”. In Sarah Banks and Kirsten Nøhr Eds., Practising Social Work Ethics Around the World: Cases and Commentaries. (pp. 51-52) Rutledge. 2012.
- * “Social Work in the Caribbean” with John A Maxwell. In Lynne Healy and Rosemary Link, Eds., Handbook of International Social Work - Human Rights, Development, and the Global Profession. (pp. 982-997). Oxford University Press. 2011.
- * “Regulators of the Global Economy: The IMF, the World Bank & the WTO” with Kimberly Hinds. In Lynne Healy and Rosemary Link, Eds., Handbook of International Social Work - Human Rights, Development, and the Global Profession. (pp. 823-842) Oxford University Press. 2011.

Govia, Istar

- * (with J.S. Jackson, & S. Sellers). "Social inequalities". In *Handbook of lifespan development*. Ed. by K. Fingerma, C. Berg, T. Antonucci, & J. Smith. New York: Springer Publishers, 2011, 729-746.
- * (with J.S. Jackson, & S. Sellers). "Race and ethnic differences in aging: A life-course perspective". In *Handbook of aging and the social sciences, Seventh Edition*. Ed. by R. H. Binstock & L. K. George. San Diego, CA: Academic Press, 2011, 91-120.

Refereed Journal Articles

Anderson, Moji

- * (with S. Gerver, C. Mercer, I. Solarin, G. Elam, K. Fenton, G. Garnett, P. Easterbrook). "Sexual risk behaviours and sexual health outcomes of black Caribbeans (The LIVITY study): Comparison with national probability survey data". *International Journal of STD and AIDS* 22 (2010): 85-90.
- * (with G. Elam, S. Gerver, I. Solarin, K. Fenton, P. Easterbrook). "It Took a Piece of Me": Initial Responses to an HIV Positive Diagnosis By Caribbean People in the UK. *AIDS Care* 22, 12 (2010): 1493-1498.

Bailey, Arlene

- * (with Ngwenyama, O.) (2011): "The Challenge of e-Participation in the Digital City: Exploring Generational Influences among Community Telecentre Users", *Telematics and Informatics*, 28, 3: 204-214.

Baker, Peta-Anne.

- * "Poverty, Inequality and Disaster Risk Reduction in the Caribbean." *Caribbean Journal of Social Work*. Vol. 8&9: 11-31.

**Allen, Lita; Donalds, Shanika; Hinds, Kimberly;
McLean Cooke, Wendy**

- * “Preparing to Practise: An Experiential Laboratory Approach for Beginning Social Work Students”. *Caribbean Journal of Social Work* Vol. 8&9: 78-95, (2010)
- * **Barnett, Michael** & James, Andrene. (2011) “Marcus Garvey as the Father of Pan-Africanism, Black Nationalism and Ethiopianism”. 76 King Street: *Journal of Liberty Hall, the legacy of Marcus Garvey*. Vol. 2: 81-94.
- * **Barnett, Michael**. (2010) “The Rise of Capitalism: A Pan-Africanist Perspective”. *Caribbean Journal of Religious Studies*. Vol 22,(1): 3-9.
- * **Brodie Walker, Stacey** and Kai Morgan. (2011) “Factors Impacting Juvenile Delinquency in Jamaican and African-American Adolescents.” *International Journal of Business and Social Science*, 2(5): 39-49.
- * **Ffrench, Sean and Wilson, Shakeisha** (2010) “Reviewing Participation as a tool for people centered development”. *Caribbean Journal of Social Work*, Vols. 8 & 9: 54-77
- * **Lipps, Garth** & Thomas, J. A. (2011). Subjective Well-Being of Adults with Homozygous Sickle Cell Disease In Jamaica. *West Indian Medical Journal*, 60 (2), 181-187.
- * **Lipps, G.**, Lowe, G. A., De La Haye, W., Longman-Mills, S., Barton, E. N., Clarke, T. & Bain, B. (2010). Validation of the Beck Depression Inventory – II in HIV Positive Patients. *West Indian Medical Journal*, 59 (4), 374-379.
- * De La Haye W, Clarke T, **Lipps G**, Lowe G, Longman-Mills S, Barton E. N. & Bain, B. (2010). The Patterns of Depressive Symptoms among HIV Patients. *West Indian Medical Journal*, 59 (4), 380-385.

- * **Ramkissoon, Marina.** (2011). “Psychology, recession and the future: Are you hopeful?”. *Caribbean Journal of Psychology*, 4(1), 1-4.

Non-Refereed Publications

- * **Edwards, Dennis** (2011) “Collaboration of UWI and Columbia University” in Kingston Harbour: Development Transects (pp. 42-43). Columbia University, New York.

Technical Reports

- * Marshall, A. and **Anderson, Moji** (2010). Tertiary Level LGBT Youth: Experiences and Challenges. Prepared for PRIDE in Action. (48 pages).
- * **Patricia Anderson & Heather Ricketts** (2011). When Red Gold Fades: The Impact of the Global Economic Crisis on the Jamaican Bauxite Industry (A Case Study of Ewarton). UWI Mona: Department of Sociology, Psychology and Social Work. Report submitted to the Office of the Principal, April, 2011.
- * **Gayle, Herbert** Male Social Participation in Urban Belize: An Examination of Young Males’ Experience with Gun, Gold, Gang, God and Governance, October 2010 (400 pages) Prepared for the Government of Belize.
- * **Headley, Bernard** Supporting Deported Migrants and their Families. Final Report prepared for the European Union and UNDP Supporting Deported Migrants Project, July 2011.

RESEARCH GRANTS

Dr. Arlene Bailey received the 2011 Canadian Bureau for International Education - CARICOM Faculty Leadership Program Research Grant of CAN\$3,000.

Dr. Ishtar Govia received the 2011 Principal’s New Initiative Grant of \$J1,814,400 for the study, “Between Heaven and Health: The Well-Being of Jamaicans at Home and Abroad”, UWI, Mona.

AWARDS

Dr. Arlene Bailey, lecturer, was awarded Most Outstanding PhD Thesis 2009/2010, UWI Mona.

Ms. Camille Daley, Teaching Assistant, accepted the First Caribbean Unsung Heroes Award for her work leading the Sickle Cell Support Club of Jamaica in October 2010.

PUBLIC SERVICE

Baker, Peta-Anne

- International Editorial Advisor, British Journal of Social Work
- Co-Chair, Committee to Review the International Definition of Social Work, International Association of Schools of Social Work (IASSW).
- Chief Judge, Panel of Judges, Michael Manley Foundation Award for Community Self-Reliance.

Barnett, Michael

- Member, Fundraising Board for Haile Selassie High School.

Beckford, Orville

- Member, Kingston College Old Boys Association – Teacher & Student Grant's Committee
- Volunteer, St Catherine Branch of the Red Cross Association

Branche, Clement

- Member, The Bridge Jamaica Steering Committee – PATH programme

Brodie-Walker, Stacy

- Assistant Editor - Caribbean Journal of Psychology
- Consulting Editor – International Humanities Review

Daley, Camille

- Director, Sickle Cell Support Club of Jamaica

Devonish, Julian

- UWI Representative, Census 2011 Technical Sub-committee on Demographic Methods, Statistical Institute of Jamaica
- Reviewer, Economic and Social Survey of Jamaica
- UWI Representative, Planning Institute of Jamaica's Population Policy Co-ordinating Committee (PPCC)

Edwards, Dennis

- Member, Jamaica Red Cross - Developing Manual for assisting persons with disabilities cope in times of disaster and trauma.
- Member, Hearing Health Foundation of the Caribbean
- Member, Jamaica Independent Schools Association, Ministry of Education

Ffrench, Sean

- Executive Member, Jamaica College Old Boys Association

Gayle, Herbert

- Member, Board of Management of Children First Agency.
- Member, Board of Management, Griffin Trust, Jamaica (Managers of Hush the Guns Project).
- Chairman, Fathers Incorporated

Gordon, Michael

- Provision of Counselling, Dispute Management and Conflict Resolution services for the Matilda's Corner Police Division

Govia, Istar

- Chair, Caribbean Regional Conference in Psychology 2011, Scientific Program Committee
- Member, Caribbean Regional Conference in Psychology 2011, Conference Organizing Committee
- Ad Hoc reviewer, Caribbean Journal of Psychology

Headley, Bernard

- Board Member, Families United for Reunification (FURI), New York
- Chair, Board and Facilitator, National Organisation of Deported Migrants, Kingston

Priestley, Sharon

- UWI Representative, Adolescent Reproductive Health Policy Working Group of the Ministry of Health.
- Member, Planning Institute of Jamaica (PIOJ) Informal Working Group on Vital Statistics.

Ricketts, Heather

- Member, Steering Committee - Effective Social Protection, Planning Institute of Jamaica and Ministry of Labour and Social Security
- Member, Technical Steering Committee, Jamaica Survey of Living Conditions (JSLC).

Shillingford, Aldene

- Executive Member, Association of Caribbean Social Work Educators

Wilson, Shakeisha

- Member, Advisory Board, Jamaica Community of Positive Women (JCW)

**INSTITUTES AND
RESEARCH
CENTRES LOCATED

AT MONA**

Year ending July 31, 2011

CONFUCIUS INSTITUTE

Courtney A. Hogarth, PhD (*Central Academy of Fine Arts, Beijing*),
Shao Gang Lu, BA (*Beijing Foreign Studies University*)

WORK OF INSTITUTE

Full operations at the Confucius Institute (CI), University of the West Indies, started in September 2010, with assumption of duties by Dr. Courtney A. Hogarth on August 1, 2010, following an official opening in July, 2010. Prof. Lu Shaogang arrived in the island on February 20, 2011 to assume duties as the Chinese Director, sent by Hanban, through our partner university, Taiyuan University of Technology, in Taiyuan City, Shanxi Province.



Advisory Board Meeting

In September 2010, members of the Advisory Board visited from Taiyuan University of Technology (TUT) in Taiyuan City, Shanxi Province. They were: Mr Jia Jianyi, Deputy Director-General of Shanxi Bureau of Higher Education, Prof. Xu Bingshe, Vice-President of TUT, Dr. Li Wenying, Head, Foreign Affairs Office and Dean, College of International Education Exchange and Prof. Zhao Anyuan, Vice-Dean, College of International Education Exchange. This group was in Jamaica to have the annual meeting of the Board of Directors.

Local Advisory Board

With agreement from the Board of Directors, the CI at UWI formed a Local Advisory Board, consisting of members from the Jamaican Chinese community, academia and the business world. This Local Advisory Board was set up, primarily to:

- a) Assist the Board of Directors in fund raising efforts.
- b) Advise on meaningful programmes for the Jamaican community.
- c) Suggest possible partnerships for activities of the CI.
- d) To promote the CI in respective organizations.

Training for Foreign Directors

Jamaican Director, Dr. Courtney A. Hogarth attended Training for Foreign Directors of the CI, in October, 2010, in Beijing, China. This was held at the People's University of China, and attended by CI Directors from all over the globe.

Prior to this training session, Dr. Hogarth accepted an invitation by Profs. Zhao Anyuan and Lu Shaogang, of TUT, to visit Taiyuan City. During this visit he made initial contact with Prof. Sun Xihuan, of the School of Water Resources Management, TUT. This meeting came out of the fact that Dean Kahwa, Faculty of Pure and Applied Sciences, Mona, had suggested to the delegation that visited in September that he would be interested in pursuing collaboration along those lines.

Cross-Faculty Collaborations:

The CI has managed, in its brief period of operation, to network with other faculties at the University of the West Indies. We have met with Dean Kahwa, Faculty of Pure and Applied Sciences. In the one year that we have been communicating with him, tangible results can be seen, as we expect a delegation to visit from TUT, China, directly related to our efforts.

The Jamaican Director has met with Professor Duggan, Director of the Mona School of Business. We are trying to forge partnerships with that institution from which we will mutually benefit.

Ongoing discussions with Prof. Barton, of the Department of Medicine, will hopefully see some significant links with institutions of higher learning in China that specialize in Traditional Chinese Medicine, having a direct

relationship with his department. The CI and Prof. Barton are still collaborating on this.

Annual Meeting of Confucius Institute International

The Jamaican Director attended the 5th Annual Meeting of the Confucius Institute in December, 2010, in Beijing, China. The theme for this meeting examined questions of how the Confucius Institute International would move forward. Also during this time valuable dialogue was sought, on behalf of Prof. Everard Barton, Department of Medicine, as to how collaborations could be established with institutions of higher learning which focus on Traditional Chinese Medicine.

San Francisco Conference

Professor Lu attended a Chinese Language Conference in San Francisco and submitted his report to the Principal's Office. Jamaican Director, Dr. Courtney A. Hogarth was unable to attend due to personal reasons.

Regional Meeting of the Confucius Institute

In June, the Regional Meeting of the Confucius Institute was held in Buenos Aires, Argentina from June 20-24. Prof. Lu and Dr. Hogarth attended. This meeting was presided over by Madam Xu Lin, head of Hanban, and hosted by the Buenos Aires University. It was successful, with slight language difficulties at times. The aim of this regional meeting was to discuss how exactly CIs in the region would go forward. The Five Year Plan, presented prior to the meeting, was discussed. The Directors of many CIs were given the chance to speak about the nature of problems they faced, and how these could be dealt with through the direct intervention of university officials, embassies, etc.

Advisory Board Meeting

During the month of July, Professor Gordon Shirley, Dr. Paulette Ramsay and Dr. Courtney A. Hogarth all travelled to Taiyuan University of Technology for the second Annual General Meeting of the Advisory Board. Professor Lu Shaogang, who had journeyed on ahead joined us for

this meeting. Even though it was the second meeting in the same academic year, yet it was in two different years. The Hanban year runs from January – December, unlike the Academic Year of the UWI which goes from September - July.

This meeting of the Advisory Board was quite productive. Aside from discussing matters relating to the general operations of the CI at UWI, there were meetings with the heads of different colleges of TUT. In particular there were discussions with Prof. Sun Xihuan, Head of the College of Water Resources Management, who will shortly be invited to Jamaica to undertake discussions with Dean Kahwa, of Faculty of Pure and Applied Sciences on underground water in Jamaica.

Of particular importance were discussions to do with staff/student exchange. This will be further discussed and plans will be put in place to realize same as time passes.

The delegation from the UWI was well received at TUT. One could see that preparations were made to welcome Principal Shirley and those who travelled with him. Tours of different Departments/Colleges were organized.

In reporting on the academic year 2010-2011, it can be summed up, fairly, that it was a successful and significant year for the CI and its undertakings. It was a very productive first year, in which we undertook many varied activities, most of which were resounding successes. We started with, and managed to maintain a certain momentum. This allowed us to be visible both on and off campus.

Outreach

The CI continues to reach out to the community. It is safe to say that we have managed to be visible to the wider Jamaica. Individuals continue to come to the CI to enquire about our courses, to see our films and generally to be updated on what exactly we do.

We have had an ongoing and fruitful relationship with the Chinese Embassy in Kingston, formerly headed by Ambassador Chen Jinghua, who has since been replaced by Mr. Zheng Qingdian. It must be noted that

Mrs. Song Huiping, whose tenure has come to its end, worked tirelessly to see to the success of endeavours at the CI, and to the CI itself.

Mid-Autumn Festival

We celebrated our first Mid-Autumn Festival on September 22, 2010. There were about fifty (50) people in attendance. Principal of Mona, Professor Gordon Shirley and Ambassador Chen Jinghua, of the Chinese Embassy in Kingston, were in attendance and brought greetings. Chinese teacher, Ms. Feng Yan, prepared a brief documentary on the history of the Festival.

Spring Festival/Temple Fair

On February 11, 2011 we celebrated our second and largest festival, Spring Festival. Spring Festival was observed at the CI with a day-long Temple Fair. The concept of the Temple Fair was for the first time introduced to Jamaicans (possibly the Caribbean region). Originally slated to run from 10:00 a.m. to 4:00 p.m. it went over by about ninety minutes, ending somewhere round about 5:30 p.m. The fair saw about 400 people during the course of the day. There were several activities and attractions during the Temple Fair. We had Tai Chi performances, lion dance, Chinese cuisine, Chinese music, including Mrs. Song who attended with her Gu Zheng (stringed instrument) which Jamaicans tried their hand at playing. There were several vendors selling all sorts of wares and trinkets. The Temple Fair was a smashing success, and is to become a fixture on the calendar of the CI.

On the evening of the same day, we had a private reception to celebrate the Spring Festival. This was attended by Prof. Gordon Shirley, Principal, and Ambassador Chen Jinghua, both of whom brought greetings.

Dragon Boat Festival

On June 6, 2011 we celebrated the Dragon Boat Festival. This was attended by Ambassador Zheng Qingdian, who had by this time replaced Mr. Chen Jinghua. The Dragon Boat Festival saw about 30 – 40 people in attendance. At this festival, Prof Lu gave a brief presentation on the

significance of the Dragon Boat Festival and how it originated. Jamaicans were taught how to make glutinous rice cakes (zongzi) by Mr. Lu, a Chinese chef living here.

Visiting Troupe (Rhythmic Colours of China)

On April 13, 2011, the Beijing Language and Culture University (BLCU) Arts Troupe arrived in Jamaica via Cuba, accompanied by Vice President of the BLCU, Mr. Huo Mingjie, and celebrated Chinese film director, Professor Xie Fei. They were in the island for three performances. Their first two performances were at the Philip Sherlock Centre for the Creative Arts, on the Mona Campus (March 14 & 15). These were well attended by both students and individuals from the community.

On Wednesday, March 16, saw the biggest performance of this visiting troupe in a large-scale performance called '**Rhythmic Colours of China**' at the Courtleigh Auditorium in New Kingston. This performance was under the distinguished patronage of the Most Honourable Percival James Patterson, former Prime Minister of Jamaica. There were about 400 people in attendance at this performance. Professor Xie Fei showed his film '**A Girl from Hunan**' at the end of the performance. It was well received by the audience who would have sought discussion on some of the themes examined did time permit.

There were two visual artists who came with the BLCU Arts Troupe. Ms. Wang Yang is a Chinese painter and Prof. Wang Yuechuan, a calligrapher. On Monday, March 14, 2011, their work was shown at the multi-function room, Main Library, UWI. This was poorly attended and many people indicated that the timing was bad.

Film of the Month

This is a consistent activity which has been running uninterrupted. A film is shown on the last Friday of each month, at least fifteen to twenty persons attend each showing.

PBC Jamaica Chinese Culture Documentary

In September 2010, local television station, PBC, featured an episode on Chinese Culture. The Confucius Institute was contacted for participation. Ms. Feng Yan, our Chinese teacher, demonstrated the tea ceremony, Ms. Song Huiping, of the Chinese Embassy demonstrated her gu zheng skills at the Confucius Institute. Dr. Hogarth invited the television team to his home where he demonstrated Chinese calligraphy, as well as Tai Chi. This was later broadcasted to the Jamaican public.

Issues & Answers

Dr. Courtney A. Hogarth was invited by Mr. Ian Boyne to appear on his television programme, Issues & Answers. On January 19, 2011 the interview was recorded at the Creative Production & Training Centre.

Primary School Outreach

On February 24, 2011, Jamaican Director, Dr. Hogarth was invited to prepare a presentation for the pupils of Ascot Primary, in Portmore, St. Catherine, in their Culture Day. There were about 150 students in attendance at this mini lecture. They got the chance to see a slide presentation and a demonstration of Chinese Calligraphy. They were particularly interested in the calligraphy.

After Prof. Lu joined the CI, he and Dr. Hogarth visited **New Providence Primary School**, on March 25, 2011 to give a presentation on Chinese Culture, in their Jamaica Day. This was well received by students and staff. They were quite interested in knowing about the Chinese Festivals, in particular.

Distinguished Visitors [Anniversary Lecture]

In celebration of the second anniversary since the CI was handed over to the UWI by Chinese Vice-President, Mr. Xi Jinping, we invited noted scholar and a 75th generation direct descendant of Confucius, Professor Kung Xiangde, of Memphis University, to deliver our Anniversary Lecture. The title of his address was **“The Emerging China from a**

Geographic Perspective”. This lecture was chaired by Dr. Courtney A. Hogarth. Principal Shirley brought greetings and spoke briefly on the work and function of the Confucius Institute within the Jamaican and university context.

Owing to the fact that Prof. Kung’s lecture was well advertised in the local press there were about 250 people in attendance. This lecture was very informative and well received by the audience who had several questions.

The CI sees Prof Kung’s visit as an integral part of that general thrust to establish international links across the globe, both with other universities, as well as with successful Confucius Institutes. In January 2011 three thousand books and two hundred DVDs were donated to the institute from the Chinese Language Council International (Hanban) in Beijing through the Chinese Embassy in Jamaica. The books were presented by H.E. Chen Jinghua, Ambassador of the People’s Republic of China, to Director, Dr. Courtney Hogarth and Head of Department of Modern Languages, Dr. Marie-Jose Nzengou- Tayo.

INCOME GENERATION

- **Tai Chi** \$213,000.00
- **Chinese Mandarin** \$555,000.00
- **Calligraphy** \$30,000.00
- **Film of the Month** \$184,840.00

PUBLICATION

Non-Refereed

- * **Courtney Hogarth**, “The world will need to speak with China. Confucius Institute working to spread **Chinese Language in Jamaica**”. *The Jamaica Observer*, Sunday, October 3, 2010.

Teachers & Volunteers

During our meetings at TUT, two teachers were presented to the Advisory Board. They will come to the CI at UWI to be teachers of Mandarin. They will remain for two years. We look forward to sharing in the knowledge and experience which these teachers have, as they are trained to impart Chinese to speakers of other languages.

After Prof. Shirley and Dr. Ramsay journeyed back to Jamaica, Dr. Hogarth met with Mr. Zhang Wangxi in Beijing. Mr. Zhang is a Master's level student, who has been identified by Hanban. He is expected to be in Jamaica from as early as October 2011. Like the two teachers from TUT, Mr. Zhang's area of specialization is also teaching Chinese to speakers of other languages.

INTERNATIONAL RELATIONS

The CI managed to be able to secure one month scholarships for two students of Mandarin. These students travelled to China during the month of July to study at Zhengzhou University in Henan Province. They are Mr. Adrian Lindsay, a full-time UWI student and Mr. Jonathan Chin, a student from the community. While their journey to China was not without incident, yet this presented a learning opportunity. Both students, challenges aside, have reported on how enlightening their journey and course of study had been.

In future there will be many such grants and scholarships from the Confucius Institute, presenting Jamaicans who have an interest in China, to be able to realize their dream of possibly studying/visiting this country.

CATEGORIES OF STUDENTS

Mandarin Chinese for the community – 33 students

Chinese Calligraphy – 5 students

Tai Chi – 15 students

EARTHQUAKE UNIT

Lyndon Brown, BSc UWI, MA CUNY, PhD UDEL – Head of Unit

EARTHQUAKE UNIT'S MISSION STATEMENT

Through operating the Jamaica Seismograph Network and affiliation with other Caribbean and regional networks, the Earthquake Unit seeks to understand earthquake processes in and around Jamaica and advise the society about earthquake hazards, thereby encouraging earthquake awareness and the application of mitigative strategies to development.

THE EARTHQUAKE UNIT

The Earthquake Unit (EQU) is a research unit of the university that is funded directly by the Government of Jamaica (GOJ) as the sole agency responsible for the monitoring of earthquakes and researching seismic hazards in Jamaica. The EQU is challenged annually to make the necessary upgrades because of shortfall in the budgetary allocations from the Govt. of Jamaica. However, this year saw an



increase in the allocations of 29.4 million dollars despite a shortfall of 5 million of the budgetary request to the Government of Jamaica. This increased allocation will allow the EQU to purchase an additional broadband seismograph unit as the Unit moves towards a digital network. The acquisition of this additional unit will make this unit the second of the minimum four (4) broadband seismograph network required by the EQU. This additional equipment will contribute to improving the data quality that can improve the seismic codes being used in the proposed national building code.

The EQU operates The Jamaica Seismograph Network (JSN) which is a network of 12 analog short period seismograph stations installed across the island (see figure 1). The data from the JSN station is transmitted to the Central Recording Station (CRS) at UWI-Mona in real time using radio equipment where the data is recorded on computers running data acquisition and processing software. The EQU also operates the Jamaica Strong Motion Network which is a network of 8 accelerographs installed across the island to record ground shaking for larger earthquakes. These instruments operate in a standby mode and start recording when triggered by an earthquake. They provide very important data that are used in seismic hazard assessment, studying the response of sites to ground shaking and provide parameters to be used in constructing or retrofitting important structures.

Another area of operation is the GPS network which has over 36 points across the island to monitor fault movement or strain accumulation over time. Over the past year at least 12 GPS points were monitored in this University of Wisconsin collaboration with the EQU. The EQU has acquired one broadband seismograph unit, now installed in the Stony Hill Station, where additional components to this station were installed including solar panels, and a new tower, new batteries and lightning protection system.

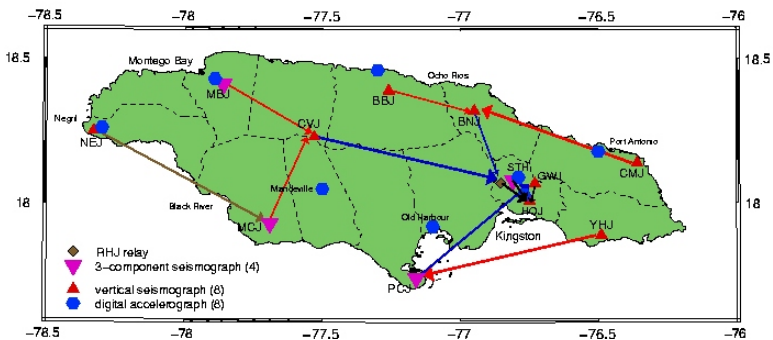


Figure 1: Location of instruments forming the Jamaica Seismograph Network that is used to capture and transmit ground motion in and around Jamaica to the Central Recording Station at the Earthquake Unit at UWI, Mona.

The Unit was also able to replace the 24 deep cycle batteries that were in use for 6 six years, well past their working life.

In January 2011 Globe Insurance Co. Ltd. donated two Dell PowerEdge 2650 servers they had in use to the EQU. This has enabled the EQU to collect and archive more data from all 12 stations and also for the installation of Earthworm software.

EARTHQUAKES RECORDED

The JSN recorded and processed two hundred (200) earthquakes during this period (August 2010 – July 2011), see Figure 2. Of these events only ninety (90) were local events.

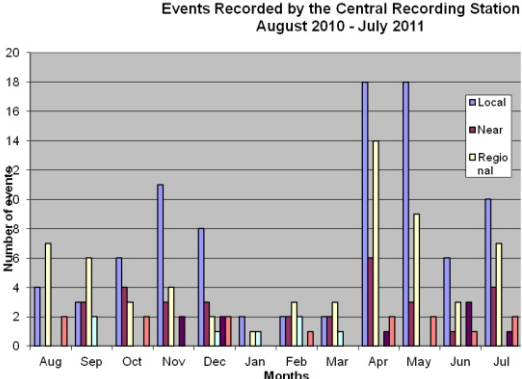


Figure 2: Events recorded by the Central Recording Station at the EQU, of these only 90 were local events.

The most active sub-area (as seen in Figure 3) was the Blue Mountain Block (labelled 16 in Figure 4) followed by Morant Basin (labelled 26 in Figure 4) and the Montpelier-Newmarket Belt (labelled 7 in Figure 4). There were fourteen (14) felt earthquakes during this period with the largest local event having a magnitude 5.0 with an epicentre off the coast of St. Elizabeth in the Blossom Fracture Zone. This event was felt island-wide; however, there were no reports of damages. The epicentre of local events are shown on land and the waters around Jamaica on Figure 5.

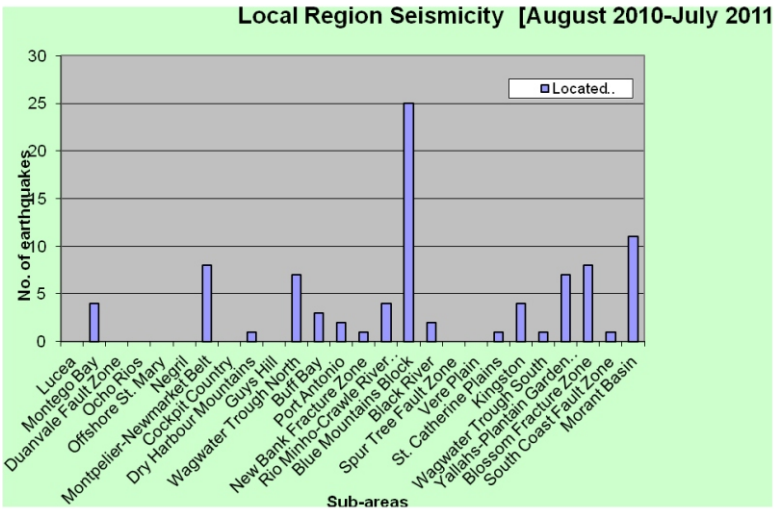


Figure 3: Seismic activities according to different Sub-Area for August 2010-July 2011.

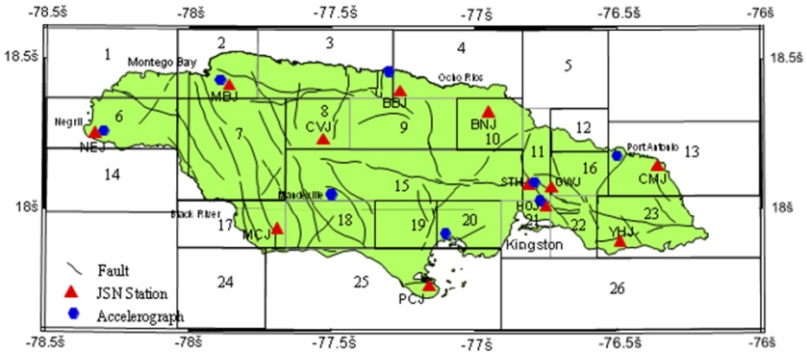


Figure 4: The Jamaica Seismograph Network local region sub areas and the major fault lines across the island.



Figure 5: Seismic activity within the local region sub-areas of Jamaica for the period of August 2010 – July 2011.

ACTIVITIES AT THE UNIT

The EQU has been actively participating with our international partners in an effort to increase the quality research and access to equipment and expertise that the unit lacks. Two of the most beneficial are the sonar mapping of Kingston Harbour with Matt Hornbach from University of Texas, Institute of Geophysics. This work is in an effort to understand tsunamigenic occurrences, and fault lineation and activity in the Kingston Harbour. From this research escarpments were identified that suggest that there is a fault that runs in the Kingston Harbour with bifurcations towards Long Mountain and the Caymans area. The trend of this fault has not previously been mapped. The research should continue in January 2012 when coring in the location and dating of the samples will be done to determine activity of this fault and the age of tsunami deposits.

The EQU has been working with the University Consortium (UNAVCO) in the COCONet Project to examine Caribbean Plate motion and activity along major faults in the region. Three permanent GPS units were installed in Jamaica; one at Morant Cay, another at Pedro Cay and the third on the Mona Campus on the Physics Dept. Electronics Lab. In addition to the GPS unit a weather instrument is also included in the installation at each location that can be used for meteorological and climate change studies.

The EQU hosts visits from schools and the public each year in an effort to fulfill its mandate towards educating the society about seismic occurrences and vulnerability. For this period the Unit hosted 27 schools with 940 students and 60 teachers. These students came from the Primary school to University, including the Department of Geography & Geology and a number of Teachers Colleges and the University of Technology, Construction Engineering and Architectural programmes. In addition, several presentations were made to organizations where staff members visited on invitation. There were also several media interviews and fora to discuss matters relating to earthquakes and development.

The EQU continue to implore the Jamaica Institute of Engineers (JIE) and the institutions to acquire accelerographs to install at large sized structures/facilities (government and private) to monitor the performance of these structures to large earthquakes. This data can be used to determine the integrity of structures after an earthquake, to assist in retrofitting designs, and also that can contribute to the EQU database of strong ground motion data that will be important in improving the seismic codes of Jamaica.

The Norman Manley International Airport (NMIA) acquired two accelerographs and these were installed on the Control Tower and in open ground (free-field) at the NMIA. We hope that this step will continue as these instruments are installed when new structures are built and more institutions will acquire these instruments for existing structures. The EQU also continues to maintain and operate a Kinematics accelerograph purchased by SMADA Consultants which is installed in Half Way Tree and also the TransJamaican Limited has two accelerographs one at the Hunts Bay Bridge and one at the Toll plaza in Portmore.

The EQU Administrative Assistant/Librarian, Mrs. Stephenson has started to reorganize the collection of the EQU library. The library holds journals, magazines, newsletter bulletins and maps, all related to geophysics. She is trying to acquire all collections to fill the gaps of our holdings in seismology. The focus is the development of a collection that can attract students and the wider community to utilize the resources of the EQU. We hope that we can complete the database of the collections

to facilitate the sharing of our resources by linking to the UWI Mona network- UWIMINET.

PROJECTS

Global Positioning System (GPS) Network (In collaboration with The University of Wisconsin at Madison)

In monitoring deformation and movements across faults in Jamaica, the EQU continues to install equipment to collect data at thirty-six (36) GPS sites across the island with four of these points being offshore at Morant Cay, Pedro Banks, Goat Island and Manatee Bay. Sites are occupied for a minimum period of seven (7) days after which the equipment are collected and the data downloaded and processed. Also, arrangements were made with the Jamaica Defence Force (JDF) Coast Guards to transport EQU staff and equipment to Pedro Banks and Morant Cays. Additionally, the two (2) continuous GPS stations, one at Portland Cottage in Clarendon and the other at Mount Denham/Pike in Manchester are periodically monitored and data downloaded for analysis. Additional GPS data is provided by the National Land Agency (NLA) from their 13 GPS networks this data is also analysed by the University of Wisconsin. The EQU is preparing to install the necessary hardware with software and develop the necessary expertise to process this data as well.

Global Seismograph Network/Caribbean Tsunami Warning System

The Earthquake Unit accesses the earthquake data from the Global Seismograph Network (GSN) station at Mount Denham/Pike MTDJ, this data is also used with the local network data to provide immediate solutions of earthquake data using the open source Earthworm software.

CTBTO (Comprehensive Nuclear Test Ban Treaty Organisation) National Data Centre (NDC) activities.

The EQU continues to operate the National Data Center (NDC) at the Central Recording Station (CRS), Mona. The Earthquake Unit is linked to the International Data Center (IDC) in Vienna and has access to the data from the CTBTO's International Monitoring System.

UNAVCO (UNIVERSITY CONSORTIUM) COCONet (Continuously Operating Caribbean GPS Observational Network) Project

Three permanent GPS units were installed at the Pedro Cays and Morant Cays with permission from the JDF Coast Guard, the third unit was installed on the roof of the Electronics Lab. The Coast Guard has offered assistance to the EQU to visit the sites at Morant Cay and Pedro Cay whenever there is need for maintenance. The GPS units are expected to be fully in operation by November 2011.

Seismic Research Centre (St. Augustine) and the EQU will be working together to conduct the seismic microzonation study of Jamaica, a World Bank Funded project through the Disaster Risk Reduction Centre DRRC (Mona).

FUNDING/CONSULTATION

The Earthquake Unit has undertaken a number of consultations during this year, among these are:

- TransJamaican Highway monitoring accelerograph on Tolls Bridge and Plaza – **\$J\$233,750.00**
- Smaller consultation from Insurance companies on specific seismic events – **J\$45,000.00**
- Airport Authorities of Jamaica monitoring accelerograph on Tolls Bridge and Plaza – **US\$1,780.00**
- UNAVCO - COCONET Project – **US\$45,000.00**

PRESENTATIONS

In addition to hosting students and other visitors to the EQU, the unit made presentations to the following:

- Jamaica Institute of Engineers
- Institute of Jamaica
- Boys Town Community

- Savanna la Mar Primary School
- LIME

STAFF/ PERSONAL DEVELOPMENT

Lyndon Brown (Research Fellow/Head): completed the 2nd Training Cycle as part of the Surrogate Inspector Training programme in the Comprehensive Test Ban Treaty Organization, Onsite Inspection (OSI). Training exercise took place for 3 weeks in Austria and Hungary with simulation of an actual OSI in Hungary during June-July, 2011

Global Earthquake Model: Participated in conference on Global Earthquake Model(GEM): A member of two (2) working groups towards the establishment of uniform and open standards for calculating and communicating earthquake risks worldwide.

Paul Williams (Network Manager/Engineer)

Chile: IRIS (Incorporated Research Institution for Seismology) workshop/training

Laurel Choy: (IT Officer) currently pursuing the Cisco Certified Network Associate (CCNA) course.

Karlene Black (Scientific Officer): Currently pursuing a Master's degree in Seismology in Japan through a scholarship funded by the Japan International Corporation Agency (JICA), expected to complete and return to EQU in September 2011.

PAPERS PRESENTED

- Brown, Lyndon, 2011; Earthquake induced landslides; An assessment of 19th Caribbean Geological Conference, Le Gosier, Guadeloupe.
- Brown, Lyndon, 2010: Earthquake Induced Landslides; 5th Caribbean Conference on Comprehensive Disaster Management, Montego Bay

- Robertson, R. W. Salazar, M. Higgins, C. La Barrie, J. Latchman, O. Graham, M. Johnson & L. Brown, 2010: Development of a Caribbean Risk Atlas for Earthquake Hazard, 5th Caribbean Conference on Comprehensive Disaster Management, Montego Bay
- Tankoo, K & Lyndon Brown, 2010; Seismic Screening of Critical Medical Facilities in Kingston, Jamaica using Rapid Visual Screening (RVS) Procedure; 5th Caribbean Conference on Comprehensive Disaster Management, Montego Bay
- Brown, Lyndon, 2010: Earthquake induced landslides: An assessment of the landslides of Ness Castle, Arntully, St. Thomas; 5th Caribbean Conference on Comprehensive Disaster Management, Montego Bay
- Brown, Lyndon, 2010: Unravelling the past, implications for the future: understanding earthquake history in Jamaica; 5th Caribbean Conference on Comprehensive Disaster Management, Montego Bay
- Delbecq, K, M. Hornbach, P. Mann, & L. Brown. 2010: Geohazards of seismically triggered submarine slides in Kingston, Jamaican initial report. American Geophysical Union, Annual Conference, San Francisco.
- Hornbach, M., P. Mann, K. Delbecq, L. Brown, C. DeMets, & B. Benford, 2010: Assessing tectonics and geohazards near Kingston Jamaica; an initial report. American Geophysical Union, Annual Conference, San Francisco.

PUBLICATION

- * Hornbach, M. L. Brown, P. Mann, C. Frohlich, & K. Ellins, 2011: Assessing geohazards near Kingston, Jamaica; Initial results from chirp profiling. Special Section: Geoscientist without borders, *Leading Edge*, pg. 410-413

ELECTRON MICROSCOPY UNIT

Klaus W. Wolf, PhD –Head of Unit

WORK OF THE UNIT

The Electron Microscopy Unit was instrumental in assisting various interested persons to benefit from its facilities and services during the 2010/2011 academic year. Researchers on and off the Mona Campus, Graduate, Undergraduate and High School students received research results, training, exposure and understanding of Scanning and Transmission Electron microscopy, Optical Microscopy (OM) and Macrophotography (MP). The main investigations done and services provided are encapsulated in Table 1.



Table 1. Main investigations done during the 2010/2011 academic year.

Specimen	Technique	Institution
Ackee waste material	MP	Dept. of Life Sciences
Amphibian lung	OM	Dept. of Life Sciences
Automotive paint chips	OM	Basic Med. Sci (Biochemistry)
Bacteria	OM	Basic Med. Sci (Biochemistry)
Dust particles from air conditioning units	OM	Dept. of Chemistry/Petroleum Corporation of Jamaica
Fungi	OM	Dept. of Life Sciences (three different projects)
Helminths	OM	Dept. of Life Sciences
Human hair	OM	Basic Med Sci. (Biochemistry)
Mammalian spinal cord	OM	Dept. of Life Sciences
Ostracod samples	OM	Dept. of Geography & Geology

Powdered red mud	OM	Dept. of Physics
Rat Colon	OM	Basic Med. Sci (Pharmacology)
Rock sections	OM	Dept. of Geography & Geology (14 different students)
Sand samples	OM	Dept. of Geography & Geology
Solar cell	OM	Dept. of Physics
Starch suspension	OM	Dept. of Chemistry
Sugarcane rust	OM	Sugar Industry Research Institute
Synovial fluid	OM	Basic Med. Sci (Pharmacology)
Yam tissue	OM	Biotechnology Centre

Assistance in assessing, setting up and repairing various types of microscopes was rendered to departments of the UWI Mona Campus, a private Medical Laboratory and the Forensic Science Division of the Jamaica Constabulary Force.

Lectures and/or laboratory sessions were conducted in Electron Microscopy and OM in the undergraduate **Virology** course “BL38A” from the Department of Life Sciences and the graduate course **Research Methods** “C60M” from the Department of Chemistry. Dr. Wolf coordinated the graduate course **Research Methods for Biologists** “BL60E” from the Department of Life Sciences, which involved lectures and laboratories on microscopy and digital imaging. Contributions to the activities of Research Day included exhibits, demonstrations, posters and a tour of the Electron Microscopy Unit.

RESEARCH IN PROGRESS

Gamete structure and development in insects, using various microscopic techniques.

The collaboration with Zoologists from the University of Salzburg (Austria) on *Ciliates in tank bromeliads* continues and a new collaboration on *Jamaican Onychophora* (velvet worms) has been established with Zoologists at the University of Leipzig (Germany).

PUBLICATIONS

Refereed

- * Foissner, W., **Wolf, K.W.**, Yashchenko, V. & Stoeck, T. (2011). Description of *Leptopharynx bromelicola* n. sp. and characterization of the genus *Leptopharynx* Mermod, 1914 (Protista, Ciliophora). *J. Eukaryot. Microbiol.*, 58 (2):134-151.
- * Rheubert, J., Wilson, B.S., **Wolf, K.W.** & Gribbins, K.M. (2010). Ultrastructural study of spermiogenesis in the Jamaican Gray Anole *Anolis lineatopus* (Reptilia: Polychrotidae). *Acta Zool.*, 91 (4):484-494.

Non-Refereed

- * **Wolf, K.W.** & Munk, K. (2011). Fortpflanzung. In Munk, K. (Ed.), *Taschenlebrbuch Biologie: Zoologie* (pp. 273-297). Stuttgart: Georg Thieme Verlag.

With a staff complement of two, the per capita publication = 1.

INSTITUTE OF CARIBBEAN STUDIES

Claudette Williams, BA, MA *UWI*, PhD *Stanford*
– Director and Deputy Dean

WORK OF THE DEPARTMENT

Curriculum Review this year continued to focus on sharpening the Quality Assurance mechanisms used for teaching and learning. Student-centredness in its various manifestations was another focus of attention. The Institute's website was updated to provide current online information on its programmes and activities. To increase the Institute's visibility on the map of the Faculty, funding was identified for prizes to be awarded for outstanding performance by students in the undergraduate programme. The Stuart Hall Prize for Cultural Studies, donated by Mr. Joseph Pereira, former Deputy Principal and ICS Director, is valued at J\$10,000.00 and will be awarded to the best performer in at least three Cultural Studies courses. The best performance by a Level II student in the Entertainment and Cultural Enterprise Management programme will receive the James Howard Foundation Prize valued at J\$20,000.00.



Staff members participated in various research projects and public forums during the year. Dr. Julian Cresser worked as Assistant Co-ordinator of the Business History Project in the Department of History and Archaeology, and contributed to several radio discussion programmes on cricket-related topics. In August, he participated in a Gleaner Editor's Forum on the role of libraries in the future. He served as reviewer for the UWI Press and for Pearson International Publishers. Dr. Donna Hope served as reviewer for UWI Press, *Latin American and Caribbean Ethnic Studies (LACES)* and *Journal of the University College of the Cayman Islands (JUCCI)*. On June 7, Dr. Hope was the Keynote Speaker at the Caribbean-Canada Emerging Leaders'

Breakfast Meeting, “Culture as Enterprise: The Cultural Implications of Marketing Jamaican Culture in a Global Context.” Dr Hope also made a presentation at the Houses of Parliament’s Commonwealth Day 2011 Seminar “Women as Agents of Change” on March 14. Mr. Dennis Howard and Dr. Hope were presenters at the St. Michael’s Theological College Seminar on Social Ethics on April 16 under the theme “Ethical Perspectives on Jamaican Popular Culture”: Focus on Dancehall Music.

CURRICULUM RENEWAL

Undergraduate Programme

In order to expand and diversify the cultural studies programme, four Music courses were developed through the Music Unit of the Phillip Sherlock Centre for the Creative Arts. This move is part of an effort to give Music greater visibility as an academic discipline in the UWI curriculum than it currently enjoys. Students will be exposed to the music of a wide range of cultures including non-Western music traditions and the music of the non-English speaking Caribbean and Latin America. The courses are also designed to attract students from other departments and Faculties. It is hoped that student response will give an indication of the feasibility of eventually offering a major in Music. This development will also promote collaborative teaching across different departments in the Faculty and thus support the interdisciplinary thrust of both Cultural Studies and the UWI’s strategic objectives. These Music courses also have considerable income-generating potential as summer school offerings.

The following courses were approved for introduction in 2011-2012: **MUSC1100** – Music in World Cultures; **MUSC2001** – Popular Musics of the Caribbean; **MUSC2200** – History of Jazz and the Blues and **MUSC3300** – Bob Marley and his Music. Other courses will be designed in 2011-2012 to create a Music minor option.

Graduate Programme in Cultural Studies

The taught Masters was launched in September 2010 with an intake of 10 students. Three courses were delivered: CLTR6030 – Dynamics of Caribbean Culture, CLTR6000 – Theory and Conceptualization of

Culture and CLTR6100 – Methods of Inquiry in Cultural Studies. Five applicants were accepted for MPhil degrees and one for the PhD.

The through-put of research graduate students continued to increase with three successful PhD Vivas

- **Wayne Modest**, “Museums, Slavery and the Caribbean Exhibitionary Complex: Towards a Museology of Displacement”
- **Dennis Howard**, “Popular Music Production in Kingston 1956 – 2006: Creative Genius, (Dis)functional Institutional Framework.”
- **Deborah Hickling**: “Television in Ghana and Jamaica, from ‘Cultural Institution’ to ‘Cultural Industry’: A Dialectical, Postcolonial Examination.”
- **Dalton Myers** successfully completed the MPhil programme.

Thesis-writing Workshops

Two thesis-writing workshops for MPhil and PhD candidates were held on July 9 and 23 respectively. The sessions provided guidance on structural and technical aspects of thesis writing, as well as information on the examination process and criteria, and advice on ways to make each component of the thesis serve the intended purpose.

STAFF MATTERS

Part-time lecturers Dr. Donald Davis, Mr. Dennis Howard and Mrs. Nicole Plummer-Rognmo made their usual dedicated contribution to teaching in the Institute’s undergraduate programme. This year, PhD candidates Mr. Winston Campbell and Mr. Horace Williams and MPhil candidate Mr. Miguel Williams also delivered undergraduate courses. Dr. Rachel Moseley-Wood, recently appointed as lecturer in the Department of Literatures in English, continued to anchor the teaching of the Institute’s two film courses.

Training

TURNITIN and OURVLE Training sessions were conducted by MITS for ICS staff on May 19 and 20 respectively. This training is expected to result in increased use of these mechanisms for teaching and evaluation.

Principal's Research Awards

Dr. Donna Hope received awards for Man Vibes: Masculinities in the Jamaican Dancehall. Ian Randle Publishers, and “From the Stage to the Grave: Exploring Celebrity Funerals in Dancehall Culture” *International Journal of Cultural Studies*, Volume 13, No. 3, pp. 254-270. Dr. Sonjah Stanley Niaah received an award for DanceHall: From Slave Ship to Ghetto, University of Ottawa Press.

Research Fellowship

Dr. Sonjah Stanley Niaah was awarded a research fellowship to undertake a project entitled “Reggae Festival Geographies: Consumers, Producers and Economies of the 21st Century.”

Special Initiative Grant

Dr. Donna Hope and Dr. Livingston White (CARIMAC) received a UWI Mona Special Initiative Grant of \$1,500,000.00 to carry out a research project entitled “Understanding Dancehall Feuds and their Media Coverage: A Content Analysis of Jamaica’s Mainstream Media Coverage of the Gully/Gaza Feud of 2009.”

SPECIAL EVENTS & PUBLIC LECTURES

The Rastafari Studies Conference “Negotiating the African Presence: Rastafari Liverty and Scholarship” was held on August 17-20. The conference, which was organized by Dr. Jalani Niaah, attracted a large number of local and international presenters and covered a wide range of Rastafari-related topics. Keynote speaker for the Opening Ceremony was Professor Emeritus, Sir Roy Augier.

The Annual Walter Rodney Lecture entitled “Rodney to Ragga; From Black Power to Gold Power – Who Will Sort out the Nation?” was delivered by Mr. Robin “Bongo Jerry” Small on October 22.

The Annual Bob Marley Lecture “Bob Marley and the Wailers Live! Performance and Politics in the Touring History of the Wailers” was organized by Dr. Julian Cresser and delivered by Dr. Matthew Smith, Senior Lecturer in the Department of History and Archaeology on February 11.

On February 21, PhD candidate Dennis Howard delivered a lecture entitled “Music like dirt rastal Genre Defiance and Bonding in the Kingston Creative Echo Chamber” at Carnegie Mellon University as part of the activities to mark Black History month.

The Institute hosted a Symposium under the title “The Social Impact of Jamaican Popular Music” on February 26. The Symposium explored topical issues in the Jamaican music landscape, including the impact of music on adolescent sexuality, music and violence, and the effects of dancehall lyrics on Caribbean youth. The event featured presentations by Dr. Donna Hope, Professor Fredrick Hickling, Department of Community Health & Psychiatry, Mr. Cordel Green, Executive Director of the Broadcasting Commission and Mrs. Marcia Forbes, Director of Phase 3 Productions Ltd. The post-presentation discussion was led by talk show host and public intellectual Robin “Bongo Jerry” Small and Entertainment and Media Consultant Clyde McKenzie.

The Summer Internship Programme for the BA in Entertainment and Cultural Enterprise Management was officially launched on April 14. Certificates of Participation were presented to the entertainment and cultural organizations that have partnered with the Institute and hosted interns in 2009 and 2010. The launch also served to formalize the partnership and the opportunity was used to invite the future participation of other interested organizations.

On April 21, the Institute collaborated with the Institute for Gender and Development Studies in staging a public lecture by Mr. Hugh Small, QC entitled “Coral Gardens 1963: A Legal Analysis and Implications for the Jamaican Justice System.”

A two-year Joint ICS-York University Project “Youth and Community Development in Canada and Jamaica: A Transnational Approach to Youth Violence” was launched in July. The project is funded by the Social Sciences and Humanities Research Council (SHRC), a Canadian Federal government funding agency for university-based research and graduate training in the Social Sciences and Humanities. The first year activities consisted of a Youth forum in Kingston on Thursday, July 28 and a research workshop in Woodside, St Mary on Sunday, July 31

PAPERS PRESENTED

- **Hope, Donna.** “Popular Music and Strategic Culture in Jamaica” Jamaica Strategic Culture Workshop, Florida International University’s Applied Research Center/Latin American and Caribbean Center, Miami, Florida, July 7.
- **Hope, Donna.** “High Grade Forever: Popular Music Discourses of a Jamaican “Weed Mecca” 36th Annual Caribbean Studies Association Conference, Curacao, May 30 – June 3, 2011.
- **Hope, Donna.** “Dancehall and Violence in Jamaica”, Symposium on “The Social Impact of Jamaican Popular Music”, University of the West Indies, Mona, February 26, 2011.
- **Howard, Dennis.** (with Christopher Charles) “Violence and Performance: Deconstructing the Onstage Clash between Rival Dancehall DJs” 36th Annual Caribbean Studies Association Conference, Curacao, May 30 – June 3, 2011.
- **Howard, Dennis.** “Genre development in Kingston’s Creative Echo Chamber: Trans-cultural synergies in a postcolonial continuum.” International Association for the Study of Popular Music 16th Biennial International Conference. Grahamstown, South Africa, June 27 – July 1.

PUBLICATIONS

Refereed

- * **Hope, Donna.** “Dancehall: Origins, History, Future.” In *Groundings*, Issue 26, July 2011, pp. 7-28.
- * **Hope, Donna.** “From Browning to Cake Soap: Popular Debates on Skin Bleaching in the Jamaican Dancehall.” *The Journal of Pan African Studies*, Volume 4, No. 4, June 2011, pp. 164-193.
- * **Howard, Dennis.** “Burning Jesus Christ in the dancehall” In *Groundings*, Issue 26, July 2011, pp. 46-53.

Non-Refereed

- * **Hope, Donna.** “Passa Passa: Dancehall and the Don” in Kingston Harbour: Development Transects, Urban Design Studio/Vanessa Keith (ed.), Columbia University Press, pp. 50-53.
- * **Hope, Donna.** – “The Dancehall Story: Exploring Male Homosexuality” in Rockstone and Bootheel Catalog. Connecticut: Real Artways, June 2011, pp. 38-43.

PUBLIC SERVICE

Dr. Donna Hope

- Member, Students Loan Bureau’s Appeals Committee
- Board Member, Universal Media Company Ltd
- Consultant, Centre for Leadership and Governance - Youth Mainstreaming Project

Mr. Dennis Howard

- Programming consultant, Newstalk 93FM Radio.

Course Registrations

Course Code	Title	
CLTR 1001	Introduction to the Study of Culture	88
CLTR 2018	Introduction to Caribbean Folk Philosophy	26
CLTR 2501	Caribbean Cultural Studies	35
CLTR 2505	Entertainment, Media and culture	40
CLTR 2506	Caribbean Films and their Fictions	30
CLTR 2518	The Culture of Rastafari	30
CLTR 2519	Deconstructing the Culture of Sports	25
CLTR 2524	African Religious Retentions in the Caribbean	36
CLTR 2605	Producing Culture: Music Events & Festivals	39
CLTR 2705	Music Business Management	34
CLTR 3501	Discourses in Cultural Studies	18
CLTR 3505	African Diaspora Film	30
CLTR 3507	Culture, Gender and Sexuality in Jamaican Popular Music	47
CLTR 3516	Performing Culture: Dancehall as Ritual and Spectacle	25
CLTR 3518	Rastafari in the Global Context	11
CLTR 3605	ECEM Internship	21
CLTR 6000	Theory and Conceptualization of Culture	17
CLTR 6030	Dynamics of Caribbean Culture	11
CLTR 6100	Methods of Inquiry in Cultural Studies	12
FOUN 1101	Caribbean Civilization	2226

INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES – MONA CAMPUS UNIT

Leith Dunn, BA (Hons), MSc *UWI*, PhD *LSE* – Head of Unit

During the 2010/2011 Academic Year, the Institute for Gender and Development Studies (IGDS) Mona Unit supported the UWI's Strategic Plan 2007-2012, by prioritizing three (3) areas: Teaching and Learning, Research and Innovation and Public Service. The priority in Teaching and Learning was implementation of the second year of the BSc in Gender and Development. The Unit welcomed 19 new students (15 females and 4 males) who joined the previous 10 totaling 29. Three (3) new courses were approved by AQAC to increase options in the Major and Minor: GEND2004: Sexuality and Power in the Caribbean; GEND3600: Gender, Sexual and Reproductive Health and HIV/AIDS; GEND3032: Gender, Climate Change and Disaster Risk Management. The programme, curriculum and courses were revised and updated to make offerings more attractive, relevant and responsive to emerging gender and development issues.



Research and publications increased and focused on: priority gender and development issues including: Sexuality, HIV/AIDS, leadership and governance, gender and trade, gender and migration and gender climate change and disaster risk management. The Unit was asked to support gender mainstreaming in several research projects and development policies, through partnerships with a number of national, regional, and international institutions.

Contributions to public service also included serving on a several boards and committees, organizing public education events and media interviews to influence public opinion.

Priorities for the academic year were to: a) significantly increase student registration in the BSc Gender and Development programme; b) improve quality by enhancing students' critical thinking and problem solving skills, enhancing teaching quality, and career readiness; and c) increase peer reviewed publication output.

STUDENTS

Undergraduates: Some 595 undergraduate students registered in 17 courses. In Semester 1, 242 students (31 males and 211 females) were registered in six courses. In Semester 2, 257 students (40 males and 217 females) were registered in eight courses and in Summer School, 96 students (24 males and 72 females) completed three courses. The increased numbers were the result of improved marketing and closer collaboration with Admissions, Careers and Placement and the Office of Student Services and Development. A special Orientation programme was held for the new BSc students on September 2, 2010 and a review meeting/Christmas luncheon was held after final exams in December to get students' feedback on their first semester. The results were used to guide programme delivery also using data from Official Student Assessments.

Student Awards: **The Dorian Powell Prize** was awarded to Ms. Shaniece Lindsay on November 25, 2010. M.S. Lindsay completed the Minor in Gender and Development Studies with the highest marks.

Postgraduates: The Unit staff continued to teach in the MSc Gender and Development programme and supervised 11 graduate students for the IGDS RCU, IGDS St Augustine and other UWI Departments.

STAFF

Human resources: The Mona Unit's staff complement included: three academics (one Senior Lecturer/Head and two Lecturers) and one Senior Administrative Assistant. Part-time Student Assistants provided support with reception and clerical duties but the absence of a full-time Clerical Assistant and a Research and Outreach Officer on the establishment, continued to have a negative impact on customer service, administrative

efficiency and timely delivery of reports. Requests for additional staffing will be submitted in the new academic year. The Unit said farewell and thanks to two staff members: Ms. June Castello, Lecturer, after several years of service and Ms. Nicole Lawrence, Temporary Senior Administrative Assistant for her support during the year.

Staff Teaching Loads:

In response to budget cuts the Unit's staff exceeded their 10 hour teaching load requirements with some staff (including the Head) teaching three courses per semester during the period under review.

Staff Honours and Awards:

Dr. Anneeka Marshall conducted a lecture tour to Brazil organized by South Exchange Programme for the Research on History of Development (SEPHIS) from November 15-30, 2010. She delivered lectures and workshops at various universities, on research and community mobilization that empowers black people.

PROGRAMMES

Teaching: The BSc in Gender and Development and the Minor in Gender and Development Studies continued to attract students from various faculties. The Major responds to a growing demand for gender specialists, policy analysts and researchers in local, regional and international institutions and builds a cadre of graduates who will be equipped to respond to the need for gender specialists and analysts to support gender mainstreaming in development policies and plans across many sectors and disciplines.

Quality Assurance: Student Assessment Reports for IGDS courses continued to reflect above-average scores for lectures, and course materials; high pass rates in all courses; and high grades generally. To further enhance the teaching and learning experience, course content was updated to ensure relevance to contemporary development issues in society. More innovative teaching methods were adopted to engage

students. Staff membership in several professional organizations, facilitated networking with colleagues at local, regional and international conferences, and enabled UWI/IGDS staff to continue contributing Caribbean gender and feminist perspectives to several contemporary development debates. New publications were acquired to enhance teaching and research. The Unit collaborated with a number of other academic institutions to enhance learning.

Capacity building in quality assurance was also facilitated by Dr. Dunn's participation in the Education Sub-Committee of the Accreditation Committee for UWI Accreditation by the University Council of Jamaica.

RESEARCH

The Research priorities of the Unit continued to focus on gender and development:

- *Gender, Sexuality and HIV/AIDS* (participation in a multi-disciplinary study on sexually vulnerable communities for the Red Cross, and preparatory work for a study on how UWI students and in-school youth form sexual relationships and the related risks for HIV/AIDS for a UWI Health Centre/Ford Foundation study);
- **Gender and Governance:** The Unit continued implementation of the two-year action-research project entitled 'Advancing Transformational Leadership for Gender Justice in the Caribbean' funded by the United Nations Democracy Fund (UNDEF) and UN Women (formerly UNIFEM) to support the training programme of the Caribbean Institute for Women in Leadership (CIWIL). Activities implemented during the period under review included: hosting of the second leadership training course, held in St Lucia in May 2010 and the third which was held at the Mona Campus from July 10-20, 2011. Three training institutes have resulted in 79 women from six Caribbean countries being trained as transformational leaders, equipped to run for political and public office; two national consultations

have been held in St Lucia and St Kitts and Nevis to build awareness of the importance of gender equality in leadership. The project will conduct research to assess the impact of the training on improving leadership skills and increasing the number of women running as candidates for political office and assuming public leadership positions in the four pilot countries;

- Results from previous research on Gender, climate change and disaster risk management published by UNDP and the Caribbean Risk Management Initiative (CRMI) and on Gender and the migration of Jamaican women to Canada, published by the North South Institute in Canada in 2010 continued to be used.

STRATEGIC APPRAISAL

Teaching and Learning: The Unit's three full-time academic staff members are all certified to teach in tertiary institutions. Teaching was enhanced by providing students with more diverse and flexible learning experiences.

Internship Programme: To enhance career readiness and learning effectiveness of UWI graduates, a new Internship Programme was piloted in summer 2011. Terms of Reference and MOUs were developed with a number of institutions to provide internships for students. The Unit assisted students to revise their CVs which were submitted to the following agencies: Bureau of Women's Affairs, Ministry of Education; Ministry of Health's Gender and HIV/AIDS Programme; the Department of Correctional Services and the United Nations Population Fund (UNFPA). Reports from both students and supervisors indicated that the internships were mutually beneficial. Students gained valuable exposure, and practical job experience using gender-related skills in the workplace.

Graduate training: Dr. Marshall facilitated a training workshop for postgraduate students on "Using sex in your dissertation". This was organized by the UWI Mona Association of Postgraduate Students in April 2011.

Creating the Ideal UWI Graduate: The Unit continued to respond to requests for guest lectures on gender by supporting Cross-Faculty Teaching. This included delivering Unit 5 on Gender Ethics Science and Technology in the FD12A course in all three semesters, and to students enrolled in the Weekend School of the Faculty of Social Sciences. Guest lectures were also delivered to Social Work students in the Department of Sociology Psychology and Social Work. The module on **Gender Issues in Health** taught on-line to medical doctors pursuing the DM in Family Medicine (MD62C) offered by the UWI Cave Hill Campus, was delivered for the second year. Efforts continued to build partnerships with Deans and Departments to introduce gender courses, modules and lectures to ensure that the ‘ideal UWI graduate’ is gender-sensitive.

Programmes and Teaching: Students were exposed to programmes of various organizations. Staff also increased use of ICT resources to enhance learning. Visiting Deputy Principal, UWI St. Augustine Campus and Professor of Gender and Development, Professor Rhoda Reddock was invited to give a guest lecture in the course GEND3703: Gender Analysis and Theories of Development on February 14, 2011.

Research and Innovation: Course assignments were used to encourage student involvement in research. The Unit also supported research projects of various institutions, visiting scholars and graduate students from within and outside the UWI. This included research for a Habitat for Humanity study on Safe Cities for Women in Jamaica.

Service to the UWI-12 Countries and Underserved Communities: Mona Unit’s support to the UWI -12 was mainly through: a) continued implementation of the UNDEF project that impacted women from Belize, Jamaica, St Lucia and St Kitts and Nevis; b) participation in regional conferences (e.g. Women as Agents for Change held in Trinidad and Tobago in June 2011; c) delivery of the Module on ‘Gender Issues in Health’ to medical doctors from the UWI-12 countries; d) gender training for public sector workers in St Maarten.

Strengthening National Engagement, Rationality and International Partnerships: The draft technical report entitled ‘Regional Special Topic Monograph on Gender and Development Issues in the Caribbean: from

analysis of the 2000 Round of Census Data of Eighteen Caribbean Countries' prepared by Leith Dunn and Alicia Mondesire was published on the website of CARICOM's Department of Statistics. Research findings from the study were presented at CARICOM's Inaugural Regional Statistics Research Conference held in St Lucia on October 30, 2010. Findings of a study on 'Gender mainstreaming in Ministries of Labour in the Caribbean' commissioned by the Organization of American States (OAS) and conducted by Dr Dunn, was published on their website and was presented at a regional conference of Labour Ministers in Latin America and the Caribbean held in Argentina.

Migration and Development Conference: The Office of the Principal requested the Mona Unit's support to plan a regional consultation on Migration and Development for the Ramphal Commission, in preparation for the 2011 Commonwealth Heads of Government Meeting. The consultation was sponsored by the UWI Mona, the Commonwealth Secretariat and the Ramphal Commission and was held on February 21, 2011. Dr. Dunn also made a presentation at the conference and contributed to the presentation of a synthesis report to the Commission. Dr Dunn's paper on gender and migration was based on previous research on gender and environmental factors such as climate change from the IGDS studies for the UNDP/Caribbean Risk Management Initiative and a research paper by Leith Dunn and Heather Gibb (2010). 'Gender, migration and crisis: Jamaican female migrants in Canada' published as a chapter in the Canadian Development Report 2010, by the North South Institute in Ottawa.

OUTREACH

Outreach, to build awareness of gender and action to influence public policy continued to be an important area of the Unit's work, also reflected in the Unit's 2010/2011 Calendar of Events. Under 'Conversations in Gender Series' several public lectures and events were held which included:

- **"Rwanda Reasoning: Genocide, Gender and Economic Growth"** held on September 15, 2010 to commemorate the International Day of Democracy. This was presented by Dr.

Dunn following her visit to Rwanda as a member of the Commonwealth Observer Group for the 2010 Presidential Elections. The well-attended event was held at the UWI Undercroft and was widely covered in the media. The lecture, films and exhibition highlighted several aspects of Rwanda's progress and development since the 1994 genocide that killed 1 million people in 100 days and drew lessons for the development of Jamaica. This included: peace and reconciliation achieved through various programmes; strategies used to achieve gender equality in political leadership and Rwanda having the highest percentage of women in Parliament globally (56%); women being one-third of the Cabinet and economic growth (6% of GDP) by economic empowerment for women.

- **“Education and Training: Pathways to Decent Work for Women”** a public lecture held on March 8, 2011 to commemorate International Women's Day at UWI Mona. Guest speaker was Mrs. Maxine Henry-Wilson, Member of Parliament and former Minister of Education.
- **“Pretty as a Colouring Book”** a public lecture on skin bleaching by popular dancehall artiste Vybz Kartel which was held on March 10, 2011, co-hosted with the Department of Literatures in English;
- Commemoration of **International Day for Rural Women** (October 15, 2010) with the mounting of two exhibitions (UWI Main Library and Denbigh Agricultural Showgrounds); a radio interview with President of the Jamaica Network for Rural Women Mrs. Mildred Crawford and a news release;
- **‘Ending Gender Based Violence’** a public lecture to commemorate the International Day for the Elimination of Violence Against Women was held at UWI on November 25, 2010. Guest speaker was Assistant Commissioner of Police Ms Novelette Grant of the Jamaica Constabulary Force.
- **‘Strategies to eliminate Violence against Women’**. A presentation by Dr. Dunn at a training workshop for community

residents organized by the JCF in Denham Town on December 2, 2010.

Staff of the IGDS Regional Unit and Mona Unit collaborated to host a Kwanza-focused treat for children at Liberty Hall on December 16, 2010 and offered afro-centric gifts to the students.

Training workshops: Dr. Dunn presented the following: a) a training workshop for members of the Jamaica Household Workers' Association to build awareness of their rights and the provisions of the proposed new ILO convention: Decent Work for Domestic Workers; b) Young women and leadership for the Girl Guides Association on Jamaica in March 2011; b) Mary Seacole Hall's 'Elect Her' leadership training seminar for young women to run for leadership positions in Guild Elections held on March 12, 2011.

Book launch: The Unit hosted the launch of Sonia King's book "Jacket.... Or Full Suit? Paternity Testing from a Jamaican Perspective" on December 7, 2010. Dr. Marshall delivered greetings on behalf of the Mona Unit.

Public Exhibitions: To promote awareness of IGDS programmes, the Unit mounted and participated in the following exhibitions: a) UWT's Research Day held January 27-28, 2011; b) the annual SALISES-sponsored Caribbean Child Research Conference from October 21-22, 2010, attended by hundreds of high school students and child researchers; c) the University's Career Day Expo held on February 24-25, 2011; d) .The "Phenomenal Women Expo" held to commemorate Commonwealth Day on March 14, 2011, sponsored by Women Parliamentarians which was held at the Church of God on Constant Spring Road. The Unit also accepted an invitation from the Governor General (GG) to attend commemoration of Commonwealth Day at Kings House. Gender students who attended met the GG, members of the diplomatic corps and learnt of opportunities for graduate Commonwealth scholarships.

Media Interviews: Mona Unit staff participated in several media interviews on radio and television to promote special events and to build awareness of gender in many aspects of society as well as to promote IGDS gender programmes. Dr. Marshall was guest gender analyst on the 'Min Yu Self

Programme', aired on RJR Radio, February 3, 2011 and spoke on the theme: "Are Men Dogs and Women Bitches?" She was also a guest on the Double Standards Programme hosted by Annie Paul for International Women's Day aired on News Talk 93 on March 8, 2011. Dr. Dunn participated in radio interviews for the Rwanda lecture in September 2010, IWD on March 8 2011 (Hot 102FM and News Talk 93FM) and for the Migration and Development Conference in February 2011.

PAPERS PRESENTED

Major Conference/Seminars

- 'Advancing Transformational Leadership for Gender Justice in the Caribbean: Lessons for the Commonwealth'. **Dr. Dunn**, Conference entitled: 'Women as Agents of Change' June 29 – July 1, 2011 in Trinidad and Tobago.
- "Rwanda – Caribbean: Building Gender Equality Development and Peace." **L. Dunn**, Caribbean Studies Association Conference entitled: Building a New House in a Globalized World. Held May 29 – June 3, 2011 in Curacao.
- "Gender Justice and Equality: Partnership for Development." **Dr. Dunn**, Phillip Potter Symposium entitled: Ecumenical Theology and Praxis, May 21 2011. UWI.
- "Orgasmic Freedom: Love, Power, Desire and Caribbean Women", **Dr. Marshall**, Conference on Sexuality, IGDS Nita Barrow Unit, UWI Cave Hill Campus, February 2011.

PUBLICATIONS

Chapters in Books

- * **A. Marshall** "Tackling the 'kinky eroticism' of studying women in the heterosexist classroom", in Teaching Gender and Sexualities in the Twenty-First Century by M. Mirza and D. Hussey (eds.). Birmingham, England: The Higher Education Academy Network, 2011, 213-236.

- * **A. Marshall** “Exploring the Continuum of Passionate Realities: Mona Students’ Perceptions of Sexual Variants and Sexual Paraphilias”, in Love and Power: Caribbean Discourses on Gender by E. Barriteau (ed). Kingston: UWI Press, 2011 (33 pages).

Refereed Journal Articles

- * **A. Marshall.** “Reclaiming the Erotic Power of Black Women”. *Social and Economic Studies*, 60, 1 (2010): 61-90.
- * **A. Marshall.** “Gender Dynamics and Approaches to Sexuality as a Key to Well Being”. *Journal of Eastern Caribbean Studies*, 35, 2 (2010): 1-19.
- * **A. Marshall, K. Carpenter.** “Sexualities in the Caribbean”. *Social and Economic Studies Journal*. 60, 1: 2011.
- * **A. Marshall, S. Alcott & L. Eaton.** “Gender Dynamics and Approaches to Sexuality as a Key to Well Being”. *Journal of Eastern Caribbean Studies*. Cave Hill: UWI, 35, 2 (2010):1-19.

Technical Reports

- * **Marshall, M. Anderson.** “MSM Youth in Jamaican Colleges and Universities: Identifying Needs and Challenges”. PRIDE in Action.
- * **A Marshall:** “Equal rights, equal opportunities: Progress for all”. *International Women’s Day Lecture*. Kingston: Edna Manley College, 2011, (14 pages)
- * **L. Dunn** and Sutherland, V. “Gender Based Violence in Jamaica: A Profile of Victims and Perpetrators: A Case Study” Friedrich Ebert Stiftung (FES) and the IGDS Mona 2010.
- * **L. Dunn, Anneke Hamilton, Jessica Byron, and Quaine Palmer** ‘Gender and Women’s Rights Analysis of Economic Partnership Agreements: the implementation of trade

liberalization: Jamaica. One World Action and the Commonwealth Secretariat, published on line 2010.

INCOME GENERATION

Revenue was approximately **US\$79,244.06** raised from research grants, consultancies and Summer School. This included US\$63,513.85, the second disbursement from the United Nations Democracy Fund (UNDEF) two-year grant of US\$350,000, for the project 'Advancing Transformational Leadership for Gender Justice in the Caribbean'. It follows the first disbursement of US\$164,863.21 in April 2010. Net income from Summer School was J\$1,352,797.85/US\$15,730.21. Funds are used to support the Clerical Assistant post, outreach activities, and facilitate student learning and staff development.

PUBLIC SERVICE

Dr. Dunn

- Member, Commonwealth Observer Group for the Presidential elections in Rwanda
- Member, Board of The Foundation for International Training (FIT) in Canada
- Member, The Board of Management of the Shortwood Teachers' College
- Member, The Policy and Research Committee, Council for Voluntary Social Services
- Member, National Planning Committees for the Elimination of Child Labour; elimination of violence against children and the National Committee on Migration and Development

Dr. Marshall

- Technical Advisor, The International Resource Network; the Caribbean Sexualities Group; the Jamaica AIDS Support for Life (JAS) and the Jamaica Forum for Lesbians, All-Sexuals and Gays (JFLAG).

INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES – REGIONAL CO-ORDINATING UNIT

**Professor Verene Shepherd – Regional Coordinator &
University Director**

WORK OF THE UNIT

For the period under review the Regional Coordinating Unit of the Institute for Gender and Development Studies, under its new Director, Prof. Verene Shepherd, continued to fulfil its mandate of Teaching, Research and Outreach within the University community as well as to the wider local, regional and international communities. Professor Shepherd was administratively supported by Mrs. Shakira Maxwell, as Administrative Officer, and Ms Orena



Hinds as Secretary (acting). Ms. Suzanne Charles, Junior Research Fellow continued to manage and coordinate all work in relation to the partnership between the Institute for Gender and Development Studies and CARIBSAVE as well as assisted with the wider research agenda of the Institute.

Dr. Dalea Bean continued to successfully manage her portfolio which included primary responsibility for the administration of the online Diploma Programme as well as teaching in the undergraduate programme run by the Mona Unit of the IGDS.

Ms. Taitu Heron continued her role as MSc Coordinator for the Gender and Development Studies Graduate Programme.

Dr. Dhanaraj Thakur, who joined the IGDS on February 1, 2011 as acting Junior Research Fellow (while Ms. Charles functioned as the focal point

person for Caribsave), assisted with the coordination of several research projects. He demitted office on July 31, 2011.

Teaching

During the 2010/2011 academic year the Unit implemented several changes to its teaching programmes.

Undergraduate

Teaching continued in the Diploma Programme, with a total of six students registered for the 2010/2011 academic year. The IGDS is in the process of discussing the future of this Programme and might replace it with an Online MSc Programme.

Graduate

Teaching also continued in the graduate programmes with fourteen offers being made to students for the 2010/2011 academic year. Four students from the Cluster Thirteen cohort also satisfied the requirements of the Programme and were awarded their degrees in the University's 2010 graduation exercises.

Based on recommendations made by the Board of Undergraduate Studies as well as the Vice Chancellor's request for Departments to engage in a curriculum review process, a revised graduate programme was implemented in the 2010/2011 academic year. The goals of the revised graduate programmes were multifaceted and sought to improve the quality of gender-based analysis in development processes in the public, private and NGOs sectors by equipping the core of graduates with these competencies.

The revised programme was offered at four levels – A Post Graduate Diploma, an MSc and MPhil and PhD degrees. The new component in the proposed graduate offerings was the Postgraduate Diploma which as in the case of St Augustine, articulated the existing and now revised MSc in Gender and Development Studies. The introduction of the Postgraduate Diploma on the Mona Campus has allowed for the possibility of the transfer of students from one campus to the other. It is also being

projected that in the near future the core qualifying courses in the MPhil/PhD programme will be made available to students online, thus expanding the reach of the programme across the region.

RESEARCH

The Regional Coordinating Unit also continued to participate in regional research projects which have significant impact on policy-making throughout the Caribbean. During the year under review the Unit engaged in several research projects as follows:

CARIBSAVE: The Unit is one of the departments of the UWI engaged in a project with the University of Oxford and the Caribbean Community Climate Change Centre entitled *The CARIBSAVE Partnership: Protecting and enhancing the livelihoods, environments and economies of the Caribbean Basin*. The project seeks to address the impacts and challenges surrounding climate change, tourism, the environment, economic development and community livelihood across the Caribbean Basin, using an integrated and holistic approach. Other partners in the project include, the University of Waterloo, the World Wildlife Fund, the Caribbean Tourism Organization, the International Institute of Environment and Development, the Caribbean Natural Research Institute, Conservation International and Rainforest Alliance.

As part of its mandate to continue to build strong working relationships in research with other Universities, CARIBSAVE has provided funds for a Research Fellow for two years at the Institute. The primary responsibility of the Research Fellow is implementing some of the elements of research which the project seeks to investigate. Research has been conducted in Jamaica, Belize, the Bahamas, St. Kitts and Nevis and St. Lucia as part of the Livelihoods, Gender, Poverty and Development component of the development of the Critical Risk Atlas. The project has also completed community interventions in seven countries with the remaining slated to be completed by the end of the 2011 calendar year.

UNWOMEN/UNIFEM: The Unit finalized a contract with UNIFEM (now UNWOMEN) in relation to an institutional partnership between the IGDS and the Université Quisqueya in Haiti. The partnership involves the

development and implementation of a certificate or diploma programme aimed at building gender analytical and planning skills for university students, civil society organisations and governmental personnel. The key outputs of this partnership will include the development of skills in academic programme formulation and the design of new curricula and pedagogical approaches in the field of gender and development. The project began in February 2011 and representatives of all units of the IGDS, led by Professor Shepherd travelled to Haiti in May 2011 to have the first planning meeting of the curriculum development team.

OXFAM PROJECT: The Unit joined a partnership with OXFAM on a project entitled “By the Sweat of Our Brows: Creating Gender Justice through Women’s Economic Leadership among Rural Jamaican Women”. The project aims to support the economic leadership of rural women farmers in Jamaica.

SEPHIS/IGDS PROJECT: The Unit is organising a conference on Gender and Climate Change to be held in November 2011. The conference is being funded by the South-South Exchange programme for Research on the History of Development (SEPHIS) and will include participants from several Latin American, Asian and Caribbean countries. The conference aims to discuss the gendered domains within the dialogues concerning climate change and natural disasters in the global south.

THE UNFPA TEXTBOOK REVIEW PROJECT: The Unit finalised a contract with UNFPA to conduct a Caribbean Textbook Review. The project will review the main texts used in schools to prepare students for the CAPE and CSEC Examinations in order to identify the major gaps with respect to gender issues. The review has suggested appropriate remedies to teachers and Teachers’ Organizations, CXC officials, parents and policy-makers in the region’s Ministries of Education. In addition, publishers and authors will benefit from the review. The pilot project will be a review of History texts only.

MOREHOUSE/IGDS MALES AT COLLEGE PROJECT: The IGDS is in the process of finalizing plans with Morehouse College in Atlanta on a Project that will seek to understand the gender ratios at universities in the USA, Africa and the Caribbean.

OUTREACH:

The Institute hosted several public events over the period August 2010-July 2011, viz:

Breakfast Fora

Inaugural Breakfast Forum

In collaboration with the Jamaica Chapter of the International Women's Forum the RCU hosted its inaugural breakfast forum on October 26, 2010 at the Knutsford Court Hotel. Professor Nanna S. Opoku-Agyemang was the special guest speaker and spoke on her life and work.

Gender and the Media

The second RCU breakfast forum was held on December 7 on the topic "Gender and the Media". Ms Jenny Campbell, President of the Press Association of Jamaica was the special guest speaker.

Gender and Human Rights

The Unit held its Third Breakfast Forum on March 15 at the Mona Visitor's Lodge and Conference Centre. The forum focussed on issues in relation to Gender and Human Rights and was broadcasted live on News Talk 93 FM. Ms. Taitu Heron delivered a presentation entitled, "What is the Value of Black Life?: Thoughts on a Framework for Gender and Human Rights in Jamaica." Other presenters were Dr. Carolyn Gomes and Lord Anthony Gifford.

Public Lectures/Fora

Public Lecture by the Vice-Chancellor, University of Cape Coast, Ghana

On October 25, 2010, the Institute in collaboration with the Office of the Principal hosted Professor Naana J. Opoku-Agyemang, Vice-Chancellor of the University of Cape Coast, Cape Coast, Ghana and the first female to be appointed Vice Chancellor of a State University in Africa, at a public lecture at the Rex Nettleford Hall. Professor Opoku-Agyemang came to the island after having received an Honorary Degree at the graduation

ceremonies on the Cave Hill campus on October 23, 2010. Her lecture entitled, “Women and Leadership” was attended by persons including Senator the Hon. Dwight Nelson, Mr. C. William Iton, University Registrar, and Mr. Archibald Campbell, University Bursar.

National Chairperson of the African National Congress and former Secretary General of the ANC Women’s League

On November 29, 2010 the RCU in collaboration with the South African High Commission hosted Comrade Baleka Mbete, the National Chairperson of the African National Congress and former Secretary General of the ANC Women’s League. The event was successfully attended by both University and high school students as well as several lecturers and persons from the wider society.

Coral Gardens 1963: A Legal Analysis and Implications for the Jamaican Justice System

The RCU successfully hosted a public lecture entitled “Coral Gardens 1963: A Legal Analysis and Implications for the Jamaican Justice System” which was delivered by Mr Hugh Small Q.C. on April 21, 2011. Mr. Small’s lecture recounted aspects of the 1963 Coral Gardens incident and events leading up to it. He related how these events impacted subsequently on developments in the justice system. Also sharing on this occasion were members of the Rastafarian Community who survived the tragedy.

Voicing West Kingston

The IGDS in collaboration with the Jamaica Civil Society, Jamaicans for Justice, Sistren Theatre Collective, and Friedrich Ebert Stiftung with support from the European Union presented a public forum entitled “Voicing West Kingston: One Year Later” on May 31, 2011. The forum allowed for discussion of the historical and socio-political significance of what happened in Tivoli and the surrounding areas of West Kingston in May 2010.

Workshops/Seminars

The RCU in association with the Mona Association of Post-Graduate Students, (M.A.P.S) hosted three post graduate workshops during the period April 4-7, 2011. The topics presented included:

- Research Methods Using a Gendered Analysis,
- Gender Analysis in ICT: Doing Gender Online
- Using Sex in your Dissertation

Visit to the Vineyard Town Senior Citizens' Home

On July 22, 2011 the Unit extended its outreach activities to the Vineyard Town Golden Age Home, which houses elderly and disabled indigents, by providing donations as well as visiting the residents.

Academic Activity: Staff Members

In addition to carrying out their teaching and administrative responsibilities, members of staff found time to attend various academic fora at which they made presentations. A sample is highlighted below:

PAPERS PRESENTED

Dr. Dalea Bean

- ‘Doing their little bit’: Jamaican Women’s Non-military Work in World Wars I and II”, “Beyond the Battlefield: The Labour of Military Service in Latin America and the Caribbean.” Duke University, April 1-2, 2011.
- “Teaching men feminism by Distance Education: Perspectives, Challenges and the Way Forward.” The Future of Education Conference, Florence Italy, June 16-17, 2011.
- (With Andrew Spencer): “I like my job (sometimes): Differences in perceptions of male and female line level employees about their work in the hospitality industry in Jamaica”. IJAS Conference, Provence, France June 7-10, 2011.

Ms. Suzanne Charles

- Vulnerabilities and Adaptation: Gender and Climate Change: A Jamaican Case Study, The Ramphal Commission's Symposium on Migration and Development in Kingston, Jamaica. February 24, 2011.

Ms. Taitu Heron

- "Globalisation, Neoliberal Ethics and the Black Body" Conference on Caribbean Globalizations: Histories, Cultures and Genres, 1493 to the Present, Oriel College, University of Oxford, UK, September 27-29, 2010
- "Just who are those People: Gender in the 'West' and Reclaiming an African Spirituality", Perspectives on African Spirituality, UWI Mona, February 27, 2011
- "Governance, Ideology and Women's Citizenship: Lessons from the Abortion Debate in Jamaica, 1970-2010", Caribbean Studies Association Conference, May 30 – June 4, 2011, 12pp.
- (with Sistren Theatre Collective) "His Story, Her Story, Our Stories: the Impact of the West Kingston Incursion on Everyday life in West Kingston. May 31, 2011, Wyndham, Kingston.

Mrs. Shakira Maxwell

- All I'm Asking for is a Little Respect: "Case Study Experiences of Administrators in a University Institutional Environment", Association of Caribbean Higher Education Administrators Conference July 7-9, 2011 UWI, Cave Hill Campus.
- (with Jennifer Wynter-Palmer and Arlene Supersad) "United We Stand, Divided We Fall: An Exploratory Study of the Nature of the Relationship Between Academics and Administrators in a Higher Education Institution" Association of Caribbean Higher Education Administrators Conference July 7-9, 2011 UWI, Cave Hill Campus.

Professor Verene Shepherd

- “We’ve Been Trodding on the Winepress Much Too Long”: Women and Resistance in the Caribbean.” Academic Conference of the 3rd Arts Festival, Dakar, Senegal, December 2010.
- “The University of the West Indies and its Slavery Past” , Emory University Conference on Slavery and the University, Atlanta, Georgia, USA, February 3-6, 2011.
- “From Accompong to the Zong: The A-Z of Jamaican Heritage”, Moneaque Teacher’s College, February 17, 2011.
- “We’ve Been Trodding on the Wine Press Much Too Long”: Women and Activism in the Post-Colonial Caribbean.” The Edna Manley Memorial Lecture, Edna Manley College of the Visual and Performing Arts, March 3, 2011.
- “Women of African Descent in the Commonwealth Caribbean.” CERD one-day seminar in honour of the International Year for People of African Descent, Geneva, Switzerland, March 7, 2011.
- “Monuments, Memorialization and Decolonization.” Conference on “Equity, Justice, Development”, Cartagena, Colombia, March 19-24, 2011.
- “Obstacles to the Creation of Afrocentric Societies in the Commonwealth Caribbean”. Tenth Session of the Working Group of Experts on People of African Descent, Geneva, Switzerland, March 28 – April 1, 2011.
- “No More Body Bags”: Interrupting Jamaica’s Terror History, Public Forum, “Voicing West Kingston”, May 31, 2011, Wyndham, Kingston.
- “Teach the Children the Truth: Challenging Gender-Based Myths in History Education in Jamaica”, JTA Research Workshop on “Every Learner”, July 14, 2011.
- “Best of your pasts for your future”, Jose’ Marti Past Students’ Association Reunion Launch, July 30, 2011.

- “The International Year for People of African Descent and Emancipation 2011”, Spanish Town Vigil, July 31, 2011.

PUBLICATIONS

Books:

- * **Verene Shepherd, (ed)**, Engendering Caribbean History: Cross-Cultural Perspectives. Kingston: Ian Randle Publishers, 2011

Refereed Articles & Book Chapters:

- * **Dalea Bean**, ‘For our King, For our Country, For Ourselves’: Jamaican Women’s Narratives of Participation in World War II. Verene Shepherd, ed., Engendering Caribbean History: Cross-Cultural Perspectives pp. 766-777. Kingston: Ian Randle Publishers, 2011. pp. 766-777.
- * **Dalea Bean**, ‘Born to Serve: The Political Life of Hon. Portia Simpson-Miller’. Cynthia Barrow-Giles ed., Women in Caribbean Politics. Kingston: Ian Randle Publishers, 2011. .pp 162-172.
- * **Shakira Maxwell**, “Breaking the Barriers: A Brief Examination of Olivia ‘Babsy’ Grange” by Cynthis Barrow-Giles (ed) in “Women in Caribbean Politic”, Barbados: Ian Randle Publishers, 2011. pp 120-127.
- * **Verene Shepherd**, “Marcus Garvey and the Education of People of African Descent in A Post- Colonial Society”, 76 King Street, Vol. 2 - *The Journal of Liberty Hall: The Legacy of Marcus Garvey*.

Non-Referred Articles

- * **Susan Charles**, Gender differentials in Caribbean education systems. In Commonwealth Education Partnerships (with Barbara Bailey) 2010/11. London: The Commonwealth Secretariat. (December 2010).

- * **Verene Shepherd**, “Unorthodox Lecturer”, BIM: Arts for the 21st Century, Volume 4 No.1 November 2010-March 2011,

INCOME GENERATION

The ICODS raised the following sums during the Academic Year 2010/2011.

FROM SEPHIS

USD\$28,200 to host A Conference on “Gender, Climate Change and Natural Disasters in the Global South: Development Threats in the 21st Century.”

FROM OXFAM

USD\$12,000 to conduct a project entitled “By the Sweat of Our Brows: Creating Gender Justice through Women’s Economic Leadership among Rural Jamaican Women.”

FROM UNFPA

USD\$10,000 to conduct a review of the main texts used in schools to prepare students for the CAPE and CSEC History Examinations in order to identify the major gaps with respect to gender issues.

FROM UNWOMEN/UNIFEM:

US\$50,000.00 to establish a module on gender at Universite Quisqueya in Haiti.

The RCU also received JAD\$3M from **Caribsave** to continue year 2 of the joint project.

PUBLIC SERVICE

Taitu Heron

- Board Member, Volunteer Workshop Facilitator, Women’s Media Watch Jamaica
- Member, Regional Coordinator, Development Alternatives of Women for a New era (DAWN) Caribbean Chapter.
- Member, Research & Data Management Committee, Early Childhood Commission
- Member, b l a c k s p a c e Collective
- Member, Violence Prevention Alliance

Shakira Maxwell

- Member, Gender Policy Committee, Ministry of Education.
- Research Associate, Centre for Leadership and Governance, UWI, Mona.
- Member, Development Alternatives with Women For a New Era (DAWN) Caribbean. Kingston,

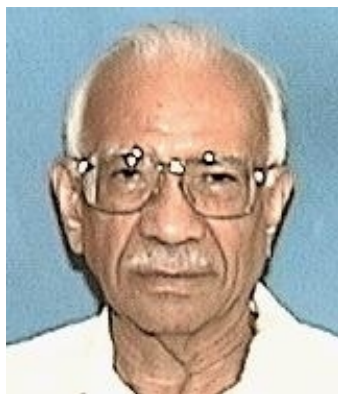
Verene Shepherd

- Steering Committee Member, South-South Exchange Programme for Research on the History of Development
- Board Member, Association for the Study of the Worldwide African Diaspora (ASWAD)
- Member, United Nation’s Working Group of Experts on People of African Descent (WGPAD)
- Member, Advisory Board, Registrar General’s Department
- Member, Jamaica Chapter, International Women’s Forum
- Currently serving on the Editorial Committee/Advisory Boards of the following academic journals: *the Arts Journal*, *Jamaica Journal*, *Slavery and Abolition*, *Small Axe*, *Social and Economic Studies*, *Atlantic Studies*, *Journal of Caribbean History*, *International Journal of African Renaissance Studies*
- Host, “Talking History”, Nationwide 90 FM

INTERNATIONAL CENTRE FOR ENVIRONMENT AND NUCLEAR SCIENCES (ICENS)

**Professor the Hon. Gerald C. Lalor OJ, CD, MSc *Lond-UCWI*,
PhD *Lond* – Director General**

Dr. Richard Annells, formerly of the British Geological Survey, has accepted the offer of Director-General of ICENS and will arrive in September 2011 to take up the post. Dr. Annells brings a wealth of knowledge and experience and is a very good appointment for ICENS. He is being supported by the Bank of Nova Scotia Foundation. Another appointment, a Jamaican Dr. Adrian Spence, who recently completed a Doctorate from University of Dublin, has accepted the offer which arose on the departure of Dr. Paul Wright for Australia. Dr Spence's interest is in soil geochemistry. He comes very highly recommended.



The Centre has had new equipment problems as the optical emission spectrometer has been inoperable for months despite every effort to fulfill the government regulations required for foreign based firms to fulfill the regulations. Arrangements have now been made with the Chemistry Department and with the Bureau of Standards to carry out some analyses on their equipment. The food composition studies are well behind the operational schedule.

In the transformation process, the government responsibility for ICENS has been transferred from the Office of the Prime Minister to the Ministry of Energy. The relevant minister and permanent secretary have welcomed the change most warmly and expressed their appreciation for the major role the Campus has played and continues to play in the development of ICENS.

Preliminary plans are being made for the exchange of SLOWPOKE cores. These include a new safety manual and determining the detailed steps for the process.

RESEARCH AND DEVELOPMENT

Food and soils

Data have been gathered on the chemical composition of imported and locally grown rice. The locally grown samples, taken from St. Elizabeth and St. Catherine, show elevated levels of several essential trace elements but very low levels of toxic elements. The imported rice also raises no flags.

A study of nematodes as indicators of heavy metal pollution in soils was carried out by The Third World Academy/UNESCO Fellow. The data are being examined.

Health Studies

Trace element information on soils and foods in Jamaica has led to an interest in elemental transfers to humans and possible links with diseases such as hypertension, cancers, renal maladies, diabetes and cardiovascular illnesses which are reported to be of high incidence in Jamaica. Data on trace element concentrations on the blood of a selection of blood donors are available and these form a basis of future work. No surprising features have been observed but there are indications of gender differences and perhaps zinc deficiencies for some women. These and other points will be followed up.

FUTURE WORK

Food and Soils

Work on the series Soil Plant Humans will continue hopefully at a greater rate to contribute to both agriculture and health.

Radio Nuclides and Soil Erosion

A collaborative study by Rural Physical Planning Division (RPPD), for the Ministry of Agriculture and Fisheries, ICENS and Forestry on **“Using Environmental Radionuclides as Indicators of Land Degradation in Latin American, Caribbean and Antarctic Ecosystems”**, **RLA/5/051**, was approved for 5 years ending 2013. To date, ICENS has received equipment and standard reference materials for soil measurements from the IAEA and performed analyses on the set of samples taken from Orange River, Newton and Hope Garden areas. The results will be used to quantify soil erosion over the past few decades.

Cadmium Isotopes

Cadmium has many natural isotopes and the isotopic ratios may well help determine the origin of the remarkable levels of cadmium found in some bauxites in Jamaica. This may well be a means of determining the origins of the cadmium in Jamaican soils.

Conferences and Meetings

In December 2010, ICENS in cooperation with the International Atomic Energy Agency hosted an international meeting on **“Innovative Applications of Low Flux Research Reactors”**. The meeting was attended by 12 participants from 8 countries.

Mr Grant presented a paper on **“The Jamaican SLOWPOKE Utilization and Core Conversion Plans”** at 32nd International Meeting on Reduced Enrichment for Research and Test Reactors (RERTR), held in Lisbon, Portugal from October 10-14, the paper has been published in the conference proceedings. Funding for attendance to the meeting was provided by the U.S. Department of Energy / National Nuclear Security Administration’s Office of Global Threat Reduction in cooperation with the International Atomic Energy Agency.

In September 2010 and February 2011; Mr Grant attended two International consultants meetings in Vienna; these covered the areas of Neutron Activation Analysis and Safety Aspects for Research Reactor

Core Management and Conversion from Highly Enriched Uranium to Low Enriched Uranium.

In May 2011: Mr Grant participated in the 3rd Coordination meeting of the Latin American and Caribbean IAEA Regional project RLA0037: “Supporting a Sustainable Increase in the Use of Research Reactors in the Latin American and Caribbean Region through Networking, Exchange of Experiences, Knowledge Preservation and Training of Human Resources (ARCAL CXIX)”.

In December 2010: Mr Preston delivered a paper entitled “Data Management Strategies to Maximize the Output of the Jamaica Low Flux Research Reactor” at the IAEA/ICENS Technical Meeting (TM) on Innovative Applications of Low Flux Research Reactors held at the University of the West Indies, 6-10 December.

In June 2011, Mr Preston was invited by the IAEA to sit on a panel of experts to advise them on “Automation of Neutron Activation Analysis (NAA) Services within the Research Reactors Caribbean Coalition”.

Training

As part of the drive of the ICENS to attain ISO accreditation, 3 members of staff attended an IAEA training course in Peru. The purpose of the course was to give an overview of the processes required for research reactor facilities to achieve certification/accreditation for compliance with International Standards such as ISO-9000 series and, ISO/IEC 17025, as well as the latest approaches in the required quality control and quality assurance for work associated with the use of research reactors. One member of staff also received training.

As part of the sustainability of the “MegaPorts Initiative”, Mr. Craig Boyd has been certified as a trainer in response to radiological emergencies and the radioactive source recovery process, through the United States Department of Energy (US DOE) and their National Nuclear Security Administration (NNSA) in conjunction with the Second Line of Defence (SLD) for the Jamaica Customs.

PUBLICATION

- * **Grant C, Lalor G**, Fletcher H, Potter T, Vutchkov M and Reid M. Elements in Human Placentae in Jamaica, *West Indian Medical Journal*, 2010; 59(5):479-85.

PUBLIC SERVICE

Mr Johann Antoine

- Chairman, National Mirror Committee on ISO Standard TC 93, technical committee on starch (bi-products and derivatives);
- Member, Codex Committee on Methods of Analysis and Sampling.

Mr Charles Grant

- Member, Ministry of Energy Committee on Nuclear Energy as an option for Jamaica;
- Committee member, NEPA/UNDP renewable wave energy technologies for the generation of electric power in small coastal Communities in Jamaica;
- National Coordinator, Incident Reporting system for Research Reactors;
- National Coordinator, Radiation Safety Information Management System;
- Country Representative to ARCAL, Supporting a Sustainable Increase in the Use of Research Reactors in the Latin American and Caribbean Region

Ms Leslie Hoo Fung

- Chairperson, National Food Standards Committee.

Professor Gerald Lalor

- Commissioner, National Commission for Science and Technology;
- Honorary Chairman, Gleaner Company;

- Board Member, Insurance Company of the West Indies;
- Board Member, Insurance Company of the West Indies Foundation;
- Member, Editorial Board of The Science of the Total Environment;
- Member, Third World Academy of Sciences (TWAS); The Royal Society of Chemistry; the American Chemical Society; the New York Academy of Sciences; The American Association for the Advancement of Science;
- Member, Council of the Institute of Jamaica.

Mr. John Preston

- Member, Land Information Council of Jamaica;
- Member, Telecommunications Appeals Tribunal.

Mrs. Joan Thomas

- Member, Inner Wheel Club of Kingston.

MONA SCHOOL OF BUSINESS

Professor Evan W. Duggan – Executive Director

WORK OF THE SCHOOL

The need for high-quality management education, with the appropriate rigour, to develop transformational leaders equipped to contribute to the creation and preservation of national wealth and the competitiveness of the region, is undoubtedly greater now than when the Mona School of Business (MSB) began in 1987. Yet the protracted decline in the global and national economic crises with their now well-known and dire consequences is placing the cost of such education progressively beyond the reach of aspiring managers. The inconspicuous passage of the typically discernable post-July calm (signalling the departure of graduating students) after the great May to July bustle, when graduating, on-going and new students coexist in noisy congestion, is a quiet reminder of these unfavourable economic conditions. For the second year running our advertising and promotional efforts delivered a large pool of qualified applicants, but several prospects were unable to accept admission offers; hence a second year of low enrolment. We were unable to assemble an EMBA cohort this year.



The impact of the prevailing conditions continues to be evident in a variety of ways including high accounts receivables from student and increased requests for leave of absence. Companies no longer sponsor employees, provide time off, or offer scholarships. The response to requests for sponsorship of MSB events and advertising in MSB-sponsored publications has abated. Local funding for research and development activities is virtually non-existent. Increasing price sensitivity has forced us to maintain tuition fees at the same rate for the past three years, and to offer discounts in a variety of cases. These conditions and the fact that

many organizations have slashed training budgets have also affected the earning potential of the Professional Services Unit (PSU). While our free public lectures and workshops have attracted full houses, paid events are not well supported.

This year's approximately 200 graduates matriculated at the onset of this crisis. They are therefore the first cohort of students to have studied through the entire period of the unusual economic and social pressures of these times; many of their colleagues did not make it for financial reasons. Other MSB "firsts" include graduates from the Western Jamaica Campus, the MSc in Telecommunications Policy and Technology Management programme, and Cohort 1 of the upgraded Diploma in Business Administration. One major consideration this year is whether we have been responsive enough in providing the kind of business management education that is demanded in these turbulent times.

As these graduates depart, we are pursuing a thorough review of the MBA and EMBA curricula, responding to well supported calls to strengthen risk management, services management, supply chain management, and the treatment of ethics in our programmes and to give greater prominence to the development of effective communication skills. These indications have been endorsed by several entities, including, board members, external examiners, the Association to Advance Collegiate Schools of Business (AACSB) in their body of knowledge guidelines, the Association of MBAs (AMBA) and other collaborating institutions.

Similarly, the demands of national competitiveness justify an extensive emphasis on corporate "intrapreneurship" and the erosion of job opportunities is pushing us further towards a more thorough focus on innovation creation and entrepreneurship. However, we need to do more than bolster the confidence of students and provide concrete examples of how ambitious young entrepreneurs, innovative new businesses, and inspired enterprises emerge from the ashes of economic recession and help them visualize a path toward the commercialization of the business opportunities they conceive.

But there are other non-curricular issues that we cannot ignore, such as whether our graduates are endowed with the confidence to apply their

education and training to provide the leadership and the managerial and technical skills to assist organizations successfully navigate the uncertainties and complexities that have become regular features of conducting business in the modern enterprise. Will they operate beyond the locus of their learning at MSB and open their minds to new perspectives in order to generate novel and relevant solutions? Have we instilled in them the moral courage to help reduce the deficit in ethical principles and standards that pervade our society? These issues now inform the programme outcomes in the major curricula review that is underway.

Despite the generally unfavourable economic circumstances and the intensity of competition in what has become the global business education industry, MSB continues to forge ahead with ambitious plans and strategies designed not merely to ensure our premier place in this market, but to increase our competitive distance by defining a compelling value proposition. Some recent indicators have signalled that we are moving in the right direction:

- We have consistently ranked among the 30 most popular Business Schools in the Americas (Canada, Latin America, and the Caribbean) in the MBAFinder web listing
- The MSB/UWI Mona team that represented us in Atlanta this year won the Opportunity Funding Corporation Venture Challenge (OFCVC) competition and retained the prize for the Best Presentation, in the process, beating twenty other US-based institutions
- The visiting AMBA accreditation panel adjudged that we had amply satisfied their accreditation criteria and awarded accreditation for the maximum period of three years for first time applicants. The panel expressed great satisfaction with our standards of postgraduate management education and our commitment to continual improvement

Accreditation, however, comes with provisos that are not cost free. These include the non-negotiable maintenance of cohort sizes at a minimum of 20 and the ineligibility of students with less than 3 years post-graduation

work experience; the stipulation to maintain a “reasonable” level of full-time faculty (higher than our current level); the requirement to formally identify and assign to particular staff members, specific student services responsibilities beyond course coordination; and the strongly recommended minimum-term, fixed-period curriculum reviews. In the short term, and until the benefits trip in, these requirements will impose additional fiscal pressures on us.

We have engaged in several successful belt-tightening initiatives; however, it is clear that substantial income replacement and generating innovations are required. We have begun the planning therefore to employ those revenue sources that have hitherto been underworked. Accreditation will assist in our efforts to attract international students for our full-time programme, for which we have capacity and to compete for the very best students. We intend to pursue endowments to promote entrepreneurship and the commercialization of innovative projects. We have begun to engage our Alumni body seriously and eventually will seek small, periodic contributions from them.

We have focused extensively in the preceding on the challenges to building human capital, which is a very important component of our mandate; however, MSB’s engagement of a wide range of other business activities continues to help extend our footprint in the business community. Our provision of professional and executive development options is a boon for public and private sector entities grappling with the problem of finding solutions to the complex business issues of our times and the volatility of the business environment.

The research output of the School is quite commendable for an academic staff of that size and helps to extend the boundaries of knowledge in the various business disciplines through the conduct of scholarly research. The Centre of Excellence (CoE) for IT-enabled Business Innovations has made a strong contribution to research and innovation efforts for small and medium enterprises (SMEs) and a mega-effort related to Mobile Financial Services. The Telecommunications and Policy Management (TPM) unit continues its impressive research efforts to guide telecommunications policy and development and the outreach activities of

the school are exemplary; it greatly supports our thrust to obtain greater visibility and build social capital.

Many of the activities mentioned in this report denote the diligence of our small core of full-time Faculty and Staff (for the most part), ably supported by a pool of trusted associates. The energy of the faculty and staff provides the fulcrum for our notable achievements. These performances typically exceed the call of duty by a large margin.

ACADEMIC PROGRAMMES

The 2010/2011 academic year attracted the accustomed high level of activity in the Unit with visits by external examiners, Open House for prospective applicants and students, numerous information and application sessions, new student intake, the bustle of teaching and learning, and graduation and awards ceremonies.

MSB Graduates 2010

Approximately 204 MSB students graduated this year from the MBA, EMBA, Diploma in Business Administration and MSc. Telecommunications Policy & Technology Management (MSc. TPM) programmes. MSc TPM, the MBA– Western Jamaica Campus, and the Diploma, graduated their first cohorts.

The MSB annual Awards Ceremony took place on Wednesday, November 24, 2010 at the Mona Visitors Lodge to honour outstanding students, groups that excelled in the Vincent HoSang Venture Competition, and long-serving staff members.

Table 1 provides a breakdown of MBA graduates based on Concentrations.

TABLE 1: BREAKDOWN OF MBA GRADUATES BY CONCENTRATION

Area of Concentration	Number of Students	Percentage
Banking and Finance	60	39%
General Management	28	18%
International Business management	29	19%
Marketing Management	26	17%
Human Resource Management	4	2%
MIS	8	5%

Finalizing Students

Table 2 indicates the number of students who proceeded to the final phase of their programmes during the period under review. In the case of the part-time students (MBA and EMBA), they commenced studies in May 2009, are now doing their final courses and should be eligible for graduation in November 2011. The full-time students entered in May 2010 and are due to graduate in November 2011.

Table 2: Finalizing Students

Programme	Total
MBA FT	15
MBA PT, Sundays	43
MBA PT, Evenings	93
EMBA	25
Total EMBA and MBA	155
Diploma	11
Grand Total	189

Admissions and Enrolment

In an effort to support the application campaign, MSB hosted information sessions on December 1, 2010 at the Mona Campus and December 4, 2010 at the Western Jamaica Campus. These information sessions were aimed at providing the one-on-one contact that is essential when making a decision to pursue a graduate programme and reaped a number of on-the-spot applications. However, persistent economic decline has again negatively impacted our recruitment efforts. For the second year running our advertising and promotional efforts delivered a large pool of qualified applicants but several prospects were unable to accept admission offers. There was no new student intake for the EMBA group this year due to the low numbers. A survey of these applicants produced similar responses to those we obtained last year; despite their interest in, and conviction about the benefits of, graduate management education and the desire to enrol, their financial situation precluded such a financial undertaking in this climate.

MSB Western Jamaica Campus (WJC)

For the first time, students from the Western Jamaica Campus have transferred to the Mona Campus to take advantage of the concentration courses not offered at the Western Campus.

The MSB eLearning Course Management System (MSB-ELS)

The MSB Course Management System (MSB-ELS) is now well-established and being used to support the majority of classes in the MBA Program for content delivery and interaction. Currently all courses are web supported, with a few such as MIS and Financial Management being web enhanced (replacement of approximately 30 percent of face-to-face classes). Lecturers are utilizing the facility for content delivery and contact; however, more use needs to be made of the discussion forums.

QUALITY ASSURANCE

AMBA Accreditation

The Mona School of Business (MSB) has received accreditation from the international Association of MBAs (AMBA) for achieving what AMBA describes as the highest standard in Postgraduate Business Education. The recognition was received in June 2011 from the AMBA Board. This recognition, according to AMBA, is earned only by Business Schools with the “best programmes”. AMBA’s accreditation service is internationally recognised as the global standard for all MBA, MBM and DBA programmes. MSB received special commendation for the close relationship between the School and the local business world; the role of the cluster coordinators as mentors and controllers of quality especially in relation to the adjunct teaching staff; the close relationship between the School and the local business world; and the quality and the commitment of the students and graduates of the MBA programmes. The school was also commended for its process for dealing with poor teaching performance, staff development opportunities available to both full-time and adjunct faculty, the enthusiasm and commitment of the MBA faculty, student membership of the School’s Board and the flexibility of delivery of the MBA programmes.

External Examiners’ Meetings

The Board of Examiners’ meetings were held for the Mona and Western Jamaica Campus programmes August 2010. The external examiners provided positive feedback and contained very useful recommendations for improvement and renewal. The most recently contracted external examiner is Professor Barron Harvey, Dean of the Howard Business School. We are forging ahead with collaborative arrangements with him in other areas.

Exit Interviews & Focus Group Meetings with Graduating Students

All graduating students were asked to fill out an exit questionnaire and four (4) focus group meetings have been conducted with randomly

selected graduates from the EMBA, MBA part time, MBA full time, and the Diploma programmes respectively. The results have been compiled, and they will be used to provide insights for enriching the MSB student experience.

NEW AND REVISED PROGRAMMES

Work continues with the design of several new programmes and courses: An MSc programme in Enterprise Risk Management to be offered jointly with the Department of Mathematics; The MSc in Sports and Events Management; The development of a Services Management concentration, which will be offered initially at Western Jamaica Campus; and a suite of courses in Competitiveness which will be available in the General Management concentration.

Doctorate In Business Administration (DBA)

The MSB welcomed the 9 members of its third cohort of the Doctorate in Business Administration (DBA) programme at orientation on January 10, 2011. Members of Cohort 1 are now defending their research proposals; and Cohort 2 is preparing for comprehensive exams.

Executive Master in Educational Management (EMEM)

The MSB together with the MICO University College jointly offers an Executive Master in Educational Management (EMEM) for Principals and Senior Administrators. The first Cohort of the EMEM commenced in July 2009. That cohort completed the programme and their graduation ceremony was held on December 4, 2010.

Master of Business Management (MBM)

The Master of Business Management (MBM) programme to accommodate students with less than 3 years business experience (excluded from consideration for the MBA by AMBA's accreditation rules) welcomed its first cohort of the new MBM programme at the

orientation session on September 6, 2010. Fifteen (15) persons accepted offers and although this was lower than was hoped, it was decided that the programme should be initiated with slightly less than the breakeven number.

Sports and Events Management

The proposed concentration for Sports Management in the MBA programme has gone through all the approval stages at Mona and the University Board for Graduate Studies and can now be offered to the batch of students going forward.

SPECIAL EVENTS

Kingston 360° Breakfast Talk Series and Thought Leaders Dinner

The Mona School of Business in conjunction with the Spanish Court Hotel hosted the first in the series of “Kingston 360° Breakfast Talks” on August 20, 2010 at the Spanish Court Hotel. The event featured Professor Obika Gray, Professor of Political Science from the University of Wisconsin, USA, as the guest speaker. His talk focused on the topic “Cultural Development in a Post Independent Jamaica”. The Thought Leaders dinner and second Kingston 360° Breakfast Talk was held on March 25 and 26, 2011 respectively. Professor Peter Blair Henry was the guest speaker at both events and Dr. David Tennant the discussant at the breakfast, which was moderated by the Hon. Oliver Clarke. The breakfast brought together retiring and emerging thought leaders who engaged in stimulating discussions related to Jamaica’s productivity and state of development.

MSB Business Review Magazine

The second issue of the MSB Business Review has been published. In addition to the running themes of the magazine – Policy, Entrepreneurship, Strategy & Solutions, Technology, and Finance and Economy, Talent Management was featured as the cover story. As was the case with the first issue, MSB distributed several complimentary copies on

its way to establishing a subscription arrangement for both print and electronic editions of the magazine. The magazines can also be bought in the Documentation Centre of the MSB and island-wide distribution is being administered by Novelty Trading Company Ltd.

Opportunity Funding Challenge Venture Competition (OFCVC)

The team of Danielle Barnett, Christene Gittens, Rohan Hylton and Taja Simpson from MSB/UWI participated in the annual OFCVC Business Plan Competition in Atlanta where they won first place and received the award for best presentation among the over 20 participating schools. Ours was the only non-US team.

MSB Strategic Review

The Mona School of Business, in its quest to continually reinvent itself and to remain relevant to its valued stakeholders, undertook a review of the strategic priorities it established in 2008. An all-day strategic retreat was held on November 20, 2010 at Eden Gardens. Invitees included MSB directors, members of the MSB board of directors and students of the doctoral programme and prominent corporate business associates.

Professional Services Unit (PSU)

The Professional Services Unit provides Professional & Executive Development Training either customized or standard, organizes Business Conferences & Seminars (delivering a major conference – MSB Roundtable 2011), offers Management Consultancy, and establishes Research Databases & Business Cases. Their mandate is to exploit opportunities for improving the competencies of leaders and managers in both private and public sector organizations and NGO's and to assist organizations to improve their operations and competencies. Throughout the year, PSU continued its growth momentum and contributed to profitable revenues at MSB and building brand image and reputation of the School. The main challenge facing the PSU was demand generation in a climate of economic recession with weak demand and increasing price sensitivity of client organizations.

Center of Excellence (CoE) For It-Enabled Business Innovations

MSB's Centre of Excellence (CoE) gained the distinction of being one of 20 best winning Innovation ideas selected for the Multi-Agency Initiative "Technologies for Financial Inclusion Program". The Call for project ideas that would improve the low-income population's access to financial services by applying innovative technological solutions in Latin America and the Caribbean (LAC), attracted 420 idea submissions from 30 countries. MSB's submission was one of only two successful Caribbean projects selected. As a result, MSB participated in the Microenterprise Forum (Foromic 2010), the biggest gathering of microfinance institutions in Latin America and the Caribbean held in Montevideo, Uruguay from October 6-8, 2010.

Mobilization activities for the One-Laptop-Per-Child (OLPC) Pilot projects to be implemented at Providence Methodist Basic and August Town Primary were carried out. Funded by P.A.C.E. Canada and in collaboration with the UWI Township Initiative, the project involves the installation of 115 XO Laptops at the two schools and will provide multiple research agendas (Technology Adoption, Technology in Early Childhood Education, Social Intervention/Outreach).

The CoE/MSB led a UWI effort to organize a one-day Mobile Financial Services (MFS) conference on December 10, 2010, to clarify important considerations related to Governance and Ownership, regulatory issues, technical options, case studies, commercial dimensions, and economic impacts, among others and build a consensual framework for the way forward. The conference featured an impressive cadre of International experts.

Three of the SME Case Projects implementing FOSS applications are being prepared for Production (one of the original participating companies dropped out of the program, due to winding down operations). As part of the close-out process, the unit will be formally evaluating the user experience and value perception of the applications for the companies.

They are also currently exploring several commercial business opportunities for deployment of one or more of the 3 primary FOSS

Applications: Human Resource Management System, Customer Relationship Management System and Corporate eLearning System.

Telecommunications Policy & Management Programme (TPM)

TPM hosted an ICT Policy Conference in recognition of the World Telecommunication and Information Society Day 2011. It was held at the New Faculty of Law Building, May 17-18. Over 90 persons from Government, Regulatory Agencies, Industry, Civil Society and Academia participated. The Conference sought to address topical issues in ICT policy, regulation and industry while highlighting the research work of the TPM Programme under the Networks for Development, The Caribbean ICT Research Programme 2009-2011, supported by the International Development Research Centre (IDRC).

The TPM completed the Caribbean's first national survey of broadband usage patterns and other ICT indicators, at the household and individual levels in Jamaica. The study was carried out as part of a larger project funded by the International Development Research Centre (IDRC) of Canada, with the collaboration of the Caribbean Telecommunications Union (CTU), UWI St Augustine and the ITU. Jamaica's STATIN was engaged to carry out the fieldwork, which ended in January 2011. The study was launched and well received at an MSB Media Briefing on April 14, at the Wyndham Hotel in Kingston.

The Broadband and ICT Indicators Study was led by TPM's Director, Professor Hopeton Dunn, and formed an integral part of the cluster of other key research initiatives which received the Principal's Award for the Research Project Attracting the Most Research Funds in the Faculty of Social Sciences for the current academic year. Another leading component of the Project, also completed by TPM, is a regional research report called Rethinking ICT Policy-making and Regulation in the Caribbean.

TPM has also held briefings on the results of the ICT survey for various stakeholders including meetings with the Minister with responsibility for Telecommunications, Hon. Daryl Vaz and his team; Leader of

Opposition, Mrs Portia Simpson Miller and some members of the shadow cabinet; as well as industry stakeholders.

Professor Hopeton Dunn, Director of TPM, won the Principal's Award for the FSS research project attracting the most funding.

CONFERENCES / SYMPOSIA / SPECIAL LECTURES

5th Caribbean Dispute Resolution Conference

MSB partnered with the Dispute Resolution Foundation and the Chartered Institute of Arbitrators (CI Arb), Caribbean Branch to host the 5th Caribbean Dispute Resolution Conference April 28 - 30, 2011, at the Jamaica Conference Centre. Deliberations at the conference were centred on mediation, arbitration, and restorative and community Justice under the theme "Encouraging a Culture of Justice and Peace through Conflict Resolution: Strengthen your Role!" Over 200 professionals registered for this event.

One-day Mobile Financial Services (MFS) Conference

MSB led a UWI effort to organize a one-day Mobile Financial Services (MFS) conference on December 10, 2010, to elucidate important considerations related to Governance and Ownership, regulatory issues, technical options, case studies, commercial dimensions, and economic impacts, among others and build a consensual framework for the way forward. The conference took place at the Terra Nova and featured an impressive cadre of International experts, with the Minister of Finance and the Public Service, the Hon. Audley Shaw, giving the Keynote address at the opening session. Other active institutional sponsors/participants included: The PSOJ, Development Bank of Jamaica (DBJ) IDB's Multilateral Investment Fund, and USAID. The Mobile Financial Services (MFS) Pre-Conference was held on Thursday, December 9th at Strawberry Hill Hotel, featuring the overseas presenters at the MFS conference.

Secrets to Business Success Forum

On February 15, 2011, MSB in partnership with Exim Bank and the Jamaica Bankers Association hosted a forum entitled “Secrets to Business Success” at the Jamaica Pegasus Hotel. Highlights of the day included a panel discussion, chaired by Professor Alvin Wint, which involved six (6) successful entrepreneurs and business leaders discussing their “secrets to success”. This was followed by a special luncheon event, “A conversation” with Denis O’Brien, the founder and Chairman of Digicel. This session was moderated by Mr. Milton Samuda, President of the Jamaica Chamber of Commerce who “conversed” with Mr O’Brien. Members of the audience fielded questions to Mr. Obrien through Mr. Samuda during the conversation.

Issues Management and Crisis Communications Workshop

An Issues Management and Crisis Communications Workshop was held under the theme “Managing the Ethical Dilemma” on March 30, 2011 at the MSB. Aimed at marketing, communications, media and brand professionals, business executives, entrepreneurs and public officials, the workshop sought to equip participants with a range of perspectives on crisis communications management, handling the ethical dilemma, crisis communication planning tools and media relations imperatives. The workshop was jointly hosted by the MSB and Illuminarte Communications Ltd.

MSB Roundtable 2011

The Roundtable was held on June 16, 2011 at the at the Mona Visitors’ Lodge. The PSU organized MSB Roundtable 2011 in partnership with Deloitte, the world’s largest professional services firm, and Turnaround Management Association, the only non-profit organization dedicated to corporate renewal under the theme: “Organizational Renewal – From Recession to Recovery and Growth”, with a focus on strategic management. Over 100 CEOs, managers, academics and other professionals met in dialogue. This discourse evolved several recommendations to guide national policy and business strategy including extension of the Companies Act to include a full bankruptcy code for

rehabilitating viable firms in profit trouble and attainment of global competitiveness through more inter-organizational partnerships and better prepared human capital.

JPC Study on Electricity Generation and Distribution

On Thursday, July 28, 2011, the PSU coordinated a symposium held jointly by MSB and the Jamaica Productivity Centre (JPC) to release findings from a 2010 JPC study on electricity generation and distribution in Jamaica. This study benchmarked the performance of Jamaica relative to other countries in Latin America. MSB/JPC Symposium – was a high profile event that we partnered with the Jamaica Productivity Centre (JPC) to host on July 28. The results of a survey that was done last year on the electricity rates in other Caribbean countries and an analysis/comparison of JPS' rates, was presented at the symposium, along with 3 panel discussions: (1) Generation, (2) Distribution and (3) Policy and Governance. The JPC report argues that the JPS can save \$billions by instituting some of the recommendations. It has generated quite a lot of debate in the public fora.

Public Lecture on Organizational Renewal

MSB's Professional Services Unit hosted a public lecture on Organizational Renewal at the Faculty of Law's Lecture Room 1B on April 6, 2011, as a preview of the Annual Roundtable event scheduled for June 16. The presentations by Dr. William Lawrence (on Developing Strategies for Business Renewal) and Mr. Anura Jayatilake, Partner, Consulting and Investment Advising Services, Deloitte (on Enhancing Shareholder Value) were compelling.

Software Developers' Conference

On February 24 -25, 2011, the CoE hosted a Software Developers' conference which was planned in collaboration with **./roots** (pronounced slashroots), a newly formed organization of young software developers whose aim is to foster and support innovation within the Jamaican developer and technology communities. The conference was highlighted by a developer competition where 15 teams of local and international

developers competed in the building of a Business Intelligence application in the Agriculture domain. The conference was partly funded by the IDRC, as part of its OpenData research initiative.

Editors' Breakfast and Media Briefing

MSB held the first in the series of the Editors' Breakfast and Media Briefing on Thursday, April 15, 2011 at the Wyndham Kingston Hotel. The main objective of these events is to engage the media as partners in promoting the programmes and offerings of MSB by conveying the relevance of these to the wider society. At this inaugural briefing, the results of a study of the Caribbean's first national survey of broadband usage patterns and other ICT indicators were released. The study was carried out as a larger project funded by the International Development Research Centre (IDRC) of Canada, with the collaboration of the Caribbean Telecommunications Union (CTU), UWI St. Augustine and the ITU.

Colloquium

On March 14, 2011, the CoE and UWI's Department of Computing, jointly hosted a presentation by Dr. Vivek Mansingh, President, Voice, Video, Virtualization & Unified Communication groups, Cisco India at the new Faculty of Law Building, UWI. The presentation was titled: "Globalization: Opportunities for Emerging/Developing Countries" and addressed a range of topics related to Globalization at Cisco, India as a Case Study in The New Global R&D Model and The Role of Technology & Innovation in emerging markets.

World Bank Presentations

Dr. Auguste Kouame, the World Bank's lead economist and sector leader for Poverty Reduction and Economic Management for the Caribbean, made a presentation on "Jamaica and the World Bank's Development Policy Loans, 2009 to 2011 - Recession, Restructuring, Reform" to MSB students, faculty and members of the business community on September 22, 2010 at the MSB. Dr. Kouame and the audience then participated in an engaging question and answer session. Dr. Pamela Cox, the World Bank's

Vice President for Latin America and the Caribbean also made a presentation on “The Caribbean Region – Opportunities for All in Challenging Times” to MSB and other FSS students, faculty and members of the business community on November 17, 2010 in the University Council Room. The audience then engaged Dr. Cox in a spirited Q&A session. The lecture was hosted jointly by MSB and the Office of the Principal.

PUBLICATIONS

- * D. Chevers, **E.W. Duggan**, S. Goulbourne, and S. Moore “Key influencing factors of information systems quality and success in Jamaican organizations” (2011). *AMCIS 2011 Proceedings - All Submissions*. Paper 296.
- * **Duggan, E.W.** and **Lawrence Nicholson**. (2010). (Guest Eds) Special Issue of *Social and Economic Studies* (SES) on Family- and Women-owned Businesses in the Caribbean, 59(3), September.
- * Donaldson, O., & **E.W. Duggan**, (2011). Examining Social Networking Systems Adoption through the Lenses of Motivational Theory. *Proceedings of the 17th Americas Conference on Information Systems*, Detroit, MI, August 4-8.
- * Dunn, Hopeton, (2011). Maximizing the Potential of ICTs and New Media in Islands as Crossroads: Sustaining Cultural Diversity in Small Island Developing States, Tim Curtis Ed. UNESCO: pp 191-208.
- * **Dunn, Hopeton**, and Kwame Boafo (2011). Digital Domains and the New Development Strategies: Revisiting ICT Policy Making in the Global South. *Journal of African Communication Research*, 3,1. pp 37-60.
- * Dunn, Hopeton (2010). Communication and Citizenship: Rethinking Crisis and Change – Reflections on the Theme of IAMCR’s 2010 Conference, In Communication and Citizenship: Rethinking Crisis and Chang, Manuel Pinto and Helena Sousa (Eds).

- * Dunn, Hopeton (2011). ICT Policy-Making and International Trade Agreements in the Caribbean in Handbook of Global Media and Communication Policy, Robin Mansell and Marc Raboy (Eds), Wiley Publications.
- * Mansingh G., **L. Rao**, K.M. Osei-Bryson and A.Mills (2010) Application of a Data Mining Process Model: A Case Study-Profiling Internet Banking Users in Jamaica. The 16th Americas Conference on Information Systems (AMCIS), Lima, Peru, August 12 - 15.
- * Rai. A., I. Arikian, **M. McNaughton** and J. Wareham, 2010. Explaining Efficient Boundary Shifts: Integration of Organizational Economics and Capabilities. *Proceedings of the 30th SMS Annual Conference* (Strategic Management Society), Rome, Italy, September 12-15.
- * **Rao L.**, Mansingh G., Osei-Bryson K.M. (2011) A MCDM-based Decision Support System for Business Process Re-engineering Project Selection. The 21st International Conference on Multiple Criteria Decision Making, Finland, June 13-17.
- * Nicholson, Lawrence, (2010). Jamaican Family-Owned Businesses: Homogeneous or Non-Homogeneous? *Social and Economic Studies*, 59(3), 7-29.
- * Lawrence, William W. (2011, May). Correcting for the Future. *Industrial Engineer*, 43(5), 26-31.

PUBLIC SERVICE

Mr. Harry Abrikian

- Member, CVSS/United Way Projects and Programmes Committee.

Mr. Maheshwar Boodraj

- President, Ardenne Alumni Association.

- Member, Board of Management, Ardenne High School.
- Chair, ICT Committee, Ardenne High School.

Dr. Olivene Burke

- Member, Grace Missionary Church Council
- Director, Grace Missionary Church Youth Department
- Member, Jamaica National, Papine branch Advisory Council
- Board Member, Hope Valley Experimental Infant and Primary School
- Board Secretary, Hope Valley Experimental Infant and Primary School
- Board Member, Hermitage Basic School
- President, Hope Valley Infant and Primary School Parent Teachers' Association

Mrs. Marvalyn Campbell

- Member, Board of Directors, Mico University College
- Vice Chair, Procurement Committee, Mico University College
- Member, Board of Directors, Vauxhall High School
- Member, Human Resources Committee, ODPEM
- Technical Director, Jamaica Amateur Softball Association (JASA)
- Volunteer, Peace Management Initiative (PMI)
- Member, Jamaica National Building Society Advisory Committee, Papine Branch

Mr. Kamau Chionesu

- Contributor, Caribbean Dialogues Forum
- Advisor/Social & Economic Analyst, Jamaicans for Justice, Social & Economic Justice Project.

Professor Evan Duggan

- Associate Editor, *Communications of the Association of information systems* (CAIS) and *Journal of Organizational and End-User Computing*.
- Global Editorial Advisory Review Board Member, Idea Group Inc. Publishing Company
- Chairman, Board of Directors for SynCon Technologies Ltd.
- Member, PSOJ Steering Committee for the Commercial Alternative Dispute Resolution Centre (CADRC).
- Member, National Commercial Bank's Corporate Learning Campus Governing Council
- Member, a 3-member Advisory and Executive Project Committee for Mobile Financial Services
- Member, Board of Directors of the Jamaica Diaspora Foundation

Professor Hopeton Dunn:

- Secretary General, International Association for Media and Communication Research (IAMCR).
- Chairman, Broadcasting Commission of Jamaica.
- Member, Jamaica National Commission for UNESCO.
- Steering Committee of the Jamaica Press Institute (JPI) which falls under the Press Association of Jamaica (PAJ).
- Associate Editor, *Critical Arts – Journal of South-North*
- Member, ICT Task Force, Planning Institute of Jamaica
- President, Jamaica-South African Friendship Association (JASFA)

Dr. William Lawrence:

- Member, Board of Trustees, Small Business Association of Jamaica.
- Member, Board of Directors of the McIntosh Bedding Company Limited.

- Member, Turnaround Management Association (TMA).

Dr. Maurice McNaughton

- Member, Committee responsible for implementing the vision and concept of GovNet

Dr. Lawrence Nicholson

- Chair, Steering Committee, second iteration of Poverty Reduction Programme (PRP II)
- Deputy Chair, Board of Governors, Mona High School.
- Member, Steering Committee of PSOJ's Family Business Project.
- Director, Television Jamaica (TVJ).

Mrs. Patricia Lothian

- Member, Jamaica South African Association
- Board Member, FISH Medical, Dental and Eye Clinic
- Member, Fund Raising Committee, Special Olympics of Jamaica.
- Member, Human Resource Management Association of Jamaica (HRMAJ)
- Fellow, Jim Moran Institute for Global Entrepreneurship
- Member, National Business Incubation Association, USA
- Member, WIGUT Membership Committee

Dr. Lila Rao-Graham

- Reviewer, Americas Conference on Information Systems (AMCIS)
- Reviewer, European Conference on Information Systems (ECIS)
- Reviewer, Communications of the Association for Information Systems

- Local Organizing Co-Chair, The International Conference on Information Resources Management (Conf-IRM 2010)
- Professional Member, Association for Computing Machinery (ACM).
- Member, Association of Information Systems (AIS).

MSB's Jamaica National Children's Home (JNCH) Outreach Programme

MSB's Outreach Programme continued during the period, with the award of the first MSB Outreach award for "Outstanding Personal Achievement and Community Service to a Former Resident of Jamaica National Children's Home". The award, which was presented at the MSB Awards Ceremony on November 26, 2010, highlighted the achievements of recipient Tashauna Taylor, a former resident of the JNCH who has made several academic and personal achievements.

A very successful MSB/JNCH Sports Day and Christmas Treat was also held on December 17, 2010 on the JNCH Grounds. There was a large turnout of MSB staff members and residents of the Home. About 30 races were held and special guest Olympians Grace Jackson and Vilma Charlton were present and were involved in the medal presentation awards ceremony. The day closed with a Christmas treat of ice-cream, cake sharing and gift-giving to the children from voluntary contributions. Almost the entire cost of the event was off-set by donations and contributions by partners, corporate donors and MSB staff.

SIR ARTHUR LEWIS INSTITUTE OF SOCIAL AND ECONOMIC STUDIES (SALISES, Mona)

Professor Brian Meeks, BSc, MSc, PhD – Director

Overview

This was a year of consolidation for SALISES as we sought to implement the proposals advanced in the 2010 SALISES Quality Assurance report. The main conclusion coming out of that study was that the Institute should move away from a model which attempted to replicate the balance between teaching and research as typically found in departments in the Faculty of Social Sciences and play to our strengths in research and specialist graduate teaching. To this end, we identified three main thrusts: the first, was the elaboration of a central SALISES research project; the second was the implementation of a curriculum reform exercise for advanced degrees; and the third was the restructuring of administration to enhance the research and teaching agendas.



Fifty-Fifty

The main activity of the year was the formulation and implementation of the SALISES research project entitled: **Fifty-Fifty: Critical Reflections in a Time of Uncertainty**. August 2012 will mark the fiftieth anniversary of independence of both Jamaica (Aug. 6th) and Trinidad and Tobago (Aug. 31st) and is therefore, at the same time, the beginning of the independence era in the entire Commonwealth Caribbean. We have decided to use this propitious moment to initiate a series of scholarly conversations and research projects around the meaning of independence

in the widest interpretation as well as initiatives targeted at specific sectors to ascertain how they have performed in the past half century. The second dimension of the project seeks to explore the potential future directions for Jamaica and the region in the coming fifty years. A number of clusters were established to allow for collaboration with other faculty at the UWI and with interested scholars locally, regionally and internationally. Among them, are clusters focused on Politics and Governance, the Economy, Integration, Sustainable Agriculture, Social Policy, Education, Labour and Employment, a small states case study of Grenada, Public Administration, Housing, Health, Law and Justice, Climate Change, Demography, Popular Culture, the Visual Arts and others. The premier activity in the first phase of Fifty-Fifty was the February, 2011 SALISES 12th annual conference which was held in Kingston and entitled “Challenges of the Independence Experience in Small Developing countries.” More than 100 papers were presented by scholars coming from the Caribbean, Europe, North America and Latin America, with plenary presentations from Johns Hopkins Professor of History Franklin Knight and Governor of the Bank of Jamaica Brian Wynter. Other activities carried out under Fifty-Fifty included:

- October 2010, a closed door, Chatham House Rules seminar entitled “Transforming Governance in Jamaica: Identifying and Surmounting Challenges”, with Prime Minister Bruce Golding and Opposition Spokesman on security Peter Phillips, among others.
- February 2011, with the Jamaica Employer’s Federation, a seminar entitled “Mistrust – Confronting the Issue – Key to Success”, examining the questions of trust and mistrust in the workplace.
- May, 2011, with The Hugh Lawson Shearer Trade Union Education Institute and Friedrich Ebert Stiftung, a seminar with trade union leaders entitled “A Road Map for Trade Unions: Relevance and Sustainability”.
- May, June and July, 2011, the “Prime Ministerial Reflections 50/50” three separate presentations by former Prime Ministers of Jamaica Edward Seaga, P.J. Patterson and Portia Simpson

Miller, to discuss their experiences in office and their perspectives on the future social, economic and political possibilities for Jamaica.

The plans for 2011-12 continue with among others scheduled, a seminar on the PIOJ's growth inducement strategy, a conference on Law and Justice in the Post Independence Era, a conference in the Cayman Islands on the non-independent Caribbean and a conference on sustainable agriculture, all leading into the major Fifty-Fifty conference in August 2012.

Other major conference activities undertaken by staff members included the fifth annual Caribbean Child Research Conference in October 2010, led by Aldrie Henry-Lee and The 7th Caribbean Reasonings Conference "Freedom and Power in the Caribbean: the Work of Gordon K. Lewis" in September 2010 and led by Brian Meeks.

Curriculum Reform

A curriculum reform exercise has been initiated to redesign the master's degree offered by the Institute so as to provide a unique and attractive interdisciplinary, leadership-oriented course not offered elsewhere in the Faculty. Efforts are also being made to improve the efficiency of delivery and the length of time spent studying in order to address both the requirements of potential students for more rapid turnover and the need for faculty to spend a greater proportion of their time on research endeavours. The expectation is that graduate students will begin reading for the new degree in 2013-2014.

Administrative Restructuring

We are in the process of rethinking the old administrative model based on clerical and secretarial assistance to one more closely aligned to research and teaching. With the assistance of the Office of Finance, a number of vacant administrative posts have been frozen and the funds made available as five scholarships for graduate research assistants at the MPhil/PhD level. In addition a SALISES Research Fellowship has been created in order to allow a member of the Faculty of Social Science to spend a semester at SALISES in order to complete on-going research. In addition

a process of reallocation and training has begun to shift the responsibilities of existing clerical and secretarial staff towards greater involvement in the research clusters and generally in the research/conference/publication activities of the Institute.

Staff Movements

We bid farewell to two retired staff, **Ms Norma Davis**, and **Mrs Beverley Ricketts-Lothian** from the Documentation Centre and welcomed **Mrs Thelma White**, Librarian and **Ms Monique Little**, Library Assistant. We also welcomed **Mrs Marsha Grey-Lewis**, Administrative Secretary and late in the year, **Dr. Terri-Ann Gilbert-Roberts** joined as our latest Research Fellow. **Drs. Patsy Lewis** and **Philip Osei** both crossed the merit bar in the senior lecturer's scale. **Professor Trevor Munroe** continued in the capacity of Visiting Research Fellow during the year in review. Professor Munroe chaired the Politics and Governance Fifty-Fifty cluster and assisted with the teaching of the core course Contemporary Governance Issues. **Mr. Richard Leach**, assigned to the Derek Gordon Data Bank as a Computer Technician was promoted to Information Technologist II.

ADMINISTRATION

Arlene Supersad, Administrative Officer

STUDENT MATTERS

Graduating Class of 2009-2010

The academic year 2009-2010 ended with twenty (20) students being awarded the MSc degree. The breakdown was as follows:

Table 1. MSc Graduating Class 2009/2010 by programme and gender

	Governance and Public Policy	Economic Development Policy	Social Policy	Total
No. of Student by programme	10 (M=2; F=8)	7 (M=3; F=4)	3 (M=0; F=3)	20 M=5; F=15)
Full-Time	5 (M=1; F=4)	2 (M=1; F=1)	0 (M=0; F=0)	7 (M=2; F=5)
Part-Time	5 M=1; F=4)	5 M=2; F=3)	3 (M=0; F=3)	13 (M=3; F=10)

In summary: MSc Governance and Public Policy: 10 students; MSc Economic Development Policy: 7 students and MSc Social Policy: 3 students.

PhD Graduates for 2009-2010

Two (2) students were awarded the PhD degree, Social Policy – **Ms. Jennifer Henry** and in Economic Development Policy, **Mrs Sandria Smith-Tennant**.

MSc Students (2010/2011)

Twenty-one (21) students accepted the offer and registered for the 2010/2011 academic year, with fourteen (14) part-time students and seven (7) full-time students. The breakdown was as follows:

Table 2. Registration for New MSc Students (August-September): 2010/2011

	Governance and Public Policy	Economic Development Policy	Social Policy Development	Total
No. of Student by programme	8 (M=2; F=6)	6 (M=2; F=4)	7 (M=2; F=5)	21
Full/Time	5 (M=0; F=1)	2 (M=1; F=3)	0 (M=0; F=2)	7
Part/Time	5 M=1; F=6)	5 M=1; F=1)	3 (M=2; F=3)	14

Returning MSc Cohort 2010/2011

Table 3. Registration for returning MSc Students 2010/2011

	Governance and Public Policy	Economic Development Policy	Social Policy Development	Total
No. of Student by programme	19 (M=8; F=11)	7 (M=3; F=4)	10 (M=0; F=10)	36
Full/Time	2 (M=2; F=0)	0 (M=0; F=0)	2 (M=0; F=2)	4
Part/Time	17 M=6; F=11)	5 M=3; F=4)	8 (M=0; F=8)	32

A total of forty-eight (48) returning MPhil/PhD students were registered for the academic year 2010/2011. The breakdown was as follows:

Table 4. Returning Cohorts – MPhil/PhD Registrations, 2010/2011 (and gender)

	Governance and Public Policy	Economic Development Policy	Social Policy Development	Total
No. of Student by programme	15 (M=5; F=10)	11 (M=5; F=6)	22 (M=5; F=17)	48
Full/Time	4 (M=1; F=3)	7 (M=3; F=4)	8 (M=1; F=7)	19
Part/Time	11 M=4; F=7)	4 M=2; F=2)	14 (M=4; F=10)	29

In summary: Fifty-seven (57) New and Returning MSc students and forty-eight (48) Returning MPhil/PhD students registered for the 2010/2011 academic year.

Table 5. Net Income from MSc, MPhil and PhD programmes, 2010/2011

Net Income	J\$
MSc, MPhil, PhD	\$8,213,414.87 (July, 2011)

Data and Documentation Centre

Nadine Newman, Librarian

The SALISES Documentation Centre (DC) continued to deliver invaluable information and library service to graduate students at the University and more specifically to those in the Social Sciences. Other local and overseas researchers also utilised the facilities, especially visiting lecturers, research fellows and graduate school students from the United States and United Kingdom.

The DC continued to work with the Main Library to increase access to online databases while at the same time acquiring relevant print documents including government documents, both local and overseas, UN reports and those of international agencies, work produced by SALISES fellows and other staff members of the Faculty including conference papers.

Readings for the SALISES Graduate Programme, the Human Resource Development Programme (HRD), and the departments within the Faculty were processed and made available for both semesters.

Some of the key activities during the period were:

- A reorganisation of the collections to allow more accessibility. Some sections of the collections were weeded and shifted to create space and made more visible and accessible. The main collection that was shifted from the stacks was from the statistics section including the Planning Institute of Jamaica and Statistical Institute of Jamaica publications. Files from the Consortium Graduate School collection were weeded, sorted and filed into pamphlet boxes
- Furniture was shifted and filing cabinets sprayed to improve the aesthetics of the library. The Issue Desk was repositioned to make staff more visible and enable them to see persons entering the DC.
- Four displays were mounted at the DC by staff during the period.

Depicting the life of Professor Barry Chevannes,
November 2010.

Prime Ministerial Reflections held on:

April 14, 2011 – reflections by Most. Hon. Edward Seaga

May 12, 2011 – reflections by Most. Hon. P. J. Patterson

June 15, 2011 – reflections by Most Hon. P. Simpson-
Miller

- SALISES participated in Mona Research Days which were held from January 27-28, 2011. Mrs. Thelma White and Mrs. Nadine Newman coordinated this activity and members of the academic and other SALISES staff helped with the manning of the booth. Posters were also produced regarding the Child's Research Conference co-chaired by Dr. Aldrie Henry-Lee, for display on Research Days.
- Mrs. Nadine Newman and Mrs. Thelma White continued to play an active role in the Library Association of Jamaica (LIAJA). Mrs. White was selected as the Chair of the Advocacy Committee and Mrs. Newman selected as the Chair of the Research and Publications Committee and the Commonwealth Library Association (COMLA) Representative for LIAJA. Mrs. Newman also sits on the Administrative Reform Committee and the Client Care Committee of the Faculty of Social Sciences re the Strategic Plan, 2007-12.
- Ms. Janet Grant, a student, from the Department of Library and Information Studies completed her six weeks field work at the DC, July 4 to August 12, 2011.

DEREK GORDON DATA BANK

Helen Kristin Fox, Data Bank Manager

A. Data acquisition and documentation

We have acquired (a) JSLC 2008 and 9 datasets (b) LAPOP survey (c) JTI entrepreneur survey (d) CPA for several territories.

B. Software

Web page maintenance

C. Technical Support to Researchers and Students regarding datasets

- Provide technical advice to postgraduate students
- Prepare tabulations, charts, etc. for teaching and research purposes
- Preparation of datasets for student and other researchers. In the year under review, the Databank satisfied 113 requests for datasets. **Tables 6-8** show the datasets requested, the types of users and the location of the users. While the majority are students from Jamaica, there is increased usage by overseas researchers including large institutions.

Activities of Kristin Fox

A. Graduate teaching and supervision

Semester II: Taught course Specialized Research in SPSS to MPhil/PhD students. Although I did not directly supervise any student during the academic year under review, a number of students both from within SALISES, the wider university and UTECH consulted with me regarding their theses, especially on methodological issues and data analysis.

Table 6. Number of Datasets Requested during the period August 2010 – July 2011

Datasets	Number Requested
Adolescent Students' Drug Use	6
Antigua and Barbuda Poverty Assessment Study	1
Barbados Labour Force Survey and Poverty & Living Conditions	1
Belize Poverty Assessment Study	1
Caribbean Adolescent Health Survey (Jamaica Data)	3
Contraceptive Prevalence Surveys or RHS	11

Grenada Poverty Assessment Study	4
Household Expenditure Survey 2004-2005	2
Jamaica Adult Literacy Survey	5
Jamaica Labour Force Survey (FULL)	30
Jamaica PATH Survey	3
Jamaica Survey of Living Conditions	55
Knowledge, Attitude, Behaviour & Practices Study (Adult Population 15-49 years)	1
Male attitudes to relationships and Fatherhood	2
Population Census of Jamaica	11
Sexual Decision Making Among Jamaicans	1
St. Vincent & the Grenadines Poverty Assessment Study	1
Trinidad & Tobago Health Survey (Adolescent)	3
Youth Activity Survey 2002	2
Youth Risks & Resilience	7
TOTAL	150

Table 7: Category of persons requesting datasets

Category	Nos.	%
Postgraduate	79	69.9
Lecturer	7	6.2
Researcher - government	6	5.3
Researcher - international	18	15.9
Not stated	3	2.7
Total	113	100.0

Table 8: Location of persons requesting datasets

Country	Nos.	%
Jamaica	88	77.9
Other Caribbean territory	5	4.4
USA	20	17.7
Total	113	100.0

PUBLICATIONS SECTION

Annie Paul, Senior Publications Officer

SOCIAL AND ECONOMIC STUDIES (SES)

Social and Economic Studies has maintained its best practices as an on-time journal that publishes the latest research in the social sciences on the Caribbean region and beyond.

Off Press

- Vol. 59: 3, September 2010, Special issue on family firms, guest edited by Lawrence Nicholson
- Vol. 59: 4, December 2010, Special issue on local governance guest edited by Philip Osei and Eris Schoburg
- Vol. 60: 1, March 2011 Special Issue on Sexuality, guest edited by Karen Carpenter and Annecka Marshall
- Volume 60: 2, June 2011 General issue

In production

Volume 60: 3&4, Sept/Dec 2011 Special Issue coming out of March 2011 SALISES conference “Challenges of the Independence Experience in Small Developing Countries.”

The editorial committee of *Social and Economic Studies* held a meeting at the 30th CSA conference in Curacao on June 1 with six of its members who were present at the conference.

SES regained a former committee member, Professor Verene Shepherd, who expressed an interest in continuing to serve on the editorial committee.

Other developments

SALISES Working Paper Series

During the course of the year the first of the electronic **SALISES Working Paper Series** was published and is available online:

Jamaica's Debt-Propelled Economy: A Failed Economic Strategy and Its Aftermath
by Donald J. Harris.

JSTOR

Almost the entire back run of *Social and Economic Studies*, from 1953 to 2007, is now accessible online through **JSTOR** (www.jstor.org), the not-for-profit digital archive. This will continue to be updated with a moving wall of three years and means that users at institutions that participate in JSTOR's Arts & Sciences VI Collection are able to browse, search, download, and print the full-text PDF versions of all past articles from the first issue in 1953 up until the most recent three years of publication. We are also considering providing single article delivery, at a cost, through JSTOR.

Talking History

A number of books from our backlist were donated to Verene Shepherd to use as contest prizes for her radio programme Talking History on Nationwide 90.7 FM. This has given some publicity to SALISES and its publishing programme.

PAPERS PRESENTED

Henry-Lee, Aldrie

- Child Rights in Jamaica since Independence, Caribbean Child Research Conference, Jamaica Conference Centre, Kingston, Jamaica, October 20-21, 2010.

Lewis, Patsy

- ‘Small States Theorising and Post-Independence Grenada’, 36th Annual conference of the Caribbean Studies Association (CSA), World Trade Centre, Curacao, May 30-June 3, 2011.

Meeks, Brian

- “Fifty-Fifty as Critical Intervention in Caribbean Scholarship and Research”, Presidential Plenary, “Caribbean Futures: Looking Back to Look forward”, 36th Caribbean Studies Association Conference, Curacao, May 30 – June 3.
- “The Twentieth Century: Revolution and Nationalism Revisited”, SEPHIS (South Exchange Programme on the History of Development) and IEC (Institute of Peruvian Studies), series of lectures, Lima Peru, April 17-24.
- “Beyond Constitutional Reform and Social Partnership: Rethinking the Concept of Social Contract”. The Caribbean Community and the Commonwealth: Collective Responsibility for the Twenty First Century, UWI and The Commonwealth Secretariat, Kingston, February 16-18, 2011, 2010.
- “The Dudas Events in Jamaica and the Future of Caribbean Politics”, The Fifth Patrick A.M. Emmanuel Memorial Lecture, the University of the West Indies, Cave Hill, November 25, 2010.
- “Grenada Once Again: Re-visiting the 1983 Crisis and Collapse of the Grenada Revolution”. Seventh Caribbean Reasonings Conference, “Freedom and Power in the Caribbean: the Work of Gordon K. Lewis”, UWI Mona, Sept. 30 – Oct. 2, 2010.

Northover, Patricia

- “Abject Blackness, Hauntologies of Development and the Demand for Authenticity- A Critique of Sen’s “Development as Freedom, sponsored by the Duke-UNC Working Group on Caribbean Studies in a Globalized Era, with co-sponsorship from Duke’s African & African-American Studies Program and the

Islands, Images, Imaginaries Project, Duke University, April 14, 2011

Paul, Annie

- “Sustaining Caribbean Journals and Scholarship: Some Pressing Concerns for Editors and Contributors” the 30th Annual Conference of the Caribbean Studies Association in Willemstaad, Curacao, May 30 – June 3, 2011.
- “Publishing in Caribbean Studies Journals II”, the 30th Annual Conference of the Caribbean Studies Association in Willemstaad, Curacao, May 30 – June 3, 2011.
- “Notions of Contemporary Art: Locating Jamaica,” Contemporary Art Forum 2011, The School of Visual Arts, Edna Manley College of the Visual and Performing Arts, March 10th, 2010.
- “From Lye to Cake Soap: Addressing Skin Bleaching in the Dancehall Community and Beyond”, Black History Month meets Reggae Month Event Series, Forum, Faculty of Humanities and Education, UWI, Mona, February 25, 2011.

Supersad, Arlene

- (with Jennifer Wynter Palmer and Shakira Maxwell) “United We Stand - Divided We Fall: An Exploratory Study of the Nature of the Relationship between Academics and Administrators in a Higher Education Institution”. Association of Higher Education Administrators (ACHEA), Roy Marshall Complex, UWI Barbados, July 7-9, 2011.

Tindigarukayo, Jimmy

- “Evaluation of Health and Family Life Education (HFLE) in Jamaica”, Caribbean Child Research Conference at Jamaica Conference Centre, October 20-21, 2010.

White, Thelma

- (with Pauline Nicholas) “E-Learning, E-books and Virtual Reference Service: the Nexus between the Library and Education”, School of Education Biannual Conference, Sunset Jamaica Grande, Jamaica, June 15-17, 2011.

Witter, Michael

- “Estimating the Poverty Line”, Planning Institute of Jamaica’s Conference, Kingston, Jamaica, July 13, 2011.
- “The Health Sector as Contributor to the Recovery and Development of the Jamaican Economy”, Medical Association of Jamaica, June 4, 2011.
- “The Political Economy of Jamaica”, presentation to graduate and professional students from Temple University, June 8, 2011.

Papers presented at SALISES 12th Annual Conference, the Jamaica Pegasus Hotel, Kingston, Jamaica, March 23-15, 2011.

Henry-Lee, Aldrie

- “A Sociology of Child Poverty in Jamaica”

Lewis, Patsy

- “Engineering Intervention and Resisting Invasion: Competing Perspectives on Small States Security”
- ‘CARICOM and the OECS: Reflections on the future of the regional integration project’,

Northover, Patricia

- “Negotiating Caribbean Freedom: Situating ‘Development’s Agrarian Culture’ in the ‘will to improve’ and the demand for authenticity”.

Osei, Philip

- “Public Service Decentralisation in Jamaica: A Review of Current Models, Practices and Institutional Gaps”.
- “Governance in the Context of Building Local Governance and Local Government Organisations”. Training Workshop for Parish Development Committees. Altamont Court Hotels, Kingston. June 27-28, 2011.
- “Management Analysis for the Jamaican Public Sector: Contextual Issues”. Presented to Middle Managers of the Public Service. Management Institute for National Development. Kingston, Jamaica. February 11, 2011.

Tindigarukayo, Jimmy

- “Challenges of Political Independence Experience in Uganda”
- “The State of Housing in Jamaica”

Witter, Michael

- “Post-Independence Economic Development”

PUBLICATIONS

Books and Monographs

Meeks, Brian

- * M.G. Smith: Social Theory and Anthropology in the Caribbean and Beyond (ed.) Caribbean Reasonings Series, Ian Randle Publishers, Kingston and Miami, 2011 (341 pages).

Osei, Philip

- * (with Nwasike Joan N.) 2010. The Contract System of Employment for Senior Government Officials: Experiences from Africa. Managing the Public Service: Strategies for Improvement Series No 16. 68pp.

Refereed Book Chapters

Meeks, Brian

- * “Introduction: The Audacious M.G. Smith” in Brian Meeks (ed.) M.G. Smith: Social Theory and Social Anthropology in the Caribbean and Beyond, Ian Randle Publishers, Kingston and Miami, 2011, pp. ix-xiii.

Osei, Philip

- * ‘Network Governance in Emergency Management in the Caribbean’. In Comparative Emergency Management: Examining Global and Regional Responses to Disasters. Edited by DeMond Shondell Miller, Jason David Rivera. June. USA: CRC Press, Taylor & Francis. Chapter 2: 19-38. 2011.
- * (with Montgomery, Allison and Williams, Richardo) “Managing the Growth and Development Process: Issues of Planning and Regulation. In Growth and Development Strategies in the Caribbean”, Barbados: Caribbean Development Bank. 261-281. 2010.

Paul, Annie

- * “Log on: Toward Social and Digital Islands”, The Routledge Companion to Anglophone Caribbean Literature, 2011, edited by Michael A. Bucknor and Alison Donnell, London: Routledge, pp. 626-635.

Witter, Michael

- * “Financing Sustainable Development in Small Island Developing States”, in Constance Vigilance and John Roberts (eds), Tools for Mainstreaming Sustainable Development in Small States, Commonwealth Secretariat, April 2011, pp. 107-129.
- * M Witter, “Kingston Harbour in Jamaican Economic Space”, in Michael Conard and Vanessa Keith (eds) Kingston Harbour: Development Transects, Columbia University Press, 2011, pp. 58-62.

Refereed Journal Articles

Fox, Kristin

- * Dubois L, Francis D., Burnier D., Tatone-Tokuda F., Manon G., Gordon-Strachan G., **Fox K.**, and Wilks R. Household food insecurity and childhood overweight in Jamaica and Quebec: a gender-based analysis. *BMC Public Health* 2011, 11:199.

Lewis, Patsy

- * ‘Training Jamaicans for Export: A Viable Development Strategy?’ *Social and Economic Studies*, volume 60 (2), June, 2011, pp. 67-104.
- * ‘Implications of the Global Economic Crisis For Caribbean Regional Integration’, *Global Development Studies*, Winter/Spring 2010, pp.1-28.

Meeks, Brian

- * “Response to “The New Argonauts and Brian Meeks’s *Envisioning Caribbean Futures*” Debate of Brian Meeks, *Envisioning Caribbean Futures: Jamaican Perspectives*, with Jay Mandle and Rivke Jaffe, *New West Indian Guide*, Vol. 85, no. 1-2, 2011, pp.65-68.

Osei, Philip

- * (with Schobourgh, Eris) (Guest Editors) ‘Local Governance and Intergovernmental Relations’. Special Issue, *Social and Economics Studies*, Vol. 59, No.4 December 2010, pp. 1-26.
- * The Community Leadership Model and Country Ownership of Local Development in Jamaica. *Social & Economic Studies*, Vol. 59: No. 4, December 2011, pp. 97-126. 2010.

Tindigarukayo, Jimmy

- * (with Mugisa, Ezra) “Utilization of Information and Communication Technology at the University of the West Indies (UWI)”, *Caribbean Journal of Education*, Vol. 31, No. 2, September 2010, pp. 340-357.

Non-Refereed Articles/Book Chapters

Lewis, Patsy

- * ‘Remembering October 19: Reconstructing a conversation with a young female NJM candidate member about her recollections of October 19, 1983’. *Journal of Eastern Caribbean Studies*, vol. 35, nos. 3&4 September/December 2010, pp. 140-144.

Osei, Philip

- * (with Tennant, David F.) Decentralisation Policy for Regional Service Delivery. For the Cabinet Office, Office of the Prime Minister, Kingston, Jamaica. 148pp. 2011.
- * Review of the Portmore Municipal Council and the Municipality Experience, 2003-2010. 102pp.

Non- Refereed

Paul, Annie

- * “Not Slavish Reproductions” (An essay on artist Andrea Chung’s work), in Art. Recognition. Culture (*ARC*) magazine Number 02, April 2011, pp. 6-13.
- * (with Colin Blair) “Comedy is serious business: Why the recession can’t hold Stages Productions back.” *MSB Business Review*. Vol. 1, No. 2, Feb/Mar 2011, pp. 42-46.

Book Reviews/Guest Editor

Northover, Patricia

- * The Companion to Development Studies, 2nd Edition, for Hodder Education.

Osei, Philip

- * ‘Performance management: From mere Appraisals to Learning Maps’. *International Review of Administrative Sciences*. Manuscript ID IRAS-2011-077.

- * 'Using Urban Regeneration Planning in Dolatkah, Tehran'. Cities. Manuscript Draft. Manuscript Number: JCIT-D-10-00225.
- * Guest Editor. 'Local Governance and Intergovernmental Relations'. Special Issue, *Social & Economic Studies*, Vol. 59, No. 4. December 2010.

Witter, Michael

- * Some Reflections on, "Essays on The Theory of Plantation Economy: A historical and Institutional Approach to Caribbean Economic Development", by Lloyd Best and Kari Polanyi Levitt, *Journal of Peasant Studies*, Volume 38 Issue 1, January 2011, pp. 202-205.

Technical Reports

Meeks, Brian

- * Task Force on Achieving a More Regional University of the West Indies, Executive Summary and compilation of Campus Reports and documents.

Tindigarukayo, Jimmy

- * Evaluation of the Health and Family Life (HFLE) Skill Based Curriculum in Jamaica, conducted for UNICEF, in partnership with Ministry of Education and Ministry of Health, Jamaica, November 2010, pp. 167.
- * Evaluation of the CARICOM Training Workshops in Demographic Analysis, conducted for the Caribbean Community (CARICOM) Secretariat, 2007-2010, October 2010, pp. 201.

Witter, Michael

- * "UNDP-ADR: Assessment of Poverty Projects", prepared for UNDP, December 2010

- * “Electronic Social Welfare Payments: the Modality of the Mobile Phone”, prepared for the IDB and the PIOJ, December 2010
- * “Managing Copyright in Jamaica: Building the relationship between JACAP and CCL”, report prepared for the World Intellectual Property Organization, February 2011
- * (with Frederick Gordon, and Hugh Morris) “The Poverty Line for Jamaica: An Update”, prepared for the PIOJ, June 2011
- * “The Impact of Climate Change on the Agricultural Sector in Jamaica”, prepared for ECLAC, July 2011

AWARDS

Henry-Lee, Aldrie,

- The UWI/Guardian Life Premium Teaching Award winner for 2010 (Mona Campus)

Lewis, Patsy

- Baroness Amos Fellow, Yesu Persaud Centre, University of Warwick, November 2010

PUBLIC SERVICE

Fox, Helen Kristin

- Member, Steering Committee, Jamaica Survey of Living Conditions
- Member, PATH Steering Committee
- Member, Early Childhood Commission – Research Committee
- Member, Committee (STATIN) – Census 2011 Preparation

Henry-Lee, Aldrie

- Chair, Caribbean Child Research Committee

- Member, American Sociological Association
- Member, UNICEF/PIOJ Social Investment in Children Initiative

Lewis, Patsy

- Member, UWHI Board of Management
- Member, UWHI Audit Sub-Committee
- Member, Nursing Advisory Committee
- Member, Board of Trustees, UHWI Superannuation Schem

Meeks, Brian

- Adjudicator, ‘Best Academic Book’, Eleventh Biennial Book Industry Association of Jamaica Publishing and Writing Awards, 2011.
- Member, Caribbean Studies Association (CSA) and former Council member
- Member, Editorial Board, The University of the West Indies Press
- Member, Editorial Advisory Board, *Souls: A Critical Journal of Black Politics, Culture and Society*, (Columbia University)
- Member, Editorial Board of Lexington Books, Caribbean Series.
- Contributing Editor, *WADABAGEI Journal*, Caribbean Research Center, Medgar Evers College, City University of New York
- Member, Editorial Board of the Journal of the University College of the Cayman Islands

Newman, Nadine

- Executive Member, St. Peter and Paul Preparatory School, Home School Association
- Assistant Secretary, Chancery Hall Citizen Association

- Member, Library and Information Association of Jamaica (LIAJA)
- Member, American Library Association (ALA)
- Member, Association of College and Research Libraries (ACRL)
- Chair, Research and Publications Committee, LIAJ
- Editor, LIAJA Bulletin, LIAJA

Northover, Patricia

- Member, Excelsior High School Student Welfare/ LHS scholarship Fund
- Collective and Working Group Member, Race, Space, Place and Freedom Project, Duke University
- Collective and Working Group Member, States of Freedom, Duke University

Osei, Philip

- Board Member, S-Corner Clinic and Community Development
- Advisor, Government of Jamaica on Writing a Decentralisation Policy for Regional Service Delivery

Paul, Annie

- Executive Councilmember, Caribbean Studies Association (CSA)
- Board member and editorial committee member, MSB Review, a Mona School of Business Publication
- Member, National Gallery of Jamaica, Education and Publication Committee
- Associate Editor, *Small Axe: A Caribbean Journal of Criticism*
- Board member and contributor, *Caribbean Review of Books*
- Board member, JAMCOPY, the Jamaican Copyright Licensing Agency
- Peer reviewer, University of the West Indies Press

Supersad, Arlene

- Chair, Administrative and Finance Committee, Portmore United Church
- Tutor, JAMAL, Portmore, St Catherine (under training)

Tindigarukayo, Jimmy,

- Member, Committee on Data Sharing and Pricing Policy, Public Sector Reform Unit, Cabinet Office, Government.

White, Thelma

- Chair, Advocacy Library and Information Association, Jamaica (LIAJA)
- Facilitator, National Library of Jamaica/COLINET Workshop, “Subject Analysis”

Witter, Michael

- Member, Oversight Committee of the Forest Conservation Fund
- Member, Advisory Group to the Caribbean Community Climate Change Centre

INCOME GENERATION/AWARDS

Derek Gordon Data Bank

- The income generated for the period under review was **\$97,760.00**

Data and Documentation Centre

- The Library generated a fair amount of income from photocopying with an approximate total of **J\$275,888.00** during the period under review.

Publications Section

- The income generated for the period under review was **J\$2,693,868.55**

Henry-Lee, Aldrie

- United Nations Child Fund (UNICEF) for Child Research Conference **J\$590,762.00**
- Environmental Foundation of Jamaica (EFJ) for Child Research Conference **J\$1,401,000.00**
- Safe School Policy Project is value at **J\$1,598,629.71**

Witter, Michael

- Social Indices **J\$2.8 million**
- Poverty Line Update **J\$1.1 million**

THE BIOTECHNOLOGY CENTRE

Marcia Roye, BSc, PhD *UWI*
– Head of Centre (Actg) & Associate Dean, FPAS

WORK OF THE CENTRE

The Centre's work is concentrated on agricultural biotechnology and throughout 2010 – 2011 the staff focused on various projects involving medicinal plants, forestry preservation, molecular biological studies on geminiviruses, HIV, citrus research, glycemic indices of Jamaican foods, and studies on root and tuber crops. During the year under review, all the members of staff were involved in the training and supervision of projects being undertaken by postgraduates, as well as the teaching and supervision of undergraduate programmes and projects in the departments of Basic Medical Sciences, and Life Sciences. Annually, the Centre hosts outreach and educational workshops for various groups including teachers, sixth form science students, and farmers.



In March 2011, Dr. Marcia Roye received the prestigious 2010-2011 **L’Oreal-UNESCO Advanced Fellowship** “in the footsteps of Marie Curie” for Women in Science. Dr. Roye’s award was presented in Paris, France where she travelled to attend the ceremony. The award was the first of its kind, having recently been initiated by L’Oreal-UNESCO to mark the centennial of Marie Curie’s Nobel Prize in Chemistry. Dr. Roye was a previous recipient of the L’Oreal-UNESCO for women in Science award in 2000-2001.

Under the project “Enhancing productivity of medicinal plants during cultivation and processing using innovative machines”, three pieces of equipment (shredder, brush cutter, and chainsaw) have since been obtained to manufacture mulch, prepare field, and conduct field testing to compare tissue culture with traditional planting material of ginger and

turmeric. In addition, a Biochar machine is being manufactured by a Jamaican non-profit entity and is in the process of completion. Biochar is charcoal produced at a lower temperature, which is a more efficient process, and it is used especially for farming. It is a soil ameliorant which will lessen nutrient leaching and improve water-balance in the soil and therefore increase plant yields. Biochar produced from the machine will be used to test the technology in Jamaica by field trials and lab analysis using micropropagated plants. The Biochar machine is a first for Jamaica and will also be used to dry 400 lbs/day of farm produce (ex. ginger and turmeric). The project, whose Principal Investigator is Dr. Sylvia Mitchell, is funded by the Environmental Foundation of Jamaica.

A number of native indigenous trees, for examples Bitterwood (*Picrasma excelsa*), West Indian Mahogany (*Swietenia mahogany*), Yacca (*Podocarpus urbanii*), Juniper (*Juniperus lucayana*), Braziletto (*Peltophorum linnaei*), and many others have now been collected under “Identification, propagation and dissemination of native forest species of Jamaica”, a special project lead by Dr. Mitchell. Funded by the Forest Conservation Fund. The objective of the forestry project is to find and use macro-and micropropagation methods to conserve and multiply rare, indigenous and native trees of Jamaica.

PAPERS PRESENTED

- Perceval S. Bahado-Singh, Henry I.C. Lowe, Cliff K. Riley, Andrew O. Wheatley and Errol St. A.Y. Morrison (2011). Wound healing potential of *Tillandsia recurvata* and *Guaiaacum officinale* in Type 1 Diabetic rats. University Diabetes Outreach Programme (UDOP) Conference, Ocho Rios Jamaica. March 24-27.
- Delahaye-McKenzie C.M., Rainford L., Nicholson A., Mitchell S.A., Lindo J.F and M.H. Ahmad (2010). Bioactive analysis of crude extracts derived from *Callistemon viminalis*. International Biotechnology Symposium and Exhibition, Rimini Italy. September 14-16, 2010.
- Francis T.K., Mitchell S.A. and M.H. Ahmad (2010). Micropropagation of a Jamaican Non-Timber Forest Species -

Sarsaparilla (*Smilax regeli*). ISHS 1st International Symposium on Tropical Horticulture. November 22-26, 2010.

- Fisher L, Bennett S, Tennant P, McLaughlin W (2010). Detection of Citrus tristeza virus and Citrus viroid species in Jamaica. Acta Horticulturae. 1st International Symposium on Tropical Horticulture. International Society for Horticultural Science and the UWI Kingston, Jamaica, November 22-26.
- C. C. Hamilton, M. E. Roye, P. Figueroa, L. M. Eyzaguirre, J. K. Carr, J. Duncan. (2011). Analysis of protease and reverse transcriptase genes of HIV for antiretroviral drug resistance in Jamaican adults CHART-CCAS-CDC 3rd Joint Meeting, Montego Bay, Jamaica. August 21-26.
- C. C. Hamilton, M. E. Roye, P. Figueroa, L. M. Eyzaguirre, J. K. Carr, J. Duncan (2010). Analysis of protease and reverse transcriptase genes of HIV for antiretroviral drug resistance in Jamaican adults. 19th Annual Research Conference Faculty of Medical Sciences, University of the West Indies, Mona, Kingston, Jamaica. November 11-12.
- R. Jagnarine, S.A. Mitchell, M. Roye, M.H. Ahmad (2010). Micropropagation and genetic analysis of a Jamaican endemic medicinal plant: Piper amalago (*var. nigrinodum*). 1st International Conference on Tropical Horticulture, Kingston, Jamaica. November 26.
- Lee D. and SA Mitchell (2010). Potential for Carbon Forestry. FAO National Forest Program facility meeting, Jamaica Tree Growers Association, November 9.
- Mitchell SA and MH Ahmad (2010). Opportunities in biotechnology for the production and survival of forests. FAO National Forest Program Facility Workshop, Jamaica Tree Growers Association, November 9.
- M. E. Roye, A. Ramkissoon, I. I. Amarakoon, C.C. Hamilton, L. M. Eyzaguirre, R. B. Pierre, P. Figueroa and J. K. Carr (2010). Multiple drug resistance in Jamaican pediatric patients infected

with HIV-1. 19th Annual Research Conference Faculty of Medical Sciences, University of the West Indies, Mona, Kingston, Jamaica. November 11-12.

- S.A. Webster, S.A. Mitchell, M. Roye and M.H. Ahmad (2010). Assessment of genetic stability in repetitive somatic embryogenic cultures of cheese ackee (*Bligbia sapida*) using ISSRs and RAPDs markers. The First International Conference on Tropical Horticulture, Kingston Jamaica. November 26.

PUBLICATIONS

- * Fermin GA, Tennant PF (2011). Opportunities and constraints to biotechnological applications in the Caribbean: Transgenic papayas in Jamaica and Venezuela. *Plant Cell Reports* 30: 681-687.
- * Fermin GA, Castro LT, Tennant PF (2010) Virus resistant transgenic papaya: Current opportunities and challenge. *Transgenic Plant Journal* 4: 1-15.
- * Fisher L, Bennett S, Tennant P, McLaughlin W (2011). Detection of Citrus tristeza virus and citrus viroid species in Jamaica. *Acta Horticulturæ* 894: 117-122.
- * Green, C.O., Wheatley, A.O., McGrowder, D., Dilworth, L. and Asemota, H.N. (2011). Hypolipidemic effects of ortanique peel polymethoxylated flavones in rats with diet-induced hypercholesterolemia. *J. Food Biochem.* (35) 1555-1560.
- * Mitchell, S.A. (2011). Development of optimised microropagation protocols for turmeric (*Curcuma longa*) and ginger (*Zingiber officinale*) plantlets. SIVB *In Vitro* Biology Conference, Raleigh, North Carolina, USA, June 6-10th, Poster Abstract P-2000, *In Vitro Cellular and Development Biology*, Abstract Edition, pg 860
- * Oliver JE, Tennant PF and Fuchs M (2011). Virus-resistant transgenic horticultural crops: Safety issues and lessons from risk assessment studies. In: Transgenic horticultural crops: Challenges and opportunities- Essays by experts, Mou B and

- Scorza R (Eds). CRC Press, Taylor and Francis Group, Boca Raton, FL. pp 263-287.
- * Picking D., Younger N., Mitchell S.A. and R.Delgoda (2010). The prevalence of herbal medicine home use in rural and urban communities in Jamaica. *West Indian Medical Journal* 59 (Suppl 4): 1-53. O-22, pg 33.
 - * Roye, M.E., Amarakoon, I.I., Hamilton, C-L. Eyzaguirre, L. M Figueroa, P., Carr J.K. (2010). Genotypic characterization of HIV-1 virus in Jamaica. *AIDS Research and Human Retroviruses* 26:1-5. 2.
 - * Stewart, C.S., Kon, T, Gilbertson, R.L., Roye, M.E. (2011). First report of the complete sequence of Sida golden yellow vein virus from Jamaica. *Archives of Virology* 156:1481-1484.
 - * Tennant PF, Pinnock SE, Powell M, Wheatley AO, Minott DA (2010). An overview of the safety assessment of transgenic papaya for the management of Papaya ringspot virus in Jamaica. *Transgenic Plant Journal* 4: 29-36.
 - * Tennant P (Ed.) (2010). Transgenic Papaya. *Transgenic Plant Journal* Vol., 4 (Special Issue 1), 96 pp.

INCOME GENERATION

The annual workshop on “Concepts in Biotechnology and Genetic Engineering” lead by Dr. Marcia Roye, was held December 20-22, 2010. Over one hundred students from across the island participated this year. Methods in recombinant DNA technology, production of transgenic animals and plants, extraction of plasmid DNA, and agarose gel electrophoresis were some of the areas covered in the workshop. The programme generated approximately \$300,000.00 for the Biotechnology Centre.

PUBLIC SERVICE

Dr. Sylvia Mitchell

- Chair, Advisory Board, Centre of Excellence for Advanced Technology in Agriculture (CEATA)
- Member, Society of In Vitro Biology (SIVB), Secretary of the Plant biotechnology Section of the SIVB
- Member, Biosafety committee, National Commission on Science and Technology (NCST)
- Scientific Advisor, Ministry of Health Advisory Committee on Complementary and Alternative Medicine.
- Reviewing editor for a number of Scientific Journals (JEP, FACT, JMPR, AJPP, JPGR, IVP, PCTOC), and Scientific Research and Essays (SRE). E-newsletter editor of the Medicinal Plant Network for TWAS.

Dr. Andrew Wheatley

- Director, Jamaica Anti-Doping Commission (JADCO)
- Chair, JADCO Subcommittee on Science and Education and Chair – Education and Outreach Committee
- Director, Jamaica National Commission for UNESCO
- Chairman, St. Catherine Parish Council

STUDENTS

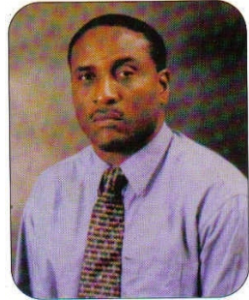
Effective July 1, 2011, Cheryl Stewart was awarded the degree of Ph D in Biotechnology. Her research, supervised by Dr. Marcia Roye, was entitled “The Molecular Characterisation of the Begomoviruses Infecting *Sida* spp. in Jamaica”.

THE HUGH WYNTER FERTILITY MANAGEMENT UNIT

**Professor Joseph Frederick, CD, MBBS, DM (O&G), FRCOG,
FACOG – Head of Department**

OVERVIEW

The Hugh Wynter Fertility Management Unit pursued the implementation of its strategic objective to expand its physical facility to increase its clinical, training, research and outreach programmes. The project received the UWI Finance and General Purpose Committee approval and thereafter mobilization commenced. The project life is 22 months and is scheduled for completion in November 2012.



The ground breaking ceremony for the renovation and expansion of the Unit and the annual Open Day was held November 22, 2010. In February 2011 the Articles of Agreement, Conditions of Contract, Specifications and Bills of Quantities for the renovation were signed. The contracting parties are Davidson and Hanna Chartered Quantity Surveyors, Architect Lloyd J. Robinson and Associates, Mike McIntyre & Associates, Electrical and Mechanical Engineers and Beckford and Dixon Ltd, Structural Engineers. Construction began on March 14, 2011.

The Unit has had to undertake major relocation to facilitate the construction. Clinical services have been relocated both internally as well as in ward spaces negotiated with the University Hospital of the West Indies. The impact on the services has been moderated by these arrangements.

The Unit continues to manage and facilitate the renovation activities to minimize the disruptions in programme implementation.

CLINICAL SERVICES

The clinic provided a wide range of surgeries and procedures totaling 3,604 during the period under review (Table 1).

<u>Procedures</u>	<u>No</u>
Oral Contraceptives	741
Depo-Provera injection	1,978
Janelle implant	52
IUCD	134
Tubal Ligation	56
Vasectomy	11
Diagnostic Laparoscopy	124
Diagnostic Hysteroscopy	266
Cyst aspiration	29
Operative laparoscopy	188
Operative hysteroscopy	26
Total	3,604

ASSISTED REPRODUCTIVE TECHNOLOGIES

Total number of couples registered	107
Total numbers of couples seen by the counsellors	26
Total number of Egg Recoveries	82
Total number of Egg Sharing cycles	8
Total number of Egg Recipients	9
Total Numbers of Frozen Embryo transfers	39
Total numbers of Intrauterine Inseminations	18
Total numbers of Semen analysis	157
Donor sperm recipients	3
Testicular Biopsy in cycle	8
Testicular Biopsy non-cycle	8

TRAINING

The section contributes to the development of the skills and competencies of a wide cross-section of professionals throughout the English-speaking Caribbean through training interventions. The present focus is the

delivery of the Masters in Counselling Programme by Distance Education. The programme had an overall enrolment of thirty-four (34) students distributed across the following countries: Antigua, Barbados, Belize, Dominica, Jamaica, St. Lucia, St. Vincent and Trinidad.

Death and Leave of Absence

One student from Trinidad died in January 2011 and another Trinidadian student requested a leave of absence for medical reasons. A Dominican student requested a leave of absence for financial reasons.

Examinations

Examinations were held in the following courses in Semester 1: COUN6110: Person-Centred Counselling, COUN6113: Professional Issues: Ethical and Legal Issues Part 1 and COUN6114: Practicum 1. Of the twenty-five students who sat the exam in COUN6110: Person-Centred Counselling, three failed and a fourth failed both the coursework and exam in this course, while three failed the coursework in Professional Issues Part 1 and one failed Practicum 1.

In semester two the following courses were examined: COUN6111: Existential Counselling, COUN 6106: Quantitative Research Methods, COUN6115: Practicum 2.

Of the 23 students sitting exams, 21 passed COUN6111: Existential Counselling, while 2 failed, one of these was from Dominica and the other was Vincentian. Quantitative Research Methods is assessed by coursework and not by a final examination. Some 22 students passed Quantitative Research Methods while 1 Trinidadian student failed. All students passed Practicum 2, except for one student from Mona.

In Semester 3, the summer school was held from July 4-29, 2011. Some 22 students attended and were taught two courses: COUN 6107: Qualitative Research Methods and COUN 6112: Personal Growth Groups. Enrichment workshops were also delivered in Human Sexuality.

Graduation

Two students are expected to graduate in October 2011.

PUBLICATIONS

Journal Articles

- * **V DaCosta, T. Lewis, S. Wynter, L. Christie, J. Harriott, J. Frederick, M. Reid.** “Experiences of Jamaican men who have undergone no-scalpel vasectomy at the University of the West Indies.” *Open Access Journal of Contraception*, Oct 2010, Vol. 2010:1: 107-111.
- * **Christie LR, Harriott JA, Dacosta VE, Wynter SH, Everett DM, Foster RA.** “Intrauterine insemination in Jamaica as a low-cost subfertility treatment in a low-resource region.” *Int J Gynaecol Obstet.* Jan 17, 2011. [Epub ahead of print]
- * **R. Foster, V. DaCosta, D. Everett, L. Christie, J. Harriott, S. Wynter, J. Frederick, Y. Walters.** “Successful Treatment of Severe Male Factor Infertility In Jamaica With Intracytoplasmic Sperm Injection (ICSI).” *West Indian Medical Journal*, Jan 2011, vol. 60, no 1: 42 - 45.
- * Fletcher, Horace, Gordon-Strachan, Georgina, McFarlane, Shelly, **Hamilton Pansy and Frederick, Joseph.** A survey of providers’ knowledge, opinions and practices regarding induced abortion in Jamaica. *International Journal of Gynecology & Obstetrics*, April 2011.
- * Fletcher H, Gordon-Strachan G, McFarlane S, Hamilton P, **Frederick J.** A Survey of Providers’ Knowledge, Opinions and Practices Regarding Induced Abortion in Jamaica. *Int J Gynecol and Obstet* 2011,doi:10.1016/j.ijgo.2010.022.
- * Roye-Green K, **Frederick J**, Wharfe G, Choo-Kang E, Dacosta V, Fletcher H, Smickle M. Antiphospholipid and other Autoantibodies in a Cohort of Habitual Aborters and Healthy Multiparous Women in Jamaica. *Human Antibodies* 20 (2011)1-5.

PUBLIC SERVICE

Frederick, Joseph, Professor

- Member, Caribbean Initiatives of Planning Committee of Planned Parenthood
- Member, Pacesetters Toast Masters Club

Hamilton, Pansy

- Board Member, The Mico University College
- Board Member, Caribbean HIV/AIDS Alliance
- Vice President, Jamaica Association of Health Service Executives
- Executive Member, YWCA Jamaica
- Member, of the Churches Emancipation Committee for the Annual Emancipation Lecture

Jackson, Elaine

- Chief Worship Minister for Word of Life Christian Fellowship and for the National Intercessory Prayer Network of Jamaica
- Director, and Executive Producer for UIWAIS House of Worship Ministry
- Board Member, August Town Primary School
- Member, Jamaica Association of Composers, Authors and Publishers

Meade, Joan

- Past President, Lions Club of St. Andrew Central

Williams, Lillith

- Member, Jamaica Downs Syndrome Association
- Member, Jamaica Association for Persons with Mental Retardation

- Regional leader in Region 5, Parents and Professionals in Partnership, Jamaican Association on Intellectual Disabilities (JAID)
- Coordinator, Parents and Friends of the Randolph Lopez Adult Centre for adults with intellectual disabilities.

McKenzie, Claudette

- Member, Jamaica Association of Health Service Executives

THE NATURAL PRODUCTS INSTITUTE

Trevor H. Yee, BSc (Hons.), PhD *UWI*, MBA (Hons.) *Nova*
– Executive Director

WORK OF THE INSTITUTE

During the year 2010/2011, the Institute won a number of awards for its research. At the Scientific Research Council's Innovations in Science and Technology Competition for the year 2010, the Institute swept all the major prizes in the competition, by winning First prize in the Manufacturing, Food and Agriculture Category, and First prize as the Overall Winner of the Competition. This was for Dr. Trevor Yee's, Ms. Charah Watson's and Ms. Nemoi Chisholm's of the Institute research project,

“A study of Two Invasive Citrus pests in Jamaica, *Heraclides andraemon* and *Papilio demoleus* and the Development of Control Measures against them.” In addition Mrs. Simone Badal-McCreath, Ph. D. candidate supervised by Dr. Rupika Delgoda of the Institute, won the Young Scientist of the Year Award. The title of her presentation was, “Uncovering the Anticancer Efficacies of Jamaican Natural Products”.

Later in the year Dr. Yee, Ms. Watson, Ms. Chisholm and their collaborators, Dr's. Eric Garraway and Dwight Robinson of the Dept. of Life Sciences also won the Principal of the Mona Campus' Award for the Most Outstanding Research Activity for the Faculty of Pure and Applied Sciences for the year 2010, for their research project. Then, at the Faculty of Pure and Applied Sciences Awards they were also awarded the Outstanding Research Award for the year. Finally, there was international recognition for our research project in Ms. Charah Watson being recognized as one of the one hundred most outstanding young chemists in the world. She was one of only two persons from this region to be so



honoured and received full sponsorship of her airfare, accommodation and conference fees paid' She was presented with her award at a Natural Products, Medicinal and Organic Synthesis Chemistry conference in Sao Paulo, Brazil to celebrate the International Year of Chemistry and at which four Nobel Prize winners in Chemistry were among the invited speakers. She presented on her research at this conference.

Mr. David Picking, former Commonwealth Scholar and current MSc/PhD student with Dr. Delgoda was awarded the Best Presenter at the well attended 56th annual Caribbean Health Research Council Meeting, April 2011, Guyana, for the oral presentation outlining their work, 'The Prevalence of Herbal Medicine Home Use and Concomitant Use with Pharmaceutical Medicines in Jamaica'.

A year after our submission of two preliminary U. S. Patent Applications for "Methods of Controlling the Breeding Behavior of Butterflies" and "Methods and Products for Reducing the Population Size of *Papilio demoleus* L. (Papilionidae)", we have now submitted these as full patent applications, on 29th Jan. 2011. Dr. Yee and Prof. Helen Jacobs of the Dept. of Chemistry has also made significant improvements to their original process to extract the active ingredients of Bitterwood, and for which they were awarded U.S. and Jamaican Patents. They were able to submit a new preliminary U.S. Patent application for their improved process, "A Simplified Process for Extracting Quassinoids", submitted to the US. Patent Office on 1st Feb. 2011.

Major funding was also received by Dr. Delgoda as main Principal Investigator from the Forest Conservation Fund for her project entitled, "Bioprospecting forest medicinal plants for the development of a nutraceutical industry: aiding alternative livelihoods". With this funding, the Institute will be forging ways for a new cancer research laboratory dedicated to investigating natural products with potential anti-cancer bioactivity.

Research is also continuing on a number of research projects as well as some new projects, including an investigation into the use of some of our agricultural wastes as alternative energy sources, and new grant

applications for additional external funding for our research projects have been submitted.

Work has been presented in international and local scientific conferences by both staff and students registered at the Institute.

U.S. Patent Applications

- **Trevor H. Yee, Charah T. Watson**, and Eric Garraway, 2010. Methods of Controlling the Breeding Behavior of Butterflies. Full Utility Patent Application filed with the U. S. Patent Office, Jan. 29, 2011.
- **Trevor H. Yee, Charah T. Watson**, Eric Garraway, **Nemoi Chisholm**, and Dwight E. Robinson, 2010. Methods and Products for Reducing the Population Size of *Papilio demoleus* L. (Papilionidae). Full Utility Patent Application filed with the U. S. Patent Office, 29th Jan., 2011.
- **Trevor H. Yee** and Helen M. Jacobs A Simplified Process for Extracting Quassinoids. Preliminary U. S. Patent Application, filed 1st Feb., 2011.

PAPERS PRESENTED

- **T. H. Yee, C. T. Watson**, E. Garraway, D. Robinson and **N. Chisholm**, A Study of Two Invasive Citrus Pests in Jamaica, *Heraclides andraemon* and *Papilio demoleus* and the Development of Control Measures against them, Scientific Research Council 23rd Science and Technology Conference and Exposition, Nov. 9-11, 2010.
- **C. Watson** and **T. Yee**, A Study on Two Invasive Butterfly Species in Jamaica, *Heraclides andraemon* and *Papilio demoleus* and the Development of control Measures against them. Scientific Research Council 23rd Science and Technology Conference and Exposition, Nov. 9-11, 2010.
- **C. Watson**, The Development of Control Measures against the Invasive Citrus Butterfly *Heraclides andraemon* (Papilionidae)

Hubner using Green Technologies. (University of Technology Seminar, November 2010)

- **R. Delgoda, S Francis, O Dunbar**, M. McNeil, H Jacobs and R Porter, “Inhibition of bacterial NAT activity by natural products and their derivatives”, Symposium from drug metabolism to drug discovery, July 15-17, 2011, Oxford, U.K.
- **S. Francis, S Badal**, D. Hasse, G. Huang, TJ, Tzeng, J. Jacobs, E. Brantley and **R. Delgoda**. “Cytochrome P450 (CYP) inhibition screening with extracts from Jamaican plants”, Inaugural scientific conference, “Science, Technology and Sport: Bridging the gap between research and practice”, June 8-10, 2011, Kingston, Jamaica
- **D Picking**, N Younger, S Mitchell and **R Delgoda**, “Herbal Medicine Home Use in Jamaica” 1st Public Health conference, May 2011, Kingston Jamaica
- **S Badal**, W Gallimore, DG Huang, TJ. Tzeng, and **R Delgoda**, “Anticancer and Chemopreventive Leads From The Marine Algae *Cymopolia Barbata*” 56th annual Caribbean Health Research Council meeting, April 2011, Guyana.
- **D Picking**, N Younger, S Mitchell and **R Delgoda**, “The Prevalence of Herbal Medicine Home Use and Concomitant Use with Pharmaceutical Medicines in Jamaica” 56th annual Caribbean Health Research Council meeting, April 2011, Guyana.
- **S Badal, S Francis**, D Haase, G Huang, TJ Tzeng, H Jacobs and **R Delgoda**, Potential chemopreventive xanthenes found in *Garcinia humilis*”, 56th Annual Caribbean Health Research Council meeting, April 2011, Guyana.
- **Badal S**, Gallimore W, Huangc, T.J, Tzengc, D.J. Gangemi D, and **Delgoda R** “Chemopreventive and Anti-Cancer leads from the marine algae *Cymopolia Barbata*”, 19th Annual Medical Research Conference, UWI, November 2010.
- **Picking D**, Younger N, Mitchell S and **Delgoda R**, “The prevalence of herbal medicine home use in rural and urban

communities in Jamaica”, 19th Annual Medical Research Conference, UWI, November 2010.

- **Badal S**, Huang G, Jacobs H, Tzeng T, and **Delgoda R**, “Uncovering the anticancer efficacies of Jamaican natural products” 23rd Science & Technology Conference & Exposition, Scientific Research Council, Kingston, November 2010.
- **Picking D**, Younger N, Mitchell S and **Delgoda R**, “ Herbal medicine use in urban and rural communities in Jamaica” 23rd Science & Technology Conference & Exposition, Scientific Research Council, Kingston, November 2010.
- **Badal S**, Picking D, **Franis S**, Simposn D.S., Huang G, Vendantam P, Jacobs H, Tzeng T.J. and **Delgoda R**, Anti cancer efficacy of Jamaican natural products, Proceedings of the College of Health Sciences, Health Professionals Conference 2010, July 10-11, 2010, University of Technology, Jamaica.

PUBLICATIONS

- * **Picking D**, Younger N, Mitchell S, **Delgoda R**, The prevalence of herbal medicine home use and concomitant use with pharmaceutical medicines in Jamaica. *J Ethnopharmacol.* 2011; 137 (1): 305-11. Epub, May 27, 2011.
- * **Francis S**, **Delgoda R**, Young R, Effects of embryonic exposure to α -Lipoic acid or ascorbic acid on hatching rate and development of Zebrafish (*Danio rerio*), *Aquaculture Research*, Epub. June 7, 2011.
- * **Badal S**, Williams SA, Huang G, **Francis S**, Vendantam P, **Dunbar O**, Jacobs H, Tzeng TJ, Gangemi J and **Delgoda R**, Cytochrome P450 1 enzyme inhibition and anticancer potential of chromene amides from *Amyris plumieri* 2011, *Fitoterapia*, 82, 230-236
- * **Delgoda R**, Younger N, Barrett C, Braithwaite J, Davis D, The prevalence of herbs use in conjunction with conventional

medicines in Jamaica, 2010, *Complementary therapies in Medicine*, 18, 13-20.

Income Generation

Forest Conservation Fund (J\$11.94M); Bioprospecting forest medicinal plants for the development of a nutraceutical industry: aiding alternative livelihoods; approved for 3 years, Awarded to Dr. Delgoda (NPI, PI) and Dr. Lindo (Biochemistry)

The Institute earned J\$150,000 for an investigation on behalf of a client.

PUBLIC SERVICE

Trevor H. Yee

- Treasurer, International Society for the Development of Natural Products.
- Acting President, the Natural History Society of Jamaica.
- Member, Steering Committee: Towards a National Bioprospecting Programme, National Commission of Science and Technology, Office of the Prime Minister.

Rupika Delgoda

- Executive Director, TEDx Jamaica (a nonprofit organization devoted to ideas worth spreading).
- UWI representative, Caribbean Business Herbal Association - Jamaica Chapter.
- Executive committee member, Jamaica Sri-Lanka Friendship Association.
- Executive committee member, Eleven Millsborough residents association.

TROPICAL MEDICINE RESEARCH INSTITUTE (TMRI)

Professor Terrence Forrester, MBBS, DM, MSc, PhD *UWI*,
MRCP *Lond*, FRCPEd – Director

Background

The TMRI was established in 1999 with the following mission: The TMRI exists to conceive and deliver high quality research that addresses regional and global health priorities in order to improve health, enhance wellbeing, and create wealth through this investment in human capital.



The Institute comprises 3 units on the Mona campus: Epidemiology Research Unit, Sickle Cell Unit and Tropical Metabolism research Unit, and the Chronic Disease Research Centre at Cave Hill. The Mona units are the focus of this report, however we include highlights from the annual report of the Chronic Disease Research Centre. The full report for the centre is submitted through the Dean Faculty of Medical Sciences, to the Cave Hill Principal.

Key objectives of the Institute set at the time it was established are

1. To increase the output of research in major areas affecting the health of regional peoples
2. To increase the number of trained research scientists working in health
3. To facilitate the uptake of research information into policy, programmes and practice

The TMRI thus contributes substantially to two **strategic objectives of the UWI: Research and Innovation, and Graduate Studies**, the latter through Masters and doctoral programmes in Nutrition and Epidemiology. The Institute also provides significant outreach to

communities through clinical service primarily through the Sickle Cell Clinic, management of severely malnourished children and specialist clinical services to the UHWI.

Academic Programmes

The Institute continues to offer Masters and Doctoral programmes in Nutrition and in Epidemiology. The Masters in Epidemiology is a self financing programme. The PhD programme in Epidemiology began in 2009 and currently has 4 candidates enrolled. A key objective of the institute is to expand the regional cadre of well-trained health researchers. We have made significant contributions in this area but need to expand training at the doctoral and post-doctoral levels to provide the mentorship needed for persons to develop into independent researchers.

In collaboration with the Faculty of Medical Sciences, Mona and funded through the Dean's Office, a research training fellowship programme began in 2008 allowing two-year placement of faculty in the TMRI for training in research with the goal of conducting and publishing a research project during the fellowship. Three persons have completed fellowships and two faculty members are current fellows.

The CDRC has a research capacity-building programme led by Prof Ian Hambleton which aims to implement cost-effective systems and procedures to facilitate good research practice. This programme aims to enhance the quality of ongoing and future research at the CDRC, and the Mona units of TMRI and to promote good research practice among the wider researcher community in Barbados and regionally. It is expected that this research infrastructure will serve as a foundation for attracting more high calibre collaborators to both UWI and the region.

Research and Publications

The TMRI research programmes underwent external review in November 2010. An extensive annual report was submitted for the year 2009-10 leading up to the review. The feedback from the review has been used to ensure that our research programmes are internationally competitive while addressing regional needs. Some issues raised by the review were the need

to increase research on health interventions where TMRI could be a globally recognised centre for evaluation of interventions relevant to low and middle income countries, to expand collaborations both regionally and internationally and to increase staff capacity in obtaining grant funds

The current research programmes are:

Human Nutrition and Metabolism, Endocrinology, Genetic underpinnings of disease susceptibility and severity, Sickle Cell Disease, Child Development, Chronic Non-Communicable Diseases – Surveillance, Epidemiology and Interventions, Inflammation and Wound healing.

The TMRI expects to contribute substantially to the UWI's response to the growing problem of non-communicable chronic disease, the focus in September 2011 of only the second High level meeting of the UN General Assembly on health, and to be a globally recognised centre for evaluation of interventions relevant to low and middle income countries.

Staff of the institute have been successful in obtaining grant funds to support research from a variety of agencies. New grants were obtained during 2010-11 from the Canadian International Development Agency, Caribbean Medlabs Foundation Trinidad (CDRC), The European Union (CDRC), the Inter-American development Bank, Jamaica National Building Society, NIH (NHLBI) and The Wellcome Trust, among others. More needs to be achieved and will require more training and mentorship of staff in writing grant proposals and expansion of collaborative arrangements.

Clinical Service and outreach

The Sickle Cell Unit is the only comprehensive clinical facility for the care of persons with sickle cell disease in Jamaica. In addition to daily clinics at the Sickle Cell Unit, monthly clinics are held in St. Elizabeth (Black River hospital) and St. James (Cornwall Regional Hospital).

Neonatal Screening: Neonatal screening is conducted at the Victoria Jubilee Hospital, the University Hospital and the Spanish Town Hospital. Approximately 15,000 births are screened annually representing ~ 40% of

births in Jamaica. Neonatal screening is critical as it allows for early diagnosis and simple prophylactic measures such as infection prevention (penicillin prophylaxis), and parental education in early diagnosis of acute splenic sequestration thus decreasing childhood deaths in SCD.

A memorandum of understanding is being developed with the Ministry of Health, with technical support from the Government of Brazil, to provide the training and facilities necessary to implement a sustainable island-wide screening programme.

The TMRI provides in-hospital care for children with severe malnutrition at the TMRU ward. The Institute also provides Clinical Nutrition Service to the University Hospital, offering nutritional support to the critically ill, including enteral and parenteral nutrition. TMRI also provides outreach programmes providing parenting education for parents of severely malnourished children and social welfare for sickle cell patients.

PUBLIC SERVICE

Staff contribute to numerous professional organisations and provide technical advice to the Ministries of Health and Education, to regional institutions including the Caribbean Health Research Council and CARICOM and to international agencies such as the Pan American Health Organisation, World Health Organization, the Inter-American development Bank, the International Atomic Energy Agency, The UK Medical Research Council

The 8th Caribbean Cytometry & Analytical Society (CCAS) Caribbean International HIV/AIDS Workshop was held in 2011. CCAS is a not for profit HIV charity led by Prof Clive Landis (CDRC) with the aim of helping to raise antiretroviral drug treatment (ART) for HIV/AIDS patients and to help build laboratory infrastructure in the region for monitoring the patient's immune system and guiding ART therapy. The 2011 workshop was held in Jamaica and produced a Declaration on the establishment of a Caribbean Laboratory Network addressed to the Health Desk of CARICOM, endorsed by representatives attending the meeting from PANCAP, CDC, CMLF, HAPU, and CCAS.

Infrastructural Enhancements

Some refurbishment of facilities was conducted in 2010-11 through the support of the Office of Finance. The Norma Lewis diagnostic room was established at the Sickle Cell Unit through the SCATE project (Sparing Conversion to Abnormal TCD Elevation) which is a multicentre trial (Jamaica, Brazil, USA) funded by the National Heart Blood Lung Institute. The laboratory will allow the conduct of Transcranial Doppler (TCD) ultrasonography, a non-invasive, out-patient procedure which measures the speed of blood flow in the blood vessels of the brain, which can be used to assess stroke risk.

PUBLICATIONS

Peer Reviewed

WIMJ = West Indian Medical Journal

- * Ali SB, Moosang M, King L, Knight-Madden J, Reid M. Stroke recurrence in children with sickle cell disease treated with hydroxyurea following first clinical stroke. *Am J Hematol* Oct; 86(10): 846-50.
- * Ali SB, Reid M, Fraser R, MooSang M, Ali A. Seizures in the Jamaica cohort study of sickle cell disease. *Br J Haematol* Nov; 151(3): 265-72.
- * Asnani MR, Fraser R, Lewis NA, Reid ME. Depression and loneliness in Jamaicans with sickle cell disease. *BMC Psychiatry*; 10:40.
- * Baker-Henningham H. Transporting evidence-based interventions across cultures: using focus groups with teachers and parents of pre-school children to inform the implementation of the Incredible Years Teacher Training Programme in Jamaica. *Child Care Health Dev*, 2011 Sep; 37(5):649-61.
- * Baker-Henningham H L-BF. Early childhood stimulation interventions in developing countries: A comprehensive literature review. IDB Working Paper Series: #IDP-WP-213

Inter-American Development Bank, Washington DC, USA.; 2010.

- * Baker-Henningham H, Grantham-McGregor S. (in press) Early child development in developing countries: The role of nutrition and stimulation. In: Conference Proceedings: Inclusive early child development: An underestimated component within poverty reduction Bezev (Disability and Development Corporation), 3rd to 4th February, Bonn, Germany 2011.
- * Boyne MS, Bennett NR, Cooper RS, Royal-Thomas TY, Bennett FI, Luke A, et al. Sex-differences in adiponectin levels and body fat distribution: longitudinal observations in Afro-Jamaicans. *Diabetes Res Clin Pract*, Nov; 90(2): e33-6.
- * Boyne MS, Osmond C, Fraser RA, Reid M, Taylor-Bryan C, Soares-Wynter S, et al. Developmental origins of cardiovascular risk in Jamaican children: the Vulnerable Windows Cohort study. *Br J Nutr*, Oct; 104(7): 1026-33.
- * Boyne MS, Thame M, Osmond C, Fraser RA, Gabay L, Reid M, et al. Growth, body composition, and the onset of puberty: longitudinal observations in Afro-Caribbean children. *J Clin Endocrinol Metab* Jul; 95(7): 3194-200.
- * Campbell CP, Barnett AT, Boyne MS, Soares-Wynter S, Osmond C, Fraser RA, et al. Predictors of physical activity energy expenditure in Afro-Caribbean children. *Eur J Clin Nutr*, Oct; 64(10): 1093-100.
- * Chang SM, Walker SP, Grantham-McGregor S, Powell CA. Early childhood stunting and later fine motor abilities. *Dev Med Child Neurol*, Sept; 52(9): 831-6.
- * Chiang CW, Gajdos ZK, Korn JM, Butler JL, Hackett R, Guiducci C, et al. The efficacy of detecting variants with small effects on the Affymetrix 6.0 platform using pooled DNA. *Hum Genet*, Nov; 130(5) :607-21.

- * Chin SN, Boyne MS, McGrowder D, Gibson TN, McKenzie CA. The predictive value of urinary vanillylmandelic acid testing in the diagnosis of pheochromocytoma at the University Hospital of the West Indies. *WIMJ*, Mar; 60(2):141-7.
- * Cooper CM, James K, Wilks RJ. HTLV-1 related knowledge, attitude and behaviour patterns among mothers who participated in the Jamaica Breastfeeding Intervention Study (1996-2000). *WIMJ*, Jan; 59(1):35-40.
- * Ferguson TS, Tulloch-Reid MK, Wilks RJ. The epidemiology of diabetes mellitus in Jamaica and the Caribbean: a historical review. *WIMJ*, Jun; 59(3):259-64.
- * Ferguson TS, Younger N, Tulloch-Reid MK, Forrester TE, Cooper RS, Van den Broeck J, et al. Prevalence of the metabolic syndrome in Jamaican adults and its relationship to income and education levels. *WIMJ*, Jun; 59(3):265-73.
- * Ferguson TS, Younger N, Tulloch-Reid MK, Lawrence-Wright MB, Forrester TE, Cooper RS, et al. Progression from prehypertension to hypertension in a Jamaican cohort: incident hypertension and its predictors. *WIMJ*, Oct; 59(5):486-93.
- * Fletcher HM, Bennett F, Simms-Stewart D, Reid M, Williams NP, Wharfe GH, et al. Cardiovascular disease risk factors in menopausal Jamaican black women after hysterectomy and bilateral oophorectomy: an observational study. *WIMJ*, Dec; 59(6):625-32.
- * Grantham-McGregor S Baker-Henningham H. Iron deficiency in childhood: Causes and consequences for child development. *Annales Nestle*, 2010. p. 105-19.
- * Green CO, Wheatley, A.O., Hanchard, B., Gibson, T.N., McGrowder, D.A., Dilworth, L.L. and Asemota, H.N. (2010). Histopathological alterations in organ structures of hypercholesterolemic rats fed ortanique peel polymethoxylated flavones. *Basic and Applied Pathology*, 2010; 4(3):71-7.

- * Green CO, Wheatley, A.O., McGrowder, D.A., Dilworth, L.L. and Asemota, H.N. Hypolipidemic effects of Ortanique peel polymethoxylated flavones in rats with diet-induced hypercholesterolemia. *Journal of Food Biochemistry*, 2011; 35(5): 1555-60.
- * Green CO, Wheatley, A.O., Hanchard, B., Gibson, T.N., McGrowder, D.A., Dilworth, L.L. and Asemota, H.N. Histopathological effects of ortanique peel polymethoxylated flavones on organ structures of hypercholesterolemic rats. *FASEB*, 2011; 25:616.2.
- * Green CO, Wheatley, A.O., McGrowder, D.A., Dilworth, L.L. and Asemota, H.N. Modulation of antioxidant enzymes activities and lipid peroxidation products in diet-induced hypercholesterolemic rats fed Ortanique peel PMFs extract. *J Appl Biomed*, 2012; 10 ISSN 1214-0287.
- * Gupta R, Ejebe K, Butler J, Lettre G, Lyon H, Guiducci C, et al. Association of common DNA sequence variants at 33 genetic loci with blood lipids in individuals of African ancestry from Jamaica. *Hum Genet* Nov; 128(5):557-61.
- * Hamadani J Baker-Henningham H, Tofail F, Mehrin F, Huda S, Grantham-McGregor S The validity and reliability of mothers' report of language development in one year old children in a large scale survey in Bangladesh. *Food and Nutrition Bulletin*, 2010; 31(2):S198-S206.
- * Kieling C Baker-Henningham H, Belfer M, Conti G, Ertem I, Omigbodun O, Rohde LA, Srinath S, Ulkuer N, Rahman A. . Child and adolescent mental health worldwide: evidence for action. *The Lancet*, 2011.
- * King L, Ali S, Knight-Madden J, MooSang M, Reid M. Compliance with intramuscular penicillin prophylaxis in children with sickle cell disease in Jamaica. *WTMJ*, Mar; 60(2):177-80.

- * Knight-Madden J, Vergani D, Patey R, Sylvester K, Hussain MJ, Forrester T, et al. Cytokine Levels and Profiles in Children Related to Sickle Cell Disease and Asthma Status. *J Interferon Cytokine Res*, Sep 14.
- * Knight-Madden JM, Lewis N, Tyson E, Reid ME, MooSang M. The possible impact of teachers and school nurses on the lives of children living with sickle cell disease. *J Sch Health*, May; 81(5):219-22.
- * Lawrence-Wright MB, Boyne MS, Osmond C, Fraser RA, Soares-Wynter S, Thame M, et al. The effect of fetomaternal size and childhood growth on left ventricular mass and arterial stiffness in Afro-Caribbean children. *J Hum Hypertens*, Jul; 25(7):457-64.
- * Marshall KG, Swaby K, Hamilton K, Howell S, Landis RC, Hambleton IR, et al. A preliminary examination of the effects of genetic variants of redox enzymes on susceptibility to oedematous malnutrition and on percentage cytotoxicity in response to oxidative stress in vitro. *Ann Trop Paediatr*; 31(1):27-36.
- * McCaw-Binns A, Ashley D, Samms-Vaughan M, Wilks R, Ferguson T, Younger N, et al. Cohort Profile: The Jamaican 1986 Birth Cohort Study. *Int J Epidemiol*, Aug 30.
- * Metzger BE, Persson B, Lowe LP, Dyer AR, Cruickshank JK, Deerochanawong C, et al. Hyperglycemia and adverse pregnancy outcome study: neonatal glycemia. *Pediatrics*, Dec; 126(6):e1545-52.
- * Nebor D, Bowers A, Hardy-Dessources MD, Knight-Madden JM, Romana M, Reid H, et al. Frequency of painful crises in sickle cell anemia and its relationships with the sympatho-vagal balance, blood viscosity and inflammation. *Haematologica*, Jul 12.
- * Pakseresht M, Sharma S, Cao X, Harris R, Caberto C, Wilkens LR, et al. Validation of a quantitative FFQ for the Barbados National Cancer Study. *Public Health Nutr*, Sep 15:1-9.

- * Smeeton NC, Corbin DO, Hennis AJ, Hambleton IR, Rose AM, Fraser HS, et al. A comparison of outcome for stroke patients in Barbados and South London. *Int J Stroke*, Apr; 6(2):112-7.
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- * Tayo BO, Luke A, McKenzie CA, Kramer H, Cao G, Durazo-Arvizu R, et al. Patterns of sodium and potassium excretion and blood pressure in the African Diaspora. *J Hum Hypertens*, May 19.
- * Tulloch-Reid MK, Boyne MS, Smikle MF, Choo-Kang EG, Parkes RH, Wright-Pascoe RA, et al. Clinical and laboratory features of youth onset type 2 diabetes in Jamaica. *WIMJ*, Mar; 59(2):131-8.
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