

**FACULTY OF  
MEDICAL SCIENCES  
MONA**

**Year ending July 31, 2004**



**Professor Owen St. Clair Morgan, CD, MA, MD *Dub*, FRCP,  
FACP – Dean**



## *Dean's Overview*

**T**he Faculty of Medical Sciences has a mandate to train medical professionals, provide leadership, engage in research, and supply information from which governments may make informed decisions. Despite the challenges of shortfalls in funding and competition from off-shore medical schools, the Faculty stands ready to maintain the institution's viability, forge international linkages and develop self-sustaining entrepreneurial activities.

Professor the Hon. Rex Nettleford demitted the office of Vice Chancellor earlier this year and members of this faculty recall with gratitude his generosity and unfailing support for our work. His fairness and concern for colleagues and students alike will be missed. The Faculty extends its best wishes to him on his retirement.

We welcome Vice Chancellor Professor Nigel Harris. He is no stranger to Mona and brings a wealth of experience to the post.

### **HIGHLIGHTS AND ACHIEVEMENTS**

In Academic Year 2003/2004, the Faculty attained a number of notable milestones, including:

#### **Curriculum and Examinations**

The first cohort under the new MBBS curriculum completed Stage I of the programme and will be awarded the Bachelor of Medical Sciences (BMedSci) degree.

A review of the new curriculum recommended refining the tutorial and problem-oriented learning components, improving the feedback on performance to students and staff; ensuring sequential scheduling

of modules, scheduling examinations at the end of each module, and reviewing the format of the Stage I practical examinations.

The Bachelor of Basic Medical Sciences (BBMedSci) was launched with four options — physiology, anatomy, pharmacology and biochemistry.

The final MBBS examinations in Surgery were restructured by removing the long cases and merging short cases with oral assessments.

### **Accreditation**

Following the withdrawal of registration by the General Medical Council (GMC), a Caribbean regional accreditation body, the Caribbean Accreditation Authority on Education in Medicine and other Health Professions, was inaugurated. This body will ensure the standards of competence and ethical behaviour for quality health care in the region and more flexible registration procedures for doctors.

### **Facilities**

The building extension to the facilities at the Department of Advanced Nursing Education is complete.

The three-storey expansion to the facilities at the Department of Community Health & Psychiatry commenced and will be opened later this year.

The subdepartments of Chemical Pathology and Haematology now occupy new laboratories suitably equipped to provide routine and special tests worthy of a modern teaching hospital.

### **Expanding the intake of international students**

In March 2004, the Dean and the Senior Assistant Registrar, Admissions visited Botswana to discuss training of medical students and provide assistance with developing a medical school. Sixteen (16) students are now enrolled in the Faculty and others are expected over the ensuing years. Officials of the University of Botswana are scheduled to visit the Mona Campus to formulate agreements for training in areas other than medicine.

### **Collaboration and Alliances**

The Department of Surgery, Radiology, Anaesthesia & Intensive Care has collaborated with Yale University and the University of Toronto in graduate training programmes.

The Department of Community Health & Psychiatry trains health workers in contemporary mental health care in collaboration with the Ministry of Health. The Section of Psychiatry continues its involvement with the National Council for Drug Abuse in Jamaica by providing a substance abuse master plan for the Jamaican Government. The section is an active participant in a Latin American and Caribbean Network on mental health services research convened by PAHO.

The Department of Advanced Nursing Education collaborated with the University Hospital School of Nursing to increase the BScN student intake to 200 in the upcoming academic year.

The Department of Advanced Nursing Education franchised the BScN (generic) to Brown's Town Community College (BTCC), and has finalized another franchise to Excelsior Community College for the academic year 2004/05.

### **Research**

THE Faculty of Medical Sciences' strategic plan for research aims to ensure coordination of activities and map programmes with departments and faculties external to the FMS. The extensive research conducted by the Faculty is listed in individual departmental reports.

### **Funded Projects**

The Faculty attracted over U.S. 2.5 million in research grants during the last academic year. The breakdown of this income is available in individual departmental reports.

### **Ongoing Research**

The Faculty continued research in diverse subjects including:

The Jamaica Breast Disease Study; an analysis of medicolegal (coroner's) autopsies at the UHWI; and the usefulness of touch preparation cytology in autopsy diagnosis (by the Department of Pathology and the Department of Surgery, Anaesthesia, Radiology, and Intensive Care).

The pathology of breast cancer in Jamaica (by the Department of Pathology in collaboration with the National Public Health Laboratory of the Ministry of Health).

The colon cancer study group (established by the Department of Pathology in collaboration with the Department of Surgery, Anaesthesia, Radiology and Intensive Care, the Department of Medicine, and the TMRI).

Study of renal and hepatic cadmium levels in humans (by the Department of Pathology in collaboration with the International Centre for Environmental and Nuclear Sciences).

The use of *Carica papaya* in treating chronic skin ulcers (by the Department of Advanced Nursing Education in collaboration with the Department of Basic Medical Sciences, the Department of Microbiology, Capital University and the Ministry of Health).

The use of distillery waste for the microbial production of molecules of potential commercial interest; methods and technology in undergraduate medical education; formulation of a novel biological glue for surgical applications; and investigation of *E.colacae*- $\beta$ -lactamases to determine the mechanism of action of an apparently novel class of antibiotic resistance factors in pathogenic bacteria (has been completed by the Section of Biochemistry in the Department of Basic Medical Sciences).

Trauma Registry with 7500 patients entered up to July 31, 2004; the several aspects of trauma in Jamaica in collaboration with Dalhousie University, the Breast Disease project in collaboration with the Moffit Cancer Centre in Florida and the Department of Pathology, the Computer-assisted cardiac surgical simulator, and the multinational study on prostate cancer.

Parental knowledge, attitudes and beliefs toward asthma (Department of Obstetrics, Gynaecology & Child Health)

Pneumococcal serotypes and resistance patterns in children with Sickle Cell Disease: a comparative study between a developing country and a developed country (Department of Obstetrics, Gynaecology & Child Health)

Mega-trial of Safety and Efficacy of Pentavalent (G1, G2, G3, G4, and P1) Human Reassortant Rotavirus Vaccine in Healthy Infants, Funded by Merck and Co., USA.

“Pediatric and Perinatal HIV/AIDS Leadership Initiative in Kingston, Jamaica”, International Leadership Award, Funded by the Elizabeth Glaser Pediatric AIDS Foundation. Administrative Support of the “Kingston Pediatric and Perinatal HIV/AIDS Leadership Initiative” from the Principal’s Office, UWI and also a Research Fellowship in Pediatric Infectious Diseases and Epidemiology for Dr Julianne Steel-Duncan. (Section of Child Health)

The effect of pelvic peritoneal stripping on fertility rates in women with Endometriosis. (Department of Obstetrics, Gynaecology & Child Health)

A randomized controlled trial comparing the use of clomiphenene citrate with menogon for controlled ovarian hyperstimulation in couples undergoing intrauterine insemination. (Department of Obstetrics, Gynaecology & Child Health)

## Research Output

A total of 104 articles was published in international and local journals during the last academic year. The potential for a dramatic rise in this figure for the upcoming academic year is based on the 198 presentations made to international and regional conferences and the many submitted abstracts from which papers are being prepared for publication.

Department Publications	Conference	Presentations
Advanced Nursing Education	7	11
Basic Medical Sciences	18	26
Community Health & Psychiatry	9	50
Medicine	5	19
Obstetrics, Gynaecology & Child Health	23	79
Pathology	19	11

Microbiology	11	12
Surgery, Radiology, Anaesthesia & Intensive Care	19	20
<b>TOTAL</b>	<b>104</b>	<b>198</b>

The comparison of peer-reviewed publications by department is reflected in the chart below:

Notable among these were the award-winning abstracts by UWI HARP at the meeting of the American Public Health Association held in San Francisco in November 2003, and Dr Winston De La Haye's award-winning oral presentation at an International Psychiatry conference held in Durban, South Africa in 2003.

### **Conferences, Workshops and Seminars**

The Faculty hosted several conferences and seminars during academic year 2003/2004. These included,

The 12th Annual Research Conference of the Faculty of Medical Sciences, the theme of which was "Ageing Well, a Life Course Perspective," on November 12 and 13, 2004; and a subsequent public forum entitled "Challenges and responses to ageing in the Caribbean," hosted at the Visitors' Lodge on April 21, 2004.

A Mini-Symposium entitled "A Celebration of Academic Excellence in Paediatrics" an update on infectious diseases, on January 27, 2004, featuring Professor Richard Olmstead, Past Professor and Chair of Pediatrics at the University of Oregon Medical School.



The Department of Surgery, Anaesthesia & Intensive Care in association with Medtronic Midas Rex & Carl Zeiss, Inc. hosted the Caribbean Neuroscience Symposium on January 5-6, 2004 in the Main Medical Lecture Theatre.

The 3rd International Conference on Vaccines for Enteric Diseases, held at Half Moon Club, Montego Bay on April 28-30, 2004.

The Annual Nursing Midwifery Conference and Mary Seivwright Day, held on May 13 and 14, 2004 at the UWI Mona campus. The conference featured “Nurses challenging health issues through research,” and the keynote speaker was Dr. Carol Baxter, Professor of Nursing and Social Health and Head of the Centre for Nursing and Midwifery Research and Development at Middlesex University. At this conference the inaugural distinguished Mary Seivwright research lecture was launched.

An international HTLV-1 meeting, sponsored jointly by the Faculty and the NIH, held at the Half Moon Hotel in March, 2004. The meeting explored the current therapeutic modalities employed in HTLV-1 associated neurological diseases and planned strategies to effect better care for these patients with severe disability.

The 10th International conference on Diabetes sponsored by UWI, PAHO, CFNI and the American Diabetes Association, held at the Renaissance Jamaica Grande on March 4-7 under theme: New Trends in Diabetes Management. At this meeting, Dr. James Gavin III, was recognized as the Sir Alister McIntyre Distinguished Awardee for Outstanding Services, and delivered the keynote address.

The UWI Caribbean Neuroscience Symposium, Main Medical Lecture Theatre, January 5-6, 2004.

## **STUDENT ACHIEVEMENTS**

### **Undergraduate Programme**

#### **MBBS Examination Results**

Of the 104 candidates of the Class of 2006 sat the Stage I MBBS/BMedSci examination, 92 students were successful in the first attempt; 3 gained honors with distinctions, and 34 honours.

The MBBS examination results for Academic Year 2003/2004 were as follows:

### Stage II Part I

	Dates	Dist.	Hons.	Pass	Fail
Pathology/Microbiology Stage II Parts II, III & IV	May 2004	2	78	15	
Medicine (MD 500)	June 2004	-	2	87	4
Surgery (US 500 )	June 2004 1 8	78	6		
Obstetrics & Gynaecology (OG 500 )	June 2004	2	5	83	2

The Faculty graduated 109 undergraduate students in Academic Year 2002/2003:

MBBS	84
BSc Nursing	14
Certificate Nursing Education	6
Certificate Nursing Administration	6
BSc Physical Therapy	11

### Prizes

The following students were awarded Stage II Part I prizes for Academic Year 2003/2004:

Pathology Medal/Microbiology Medal	<b>Tamara Greaves</b>
Professor S. Brooks Memorial Prize	<b>Kamille West</b>
Professor Louis Grant Book Prize	<b>Sanya E. Gayle</b>

The following students from Mona were awarded Stage II Parts II, III and IV prizes and awards for Academic Year 2003/2004:

Allenbury Prize in Medicine	<b>Simone Bailey</b>
Overall Clinical Medal	<b>Karina Hew</b>
Wyett Award for Most Outstanding (Mona) Student in Obstetrics & Gynaecology	<b>Karina Hew</b>
General Surgery Prize	<b>Karina Hew</b>
Sir Harry Annamunthodo Prize in Surgery donated by the UWI Medical	<b>Karina Hew</b>

Alumni Assoc.(Canadian Chapter)

Dr. Aubrey McFarlane Bursary

**Karina Hew**

Linda and Harvey Gellman  
Scholarship

**Michelle Campbell**

The Independent United  
Order of Solomon

**Jepthroy Thompson**

Danforth Food Mart and “G”  
Quality Traders Scholarship

**Camille Campbell**

The Chevonne Harry Lue Medical  
Scholarship

**Trissia Brown**

Commonwealth Elective Bursary

**Ramon D. Arscott  
Dianna English**

Scotiabank Foundation  
Award for Pediatrics

**Karina Hew**

### **Graduate Studies**

The Faculty currently offers 6 MSc programmes, a Masters degree in public health, and 19 DM programmes; it has 9 students registered in MPhil and PhD Programmes. New programmes and course offerings introduced in Academic Year 2003/2004 include the Health Education option in the Master of Public Health Programme; the PhD in Psychiatry; the DM in Haematology (which was recently restructured); and the MSc in Clinical Psychology in collaboration with the Faculty of Social sciences. The DM Ophthalmology has been reinstated for the upcoming academic year.

A milestone in the Faculty’s graduate programme is the reciprocity received in the Part I DM Anaesthesia and Intensive Care with the Part I of the Fellowship of the Royal College Examinations.

The postgraduate programme in Haematology now combines the Clinical haematology and laboratory haematology programmes.

The number of registered postgraduate candidates include:

19 DM General Surgery 1 PhD Anatomy

2 PhD Microbiology

9 DM Orthopaedics

15 PhD Biochemistry

2 MSc Medical MicroB	
8 DM Otolaryngology	6 PhD Pharmacology
35 MSc Nursing	
10 DM Urology	1 MPhil Anatomy
5 DM Neurosurgery	32 MPhil Biochemistry
4 DM Cardiothoracic Surg.	14 MPhil Pharmacology
5 DM Paediatric Surgery	3 PhD Physiology
5 DM Ophthalmology,	8 MPhil Physiology
14 DM Radiology	6 DM Anatomical Pathology
21 DM Anaesthesia	5 DM Haematology
22 DM Emergency Med.	4 DM Microbiology

Successful postgraduate candidates in the past academic year include:

Basic Medical Sciences	3 PhD Biochemistry
	2 MPhils Biochemistry
	1 PhD Physiology
	1 MPhil Physiology
Obstetrics, Gynaecology	2 DM Paediatrics
	5 DM Obstetrics & Gynaecology
Medicine	4 DM Medicine
Microbiology	3 DM
Advanced Nursing Education	22 MSc N (Nursing Administration and Nursing Education)
	6 MScN (Family nurse practitioner and Psychiatric mental health nurse practitioner)
Community Health & Psychiatry	2 DM Psychiatry (Dr. Judith Leiba was awarded the Eli Lilly Prize)
8 MSc Clinical Psychology (in collaboration with the Department of Sociology, Psychology and Social Work)	

25 MPH (Master in Public Health)

Surgery, Radiology, Anaesthesia and Intensive Care 3 DM Orthopaedics

2 DM General Surgery

2 DM Neurosurgery

1 DM Emergency Medicine

2 DM Paediatric Surgery

1 DM Urology

4 DM Anaesthesia

## **ACADEMIC STAFF**

### **Professional and public service**

The UWI HIV/AIDS Response Programme (UWI HARP), led by Professor Brendan Bain, became a foundation member of the Pan-Caribbean Partnership against AIDS, which was launched in 2001.

Dr. Carlton Collie was awarded a Hubert H. Humphrey Fellowship for 2004/2005 and will pursue the award at Cornell University.

Dr. Maxine Gossell-Williams was the recipient of the Young Scientist Technology Award from the Scientific Research Council.

Professor H. Wynter received the “Community service Award” at the Annual Clinical Meeting of the American College of Obstetricians and Gynaecologists, Philadelphia, US, 2004 for his many years of service to the region.

Dr. Lennox Matadial was honoured by The Grabham Society (July 2003) and the West Indies Section American College of Obstetricians and Gynecologists (February 2004) for his many years of service to the region.

Dr. Horace Fletcher received the Principal’s award for best research for the FMS in the UWI Awards Ceremony, 2004 as well as the Grabham Society award for leadership, July 2003.

Fullbright Fellowships were awarded to Dr. Wayne McLaughlin, Mr. Maxine Gossell-Williams and Dr. Lisa Lindo of the Department of Basic Medical Sciences.

Dr. Michael McFarlane was appointed secretary to the American College of Surgeons, Jamaica Chapter and member of the Board of Management of the Jamaican Cancer Society

Professor H. Asemota was appointed international consultant for biotechnology to the Republic of Tajikistan, United Nation's Food and Agriculture Organization, and project coordinator for the Jamaica-Mexico Binational Commission Technical Cooperation Project on Anti-nutritional factors, Phase II.

Dr. Andrew Wheatley was elected Deputy Mayor of Spanish Town and vice chairman of the St. Catherine Parish Council, and board member of the International Cannabis Research Institute.

Professor Charles Denbow received the Association of Consultant Physicians' award for excellence for dedicated and outstanding service in the field of medicine.

Dr. R. Wright-Pascoe was appointed adjunct faculty for the Williams J. Harrington Medical Training Programme for Latin America, University of Miami, School of Medicine.

### **Honours and Awards**

Dr. H. Hewitt was awarded the Order of Distinction, Officer Class (O.D.)

Professor F. Hickling was named the Chairman of the National Council for Drug Abuse.

Dr. M. Samms-Vaughan was named Chairman of the National Early Childhood Commission to advise the Minister of Education on matters of early childhood development and formulating national policy in that area. Dr. Samms-Vaughan was also appointed to the National Council on Education by the Governor General in September 2003.

### **Promotions**

#### **Professorships**

**Joseph Frederick**

Professor of Obstetrics and  
Gynaecology and Director of the  
Advance Fertility Training

Management Research Unit  
(AFTMRU),

**Kathleen Coard**

Professor in Pathology

**Dipak Shah,**

Professor in Pathology

#### **Senior Lecturer**

**Derek Mitchell, REC Rose  
and Wayne West**

(Department of Surgery)

#### **Headship**

**Gilian Wharfe &  
Susan Shirley**

(Department of Pathology)

**Professor Everard Barton**

(Department of Medicine)

**Dr. Horace Fletcher**

(Department of Obstetrics,  
Gynaecology and Child Health).

#### **Retirees**

The Faculty bade farewell to Dr. O. Barrow, Dr. C. Fletcher, and Dr. Gwendolyn Dowe, who collectively served the faculty for over 90 years. We will miss them greatly and wish them continued good health in their retirement.

#### **Obituaries**

We are deeply saddened by the death of Sir Kenneth Standard, Professor Emeritus of Social and Preventive Medicine after serving as lecture and senior lecturer in the Department of Medicine, Sir Kenneth became professor and head of department. He remained a consultant to PAHO/WHO and was awarded PAHO's coveted Man of the Century Award for public health. Sir Kenneth will be remembered as a warm and much valued friend.

## DEPARTMENT ADVANCED NURSING EDUCATION

**Dr. Hermi Hewitt, BSc (Nursing) UWI, MPH Tulane,  
PhD Univ of Iowa – Head of Department**

### WORK OF THE DEPARTMENT

#### Introduction:



**D**ANE's goals for the academic year 2003-04 were: to increase access for persons to obtain higher education in nursing in the Caribbean; build staff research capacity; improve greater visibility for the Nursing Midwifery Research Centre (NMRC); strengthen international academic nursing links; and improve the physical facility to meet the expanding programme offerings, staff and teaching/learning needs. To a large extent these goals were achieved.

#### Increase Student Access

The Bachelor of Science Nursing (post-RN) degree started in 1983, was revised and restructured in 2003, and is offered in 2004 as a completion degree for registered nurses and the certificate programmes are now in their final year.

The UWI will be offering the BScN (generic) degree at the Mona campus to new entrants to the nursing profession through a collaborative arrangement with the University Hospital of the West Indies (UHWI) targeting an additional 200 students. This is an historic development because for 55 years (1949-2004), only certificate nursing training was available at the UHWI.

Based on a Memorandum of Understanding between the UWI and Excelsior Community College April 5, 2004, the BScN (generic) will be franchised to Excelsior Community College. Brown's Town



Community College is in its third year of franchising the UWT's BScN degree. Other Colleges expressing interest in franchised agreements are Bethlehem Teachers College and Knox Community College.

DANE for the first time offered one of its credited courses, NE33B Clinical Teaching and Supervision with Practicum, as a Summer School initiative. This was also a fund generating venture.

Eight undergraduate courses are being converted for E-learning delivery beginning with Epidemiology, semester one, 2004-05. Conversion of other courses is in progress.

### **Physical Facility**

The long awaited extension of DANE's building was completed May 12, 2004. This has greatly improved the teaching/learning and working environment for both students and staff. New added space includes a conference room, NMRC room, a Skills laboratory, offices and sanitary facilities. Financial constraints have hindered some amenities such as the ramp for the disabled, an enclosed courtyard and parking spaces.

### **Building Staff Research Capacity**

Staff attended and presented papers and posters at national, regional and international research conferences. Four staff members participated in the research project on "Assessment of the Capacity to Educate and Train Nurses in thirteen CARICOM Countries". This PAHO/WHO funded (**J\$369,495.00**) study determined the nursing capacity for education and training for sustaining quality nursing and health care.

The Report submitted to PAHO in January 2004 was presented to the Council for Human and Social Development (COHSOD) meeting in April 2004 as a strategy to recruit and retain nurses. DANE staff also presented papers at the International Nurses' and Nursing Midwifery Research Conferences in Barbados (February 23, 2004) and in Jamaica (May 2004) respectively.

The Caribbean-Canadian partnership enabled DANE staff to participate in three video teleconferencing research internship seminars from the Ottawa University, May 25, June 24, and July 22,

2004, financed by Health Canada. A review of the partnership was held at the PAHO/WHO CPC office in Barbados, February 25, 2004.

Three staff members collaborated with students in presenting seven research posters at the Annual Medical Research Conference November 2003 and four oral presentations at the Nursing Midwifery Research Conference May14, 2004.

### **Nursing Midwifery Research Conference (NMRC)**

The NMRC which started in 1999, increased its activities during the year as follows:

- Two funded PAHO/WHO projects, “Assessment of the capacity of the Caribbean to train nurses” (J\$369,495.00) and “Profile of Midwifery Services in Latin America and the Caribbean and a Case Study of Midwifery Services in Jamaica”. (J\$484,400.00.)
- A small grant from Capital University enabled Dr. Laurel Talabere, Professor of Nursing and former Fulbright Scholar to join DANE’s staff April 27-May1, 2004, to develop proposals for asthma and papaya studies.
- Hosting the Annual UWI Nursing Midwifery Research Conference and Mary Seivwright Day- theme “Nurses Challenging Health Issues Through Research”, May 13 and 14, 2004. This attracted eight hundred and twenty three (823) nurses and earned approximately (J\$1,000,000). Links by videoconference were made to three sites on the UWI Mona Campus. A feature of this conference was the launch of the distinguished Mary Jane Seivwright Lecture by Dr. Carol Baxter, Professor of Nursing, Middlesex University and a Visiting Professor to the UWI, May 10-22, 2004, who gave the conference keynote address, also a public lecture on “Multiracial issues in health care: A British Perspective” and two seminars on workforce issues in nursing and health care.
- An initiative by Dr Beverly Bonaparte, Fulbright Scholar designate to DANE 2004-05, commenced a research collaborative relationship between DANE and Dr. Loretta Sweet Jemmott, a noted nurse scientist in HIV/AIDS research from the University of Pennsylvania May 19, 2004.

Drs. John Jemmott and Loretta Sweet Jemmott will lead a research team to DANE August 30-31, 2004 to initiate a behavioural intervention study the "Jamaica Adolescent Health Promotion & HIV/AIDS Risk Reduction Project". Having achieved efficacy of HIV/STD prevention interventions among African American and mainland Puerto Rican adolescents, the Jemmotts are applying it in Barbados and South Africa and extending it to Jamaica. A proposal will be submitted to the National Institutes of Health, January 2005 with DANE staff as Co-Investigators.

### **Other Developments**

Plans are in progress to rename DANE the UWI School of Nursing.

The Annual Departmental Retreat was held July 1-2 & 5-7, 2004. The External Examiner participated in the first day of the retreat allowing faculty to share mutually beneficial experiences.

Three framed Eddie Minnis water colour paintings, gifts from Bahamian past students along with the photographic collage of some past students were featured in the Arts Section of the Sunday Gleaner, March 28, 2004.

Mrs. Yvonne Wint received a Long Service Award for over 25 year's service to the Government of Jamaica November 19, 2003.

Dr. Hewitt received the Order of Distinction (Officer Class) for contribution to nursing education October 20, 2003 and an award for 15 years service to UWI, December 16, 2003.

### **RESEARCH IN PROGRESS**

**Use of Carica papaya in treating chronic skin ulcers-** a multi-phased study investigating: prevalence of nurses' use of papaya fruit in treating chronic skin ulcers; antibacterial activity of ripe and unripe Carica papaya on wound microorganisms; pharmacologic action and patency process; clinical trial comparing contemporary treatment versus the papaya, and developing algorithm for wound care based on best practice. Collaborators: Basic Medical Sciences, Microbiology and Capital University, USA.

**Asthma in Jamaica-** a multi-phased study with collaborators from the Ministry of Health, University Hospital of the West Indies, Bustamante Hospital for Children, Capital University, USA and the University of Pennsylvania, USA. DANE is taking the lead in conducting a national asthma prevalence study prior to studying quality of life and outcomes of patient education.

**Midwifery Services Profile in the Americas and Jamaica as a Case Study in Midwifery Services-** collection of baseline information on nursing/midwifery services and practices in Jamaica. Information about midwifery services will be used to orient PAHO's future support to countries to enhance the contribution of midwifery services to maternal and child health and well being. Funded by PAHO/WHO J\$484,400.00.

**Evaluation of the Regional Examination for Nurses Registration-** A Regional Nursing Body project, funded by CARICOM, commenced July 2003. Co-investigators: Mrs. Syringa Marshall-Burnett and Dr. Paula Marks.

## **PAPERS PRESENTED**

- **Bailey E,** Hewitt H, Hepburn–Brown C, Lopez , S. “Reasons for nurses’ resignation from agencies in selected CARICOM countries” oral presentation, Annual Nursing Midwifery Research conference, May 14, 2004.
- **Hepburn-Brown C,** Hewitt H, Lopez S, Bailey E. “The status of clinical preceptors/supervisors for nursing education in the Caribbean Schools of Nursing”, oral presentation, Annual Nursing Midwifery Research conference, May 14, 2004.
- **Duff, E,** O'Connor A, McFarlane-Anderson, Wint, Y., Bailey, E. & Wright-Pascoe R., oral presentation “Nutritional status, self-care practices and glycaemic control on with diabetes mellitus” at the Caribbean Health Research Council (CHRC) Scientific meeting, Grenada, April 22-24, 2004 also as a poster at the FMS conference November 2003.
- **Duff, E.,** “Nursing research at the UWI” oral presentation at the 19th Annual Caribbean Cardiology Society conference, St. Lucia, July 14, 2004.

- **O'Connor A**, McFarlane-Anderson N, Duff EMW, Wright-Pascoe R. "Risk assessment in adults with diabetes mellitus" Medical Research conference, November, 2003 and UDOP Diabetes conference, March 5-7, 2004.
- **Kahwa, E.**, Sargeant LA, McCaw-Binns A, McFarlane-Anderson N, Smikle MF, Forrester TE, Wilks R. "Anticardiolipin antibodies in Jamaican Primiparae", CHRC, Grenada, April 21, 2004 and Nursing Midwifery Research conference, May 14, 2004.

**Hewitt, H.**

- "Nursing education programmes at the UWI with special reference to graduate programmes"; and "Recruitment, retention and valuing nursing" 32nd Executive and Education Committees meeting of the Regional Nursing Body, Rosseau, Dominica, November 26-28, 2003 respectively;
- "Honouring the past, creating our future through service, education and research" 44th Reunion of the UHWI League of Graduate Nurses Reunion conference, the Renaissance Jamaica Grande Hotel, October 4, 2003.
- "Caring and Integrity: Imperatives for Professional Nursing Practice" graduation ceremony for registered nurses and midwives of the Cornwall School of Nursing, Montego Bay, December 12, 2003.
- "Contribution of nursing to health development" Panel presentation, the International Nurses' Conference on Managed Migration, Bridgetown, Barbados, February 23, 2004.
- "Contributions of nursing leaders in the development of nursing in the Caribbean post WWII" British Virgin Islands (BVI) and United States Virgin Islands (USVI) University May 5 and 6, 2004 respectively.
- "Clinical career ladder within the Caribbean nursing system", Paramaribo, Suriname May 29, 2004;
- "Development of post graduate programmes at the UWI" at the 19th Annual Caribbean Cardiology Society conference, St. Lucia, July 14, 2004.

- “Branching out: integrating distance education to help manage the migration of nurses in the Caribbean”, **Hewitt, H.**, Branch, J., Bailey, E., Hepburn-Brown, C. & Lopez, S. International Nurses’ Conference on Managed Migration, Barbados, February 23, 2004.
- “Caribbean-Canadian partnership on nursing education and retention, and health human resource planning and management” **Hewitt, H.**, Griffin, P., O’Keefe, C. & Hincks, S. International Nurses’ Conference on Managed Migration, Bridgetown, Barbados, February 23, 2004.
- **Lopez, S.**, Hewitt, H., Bailey E. & Hepburn-Brown, C. “Assessment of resources for the training needs of registered nurses in selected CARICOM countries”, Nursing Midwifery Research conference May, 2004.
- **Lopez, S.** Eldemire-Shearer D. LaGrenade, J. & Barton, E. “Perceived social support of patients with end stage renal disease on haemodialysis”, poster presentation at CHRC conference, Grenada, April 23-25, 2004.
- **Marshall-Burnett, S.** “Partners in nation building: The Role of Women Parliamentarians in achieving the United Nations Millennium Development Goals”, oral presentation at the Bangladesh China Friendship Centre, October 10, 2003.
- “Recognition and value of nurses and nursing” the International Nurses’ Conference, Barbados, February, 23, 2004, Barbados; “Inaugural Mary Seacole” lecture, Barbados Registered Nurses Association conference, May 12, 2004.
- **Stewart, H.** “Parenting” Sons and Daughters Church of God young peoples’ service, Portmore, May, 2004.
- **Weaver, S.** “Spirituality in Jamaica” Panel Discussion aired on the programme Jamaican Voices, September 15, 2003.
- **Wint, Y.**, Duff, M., O’Connor, A., Anderson, N., & Bailey, E. “Knowledge and self reported motivational factors in adults with diabetes mellitus” oral presentation Faculty of Medical Sciences Research Day and poster presentations at UWIDOP conference, Jamaica Grande, March 5-7, 2004 & the CHRC, Grenada, April 23-25, 2004.

## **PUBLICATIONS**

### **Refereed**

- \* “Six- month hypertension intervention project: One year follow-up”. E M Duff, R Wilks. *West Indian Medical Journal* 53, 3 (2003): 219-222.
- \* “Effects of the Carica papaya fruit on common wound organisms”. G Dawkins, HH Hewitt, YB Wint, P Obiefuna, B Wint. *West Indian Medical Journal*. 52, 4 (2003), 290-292.
- \* “Chairmen of the Nursing Council 1952-2002 and their profiles”. H H Hewitt, *The Jamaican Nurse* 41,1-3(2003)15-50.
- \* “Profiles-Registrars of Nursing Council- Mrs. Theresa Boyne”. H H Hewitt. *The Jamaican Nurse* 41, 1-3(2003):56-59.
- \* “Nursing Council members through the years”. H H Hewitt. *The Jamaican Nurse* 41, 1-3 (2003): 62-70.
- \* Editorial and Foreword”. SA Marshall-Burnett. *The Jamaican Nurse* 41, 1-3(2003):3-5.
- \* “Profiles-Registrars of Nursing Council – Miss Julie Symes & Mrs. Thelma Deer Anderson” SA Marshall-Burnett. *The Jamaican Nurse* 41, 1-3(2003):51-55 & 60.

## **PUBLIC SERVICE**

### **Mrs. Ellen Bailey:**

- Executive member, the University Hospital of the West Indies Graduate League of Nurses;
- Co-Chair, Nurses Association of Jamaica (NAJ) Student Nurses’ Award Committee;
- Member Editorial Committee, The Jamaican Nurse.

### **Dr. Marilyn Duff:**

- Member, the Nursing Council of Jamaica Research Committee;

**Dr Eulalia Kahwa:**

- Member, Jamaican Nurse Committee

**Mrs. Ceres Hepburn-Brown:**

- Panelist, NAJ Student Nurses' Award

**Miss Sheryll Lopez:**

- Member, Board of Directors the Heart Foundation of Jamaica,
- Member of the NAJ Student Nurses' Award Committee

**Mrs. Syringa Marshall-Burnett:**

- President, Senate of Jamaican Parliament,
- Member Commonwealth Parliamentary Association (CPA), leading Jamaican delegation to CPA conference, Dhaka, Bangladesh, October 4-12, 2003;
- Executive member, National Executive Committee of the PNP;
- Member, Nursing Council of Jamaica,
- Board Chairman, NAJ Golden Retreat Retirement Home

**Dr. Hermi Hewitt:**

- Member, the Nursing Council of Jamaica Research Committee;
- Executive Board member, Internal Academic Nursing Alliance;
- Executive Board member, Excelsior Community College Academic Board;
- Executive Board member, University Hospital of the West Indies Nursing School Advisory Committee;
- Executive member, University Hospital of the West Indies Graduate League of Nurses.

**Dr. Hemsley Stewart:**

- President, NAJ Credit Union's Board of Directors,
- Member, National Council on Drug abuse;



- Member, National Examination Committee, Nursing Council of Jamaica;
- Member, NAJ Student Nurses' Award Committee.

**Dr Steve Weaver:**

- Member, Nursing Council of Jamaica Research Committee;
- Member, NAJ Student Nurses' Award Committee.

**Mrs. Yvonne Wint:**

- Member, Editorial Committee, The Jamaican Nurse.

## CATEGORIES OF STUDENTS

The certificate programmes in nursing administration and nursing education were offered for the last time in the academic year 2003-04. These specialties are now offered as post graduate degrees. The BScN (post RN), introduced 1983 was revised and restructured to provide wider access for practicing registered nurses with certificates in nursing to receive a degree in nursing. Consequently the enrollment for the programmes in their traditional form was less than in the previous years. The severe shortage of nurses in the Caribbean prevented suspension of those programme offerings. DANE had 123 students, 74 undergraduates and 49 graduates as follows:

### 1. Undergraduate Students

Category of Students	New	Returning	Graduating	Total	Status
Certificate Programmes:	13	1**	12+1**	13**	10 Hons,
Nursing Administration					2 Dist &
Nursing Education					1 repeat
BScN (generic) franchised	37	20	N/A	57	1st & 2nd
at Brown's Town					progressing
Community College					to 3rd year
BScN (post RN)	NA	3+1*	2	4	1 upper
					second
					class, *1
					pass; 2
					repeat
<b>TOTAL Undergraduates</b>	<b>50</b>	<b>25</b>	<b>(15)</b>	<b>74</b>	
* 2001-02 class; ** 1996-97 class					

## 2. Post Graduate Students

Category of Student	New	Returning	Total	Graduating	Status
MScN (Nursing Admin. & Nursing Education)	19	8 +1*	27+1*	21+1*	8 Dist. 13+1* Passes 1 incomplete 5 Part-time continuing
MScN (Family nurse practitioner and Psychiatric Mental Health Nurse practitioner)	16	7	23	6 15 progressing to 2nd year 1 part-time discontinued	1 Dist 5 Passes 1 incomplete
<b>Total postgraduates</b>	<b>35</b>	<b>15+1*</b>	<b>50+1*</b>	<b>(27+1*)</b>	<b>49</b>

\*repeat student from 2002-03 class

## DEPARTMENT OF BASIC MEDICAL SCIENCES

**Oswald R. Simon, BSc (*Lond*), MSc (*CNAA*), PhD (*Howard*)**  
– Head of Department

### WORK OF THE DEPARTMENT



**I**t has been a challenging year for the Department of Basic Medical Sciences. Many of these challenges arose from the implementation of new courses and a new programme without increase in funding for operating expenditure as well as the total lack of funding for capital expenditure. The department was therefore confronted with the problem of rationalizing its inadequate budget to ensure that at least a minimum amount of materials and equipment were available to deliver the courses and programmes at universally acceptable standards. However, the poor condition of the laboratories and lecture theatres continues to hamper the attainment of a truly student-centered environment for the delivery of our courses and programmes.

Nevertheless, the harmful impact of these deficiencies on the delivery of our courses and programmes was minimized by actions taken by the Department's Management Committee to prioritize the allocation of the budget in such a manner that facilitated a reasonable level of satisfaction in terms of material acquisition for the operation of all Sections of the department. But, these measures required frustrating and untenable compromises from each Section. Therefore, to ensure the maintenance of good academic standards and a high level of staff enthusiasm, the Department's operating and capital budget should be adequately funded. Hopefully, such improvement in funding would be implemented in the next academic year.

Despite the budgetary shortfall, the outcomes from the work of the Department were satisfactory. For example, the BBMed.Sc.(majors) degree programme and a Plant Biochemistry course were successfully implemented. There was also the successful completion of the first cycle of the BMed.Sc. degree programme for medical students. These successes resulted mostly from improvement in staff delivery of lectures as reflected in the high level of students' satisfaction in the assessment of courses and lectures.

Other departmental academic offerings which enjoyed successes include the Biochemistry courses for Pure and Applied Science students and the Physical Therapy degree programme.

Better results were obtained from our postgraduate degree programmes as reflected in the increased receipt of research grants for students as well as increased overseas Research presentations and the acquisition of research experience from brief periods of attachment by students at Universities in the USA, Canada and Britain. All of these activities have enhanced the Department's visibility and they will certainly increase the output of publications and postgraduate degrees awarded by the department.

Credit for the academic output from the department must also go to the non-academic staff members who have given sterling contributions to the work of the department as well as to their personal academic achievements. With respect to the latter, recognition must be given to Scientific Officer, Winston Young, who was awarded the MPhil degree in Biochemistry, and Hopeton Marshall, Technologist, who was awarded the BSc. Degree (Upper second class Honours) in Psychology. We have also embarked on enhancement of this assistance by sending our technologists for brief periods of training at Laboratory equipment Manufacturers so that they may be able to undertake routine maintenance of equipment acquired by the department.

## **STAFF AWARDS**

### **Dr. Anthony D'Souza**

- An award was received from the Curriculum Development Unit, Faculty of Medical Sciences, UWI, to attend a course on "Good ideas about Medical Education". The course was

held at the Centre for Medical Education, University of Dundee, Scotland.

**Dr. Maxine Gossell-Williams**

- Received a Fulbright Fellowship to undertake research at the University of North Carolina, USA.
- Received an award from the Jamaica Scientific Research Council for the Young Scientist of the year-2003.

**Dr. Angel Justiz-Vaillant**

- Doctor of Medicine (Alternative Medicines) MD (AM); Awarded by the Indian Board of Alternative Medicine
- Certificate in Alternative Medicine; Awarded by the American Alternative Medical Association.

**Dr. Lisa Lindo**

- Received a Fulbright Fellowship to undertake research at the Colorado State University, USA.

**Dr. Norma McFarlane-Anderson**

- An award was received from the Curriculum Development Unit, Faculty of Medical Sciences, UWI, to attend a course on “Good ideas about Medical Education”. The course was held at the Centre for Medical Education, University of Dundee, Scotland.

**Dr. Wayne McLaughlin**

- Received a Fulbright Fellowship to undertake research at the Virginia Tech. University, USA.

**RESEARCH GRANTS**

**Postgraduate Students in the Department**

- The School for Graduate Studies and Research, UWI, awarded postgraduate students grants totaling US\$61,941.05.

**Prof. H. Asemota, Dr. F. Omoruyi, Prof. E. Morrison (in collaboration with Prof. A. Sotelo-Lopez of the National Autonomous University of Mexico)**

- Received a grant from the Fifth Jamaican-Mexico Binational Commission to undertake research on “Screening, assessment and identification of anti-nutritional factors in selected common Caribbean food crops and spices and to study their consumption in normal and abnormal states”. US\$125,300.00 (grant continuing from 2002).

**Dr. Maxine Gossell-Williams**

- Caribbean Health Research Council (CHRC) grant to investigate “The role of Choline in Pregnancy” – US\$1,697.00.
- Fulbright Visiting Research Fellow grant: US\$9,300.00

**Dr. Norma McFarlane-Anderson**

- New Initiative Fund, Mona Campus, UWI, awarded a grant for research on “Investigation of cervical dysplasia in Jamaican women: Lifestyle and genetic factors”. US\$16,222.00.

**Dr. Wayne McLaughlin**

- New Initiative Fund, Mona Campus, UWI, awarded a grant for the establishment of an independent “Forensic DNA Typing Laboratory”. US\$23,000.00

**Dr. Dalip Ragoobirsingh**

- New Initiative Fund, Mona Campus, UWI, awarded a grant for research on “Molecular signal transduction in Diabetes Mellitus”. US\$12,000.00.

**Dr. Oswald R. Simon**

- A grant was received from the Veterinary Service Division, Ministry of Agriculture, Jamaica, to undertake “Screening of conch meat (for export) to rule out the presence of PSP toxin in compliance with the European Union Regulations”. J\$102,000.00.

**Dr. Paul Singh**

- A grant was received from the UWI, Research and Publication Fund to purchase laboratory equipment. US\$2,157.00.

**Dr. LauriAnn Young-Martin**

- New Initiative fund, Mona Campus, UWI, awarded a grant to purchase laboratory equipment- “Optocomp 1 chemiluminometer”-. US\$9,000.00.

**RESEARCH IN PROGRESS**

**Professor Helen Asemota**

- “Conservation of Biodiversity, Improvement of Production and Exploitation of Tropical Tuber Crops for Sustainable Development”, Biochemistry/Biotechnology/ Molecular Biology.

**Dr. Mark Ashby**

- “Two Component Sensory Transduction in Cyanobacteria” – Molecular Biology.

**Dr. Maxine Gossell-Williams**

- “The Pharmacology of Nutraceutical Compounds”

**Dr. Ruby L. Lindo**

- “Use of Natural Products in the Treatment of Diabetes” – Plant Biochemistry and Endocrinology.

**Dr. Norma McFarlane-Anderson**

- “Genetic and Nutritional Factors in Human Disease” – Biochemistry and Molecular Biology.

**Dr. Wayne McLaughlin**

- “Plant-Microbe Interactions and Molecular Plant Pathology” – Molecular Biology and Biotechnology.

**Professor Omkar Parshad**

- The value of thyroid antibody screening in predicting risk for thyroid dysfunction and postpartum depression – a PhD. project.
- Anti-hyperglycemic effects of the crude aqueous extract of Rice Bitters – An MPhil Project.

- Anti-diabetic properties of Neem Leaf extract on STZ-induced Type II diabetic rats – An MPhil Project.

**Dr. Andrew Pearson**

- “Bioconversion of Agro-Industrial Wastes for Profit” – Agro-Biotechnology and Bio-Remediation.

**Dr. Dalip Raboogirsingh**

- “Molecular Signal Transduction Mechanisms in Diabetes Mellitus” – Biochemistry.

**Professor Harvey L. Reid**

- The effects of iron on abnormal menstrual bleed (menorrhagia).
- The role of haemorheological changes in the development of peripheral vascular disease in diabetes mellitus.
- Trace element status of patients with diabetes mellitus.
- Effects of haemoglobin concentration per trimesters on perinatal outcomes.

**Dr. Oswald Simon**

- “Use of Plant-Derived Products in Immunopharmacology.”

**Dr. Paul Singh**

- “Pharmacology of Apoptosis”

**Professor Manley West**

- “Ethnopharmacology”

**Dr. Andrew Wheatley (in collaboration with Professor Helen Asemota).**

- “Molecular Analyses of Indigenous Caribbean Plant Crops for Economic Development and Health Purposes” – Biochemistry/Biotechnology/ Molecular Biology.

**Dr. Lauriann Young-Martin**

- Gender differences and neuroendocrine regulation of cognition



- Neuroprotective effects of Oestrogen on learning and memory in aged animals
- The combined effects of different stressors and marijuana on behaviour.

## PAPERS PRESENTED

- **Badhado-Singh, P.S., Wheatley, A.O., Morrison, E.Y. St. A., Ahamad, H., and Asemota, H.N.** “The effect of different food processing methods on the total sugar content and the glycemic response of some West Indian foods.” BioScience 2004 Annual Conference, Scotland Exhibition Conference Center, Glasgow, United Kingdom. July 18 - 22, 2004.
- **Badhado-Singh, P.S., Wheatley, A. O., Morrison, E.Y. St. A., Ahamad, H., and Asemota, H.N.** “Investigation of the effect of food processing in the Glycemic Indices of some Jamaican foods: A proactive approach to management of Type II Diabetes Mellitus.” The 10th Annual International Diabetes Conference. Renaissance Jamaica Grand Resort, Ocho Rios, Jamaica. March 4 – 7, 2004.
- **Badhado-Singh, P.S., Wheatley, A.O., Asemota, H.N., and Morrison, E.Y. St. A.** “Glycemic indices of selected food crops of the Caribbean: Implications for the management of diabetes.” HUPO 2nd Annual and IUBMB XIX Congress, Montreal, Canada. October 8 – 11, 2003.
- **Crawford-Brown, Tazhmoye.** “The Privatization of the Jamaica Public Service Company: A Governance and Public Policy Perspective.” 29th Annual Caribbean Studies Association Conference. The Marriott Resort, Basseterre, St. Kitts. May 31 – June 3, 2004.
- **Dilworth, L.L., Omoruyi, F.O., Simon, O., Morrison, E.Y. and Asemota, H.N.** “Hepatic carbohydrate and lipid metabolizing enzymes and the transaminases in rats fed phytic acid extract from sweet potato (*Ipomea Batatas*).” 49th Annual Caribbean Health Research Council. St. Georges, Grenada. April 22 – 24, 2004.
- **Dilworth, L., Omoruyi, F.O., Morrison, E.Y. and Asemota, H.N.** “Hepatic carbohydrate and lipid metabolizing enzymes and the transaminases in rats fed phytic acid extract

- from sweet potato (*Ipomea Batatas*).” The 10th Annual International Diabetes Conference. Renaissance Jamaica Grand Resort, Ocho Rios, Jamaica. March 4 – 7, 2004.
- **Dilworth, L., Omoruyi, F.O., Simon, O., Morrison, E.Y., and Asemota, H.N.** “Effects of Phytic Acid Extract from Sweet Potato (*Ipomea Batatas*) on Blood Glucose and Loss of Zinc and Iron on the Faeces of Rats.” 17th Annual Conference on Science and Technology. Science and Technology for Economic Development: Technology Driven Agriculture and Agro-processing. Knutsford Court Hotel, New Kingston, Jamaica. November 19 – 22, 2003.
  - **Dilworth, L.L., Omoruyi, F.O., Morrison, E.Y., and Asemota, H.N.** “Effects of consumption of phytic acid extract from sweet potato (*Ipomea Batatas*) on some digestive enzymes, blood glucose and lipid distributions in rats.” HUPO 2nd Annual and IUBMB XIX Joint World Congress, 2(9), Program Supplement, Palais des Congres, Montreal, Canada. October 8 – 11, 2003.
  - **Dilworth, L.L., Omoruyi, F.O., Simon, O., Morrison, E.Y., and Asemota, H.N.** “Effects of phytic acid extract from sweet potato (*Ipomea Batatas*) on Blood Glucose and loss of Zinc and iron on the faeces of rats.” 17th Annual National Conference on Science and Technology. Knutsford Court Hotel, New Kingston, Jamaica, November 19 – 22, 2003.
  - **Earle-Barrett, S., Wheatley, A.O., Asemota, H.N., and Lobban, K.** “Study of biodiversity within Jamaican yam (*Dioscorea* spp) using Random Amplified Polymorphic DNA (RAPD) and Amplified Fragment Length Polymorphism (ALFP).” HUPO 2nd Annual and IUBMB XIX Congress, Montreal, Canada. October 8 – 11, 2003.
  - **Lobban, K.S., Wheatley, A.O., Golden, K., and Asemota, H.N.** “Investigation of polyphenol oxidase changes associated with the in vitro propagation of *Dioscorea alata* cv. sweet yam.” 17th Annual National Conference on Science and Technology. Knutsford Court Hotel, New Kingston, Jamaica, November 19 – 22, 2003.
  - **Lobban, K.S., Wheatley, A.O., Golden, K., and Asemota, H.N.** “Investigation of the biochemical changes associated with ex vivo and in vitro developmental processes in

- Dioscorea spp.” HUPO 2nd Annual and IUBMB XIX Congress, Montreal, Canada. October 8 – 11, 2003.
- **McLaughlin, Wayne** “Applications for Biotechnology in Jamaica and the Caribbean.” Workshop on Scientific and Technological Development in the Americas. Quito, Ecuador. December 10 – 12, 2003.
  - **McLaughlin, Wayne** “Technology of genetically modified foods.” University Research Consortium Hosted by the University of Technology, Kingston, Jamaica. December 4, 2003.
  - **Omoregie, S., Devi-Prasad, P., Osagie, A., and Asemota, H.N.** “Intraspecific genetic diversity in yam expressed through DNA fingerprinting random primed PCR analysis.” ASMB Meeting and 8th IUBMB Conference. Boston, Massachusetts, USA. June 12 – 16, 2004.
  - **Powell, M., Wheatley, A.O., Tennant, P., Omoruyi, F., Asemota, H.N., Gonzalves, D., and Ahmad, M.H.** “Rat intestinal transport enzymes: Effect of the consumption of transgenic papaya (*Carica Papaya* L.).” HUPO 2nd Annual and IUBMB XIX Congress, Montreal, Canada. October 8 – 11, 2003.
  - **Reid, Harvey L.** “Applied Physiology of the Respiratory System.” 26th Annual Conference of the Jamaican Association of Nurse Anaesthetists and the Critical Care Special Interest Group. Starfish Trelawny Resort, Trelawny, Jamaica. November 7 – 9, 2004.
  - **Riley, C.K., Wheatley, A. O., Adebayo, A. S., Ahmad, M.H. and Asemota, H.N.** “Industrial exploitation potential of native Jamaican yam (*Dioscorea* sp) starches in tablet formulation for diabetes: Effect of amylase content and digestibility.” ASBMB Annual Meeting and 8th IUBMB Conference. Boston, Massachusetts, USA. June 12 – 16, 2004.
  - **Riley, C.K., Wheatley, A. O., Ahmad, M.H. and Asemota, H.N.** “The relationship between Amylose Content and some Rheological properties of starches from five Jamaican yams (*Dioscorea* sp).” The 10th Annual International Diabetes Conference. Renaissance Jamaica Grand Resort, Ocho Rios, Jamaica. March 4 – 7, 2004.

- “Microscopic properties of Yam (*Dioscorea* sp) starches implications for industrial application.” Northern Caribbean University Annual Science Symposium. Mandeville, Manchester. April 20, 2004.
- “The relationship between Amylose Content and some Rheological properties of starches from five Jamaican yams (*Dioscorea* sp).” 17th Annual National Conference on Science and Technology. Knutsford Court Hotel, Kingston, Jamaica. November 29 – 22, 2003.
- “The relationship between amylase content and some rheological properties of starches from five Jamaican yams (*Dioscorea* spp).” 17th Annual National Conference on Science and Technology.
- “The relationship between amylase content and some rheological properties of starches from five Jamaican yams (*Dioscorea* spp).” 17th Annual National Conference on Science and Technology. Knutsford Court Hotel, New Kingston, Jamaica. November 19-22, 2004. Proceedings from the Scientific Research Council Book of Abstracts: 25.
- **Riley, C.K., Wheatley, A.O., Hassan, I., Ahmad, M.H., Morrison, E.Y. St. A., and Asemota, H.N.** “X-ray crystallographic and scanning electron microscopic analysis of starches from five yam (*Dioscorea* spp.) varieties grown in Jamaica.” HUPO 2nd Annual and IUBMB XIX Congress, Montreal, Canada. October 8 – 11, 2003.
- **Wheatley, A.O., Riley, C.K., Bahado-Singh, P.S., Smith, T.M., Asemota, H.N., and Morrison, E.Y.** “Relationship between amylase content and the in vitro digestibility and glycemic index of some Jamaican yam (*Dioscorea* spp.) starches. Diabetes and Metabolism, Vol. 29, 4S198.”
- **Wissart, J., Kulkarni, S., and Parshad, O.** (2004). “Status of Thyroid Gland in pregnancy and its relation to postpartum depression.” 49<sup>th</sup> Annual Caribbean Health Research Council. St. Georges, Grenada. April 22 – 24, 2004.

## PUBLICATIONS

### Refereed

- \* **Asemota, H., Omoruyi, F., McAnuff, M., Dilworth, L., Harding, W., Jacobs, H., McFarlane-Anderson, N., Ahmad, M., and Morrison, E.Y.** (2003). "Analyses of Natural Products in Jamaican Tuber Crops: The need for Biotechnological Exploitation." *Jamaica Journal on Science and Technology*, 14, 3-8.
- \* **Ashby, Mark K.** (2004). "Survey of the number of two-component response regulator genes in the complete and annotated genome sequences of prokaryotes." *FEMS Microbiology Letters* 231:277-281.
- \* **Bazuaye, P., Fletcher, H., McFarlane-Anderson, N.** (2004). "Lifestyle and cervical dysplasia in Jamaica." *Int. J. Gynecology and Obstetrics* 84: 175-177.
- \* **Brown, V.M.D., Asemota, H.N., Thangavelu, M. and Mantell, S.H.** (2003). "Genetic Variation among Dasheen (*Colocasia sp.*) and Cocoyam (*Xanthosoma sp.*) grown in Jamaica by PCR-based analyses." *Jamaican Journal of Science and Technology* 14: 67-78.
- \* **Dilworth, L.L., Omoruyi, F.O., Simon, O., Morrison, E.Y., and Asemota, H.N.** (2004). "Hypoglycaemia and faecal minerals in phytate fed rats." *Nutrition and Food Science*, 34(2), 60-64.
- \* **Gray, M., Singh, P.** (2003). "Investigation of the effects of Manilkara Zapota (L) P. Van Royer on blood pressure and heart rate of rats in Advancing Caribbean Herbs in the 21st Century." Proceedings of the sixth International Workshop on herbal medicine in the Caribbean, pp 21-25. Published by UWI, St. Augustine, Trinidad and Tobago.
- \* **McAnuff, M.A., Omoruyi, F.O., Morrison, E.Y., and Asemota, H.N.** (2003). "Hepatic function enzymes and lipid peroxidation in streptozotocin-induced diabetic rats fed Bitter Yam (*Dioscorea Polygonoides*) steroidal sapogenin extract." *Diabetologia Coratica*, 32(1), 17-23.

- \* **McAnuff, M.A., Omoruyi, F.O., Gardner, M., Asemota, H.N., and Morrison, E.Y.** (2003). "Alterations in intestinal morphology of streptozotocin-induced diabetic rats fed Jamaican bitter yam (*Dioscorea Polygonoides*) sapogenin extract." *Nutrition Research*, 23(11), 1569-1577.
- \* **McKoy, M., Omoruyi, F., Simon, O., and Asemota, H.** (2004). "Investigation of the effects of a sapogenin rich preparation from a Jamaica yam (*Dioscorea sp.*) on blood cholesterol levels in rats." *Proceedings of the Western Pharmacology society* 46: 156-159.
- \* **Omoruyi, F., McAnuff, M., Dilworth, L., Morrison, E., and Asemota, H.** (2004). "Exploitation of Jamaican tuber crops for natural products utilization." *Science, Technology and Innovation, University of the West Indies*, 33-36.
- \* **Pepple, D.J., Mullings, A.M., and Reid, H.L.** (2004). "Increased incidence of adverse perinatal outcome with low maternal blood viscosity in pre-eclampsia. *Clin. Hemorheol. Microcirc.* 30(2): 127-131.
- \* **Ragoobirsingh, D., McGrowder, D., Dasgupta, T., and Brown, P.** (2004). "The effect of nitric oxide in glucose metabolism." *J. Mol. Cell. Biochem.* xx: 1-6.
- \* **Riley, C.K., Wheatley, A.O., Hassan, I., Ahmad, M.H., Morrison, E.Y.St.A., and Asemota, H.N.** (2004). "In vitro digestibility of raw starches extracted from five yam (*Dioscorea sp.*) grown in Jamaica." *Starch/Starcke* 56(2): 69-73.
- \* **Roye, M.E., Brown, S., Spence, J.D., Smith, K., and McLaughlin, W.** (2003). "Ten years of Molecular Biology on whitefly-transmitted geminiviruses from Jamaica: A Review." *Jamaica Journal of Science and Technology* 14: 98-118.
- \* **Tolan, I., Ragoobirsingh, D., and Morrison, E.Y.** (2004). "Extraction and purification of the hypoglycaemic principle in bird pepper." *Phytotherapy Research* 18: 95-96.
- \* **Wheatley, A.O., Osuji, G., Ahmad, M.H., and Asemota, H.N.** (2003). "Maximizing the use of challenged environments: Development of salt tolerant in vitro yam

(Dioscorea Alata) Plantlets.” *Jamaican Journal of Science and Technology* 14: 46-57.

- \* **Wheatley, A.O., Ahmad, M.H. and Asemota, H.N.** (2003). “Development of salt adaptation in in vitro greater yam (*Dioscorea alata*) plantlets.” *In Vitro Cell. Dev. Biol. – Plant* 39(3): 346-353.
- \* **Wheatley, A.O., Ahmad, M.H., and Asemota, H.N.** (2003). “A comparison of the storageability of in vitro derived and traditionally produced yam (*Dioscorea cayenensis*) tubers.” *Jamaican Journal of Science and Technology* 14: 40-45.

## PUBLISHED ABSTRACTS

- \* **Bahado-Singh, P.S., Wheatley, A.O., Morrison, E.Y.St.A., Ahmad, M.H., and Asemota, H.N.** (2004). “Investigation of the effect of food processing on the glycemic indices of some Jamaican foods: A proactive approach to the management of Type II Diabetes Mellitus.” *West Indian Medical Journal*. 53 (Suppl 1): 45.
- \* **Bahado-Singh, P.S., Wheatley, A.O., Asemota, H.N., and Morrison, E.Y.St.A.** (2003). “Glycemic indices of selected food crops of the Caribbean: Implications for the management of diabetes.” *Molecular and Cellular Proteomics*, Vol. 2, No. 9. p. 881.
- \* **Cohall, D.H., and Singh, P.D.A.** (2004). “The cytotoxic effect of plant extract PDA316 on yeast (*saccharomyces cerevisiae*) and its potential anticancer properties on spontaneous mammary tumours in Sprague Dawley Rats.” *WTMJ*, 53 (Suppl. 2): 53.
- \* **Dilworth, L.L., Omoruyi, F.O., and Asemota, H.N.** (2004). “Intestinal enzymes and bone minerals in rats fed phytic acid extract from sweet potato (*Ipomea Batas*). the *FASEB Journal*, 18(8); C44. Abstracts, 1.1-147.3.
- \* **Dilworth, L., Omoruyi, F.O., Simon, O., Morrison, E.Y., and Asemota, H.N.** (2004). “Effects of sweet potato (*Ipomea Batatas*) phytic acid extract on blood glucose, liver function

enzymes and faecal mineral loss: A case study with rat model.”  
*West Indian Medical Journal*. 53: (Suppl. 1): 45-46.

- \* **Duff, E.M.W., O'Connor, A.O., McFarlane-anderson, N., Wint, Y.B., Bailey, E.Y., and Wright-Pascoe, R.** (2004). “Nutritional status, self-care practices, and glycaemic control in adults with diabetes mellitus.”
- \* **Earle-Barrett, S., Wheatley, A.O., Asemota, H.N., and Lobban, K.** (2003). “Study of biodiversity within Jamaican yam (*Dioscorea spp*), using Random Amplified Polymorphic (RAPD) DNA and Amplified Fragment Length Polymorphism (ALFP).” *Molecular and Cellular Proteomics*, Vol. 2, No. 9, p. 900
- \* **Gossell-Williams, M., Simon, O., Melville, T., Evans, R.** (2004). “An aqueous extract from the bark of fagara martinicensis shows selective stimulation of  $\alpha 1$ -adrenergic receptors. 2004 Experimental Biology meeting abstracts (accessed at <http://www.biosis-select.org/faseb/index/html>).  
*The FASEB Journal*, 18, Abstract #650.9.
- \* **Gossell-Williams, M., Davis, A., and O'Connor, N.** (2003). “The nutraceutical value of pumpkin seed oil: inhibition of the growth of rat prostate.” *Science and Technology Economic Development: Technology Driven Agriculture and Agro-processing*.
- \* **Kahwa, E.K., Sargeant, L.A., McCaw-Binns, A., McFarlane-Anderson, N., Smikle, M.F., Forrester, T.E., and Wilks, R.J.** (2004). “Anticardiolipin antibodies in Jamaican Primiparae.”
- \* **Levy, A.S., Simon, O.R.** (2004), “Effects of ginger oil on the early stages of Freund's Adjuvant Arthritis in rats.” 2004 Experimental Biology meeting Abstracts. *The FASEB Journal*, 18, Abstract #650.2.
- \* **Lobban, K.S., Wheatley, A.O., Golden, K., and Asemota, H.N.** (2003). “Investigation of polyphenol oxidase change associated with the *in vitro* propagation of *Dioscorea Alata* cv. sweet yam.” 17th Annual National Conference on Science and Technology. Science and Technology for Economic



Development: Technology Driven Agricultural and Agro-processing. p. 25.

- \* **Lobban, K.S., Wheatley, A.O., Golden, K., and Asemota, H.N.** (2003). "Investigation of the biochemical changes associated with *ex vivo* and *in vitro* developmental processes in *Dioscorea* spp." *Molecular and Cellular Proteomics*, Vol. 2, No. 9, p. 773.
- \* **McKoy, M.G., Omoruyi, F.O., Asemota, H.N., and Simon, O.R.** (2004). "Evaluation of toxicological effects of a sapogenin-rich yam (*Dioscorea* sp). Preparation with potential for treating hypercholesterolemia." *The FASEB Journal*, 18(5); A999. Abstracts Part II, 480.1-860.14.
- \* **McLeod, K., Ebanks, W.O., and Pearson, A.G.M.** (2003). "Distillery effluent as a substrate for microbial growth" Proc. Scientific Research Council of Jamaica, 17<sup>th</sup> Conference 2003.
- \* **O'Connor, A.O., McFarlane-Anderson, N., Duff, E.M.W., and Wright-Pascoe, R.** (2004). "Risk Assessment in adults with diabetes mellitus.
- \* **Omoruyi, F.O., McAnuff, M.A., Morrison, E.Y., Asemota, H.N.** (2003). "Exploitable potentials of sapogenin extract from Jamaica bitter yam (*D.polygonoides*) in the management of diabetes mellitus." *West Indian Medical Journal*, 52: (Suppl. 2): 38-39.
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## **PUBLIC SERVICE**

### **Professor Helen Asemota**

- International Consultant for Biotechnology to the Republic of Tajikistan, United Nations' Food and Agriculture Organization (UN-FAO).
- International Proxy Parents (IPP) Education Committee, Scholarship Liaison Officer, Jamaica.
- Project Co-ordinator, Jamaica-Mexico Bi-national Commission Technical Cooperation Project (the Anti-nutritional Factors' Project – Phase II).
- International Consultant for Biotechnology, to the Republic of Tajikistan

### **Tazhmoye Crawford-Brown**

- Member, Consumer Advisory Committee for public utilities in Jamaica

### **Dr. Norma McFarlane-Anderson**

- CAFFE Observer, General and Local Elections
- Member, International Proxy Parents, Education Committee
- Session Chairman, 17th Annual National Conference on Science and Technology and Exposition, November 2003.

### **Dr. Wayne McLaughlin**

- Member, National Co-ordinating Committee (NCC) of the National Bio-Safety Framework Project-UNEP-Global Environment Framework (GEF).

- Member, Jamaica Journal Editorial Committee
- Member, PROCICARIBE – CAPGERNet Working Group (Plant Genetic Resources)
- Member, National Commission on Science and Technology, Jamaica – Bio-Safety Committee.

**Professor Omkar Parshad**

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

**Dr. Dalip Ragoobirsingh**

- Consultant, Diabetes and Metabolism: Diabetes Association of Jamaica.
- Consultant, Diabetes Educator – International Diabetes Federation, Brussels, Belgium.

**Dr. Oswald Simon**

- Observer, Technical Advisory Committee for the CARICOM Drug Testing Laboratory.

**Dr. Paul Singh**

- Member, Poison Information Network Management Committee of the University of Technology, Jamaica, Environmental Health Foundation.

**Dr. Andrew Wheatley**

- Deputy Mayor, Spanish Town
- Vice Chairman, St. Catherine Parish Council
- Councillor, Naggo Head Division
- Member, Optimist Club of Braeton
- Reviewer, Journal of Food Science
- Board Member, International Cannabis Research Institute

## CATEGORIES OF STUDENTS

### 1. Undergraduate Degree Programmes

#### a) BSc. Biochemistry Programme:

The following courses were offered to students in the Faculty of Pure and Applied Sciences:

Course Code	No of Registered Students		Pass Rate
	2003/ 2004	No. of Passes	
BC21C	88	75	85%
BC21D	86	85	99%
BC21M	84	83	99%
BC31M	17	17	100%
BC34B	41	36	88%
BC34C	42	41	98%
BC34D	18	17	94%
BC35A	36	35	97%
BC35C	20	20	100%
BC35D	20	20	100%
BC35F	15	14	93%
BC36A	7	7	100%
BC39P	36	34	94%

#### b) B. Med. Sc/MB.BS. – Medical Programme.

In this programme the following courses were offered:

Course Code	No of Registered Students		Pass Rate
	2003/ 2004	No. of Passes	
MB111	116	107	95%
MB222	110	98	89%
MB333 (Final)	105	93	89%
MB333 (Supplemental)	12	10	83%

#### c) B.B. Med. Sc. (with majors in Anatomy, Biochemistry, Pharmacology, Physiology). This new programme was introduced at the beginning of the academic year. The students in the programme are taught simultaneously with the first year of the medical programme. In years 2 and 3,

students specialize in one of the majors listed above. Presently, because of the limitation of available teaching accommodation, only a small number of students was accepted into the programme. However, the number would be gradually increased as teaching accommodation increases. The following are the courses offered in this programme during the academic year under review.

<b>Course Code</b>	<b>No of Registered Students</b>		<b>Pass Rate</b>
	<b>2003/ 2004</b>	<b>No. of Passes</b>	
BM10A	3	3	100%
BM11A	4	4	100%
BM12A	3	3	100%
BM13A	3	3	100%
BM14B	3	3	100%
BM15B	3	3	100%
BM16B	3	3	100%
BM17B	3	3	100%
BM18B	3	3	100%

## **2. Postgraduate Degree Programmes:**

Eighty (80) students pursued the following postgraduate research degrees in the department.

<b>Subjects</b>	<b>Number. of Students Registered in Degree Programmes</b>		<b>Total</b>
	<b>MPhil</b>	<b>PhD</b>	
Anatomy	1	1	2
Biochemistry	32	15	47
Pharmacology	14	6	20
Physiology	8	3	11
<b>Total</b>	<b>55</b>	<b>25</b>	<b>80</b>

Among the registered students as indicated above, the following either had their registration upgraded from M.Phil to Ph.D or they have been awarded postgraduate degrees:

- a) Students whose researches have been upgraded from MPhil to PhD:

<b>Arkene Levy</b>	–	Pharmacology
<b>Sacha Campbell</b>	–	Biochemistry

- b) Students who were awarded postgraduate degrees:

<b>Angel JustizVaillant</b>	–	PhD Biochemistry
<b>Marie McAnuff</b>	–	PhD Biochemistry
<b>Sherline Brown</b>	–	PhD Biochemistry
<b>Idongesit Obiefuna</b>	–	PhD Physiology
<b>Karlene Barrett</b>	–	MPhil Biochemistry
<b>Winston Young</b>	–	MPhil Biochemistry
<b>Janice Wissart</b>	–	MPhil Physiology

## **DEPARTMENT OF COMMUNITY HEALTH & PSYCHIATRY**

**Brendan C. Bain, BSc, MB BS (Hons.), DM, MPH, Dip Med Ed –  
Professor of Community Health & Head of Department**

### **WORK OF THE DEPARTMENT**

#### **Introduction**



**T**his department is responsible for managing and delivering medical undergraduate teaching programmes in Primary Health Care, Preventive Medicine, Public Health and Psychiatry and postgraduate teaching programmes in Public Health, Family Medicine and Psychiatry. In addition, we continue to collaborate with the Department of Sociology, Psychology and Social Work in mounting Masters and Doctoral level programmes in Clinical Psychology. In association with the UWI School of Continuing Studies, we offer training programmes in Pre-Hospital Emergency Care and in Home-based Care of the elderly. A web-based course in Health Services Management developed this year for 3<sup>rd</sup> year medical students at the Mona campus is the first full distance learning course to be offered in the undergraduate programme of the Faculty of Medical Sciences.

The academic staff have a wide repertoire of research interests reflecting the disciplines already mentioned and including the field of Medical Education. Apart from research, an important aspect of the work of the department has always been interfacing with grassroots communities outside of the university and this year's report again illustrates this.

A highlight of the academic year was the breaking of ground for the erection of a new departmental building to allow the expansion of the special programme for research, care, training and advocacy on behalf of the elderly. Additional space in the new building will be used to expand the department's documentation centre and to accommodate a few more members of staff. The building is scheduled to be completed in late 2004.



Members of our department continue to be active collaborators with the Government of Jamaica and with agencies within and outside of the Caribbean, including universities in North America and the United Kingdom. One example of this collaboration is a three-month island wide training programme in contemporary mental health care conducted on behalf of the Jamaican Ministry of Health by a team from the Section of Psychiatry in which approximately 2,300 health workers were reached. The Psychiatry group also continued its long-standing involvement with the National Council for Drug Abuse in Jamaica and this year members of the group helped to design a substance abuse Master Plan for the Jamaican Government. Members of the Psychiatry team have also been participating in a Latin American and Caribbean Network on Mental Health Services Research convened by the Pan American Health Organization.

The department is playing a pioneering role in the UWI HIV/AIDS Response Programme (UWI HARP). This year, UWI HARP explored links with universities in Guyana, Haiti and the Dominican Republic and established a Regional Coordinating Unit as part of the newly launched Caribbean HIV/AIDS Regional Training (CHART) network. CHART has been set up in order to accelerate and improve the training of health professionals in the care, support and treatment of persons with HIV/AIDS. CHART centres are now operating in the Bahamas, Barbados, Haiti and Jamaica with major external technical and financial support.

#### **A. Undergraduate Medical Programme (B.Med.Sci. /MB BS)**

Our academic staff continue to play an active role in designing, teaching and evaluating courses in the Bachelor of Medical Sciences programme. This year, a team from the department led a multidisciplinary group in restructuring the module entitled, "Introduction to Medical Practice.", which was taught to the first two year groups. The revised structure of this module is in keeping with the philosophy of integrated teaching giving medical students early exposure to clinical medicine and patient care. Evaluations conducted at the end of the Semester revealed a very positive response from the students.

On another front, the fourth year undergraduate medical clerkship in Psychiatry underwent further reorganization to stress better doctor/patient communication skills, the development of empathy and ethical considerations in clinical practice. The fourth year medical student clerkship in Community Health again included hands-on, supervised

practice in designing, analyzing and reporting of quantitative research projects.

## **B. Graduate Programmes**

### **1. Section of Psychiatry**

#### *Doctor of Medicine, Psychiatry*

In June 2004, two person were successful in the Part I examinations of the DM (Psych) Examination, two persons passed the DM (Psych) Part II examination, and two persons were successful in the DM (Psych) Part III examination. Dr Judith Leiba was awarded the Eli Lilly Prize for the best Part II candidate.

#### *Master of Science (MSc) in Clinical Psychology*

There were eight graduates in this collaborative programme between the Psychology Unit, Department of Sociology, Psychology and Social Work and the Section of Psychiatry. Three students are completing the Research Paper prior to graduation. The programme, which continues to be in high demand, now has 13 first year and 10 second year students.

#### *Master of Philosophy/Doctor of Philosophy (MPhil. / PhD) in Clinical Psychology*

In the year under review, there was one final year student, one second year student and five first year students in this programme. One student had to pursue four mandatory courses of the M.Sc. Clinical Psychology programme to complete the entry requirements.

#### *Masters Degree in Activity Therapy – proposed new programme*

This programme is still being developed.

#### *Post-Doctoral Fellowship in Child and Adolescent Psychiatry – proposed new programme*

This programme has been proposed as an addition to the existing departmental offerings. It is at an early stage of development.

### **2. Section of Community Health**

#### *Master of Public Health (M.P.H.)*

In November 2003, another group of 25 students graduated with the Master of Public Health degree. Dr James W Lea, Director, INTRAH, School of Medicine, University of North Carolina at Chapel Hill and a

Member of the PAHO Expert Group on Strengthening Public Health Action in the Americas, served once more as External Examiner. Thirty-seven persons were accepted into the 2003-2004 class.

*Master of Philosophy/Doctor of Philosophy (M.Phil. /Ph.D.) in Public Health*

Twelve persons continue to pursue the M.Phil. /Ph.D. (Public Health) degree. Supervisor's Report on these students, giving brief outlines of their progress, are forwarded to the Assistant Registrar, Graduate Studies & Research every 6 months.

*Master of Science/ Doctor of Medicine in Family Medicine*

This was the final year of the first cohort of twelve post-graduate students in the new Master of Science degree programme in Family Medicine. Local family physicians and colleagues from Trinidad & Tobago, Barbados and the Bahamas served as Internal Examiners, while Dr John Wiecha from the Boston University School of Medicine served once more as External Examiner.

Four new students were admitted to the first year of the three-year MSc programme. One student enrolled to read for the DM in Family Medicine for which the MSc is a pre-requisite.

**C. Other courses offered in the Department**

*Course in Community Care of the Elderly*

Twelve students participated in the Year 2004 Regional Course on “Community Care of the Elderly in the Caribbean” which was held from January 19 – June 24, 2004. Eleven participants were from Jamaica, while the twelfth was from St Vincent & the Grenadines. All participants were successful.

*Third Annual Course on Infectious Disease Surveillance and Control in collaboration with University of Alabama at Birmingham.*

This course was held in August 2003 and was attended by 29 postgraduate students including fourteen from the USA, eleven from UWI and four from the Jamaican Ministry of Health. The group from the USA were from the University of Alabama at Birmingham (UAB) and Texas Tech University (TTU) and included nationals of Kenya, India, Zambia, Bangladesh and Ukraine. Faculty were from UWI, the Jamaican Ministry of Health, UAB and TTU.

#### *Courses for training of 'Pre-Hospital' Emergency Medical Technicians*

This year, in the Pre Hospital Emergency Medical Services Training Unit (PHEMS) in the department, sixty seven (67) emergency medical technicians were trained at the basic (EMT-B) level and twenty three (23) at the intermediate level. In addition, forty seven (47) Medical First Responders (MFRs) and eighteen (18) emergency care and treatment (ECAT) instructors were trained and certified. Twenty four EMT-Bs were re certified.

#### **Emergency Medical Technicians - Basic Level (EMT-Bs)**

Thirty four EMT-Bs were trained between July and August 2003 and were included in the 2002 – 2003 report. Between October and November 2003, 33 EMT-Bs were trained, 23 for the Jamaica Fire Brigade and 10 for the Jamaican Ministry of Health.

The regular summer training programme 2004 commenced on July 12<sup>th</sup> and was scheduled to run for six weeks.

#### **Emergency Medical Technicians - Intermediate Level (EMT-Is)**

For the first time the Department conducted a course for EMTs at the Intermediate level. This was at the request of the Jamaican Ministry of Health with funding from the Inter-American Development Bank. Twenty three persons were trained: 20 from the Jamaica Fire Brigade and three who were not attached to an organization.

#### **Medical First Responders (MFRs)**

In October 2003, 47 medical first responders (MFRs) from two Regional Health Authorities were trained on site: 27 in the Southern Regional Health Authority (Mandeville) and 20 from the Western Region (Montego Bay).

### **Re-certification**

Between December 2003 and January 2004 twenty four EMT – Bs were re-certified. Eight were from the Fire Brigade, seven from the May Pen Hospital and nine from the St Ann's Bay Hospital.

### **Course in Emergency Care and Treatment (ECAT)**

This is a new course developed by PAHO. It is at the level of MFR but is designed as a response to trauma in disaster situations. PAHO invited the Department to host a one week course to train persons to become ECAT instructors. Ten Caribbean countries were represented with eight persons from Jamaica. The course was conducted successfully between May 10<sup>th</sup> and May 14<sup>th</sup>. Since then, the Department has been invited to conduct two courses to train ECAT providers over the next twelve months.

#### *Training programme in mental health for health workers of the Jamaican Ministry of Health*

This training programme in contemporary mental health care, which commenced in July 2003, was organized and run by staff from the Section of Psychiatry. Approximately 2,300 health care workers participated, including community health aides, midwives, nurses, mental health officers, nurse practitioners, and medical officers. The programme was conducted at the request of the Jamaican Ministry of Health with a grant of J\$6 million from the Inter American Development Bank, and was completed in October 2003.

### **D. Distinguished Lectures**

#### *Section of Psychiatry*

The special series of distinguished lecture/discussions in Psychiatry, which was started in September 2001, continued with a presentation by Dr. Aggrey Burke, Senior Lecturer in Psychiatry, St. Georges Hospital Medical School.

#### *UWI HIV/AIDS Response Programme (UWI HARP)*

In August 2003, Professor Sten Vermund, Director of the John J. Sparkman Center for International Public Health Education at the University of Alabama, Birmingham and an internationally recognized authority on HIV/AIDS, gave a public lecture on "The treatment of HIV/AIDS in resource constrained settings." The

evening programme was organized by the UWI HARP Coordinating Unit.

## **RESEARCH IN PROGRESS**

- Cross-Cultural comparison of sexual and romantic jealousy in Senegalese and Jamaican women. Diongie, Morgan K.
- Effects of Music on Learning and aggression. Chung R, Morgan K.
- Using art as a diagnostic tool for mental illness. Morgan K, Chung R.
- Evaluating the relationship between physical affection and violence. Reid K, Morgan K.
- Case study analysis of behavioural intervention for self-induced rectal prolapse. Pitter T, Mitchell, Guthrie-Smith H, Morgan K.
- Evaluation of a multidisciplinary cultural therapy team approach as a risk-reduction intervention in violence and high-risk behaviours at an inner-city school in Kingston, Jamaica. Hickling FW, Morgan K, Gibson R, Chung R.
- An evaluation of Homelessness in Jamaica. Hickling FW, Abel W, McCallum M.
- Comparing the efficiency of Community Mental Health services in two parishes in Jamaica. Hickling FW, Ottey FO, Gooden C, Lowe G.
- Development of Low Cost Community-based Intervention Programs for the Severely Mentally Ill: A Feasibility Study" in response to the "Request for Internal Proposals" of PAHO's Multicenter Project 2004. Hickling FW.
- The Role of the Family as Case Managers in the Mental Health Care Services. Williams-Green, Abel WD, Haynes T, Hickling FW.
- Sociodemographic Characteristics of Deportees in Community Residential Facilities. Hickling FW, Morgan K, Robertson-Hickling HA, Abel W.

- An evaluation of an Assertive Outreach program in severely mentally ill patients in Birmingham, UK. Hickling FW, Ratnayake T.
- Strategic Initiative/RFA: Stigma and Global Health Research Program, Stigma and the Dynamics of Social Exclusion in Severe Mental Illness: a multi-centre cross-cultural comparative study. Canadian Institutes of Health Research (CIHR).
- Prevalence, Pattern and Co-morbidity of Substance Abuse in a Birth Cohort in Jamaica. De La Haye W, Samms-Vaughan M.
- Impact of Narcotics Trafficking on the Jamaican Society. De La Haye W. et al. In collaboration with the Center for Drug Abuse Research (CDAR) and the School of Education, Howard University, Washington, D.C., U.S.A.
- Prevalence of Depression and its Co-morbidity in Jamaica. De La Haye W, Abel W, Lipps G, Wright E, Hickling F.
- Older Men's Issues. Eldemire-Shearer D, Morris C.
- Age-friendly guidelines – a multicountry study. Eldemire-Shearer D, Paul T, Holder-Nevins D.
- Study of “Developing Integrated Response of Health Care Systems to Rapid Population Ageing” (INTRA) World Health Organization, Multi-country Study 2002. Eldemire-Shearer D, Morris C, Paul T.
- Ethnographic Study of Centenarians in Jamaica. Eldemire-Shearer D, Morris C.
- Economic Contribution of Seniors to Development. Eldemire-Shearer D, Gayle P.
- A randomized double blind placebo controlled trial of a combination of Gingko biloba and ginseng (gincosan) in dementia of varying aetiology. Hickling FW, Ward A, Eldemire-Shearer D. Sponsored by Pharmaton Natural Health Products (Boehringer Ingelheim) Switzerland.
- Impact of Cockroach Infestation on the Development and Severity of Asthma in Children. Scarlett H, Pierre R, Pinnock M, Robinson R, Bailey K.

- Prostate Cancer in Jamaica: The Contribution of Diet and Lifestyle factors. Jackson M, Aiken W, Bennett F, Coard K, Jacobs H, McFarlane-Anderson N, Paul T, Tulloch T, Walker S.
- Manchester Health and Lifestyle Survey II to determine the prevalence of non-communicable diseases and the influence on health seeking behaviours and lifestyle following a health promotion intervention. Jackson M, Coombs M, Wright B, Carney A, Lewis-Fuller E, Reizo Mita.
- Beyond the music: Influencing adolescents perceptions and values relative to sexuality AIM: To assess the influence of dance hall music on sexual decisions and values among adolescents in Jamaica. Holder-Nevins D.
- Diffusion of healthy lifestyle practices among Seventh-day Adventists in North Jamaica: An assessment of impact. Holder-Nevins, D.
- Jamaican Pharmacists and HIV/AIDS: a knowledge, attitudes, beliefs and practices survey. Bain B, McGaw A, Reid M, Ramsay H, Vassell S.
- **Goal Oriented Adolescent Life Skills (GOALS)** - A peer led AIDS prevention program for adolescents in Jamaica. Bhardwaj S, Ramsay DH, Bain BC.
- Assessment of the needs of children in the 0-8 year age group in relation to HIV/AIDS. Bhardwaj S, Ramsay DH, Brown J.
- A study to estimate the incidence and prevalence of HIV/AIDS among teachers and students in Jamaica's education sector. Bailey W, McCaw-Binns A.
- An educational needs assessment in relation to HIV/AIDS among Jamaican dentists. Bhardwaj S, Ramsay DH.
- Rapid Assessment of the factors contributing to Children Orphaned or made Vulnerable by HIV/AIDS in Guyana. Ramsay DH.
- Investigating the Quality of Life of Persons with HIV/AIDS in Jamaica. Ramsay DH, Manning D, Swaby P.



- Development of a model for post natal care aimed at reducing long term morbidity and late maternal mortality. McCaw-Binns A.
- Evaluation of the incidence and causes of maternal mortality 1998-2003 and the efficiency of the maternal mortality surveillance system at identifying incident cases. McCaw-Binns A.
- Assessment of the quality of obstetric care (competency of skilled birth attendants, role of enabling environment in service performance, delays in delivery of emergency obstetric care – collaborative study in Benin, Ecuador, Jamaica and Rwanda). McCaw-Binns A.
- Re-examination of the role of anti-platelet agents in the management of pregnancy induced hypertension. McCaw-Binns A.
- Health, development and behaviour of Jamaica's adolescents at 15-16 years. Jackson M.
- Impact of the Family Medicine component on third-year students during their Community Health rotation. Williams-Green P, Mc-Caw-Binns A.
- The effect of a redesigned teaching curriculum on medical students' performance in the final examination at the University of the West Indies. Abel WD, Morgan KAD, Hickling FW
- Analysis of the Objective Structured Clinical Examination in the UWI MBBS Examination. Hickling FW, Abel W, Morgan K.
- Learning Styles of Third-year Medical Students. Williams-Green P, Matthews A, Paul T.
- Portfolios as a means of assessment of Postgraduate Medical Students. Williams-Green P.
- Caribbean women and their children – Case studies from Jamaica and Trinidad. Falloon DE.
- Measuring the Co-morbidity of Substance Abuse, Violence, Psychopathology, Help-Seeking Behaviour, and Attitudes

toward Substance Abuse, Violence, Mental Illness and the Afflicted: Lambert M, Samms-Vaughn M, Hickling FW.

- Outcome of homeless persons with mental illness, treated in two intervention programmes in Jamaica. Abel WD, McCallum MM, Hickling F W.
- Documentation of Neuropsychiatric Research in the Caribbean, Hickling F, Gibson, R et al.
- Evaluation of screening, referral and early childhood interventions for children 0-8 years old at risk for under- and over-nutrition and poor growth in Jamaica. Jackson M.
- The contribution of diet to prostate cancer in Jamaica: a case-control study. Jackson M. et al.
- Co-morbidity and depression in medical clinics at the University Hospital of the West Indies. Hickling FW, Abel W, De La Haye, Denbow C, Barton E.
- Suicide in Jamaica 1996-2002. Abel W, Hickling FW.
- A prospective analysis of first contact patients seen in the Small Heath Locality in Birmingham UK. Hickling FW, Ratnayake T.
- Literacy and health seeking behaviour of parents with children attending clinic at the Community Health Centre. Laws-Gascoigne HO, Matthews A.
- Non-compliance issues of hypertensive patients attending Hermitage August town Health Centre. Laws-Gascoigne HO, Falloon DE.
- A descriptive study to look at the role of Community Education in the delivery of Primary Health Care, with a focus on the Community Health Aides. Matthews A.
- A look at the relationship between Age and Co-morbidity in the Primary Health Care Centre attached to the Department. Matthews A.
- The Direction and Development of Pre-hospital Emergency Medical Services in Jamaica. Segree W.

- An assessment of cervical and breast cancer prevention actions among women aged 25-54 years in Western Jamaica. Holder-Nevins D, Campbell-Forrester S.
- A study of the use of open medical wards versus specialist psychiatric units for treatment of patients with acute psychoses. Hickling FW, Abel W, Garner P. Cochrane Library (Oxford) collaboration.
- A ten-year outcome study of first contact schizophrenia in Jamaica. Haynes T, Hickling FW.
- A survey of the emergency management of agitated or aggressive psychotic patients in two Kingston hospitals. Hickling FW, Gibson R, Headley J.
- Psychohistoriographic short term psychotherapy. Hickling FW, De La Haye, W.
- Prevention and Treatment of Nicotine Dependence in Jamaica. De La Haye W.

## PAPERS PRESENTED

- Outcome of homeless persons with mental illness, treated in two intervention programmes in Jamaica. **Abel WD**, McCallum MM, **Hickling FW**. 49<sup>th</sup> Annual Scientific Meeting of the Caribbean Health Research Council. Grenada, April 2004.
- Evaluation of a multi-campus Objective Structured Clinical Examination. **Abel WD**, Dockery K, Denbow C, Lipps G, Ali Z, **Hickling FW**. 49<sup>th</sup> Annual Scientific Meeting of the Caribbean Health Research Council. Grenada, April 2004.
- Jamaican Pharmacists and HIV/AIDS: a knowledge, attitudes, beliefs and practices survey. **Bain B**, McGaw A, Reid M, **Ramsay H**, Vassell S. Conference of the Commonwealth Association of Pharmacists. Ocho Rios, Jamaica, August 15, 2003.
- The UWI HIV/AIDS Response Programme and the Caribbean HIV/AIDS Regional Training Network. **Bain B**. Special Meeting of U.S.-Caribbean Chiefs of Mission. Port-of-Spain, Trinidad, September 2003.

- HIV/AIDS – Training and Education of Professionals: Issues and Suggested approaches. **Bain B.** The Power of Education: Mobilizing the Education Sector against HIV/AIDS. Conference organized by UWI, the Association of Universities and Research Institutes of the Caribbean and UNESCO. Port-of-Spain, Trinidad & Tobago, October 30-31, 2003.
- Curriculum development across disciplines as part of a comprehensive response to the HIV/AIDS crisis in the Caribbean. Muturi N, **Bhardwaj SA**, **Ramsay H**, de Bruin M, **Bain B.** Annual Conference of the American Public Health Association. San Francisco, U.S.A., November 2003.
- A doctor's emotional response to the care of persons with AIDS. **Bain B.** Jamaican Ministry of Health Training Workshop for Medical Doctors. Montego Bay, Jamaica, October 9, 2003.
- HIV /AIDS Related Curriculum Reform at the University of the West Indies, Mona Campus. (Poster). **Bain B**, **Bhardwaj S**, **Ramsay H**, Muturi N, Mullings J. A Multicultural Caribbean United against HIV/AIDS. Conference so-sponsored by CARICOM, CAREC, University of Puerto Rico and the US National Institutes of Health Office of AIDS Research. Santo Domingo, Dominican Republic, March 5-7, 2004.
- Scaling up Antiretroviral Therapy. **Bain B.** Meeting of the Jamaica Association of Pharmacists. Holiday Inn Hotel, Montego Bay, Jamaica, April 24, 2004
- The caregiver's emotional response to patients with HIV/AIDS. **Bain B.** 2<sup>nd</sup> Scientific & Business Conference, UWI HIV/AIDS Response Programme. Knutsford Court Hotel, Kingston, Jamaica. June 10-12, 2004.
- Reflections on Stigma and Discrimination: Roots and Remedies. **Bain B.** First CHART Caribbean Conference on HIV/AIDS. Half Moon Hotel, Montego Bay, Jamaica, June 16-19, 2004.
- The University of the West Indies HIV/AIDS Programme: Awakening a university to the threat of HIV/AIDS. (Poster). **Bain B**, **Bhardwaj S**, Ali Z, Theodore K, Fraser H, Ruddock-

- Small M. XV International AIDS Conference. Bangkok, Thailand, July 11-16, 2004.
- Challenges faced by a University in implementing an HIV/AIDS prevention education program: Perspectives from Cave Hill campus, Barbados and Mona campus, Jamaica. (Poster). **Bhardwaj SA**, Sutherland J, **Ramsay DH**, **Bain B**. XV International AIDS Conference. Bangkok, Thailand, July 11-16, 2004.
  - Behaviour change through education: The curriculum review process as part of the University of the West Indies HIV/AIDS Response Programme at Mona campus, Jamaica. (Poster). **Bhardwaj SA**, **Ramsay DH**, Mullings J, Muturi N, Ruddock-Small M, de Bruin M, **Bain B**. XV International AIDS Conference. Bangkok, Thailand, July 11-16, 2004.
  - A qualitative assessment of perceptions of approaches to HIV/AIDS education in a tertiary setting in the English-speaking Caribbean. (Poster). Mullings J, **Bhardwaj S**, Bailey A, Muturi N, White L, **Ramsay H**, Ruddock-Small M, Macpherson-Russell P, **Bain B**. XV International AIDS Conference. Bangkok, Thailand, July 11-16, 2004.
  - Health Education and Communication for HIV/AIDS Prevention in the Caribbean: A Participatory Approach. Muturi N, Ruddock-Small M, **Bain B**. Conference of the International Association for Media and Communication Research (IAMCR). Porto Alegre, Brazil, July 25-30, 2004.
  - Behaviour risk assessment with night school students in Mumbai, India. (Poster). **Bhardwaj SA**. Annual Conference of the American Public Health Association. San Francisco, U.S.A., November 2003.
  - Effectiveness of a teacher versus peer educator in the Goal Oriented Adolescent Life Skills (GOALS) study, Mumbai, India. **Bhardwaj SA**. Annual Conference of the American Public Health Association. San Francisco, U.S.A., November 2003.
  - Defeating HIV /AIDS through Education: the University of the West Indies HIV/AIDS Response Programme. **Bhardwaj SA**. Global Seminar series, John J. Sparkman Center for

International Public Health Education. University of Alabama at Birmingham, U.S.A. November 2003.

- Impact of gender roles on adolescent sexual decision making: Implications for HIV/AIDS prevention programs. **Bhardwaj SA**. Gender, Sexuality and Implications for Substance Abuse and HIV /AIDS, Conference. St. Augustine, Trinidad and Tobago, March 2004.
- Gender Empowerment through education for HIV /AIDS Prevention in the Caribbean: the role of UWI HARP. **Bhardwaj SA**. Gender, Sexuality and Implications for Substance Abuse and HIV /AIDS Conference. St. Augustine, Trinidad and Tobago, March 2004.
- Uniformed Officers: critical role players in the HIV /AIDS epidemic. **Bhardwaj S**. 2<sup>nd</sup> Scientific & Business Conference, UWI HIV/AIDS Response Programme. Knutsford Court Hotel, Kingston, Jamaica. June 10-12, 2004.
- Are our teachers prepared to deal with the AIDS epidemic? - A Jamaican Perspective. Casimir L, **Bhardwaj S**. XV International AIDS Conference. Bangkok, Thailand, July 11-16, 2004.
- Classification of Dementia. **De La Haye W**. Dementia Workshop sponsored by Janssen-Cilag Pharmaceuticals. Jamaica Pegasus Hotel, Kingston, Jamaica, September 2003.
- A Jamaican Therapeutic Workplace Treatment Model for Substance Abuse. **De La Haye W**. European Union Interregional Conference on Drug Abuse Treatment. Medallion Hall Hotel, Kingston, Jamaica, November, 2003.
- Substance Abuse in Jamaica. **De La Haye W**. Working Collaboratively to Address Substance Abuse: Canada's Health, Education and Enforcement in Partnership (HEP) Approach. Martinique, March 2004.
- The Treatment of Personality Disorder with Psychohistoriographic Psychotherapy. **Hickling F, De La Haye W**. 12<sup>th</sup> Faculty of Medical Sciences Annual Research Conference. Mona, Jamaica, November, 2003 (poster) and 49th Annual Scientific Meeting of the Caribbean Health Research Council. Grenada, April 2004.

- Collaborations with NIH/NIDA: Progress and Develop- ments. **De La Haye W.** The Continuing Challenges of the Twin Epidemics: Drug Use and HIV/AIDS. US National Institute on Drug Abuse Satellite Meeting at the 49th Annual Scientific Meeting of the Caribbean Health Research Council. Grenada, April 2004.
- Utilization of Consultation Liaison psychiatry in a General Hospital in Jamaica. **De La Haye W., Hickling F.** 1<sup>st</sup> Regional Congress of Social Psychiatry in Africa, “Brain, Behaviour and Molecules in Social Contexts.” World Association of Social Psychiatry, Johannesburg, South Africa, April 2004.
- New Horizons in the Management of Common Psychiatric Disorders. **De La Haye W.** Medical Association of Jamaica Symposium 2004, “Medicine, Technology and the New Therapeutics.” Jamaica Pegasus Hotel, Kingston, Jamaica, June 2004.
- Psychiatric Illnesses in Pregnancy. **De La Haye W.** Grabham Obstetric and Gynaecological Society Annual Clinical Conference. Eden Gardens, Kingston, Jamaica, July 2004.
- Evaluation of the general mental well-being of doctors and nurses in two hospitals in Kingston, Jamaica. Lindo JLM, **La Grenade J, McCaw-Binns A, Jackson M, Eldemire-Shearer D.** 49<sup>th</sup> Annual Scientific Meeting of the Caribbean Health Research Council. Grenada, April 2004.
- Evaluation of a Community Mental Health Aftercare Programme for Acute Mentally Ill Patients in a Psychiatric Ward of a General Hospital. **Lowe GA,** Halliday S, **Hickling FW.** 12<sup>th</sup> Faculty of Medical Sciences Annual Research Conference. Mona, Jamaica. November 2003 and 49th Annual Scientific Meeting of the Caribbean Health Research Council. Grenada, April 2004.
- The Prevalence of Depression and Anxiety Among end-stage Renal Patients Treated With Haemodialysis at the University Hospital of the West Indies. Haynes-Robinson TS, Barton EN, **Hickling FW.** 12<sup>th</sup> Faculty of Medical Sciences Annual Research Conference. Mona, Jamaica. November 2003.

- Blood donation, actions and intent among University students. Richards S, **Holder-Nevins D**. 12<sup>th</sup> Faculty of Medical Sciences Annual Research Conference. Mona, Jamaica. November 2003, and 49<sup>th</sup> Annual Scientific Meeting of the Caribbean Health Research Council. Grenada, April 2004.
- Growth and Nutrition report. **Jackson M**. Presented at a meeting called for the “Design of a System for Screening, Referral and Early Intervention for Children at Risk in Jamaica.” UWI/MOH (Jamaica)/UNICEF. June 25-26, 2004.
- **Jackson M**, Ashley D. Workplace Violence in Jamaica’s Health Sector: Determinants of Physical and Psychological Abuse. 49<sup>th</sup> Annual Scientific Meeting of the Caribbean Health Research Council. Grenada, April 2004.
- Lindo JLM, **LaGrenade J**, **McCaw-Binns A**, **Jackson M**, **Eldemire-Shearer D**. Evaluation of the general mental well-being of doctors and nurses in two hospitals in Kingston, Jamaica. 49<sup>th</sup> Annual Scientific Meeting of the Caribbean Health Research Council. Grenada, April 2004.
- **Jackson MD**, Coombs MP, Wright BE, Carney A, Lewis-Fuller E, Reizo M. Self-reported non-communicable chronic diseases and health seeking behaviour in rural Jamaica, following a health promotion intervention: A preliminary report. The 7<sup>th</sup> Meeting of the Hirosaki International Forum of Medical Science. Hirosaki, Japan. October 28 -29, 2003.
- Chronic Non-communicable Disease in a Primary Care Centre, Prevalence Co-prevalence & Associated Factors. **Matthews A**. 2<sup>nd</sup> Pan Caribbean Conference, Caribbean College of Family Physicians. Kingston, Jamaica, September 2003
- Telephone Triage in Medical Emergencies and Nursing Care for Health. **Matthews A**. Inaugural Caribbean Telemedicine Symposium and Exhibition, UWI, Mona. July 22-25 2004.
- Is HIV/AIDS affecting the supply of and demand for educational services in Jamaica? **McCaw-Binns A**, Bailey W. The Power of Education: Mobilizing the Education Sector against HIV/AIDS. Conference organized by UWI, the



Association of Universities and Research Institutes of the Caribbean and UNESCO, Port-of-Spain, Trinidad & Tobago. October 30-31, 2003.

- Are skilled birth attendants really skilled? A multi-country study of SBA competence. Harvey SA, Ayabaca P, Boucar M, Bucagu M, Edson W, Gbandbade S, Hedman E, Hermida J, Legros S, **McCaw-Binns A**, Burkhalter B. 20<sup>th</sup> International Conference, International Society for Quality in Health Care. Dallas, Texas, November 3-5, 2003.
- Anti-cardiolipin antibodies in Jamaica primiparae. Kahwa EK, Sargeant LA, **McCaw-Binns A**, McFarlane-Anderson N, Smikle MF, Forrester TE, Wilks RJ. 49<sup>th</sup> Annual Scientific Meeting of the Caribbean Health Research Council. Grenada, April 2004.
- Barriers to accepting HIV/AIDS affected children in the school community. Bailey W, **McCaw-Binns A**. UWI HIV/AIDS Response Programme: 2<sup>nd</sup> Scientific and Business Conference. Kingston, Jamaica: June 10-13, 2004.
- Jamaican men's involvement in family life – going beyond economic support. **Morris C**, **Eldemire-Shearer D**, **Paul TJ**. Association for Gerontology in Higher Education – 30<sup>th</sup> Annual Meeting and Educational Leadership Conference: Global Aging. Richmond, Virginia, U.S.A. Feb 26-29, 2004.
- The Involvement of elderly Jamaican Men in Family Life: Going beyond Economic Support. **Morris C**. 12<sup>th</sup> Annual Conference of the American Men's Studies Association. Chicago, Illinois, U.S.A. April 2-4, 2004.
- Age friendly practice guidelines. (Paul TJ) Caribbean College of Family Physicians 2<sup>nd</sup> Pan Caribbean Conference, Jamaica, September 25-28, 2003
- Diabetes and hypertension-continuity of care and observations on onset & time to co-morbid state. (Reid R, **Paul TJ**.) Caribbean College of Family Physicians 2<sup>nd</sup> Pan Caribbean Conference, Jamaica, September 25-28, 2003.
- The Caribbean Charter for Health Promotion: A strategic framework for violence prevention in Jamaica. **Paul TJ**, **Segree W**, Ferguson D. 7<sup>th</sup> World Conference on Injury

Prevention and Safety Promotion. Vienna, Austria, June 6-9, 2004.

## PUBLICATIONS

### Refereed

- \* **Bain B.** The UWI HIV/AIDS Response Programme. *Caribbean Quarterly* Vol. 50, No. 1: 11-14. March 2004.
- \* **De La Haye W.** Exposure Opportunity and Substances of Abuse (Editorial). *West Indian Med. J.* 53: 141-142, 2004.
- \* **Eldemire-Shearer D, Paul, TJ.** Ageing – time for a paradigm shift in healthcare services. *West Indian Med. J.* 52 (Suppl.6.):45, 2003.
- \* **Hickling FW, Matthies BK.** Training Clinical Psychologists at the University of the West Indies. *West Indian Med. J.* 52 No.4, 326, 2003
- \* **Hickling FW.** Popular Theatre as Psychotherapy. *Interventions: International Journal of Post Colonial Studies* Vol 6 (1): 45-56, 2004
- \* **Blake OA, Jackson JC, Jackson MD, Gordon CLA.** Assessment of Dietary Exposure to the natural toxin hypoglycin in Ackee (*Blighia sapida*) by Jamaican Consumers. *Food Research International.* 37 (8): 833-838, 2004
- \* **Zohoori N, Jackson M, Wilks R, Walker S, Forrester TE.** Nutritional status of older adults in urban Jamaica. *West Indian Med. J.* 52(2): 111 – 117, 2003.
- \* **Alexander S, McCaw-Binns A.** The oral health status of 12 year old children in St Lucia. *West Indian Dental Journal.* 7(1): 17-20, 2003.
- \* **Ramsay DH, Williams S, Brown J, Bhardwaj S.** Young Children, a neglected group in the HIV Epidemic: Perspectives from Jamaica. *Caribbean Quarterly* Vol. 50, No. 1: 9-53, March 2004.

### Book

- \* Kelly M, **Bain B**. Education and AIDS in the Caribbean. IIEP, UNESCO, Paris. October 2003.

### Book chapters

- \* **Jackson MD**, Coombs MP, Wright BE, Carney AA, Lewis-Fuller E, Reizo Mita. Self-reported non-communicable chronic diseases and health seeking behaviour in rural Jamaica, following a health promotion intervention: A preliminary report. In: Mita R and Satoh K eds. *International Collaboration in Community Health. International Congress Series 1267*: Elsevier p. 59 – 68, 2004.
- \* **McCaw-Binns A**. Reducing fetal mortality. In: Lucas AO, Stoll BJ, Alisjahbana A, Bang A, Caulfield L, Goldenberg R, Koblinsky M, Kramer M, McCaw-Binns A, Nathoo K, Sanghvi H, Simpson JL. *Improving Birth Outcomes: Meeting the Challenge in Developing Countries*. Institute of Medicine. National Academy Press: Washington DC, 2003, pp 135-162.
- \* Lucas AO, Stoll BJ, Alisjahbana A, Bang A, Caulfield L, Goldenberg R, Koblinsky M, Kramer M, **McCaw-Binns A**, Nathoo K, Sanghvi H, Simpson JL. *Reducing Birth Defects: Meeting the Challenge in Developing Countries*. Institute of Medicine. National Academy Press: Washington DC, 2003.
- \* **McCaw-Binns A**. Case study: Jamaica, 1991-1995. In: *Reducing maternal mortality: Learning from Bolivia, China, Egypt, Honduras, Indonesia, Jamaica and Zimbabwe*. Human Development Network: Health, Nutrition and Population Series. Koblinsky MA (editor). World Bank: Washington, DC. 2003, pp 123-129.

### Non-refereed Publications

- \* **Bain, B**. Strengthening Family Medicine Research. *Proceedings of the Second Pan-Caribbean Conference of the Caribbean College of Family Physicians*. Kingston, Jamaica. September 25-28, 2003.
- \* **Hickling FW**. The African Renaissance and the Struggle for Mental Health in the African Diaspora. *The African Diaspora: Psychiatric Issues. Proceedings of a Meeting held November 17 -21, 2002, Boston, Massachusetts*.

*Monograph (non-refereed)*

- \* **Abel W, Lowe G.** Protocol for the Management of Common Mental Disorders. Ministry of Health, Jamaica.

*Technical Reports*

- \* **Bain B.** HIV/AIDS, Malaria and Other Diseases. In: Benn D (editor), Bailey B, Bain B, Clayton A, McCaw-Binns A, Miller E, Samms-Vaughan M, Witter M. *Caribbean Regional Report on the Implementation of the Millenium Development Goals (MDGs)*. Prepared for the United Nations Development Programme (UNDP). UWI, Mona, July 2004.
- \* **Bhardwaj S, Ramsay H.** ‘We all know someone with HIV’ – *Research project undertaken on early childhood and HIV/AIDS issues*. Prepared for the United National Educational, Scientific and Cultural Organization (UNESCO).
- \* **Hickling F, Kahwa I, Munroe T, Shepherd V, Wint A.** Strategic Challenges Confronting UWI, Mona: An Analysis and Response. UWI, Mona. 2003.
- \* **Hickling F, Abel W, Hunter C et al.** Strategic Challenges Confronting UWI, Mona: UWT’s Repositioning Strategy. New Initiative Sub Committee. UWI, Mona. 2004.
- \* **Holder-Nevins D.** Qualitative assessment of educational posters on ‘Children and Violence’ Ministry of Health, Jamaica. April 2004.
- \* **Jackson M, Coombs Michael P, Wright Beverley E, Carney Alice A, Lewis-Fuller Eva, Reizo M.** *Manchester Health and Lifestyle Survey II*. Japan International Cooperation Agency / Southern Regional Health Authority, Jamaica. 2004.
- \* **Jackson M.** “Quantitative methods in dietary assessments” in *Analytic Review of Conduct and Use of Food Consumption and Anthropometric Surveys in the Caribbean*. Caribbean Food and Nutrition Institute. 2004.
- \* **McCaw-Binns A.** Improving Maternal Health. In: Benn D (editor), Bailey B, Bain B, Clayton A, McCaw-Binns A, Miller E, Samms-Vaughan M, Witter M. *Caribbean Regional Report on the Implementation of the Millenium Development Goals*

(MDGs). Prepared for the United Nations Development Programme (UNDP). UWI, Mona, July 2004.

- \* **McCaw-Binns A**, Burkhalter B, Edson W, Harvey SA, Antonakos C. *Safe Motherhood Studies – Results from Jamaica Operations Research Results*. Published for USAID by the Quality Assurance Project: Bethesda, MD, April 2004.
- \* **Ramsay DH**. A Rapid Assessment of the Situation of Orphans and other Children Living in Households Affected by HIV/AIDS in Jamaica. Published by the National AIDS Committee of Jamaica. 2003.
- \* **Segree W**. Report of PAHO Technical Working Group on Emergency Medical Services, PAHO/CAR/61.2/2003.
- \* **Segree W**. Pre Hospital Emergency Medical Services – Review of Services in Twelve Caribbean Countries – Recommendations for Standards and Training Guidelines. PAHO/CAR/61.2/2004.02.

## COLLABORATION

### Inter-Departmental and Inter-Faculty, University of the West Indies

- a) The UWI HIV/AIDS Response Programme (UWI HARP).

In October 2003, UWI HARP helped to organize a conference entitled, *HIV/AIDS: The Power of Education*, sponsored jointly by the UWI, the Association of Universities and Research Institutes of the Caribbean (UNICA) and the United Nations Scientific, Educational and Cultural Organization (UNESCO).

In March 2004, a team from UWI HARP visited the Dominican Republic and held discussions with representatives of the Ministry of Health, the Ministry of Higher Education and leaders of eight universities with a view to establishing collaborative links for curriculum development and research relevant to HIV/AIDS.

UWI HARP, Mona is a member of Jamaica's "Country Coordinating Mechanism" and has received part of a national grant from the Global Fund to fight AIDS, Tuberculosis and Malaria.

Under this programme, which began in June 2004, UWI HARP, Mona will work with the Joint Board of Teacher Education to prepare teaching materials and to help to prepare the staff and students of all teacher-training colleges to disseminate a curriculum that incorporates knowledge and skills pertaining to HIV/AIDS in the context of Health and Family Life Education.

In May 2004, UWI HARP held a Training of Trainers workshops for tutors and other specially invited persons from the School of Continuing Studies in Antigua. Funding for this activity was obtained via a grant from the European Union administered by CARICOM.

### **International**

The Department continued to collaborate with several international institutions including:

- *Boston University*

We have maintained an active link with the Boston University School of Public Health and forged a new link with the Department of Family Medicine of Boston University.

- *Dalhousie University Canada*

Dalhousie University has agreed to accept fourth year residents from the Section of Psychiatry for one and two year fellowships in child psychiatry.

- *Florida International Volunteers Corp. (FAVACA) and Florida International University.*

FAVACA will be collaborating with this Department and the Department of Advanced Nursing Education to conduct joint training programmes in ageing.

- *Leeds University*

Dr. Roger Gibson, who recently completed the DM (Psychiatry) joined Leeds University to pursue an MPH in Research Methods, and was granted a placement with the Cochrane Schizophrenia Library in Leeds.

- *Pan-American Health Organization (PAHO)*

(i) The Academic Staff of the Section of Psychiatry participate in the Latin American and Caribbean Network on Mental Health Services Research convened by PAHO.

(ii) Dr Winsome Segree signed a contractual agreement on behalf of the Department to assess Pre Hospital Emergency Medical care in selected countries in the Caribbean.

## **GRANTS**

### **Abel W, Hickling FW. (2003)**

Review of forensic services in Jamaica 1995-2002. Funded by Ferdie's House Community Vocational Rehabilitation Centre.  
**J\$50,000**

(2003) Suicide in Jamaica 1996-2002. Funded by Community Group Homes **J\$50,000**

(2003) Islandwide training program in contemporary mental health care for Jamaican health workers. Funded by the Inter American Development Bank. **J\$6M**

### **Haynes T, Hickling FW. (2002)**

A ten-year outcome study of first contact schizophrenia in Jamaica.

(2004) Funded by the Principal's New Initiative Grant, UWI Mona.  
**J\$860,000**

### **Lambert M, Samms-Vaughn M, Hickling FW. (2003)**

Measuring the Comorbidity of Substance Abuse, Violence, Psychopathology, Help-Seeking Behavior, and Attitudes toward Substance Abuse, Violence, Mental Illness and the Afflicted:

A Project Aimed at Providing Culturally Relevant Jamaican Assessment Instruments, and Empirical Data to Inform Jamaican Health Policy and Program Decisions. Funded by a grant from Michigan State University **J\$720,000.**

**Jackson M (Principal Investigator)**, with Aiken W, Bennett F, Coard K, Jacobs H, McFarlane-Anderson N, Paul T, Tulloch T, Walker S. (2004).

Prostate Cancer in Jamaica: The Contribution of Diet and Lifestyle factors. Funded by: Planning Institute of Jamaica **J\$3,000,000.**

Michigan State University (USA) (Student stipend) **720,000.**

University of the West Indies (Research & Publication Grant)  
**120,000.**

**Jackson M (Principal Investigator)**, with Coombs M, Wright B, Carney A, Lewis-Fuller E, Mita R. (2003) Parish of Manchester Health and Lifestyle Survey II. Funded by the Japan International Cooperation Agency / Southern Regional Health Authority of Jamaica **J\$1,446,000.**

**McCaw-Binns A**, Bailey W. (2003) HIV and the education sector. Quantitative and qualitative study of the impact of the HIV epidemic on (1) supply of educators; (2) demand for education and (3) willingness of the sector to accept HIV positive persons in the classroom. *Status:* Data collection and analysis. Funded by UNESCO. **US\$10,000.**

**McCaw-Binns A.** (2004) Community Care of High Risk Mothers and Infants. Quality Assurance Project, University Research Center, Washington DC: Follow on from 2002 study aimed at (1) describing current activities of primary care nursing team and (2) developing skills aimed at reducing maternal and neonatal disability and death through post partum referral and follow up by community midwives. **US\$12,000.**

(2004) Evaluation of Maternal Mortality Surveillance, Jamaica: 1998-2003. Quality Assurance Project, University Research Center, Washington DC: Review of maternal deaths, identify issues associated with reporting maternal deaths to the national level, and describe local efforts aimed at reducing maternal deaths. *Status:* Data collection. **US \$12,000.**

**Morgan K, Gibson R, Chung R, Hickling FW.** (2002) Evaluation of a multidisciplinary cultural therapy team approach as a risk-reduction.

(2004) intervention in violence and high-risk behaviours at an inners-city school in Kingston Jamaica. Funding: The Planning Institute of Jamaica **J\$1.8M.**

**Segree W** (2003) 2003 Small grants from various Private Sector Organizations to train their staff in Pre-Hospital 2004 Emergency Medical Care.



(2004) Pan American Health Organization. Contractual agreement to assess Pre-Hospital Emergency Medical care in certain countries in the Caribbean.

(2004) Grant from PAHO to host ECAT instructor training course.

(2004) IDB grant in support of training of Emergency Medical Technicians for the Jamaican Ministry of Health.

## **STAFF MOVEMENTS**

**Dr Winston de la Haye and Dr Gillian Lowe**, both graduates of the UWI DM (Psychiatry) programme, joined the staff as Lecturers at the start of the academic year.

**Dr Satnarine Maharaj** returned to the department on July 1, 2004 after completing his period of secondment as Chief Medical Officer of Grenada.

At the end of July we said farewell to **Dr Anna Matthews** who gave valuable service as a temporary lecturer in Community Health for more than eight years. Dr Matthews will continue to be associated with the post-graduate training programme in Family Medicine.

**Dr Sanjana Bhardwaj** returned to India at the end of March after spending 15 months working under the aegis of the project for strengthening the institutional response to HIV/AIDS/STI in the Caribbean. In addition to conducting research, Dr Bhardwaj taught in the undergraduate medical programme, helped to supervise Master of Public Health students and did cross-faculty teaching at CARIMAC and in the Department of Sociology, Psychology and Social Work.

## **PRIZES AND SPECIAL AWARDS**

### **Dr Loraine Barnaby**

Fulbright Fellowship to New York University, July–December 2003

### **Dr Denise Eldemire-Shearer**

Principal's award 2003 for outstanding contribution to public policy over many years.

**Dr Winston De La Haye**

Prize for best oral presentation at the First Regional Congress of Social Psychiatry in Africa organized by the World Association of Social Psychiatry in Johannesburg, South Africa, April 2004.

**Professor Frederick Hickling**

British Psychological Society Visiting Fellowship: Newman College, Birmingham, Department of Psychology Liverpool University, Department of Psychology University of Cardiff, March 2004.

**Dr Affette McCaw Binns**

Principal's Award 2003 for one of the three best publications from the Faculty of Medical Sciences.

Principal's Fellowship: Community Maternal and Dental Health. Junior Research Fellow post funded to support two research projects:

- (1) Maternal mortality evaluation (1998-2003);
- (2) Periodontal health-preterm low birth weight intervention.

**Dr Maria Jackson**

Principal's Award 2003 for one of the three best publications from the Faculty of Medical Sciences.

**Mr Milton Pinnock**

Special Award from the University Hospital of the West Indies, July 2003 – for “useful contribution and continued interest in the education of student midwives in the subject of Community Health.”

Jamaican Governor-General's Achievement Award for the parish of St Andrew, 2003.

**Dr W Segree**

Medical Association of Jamaica Award, June 2004 - for outstanding service in family practice and medical education.

**The inter-faculty UWI HARP team** including some members from this department – American Public Health Association (APHA) award for one

of the three best abstracts by a new researcher in the HIV/AIDS Section of the APHA annual conference held in San Francisco in November 2003.

## **OUTREACH**

### **Hermitage/August Town Health Centre**

This facility has been operating without interruption since 1959. It has grown from a service for residents the adjacent community of Hermitage to a Type III health care centre for persons from twelve locations near the Mona campus. Based on figures from the recent national census conducted by Statistical Institute of Jamaica, the combined population in the catchment area served by the centre is approximately 35,300.

The centre is a base for outreach by doctors, nurses, a social worker, medical students and community health aides. Medical students and Master of Public Health students under the direction of the social worker conduct in-depth studies of several families in the catchment area of the clinic. These families benefit from health education/ health promotion and significant medical and social interventions.

### **Oasis Restoration project**

The Section of Psychiatry continues its mental health intervention in the inner city community of Rema, Trench Town, Kingston. The team includes **Professor Hickling**, **Dr Roger Gibson**, psychiatric resident and **Dr. Kai Morgan**, Consultant Psychologist.

## **PUBLIC SERVICE**

### **Professor Brendan Bain**

- Member, Board of Directors, Family Life Ministries
- Co-host of Radio Programme, Family Time on Radio Jamaica

### **Professor Frederick Hickling**

- President, Jamaica Psychiatric Association

- Special Consultation, WHO, Geneva, Switzerland: Evaluation of World Health Organization Mental Health Policy Guidelines
- Chairman, National Council for Drug Abuse
- Chairman, Association of Mental Health Professionals for the African Diaspora

**Dr Wendel Abel**

- Chairman, Paraplegic Development Foundation
- Board Member, Community Group Homes, and Ferdie's House Community Vocational Rehabilitation Center, Jamaica
- Board Member, St. Joseph's Hospital, Kingston
- Board Member, Corner Community Development Programme
- Resource person, radio and television, Jamaica.

**Dr Loraine Barnaby**

- Clinical Representative for Faculty of Medical Sciences, West Indies Group of University Teachers
- Volunteer, working with persons with psychological/psychiatric adjustment problems at the Ozanam Home for the Elderly
- Executive member, Soroptimist Club of Jamaica (Kingston) and club representative at National Association of Soroptimists

**Dr Winston De La Haye**

- Chairman, Treatment and Rehabilitation Committee, National Council on Drug Abuse
- Secretary, Task Force on Crime, Violence and Forensic Mental Health
- Secretary, Jamaica Psychiatric Association

- Executive Member, Jamaica Fulbright Humphrey Association
- Director, Richmond Fellowship, Patricia House
- Board Member, Addiction Alert Organization

**Dr Denise Eldemire-Shearer**

- Chairman, National Council for Senior Citizens, Jamaica
- Deputy Chairman, Golden Age Home, Kingston, Jamaica
- Chairman, Board of Supervision, Ministry Local Government, Youth and Community Development, Jamaica
- Member, Management Committee, Jamaica Drugs for the Elderly Programme
- Member, Pensions Reform Committee, Jamaica
- Coordinator of Counselling Services, East Queen Street Baptist Church
- Member, Central Health Committee, Ministry of Health, Jamaica

**Mrs Dorrett Falloon**

- Coordinator of Counselling Services, East Queen Street Baptist Church
- Counsellor, East Queen Street Baptist Church

**Mrs Desmalee Holder-Nevins**

- Member of Board, St Ann's Bay High School – St Ann
- Public Relations Officer Jamaica Association of Adventist Health Professionals (Northern Chapter)
- President, Jamaica Association of Health Education & Promotion
- Youth leader, St Ann Federation of Seventh Day Adventists
- Youth Advisor, Portmore Environment & Community Health Agency in their Healthy Municipality Programme

**Dr Maria Jackson**

- Member of the St. Vincent De Paul Society

- Executive member of Friends of the Bellevue Hospital

**Dr Janet La Grenade**

- Chairman of the South East Regional Mental Health Review Board, Jamaican Ministry of Health

**Dr Anna Matthews**

- President, UWI Medical Alumni Association Jamaica Chapter (2004)
- Executive Member of Medical Alumni Association Jamaica Chapter
- Executive Member of the University of the West Indies Alumni Association
- Member of the Epidemiological Committee, Kingston and St Andrew
- Member of the Medical Association of Jamaica
- Member of the Caribbean College of Family Physicians
- Volunteer doctor for the Elderly, Christ Church Ministry, Kingston, Jamaica
- Member of Planning Committee of the Inaugural Caribbean Telemedicine Symposium and Exhibition

**Dr Affette McCaw-Binns**

- Member, Vital Statistics Commission, Jamaica
- Member, Expert Panel Maternal Outcomes. Bill & Melinda Gates Foundation: Initiative for maternal mortality programme assessment (IMMPACT), Dugald Baird Centre, University of Aberdeen, Scotland.

**Dr Kai Morgan**

- Member, Selection Committee, Jamaica Psychological Society
- Clinical Psychologist, Jamaica Netball Association. Official Psychologist for the Jamaica “Sunshine Girls’ Netball team

**Mrs Chloe Morris**

- Resource person to social and church groups in establishing active men's health groups.

**Dr Tomlin Paul**

- Member, National Family Planning Board (NFPB) of Jamaica.
- Chairman, Public Relations Sub-committee, National Family Planning Board, Jamaica.
- Member, McCam's Child Development Centre, Kingston, Jamaica
- Member, Hope Estate Educational Partners (HEEP)
- 3rd Regional Vice President, Caribbean College of Family Physicians (CCFP)
- Member, Scientific Advisory Committee 2<sup>nd</sup> Pan Caribbean Conference of the Caribbean College of Family Physicians
- Member of the Editorial Board of *Cajanus*.

**Mr Milton Pinnock**

- President, Caribbean Public Health Association
- Member, Board of Governors, Oberlin High School, St. Andrew, Jamaica
- Member, Technical Advisory Committee of the Caribbean Environmental Health Institute, St. Lucia
- Chairman, Advisory Committee on Health Sciences, University of Technology, Kingston, Jamaica
- Chairman, Beverly Hills Citizens' Association Area I
- Member, Lions Club of Mona
- Vice-Governor, Lions Clubs International, District 60B (Caribbean Area)
- Member, Jamaica/Western New York Partners

**Mrs Hope Ramsay**

- Member, Monitoring and Evaluation Committee for the National AIDS Programme, Jamaica
- Member, Commonwealth Human Ecology Council Member of the National Committee for Orphans and Children made Vulnerable by HIV/AIDS
- Advisor, Centre for HIV/AIDS Research Education and Services (CHARES) at the University Hospital of the West Indies
- Member, Planning Committee for the Annual Nurses and Midwives Research Conference, Department of Advanced Nursing Education, UWI, Mona

**Dr Winsome Segree**

- Member, Environmental Foundation of Jamaica
- Member, National Resuscitation Council of Jamaica

**Dr Pauline Williams-Green**

- Member of an international group on certification of physicians sponsored by PAHO and requiring communication in Spanish.
- Volunteer physician, Church clinics, Kingston and St Andrew.
- External Examiner, Bahamas Medical Council Examination, March 2004.

## **DEPARTMENT OF MEDICINE**

**Professor Charles E. Denbow, BSc, MB BS (Hons), DM (UWI),  
FRCP (Lond), FACP, FACC – Head of Department**

### **WORK OF THE DEPARTMENT**

**T**he period 1<sup>st</sup> August 2003 – 31<sup>st</sup> July 2004 was another very successful year for the Department of Medicine.



The new research linkages formed with the Section of Psychiatry and the previous research connections with the Tropical Metabolism Research Institute [TMRI] were significantly strengthened leading to a progressive increase in research output.

The Department provided under- graduate instruction in internal medicine to students in both the old and new curriculum, and the excellent



95% pass rate in Medicine and Therapeutics of the May/June 2002 and 2003 Final MBBS Examinations was surpassed in the Examinations of May/June 2004 which had a pass rate of 96%. [All candidates were successful in the clinical examination]. The Academic staff and undergraduates are to be highly commended once again for this outstanding performance.

Four postgraduate students successfully completed the DM Part 2 (final examinations) in internal medicine during the year – two in December 2003, and two in June 2004. Five candidates for the DM Part 1 examination were successful during the year.

The ever increasing service commitments of the Department in relation to the management of both inpatients and outpatients continued to be very well fulfilled.

## **STAFF**

Professor Everard Barton was appointed Head of the Department for a 3 year term effective 1<sup>st</sup> August 2004. He would be replacing

Professor Charles Denbow who would be demitting office as Head after serving as Head for a period of six years.

Dr. Charlton Collie was awarded a Hubert Humphrey Fellowship for one (1) year and this would be spent in the United States. This Fellowship would begin in August 2004.

## **TEACHING**

Prof. Denbow maintains overall responsibility for all departmental teaching programmes – both undergraduate and postgraduate.

## **RESEARCH IN PROGRESS**

### **Dr. Milton Arthurs**

- Bile Duct Injuries in the Laparoscopic era at the UHWI by: Plummer, J., Arthurs, M., McDonald, A. et al

### **Professor E. Barton**

- Acute Renal Failure and Cardiac Surgery
- Vancomycin resistant enterococci in Dialysis Patients
- Prevalence of chronic renal failure in Diabetic Patients
- Autosomal Dominant Heredity Spastic Paraplegia in Jamaica
- HIV Heteroduplex mobility Analysis Subtyping
- Chronic renal failure and Cardiac Disease

### **Dr. Althea East-Innis**

- The epidemiology, clinical presentation and outcome of fungal hair and scalp infection at the University Hospital of the West Indies

### **Dr. David Gilbert**

- Parkinson's disease in Jamaica. Stroke – Clinical outcomes CT analysis.

### **Professor Michael Lee**

- Antibiotic sensitivity to *Helicobacter pylori* in Jamaica
- Emerging, opportunistic parasitic infections in patients with HIV/AIDS

## **PAPERS PRESENTED**

### **Dr. Milton Arthurs**

- “*Helicobacter pylori* – a historical perspective of research at UHWI” presented at the Association of Consultant Physicians, Terra Nova Hotel, November 2003.

**Professor Charles Denbow**

- “The Central role of Calcium in Myocardial Contractility”. 19<sup>th</sup> Caribbean Cardiology Conference, St. Lucia, July 2004.

**Dr. Althea East-Innis**

- “The Management of common skin disorders in HIV infection” Caribbean Dermatology Association Conference, Aruba, November 2003
- “The Epidemiology of Tinea Capitis in Jamaica” Caribbean Dermatology Association Conference, Aruba, November 2003
- “Dermatologic Emergencies” Dermatology Association of Jamaica Conference, Knutsford Court Hotel, March 2004

**Dr. Rosemarie Wright-Pascoe**

- “New trends in the Management of Diabetes Mellitus”, Caribbean College of General Practitioners Symposium, Knutsford Court Hotel, Kingston, Jamaica (July 25, 2004).
- “Current Trends in the Management of diabetes and hypertension”. Nurse Practitioners of Jamaica Annual Conference, The Jamaica Grande, Ocho Rios, Jamaica. (July 8, 2004).
- “Diabetes Prevention: An Evidence-based Review”. Medical Association of Jamaica Symposium 2004, The Jamaica Pegasus Hotel, Jamaica (June 5, 2004)
- “New Trends in Diabetes Mellitus”. Medical Association of Jamaica, Western branch of MAJ, Wexford Hotel, Montego Bay (May 14, 2004).
- “Launch of Diabetes Education for Diabetics” In association with Aventis Knutsford Court Hotel, Kingston, Jamaica (May 27, 2004).
- “New Advances in Diabetes Management”. University Diabetes Outreach Project Annual Conference, Jamaica. (March 4, 2004).
- “Basal Insulin”. In association with Aventis, the Jamaica Pegasus Hotel, Kingston, Jamaica
- “Insulin Resistance and How to Treat It”. Workshop on Insulin Resistance by E. Denk Pharmaceuticals, Knutsford Court Hotel, Kingston, Jamaica (February 15, 2004).

- “Changing the Consequences of Diabetes Mellitus”. Jamaica Pegasus Hotel. (February 4, 2004). Chaired programme
- “Diabetes in the New Millennium: A New Therapeutic Approach”. Southern Branch of Medical Association of Jamaica, Mandeville, Manchester, Jamaica (November 24, 2003).
- “The Pharmacological Management of Type 2 Diabetes Mellitus”. Regional Health Authorities of Jamaica’s Conference for Physicians. The Jamaica Pegasus Hotel, Kingston, Jamaica (October 30, 2003).
- “Profile of an Endocrine Clinic in Jamaica”. American Association of Clinical Endocrinologists’ Annual Meeting, Boston, USA (April 28-May 2, 2004)
- “Targeting Insulin Resistance: The key to Failure of Diabetes Treatment”. Cayman Islands Medical and Dental Society Cayman Islands (November 16, 2003)

## PUBLICATIONS

- \* EN Barton, LA Sargeant, D. Samuels, R. Smith, J. James, R. Wilson, F. Smith, H. Falconer, C. Yeates, MF Smikle, DT Gilbert. A Survey of Chronic Renal Failure in Jamaica. *West Indian Medical Journal* 2004; 53: 81-84
- \* S. Simon, S. Stephenson, K. Whyte, M. Stubbs, IE Vickers, MF. Smikle, DT Gilbert, EN Barton. Prevalence of Chronic Renal Failure in the Diabetic Population at the University Hospital of the West Indies. *West Indian Med. J.* 2004; 53: 85-88.
- \* The Early Story of Coronary Artery Disease, *West Indian Medical Journal*, 2004, 53 (3), 196.
- \* A History of Cardiology in Jamaica, C.E. Denbow, *West Indies. Med. J.* 53 (3): 184-187 (2004).
- \* Dyspepsia. Review of Management Options. M.G. Lee. *West Indian Medical Journal.* 2004; 53: 188-190

- \* Severity of systemic lupus erythematosus with diffuse Proliferative glomerulonephritis and the ineffectiveness of standard pulse intravenous cyclophosphamide therapy in Jamaican patients. W. Williams, A. Bhagwandass, L. A. Sargeant, D. Shah. *Lupus* (2003) 12. 640-645.
- \* Clinical and Epidemiologic Features of SLE Nephritis in 140 patients in a Predominantly Black Population from one center in Kingston Jamaica. W. Williams, D. Shah, L.A. Sargeant. *American Journal of Medical Sciences*. June 2004. Vol. 327, pp 324-329.
- \* Visual Vignette. Primary Pachydermoperiostosis or Touraine – Solente-Gole Syndrome- *Endocr. Pract.* 2003, Sept. – Oct, 9 (5): 476.
- \* Wright-Pascoe, R. Islet cell transplantation: A Viable Treatment for Type 1 diabetes mellitus. *Postgraduate Doctor Caribbean*. Special Supplement. Vol. 19, No. 8, 2003.

#### Abstracts

- \* ERCP use at the UHWI; WIMJ 2003; 52, JM, Plummer, A, Arthurs, AT, McDonald, DG, Mitchell (Suppl. 6): 14.
- \* ERCP: a single institution experience: Plummer, A, Arthurs, AT, McDonald, DG, Mitchell. Presented at CHRC , April 2004. *WIMJ* Suppl. to CHRC (2004).
- \* Reliability and validity of the final examination in Medicine and Therapeutics at the University of the West Indies. W.D. Abel, C.E. Denbow, Z. Ali, K. Dockery and F.W. Hickling. *West Indian Med. J.* 52 (suppl. 6): 40 (2003).
- \* “The Central role of Calcium in Myocardial Contractility”. C.E. Denbow. Proceedings of the 19<sup>th</sup> Caribbean Cardiology Conference P.42-43 (2004).
- \* MF Smikle, R Wright-Pascoe, EN Barton, G Dave, **DT Gilbert**, E Choo-Kang, O StC Morgan. Autoantibodies, Human T Lymphotropic Virus Type 1 ad Type 1 Diabetes Mellitus in Jamaicans. *West Indian Medical Journal* 2002; 51(3): 153-6

- \* Barton, EN, Sargeant, LA, Samuels, D., Smith, R. James, J., Wilson, R., Smith, Falconer, H., Yeates, C., Smikle, MF, Gilbert, DT. A Survey of Chronic Renal Failure in Jamaica. *West Indian Medical Journal* 2004; 53 (2): 81-84.
- \* Simon, S. Stephenson, S., Whyte, K., Stubbs, M., Vickers IE, Smikle, MF, Gilbert, DT, Barton, EN. Prevalence of Chronic Renal Failure in the Diabetic Population at the University of the West Indies. *West Indian Medical Journal* 2004; 53 (2): 85-88.
- \* Antibiotic sensitivity of *Helicobacter pylori* in Jamaica. M.G. Lee, M. Arthurs, MF Smikle, G. Dowe, V. Levy and EN Barton, Annual Research Day – Poster presentation. University of the West Indies, Jamaica 2003.
- \* Test and Treat for *H. pylori* in patients with Dyspepsia. M.G. Lee. Evidence based International Continuing Health Education Conference. Montego Bay, Jamaica, October 2003.
- \* *H. pylori* infection, NSAID use and peptic ulcer disease. M.G. Lee. Evidence based International Continuing Health Education Conference. Montego Bay, Jamaica, October 2003.
- \* Histopathological Features in the Kidneys of Adults with Hemoglobin SS Disease. *WIMJ* Supplement. Nov. 2003

## **PUBLIC SERVICE**

### **Dr. Althea East-Innis**

- Member, Dermatology Association of Jamaica

### **Dr. Rosemarie Wright-Pascoe**

- Adjunct Professor, University of Miami
- Adjunct Faculty for the Williams J. Harrington Medical Training Programme for Latin America, University of Miami, School of Medicine (January 2004).

- Chairman, Board of Management, Mannings Hill All Age School
- 2<sup>nd</sup> Vice President, Association of Consultant Physicians of Jamaica
- Chairman, Education Committee, Medical Association of Jamaica

## **DEPARTMENT OF MICROBIOLOGY**

**Professor Monica Smikle, BSc (*UWI*), MSc (*Amst*), PhD (*UWI*),  
Dip. Clin. Microb. (*Lond*) – Head of Department**

### **WORK OF THE DEPARTMENT**

**D**uring the academic year 2003/2004 the Department of Microbiology remained fully engaged with a spectrum of activities.

There was no significant increase in the overall number of clinical specimens processed by the department (67,122) compared to the previous year (70,829). However, there was a small increase (0.5%) in the number of emergency clinical specimens processed, 2702 and 2716 in 2002/2003 and 2003/2004, respectively. Consultancy for blood tests on behalf of Medical Assessments Limited was discontinued after more than 3 decades. The company expressed appreciation for the excellent services the department had provided over the years. The department documents its gratitude to Dr Shoucair and Medical Assessments Limited for their longstanding support.



The department's activities were enhanced through training opportunities. Dr Gwendolyn Dowe, senior lecturer, participated in a workshop on "Health Research Ethics in the America's", University of Miami School of Medicine, September 2003 sponsored by Fogarty International. Professor Monica Smikle received a PAHO/WHO fellowship for attending the "Refresher Course on Immunology Vaccinology and Biotechnology Applied to Infectious Diseases", San Jose, Costa Rica, November 2003. Further opportunities for training overseas were taken up by Drs Ivan Vickers and Robert Sue-Ho, senior residents and graduate students in the final year of the DM medical microbiology degree program. Dr Vickers participated in a 6-month training course held in Japan, November 2003-April 2004 on "The development of laboratory diagnosis of drug-resistant microbes." Dr Robert Sue-Ho attended

"The Infection Control Course", Colindale Public Health Laboratories, United Kingdom, March 2004.

The research efforts in the department were supported by small research grants from overseas and local agencies and from the University. The plans for the coming year include the preparation of research proposals which will attract larger research grants. Professor Smikle received an award for outstanding research in the Faculty of Medical Sciences at the University of the West Indies Annual Research Awards Ceremony January 2004. Mr Lennox Pryce participated in training workshops on "WHO Global Salmonella Surveillance" in CAREC, Trinidad, August 2003.



Avinel Pounal, laboratory technician, was promoted to senior scientific officer effective April 2003 and Dahlia Ramsay, secretary II, was promoted to secretary III. Candace Powell was appointed senior secretary effective August 2003. Keisha Francis, Pelon Gayle and Claudine Thompson were appointed senior medical technologists effective March/April 2004. Karlene Lewis was recognized for 15 years service to the University at the Annual Long Service Awards Ceremony. Three senior medical technologists including Paula Robinson (September 2003), Ilene Pearce-Dennis (September 2003), and John Johnston (April 2004) resigned. David Grant, senior laboratory attendant (April 2004) and Jacqueline Coore-Hall, senior secretary (May 2004) also resigned their positions with the University.

Throughout the year the non-implementation of the plans to refurbish the department had substantial negative impact on the staff, equipment, library, other departmental property and activities. The department continues to be plagued with alternate episodes of flooding, collapse of electrical and telephone systems. The existing physical plant has celebrated its 50<sup>th</sup> anniversary without any renovations. The physical condition of the department of microbiology has been extremely demotivating to an otherwise dedicated and supportive staff. A major goal for the department in the coming year is obtaining affirmative action in the refurbishment process.

## **RESEARCH IN PROGRESS**

### **Professor M Smikle**

- Antimicrobial resistance and molecular studies of enterococci.
- Risk factors and aetiology of hospital acquired infection at the UHWI.
- The HLA human immunodeficiency virus associations in Jamaicans.
- The HLA and reactive arthritis.
- HLA and other molecular investigations on insulin dependent diabetes.

### **Dr G Dowe**

- Molecular studies on *Helicobacter pylori* infecting Jamaican patients.

- *Chlamydia trachomatis* and other microbial causes of reactive arthritis in Jamaicans.

**Dr J Lindo**

- Epidemiology of emerging opportunistic parasitic infections in persons living with HIV/AIDS in Jamaica.
- Epidemiology of *Angiostrongylus cantonensis* infection in Jamaicans.

**Mr O Heslop**

- The molecular epidemiology of the human immuno- deficiency virus – type 1 in Jamaica.

**Dr G L Saunders**

- Multiresistant *Escherichia coli*.
- *Escherichia coli* susceptibility to co-amoxiclav after 15 years of use.
- Ceftazidime- resistant *Salmonella enteritidis*.

**Dr K Roye-Green**

- Molecular typing of ceftazidime resistant *Klesbsiella pneumoniae*.

**Dr S Jackson**

- Viral respiratory tract infection.
- Viral central nervous system infection.
- Enteroviral infection.

**Dr A Nicholson**

- Epidemiology of nosocomial fungemia at the University Hospital of the West Indies.
- Mechanism of resistance in *Staphylococcus aureus*.

**PAPERS PRESENTED**

- “The epidemiology of bacterial infections in the neonatal unit at the University Hospital of the West Indies.” Y Bell, **M Barton**, M Thame, A Nicholson, H Trotman. Caribbean Health Research

Council 49<sup>th</sup> Annual Council and Scientific Meetings. Grenada, April 2004.

- “Urinary tract infection in Jamaican meonates with serious bacterial infections.” Y Bell , **M Barton** , A Nicholson , H Trotman. Caribbean Health Research Council 49<sup>th</sup> Annual Council Scientific Meeting. Grenada, April 2004.
- “Yields from paired blood culture bottles”. **G Saunders**, A Nicholson, K Roye-Green, P Akpaka, NC Bodonaik, S Jackson, MF Smikle. Faculty of Medical Sciences 12<sup>th</sup> Annual Research Conference, November 2003.
- “Multi-resistant *Escherichia coli*.” **G Saunders**, NC Bodonaik, S Jackson, MF Smikle. Faculty of Medical Sciences 12<sup>th</sup> Annual Conference. November 2003.
- “Declining trend of penicillin resistance in strains of *Neisseria gonorrhoeae* in recent years.” **NC Bodonaik**, RW Sue-Ho. Annual conference of infectious diseases society of America (IDSA). San Diego, California, October 2003.
- “Gonorrhoea in pediatric patients.” **NC Bodoanik**, RW Sue-Ho. 15<sup>th</sup> International Congress on Infectious Diseases (ICID). Cancun, Mexico. March 2004 .
- “Frequency of occurrence and antimicrobial resistance of community quired uropathogens encountered in Jamaica.” **NC Bodonaik**, RW Sue-Ho. 11<sup>th</sup> International Congress on Infectious Diseases (ICID). Cancun, Mexico. March 2004.
- “Dramatic increase of *Cryptococcus neoformans* meningitis at the University Hospital of the West Indies, Jamaica in recent years Comparision with the incidence in pre-AIDS era.” **NC Bodonaik**,
- S Moonah, A Nicholson, K Roye-Green, S Jackson, G Saunders, RW Sue-Ho. 11<sup>th</sup> International Congress on Infectious Diseases held in Cancun, Mexico. March 2004.
- “Penincillin resistance in strains of *Streptococcus pneumoniae* encountered in Jamaica.” NC Bodonaik, **O Heslop**, RW Sue-Ho. 49<sup>th</sup> Annual Caribbean Health Research Council (CHRC) meeting. Grenada, April 2004.
- “Comparison of duration of incubation to detect growth of true pathogens and contaminants from blood cultures.” **NC**

**Bodonaik**, S Moonah, RW Sue-Ho, P Akpaka. 4<sup>th</sup> International Congress on Infectious Diseases (ICID) held in Cancun, Mexico. March 2004.

- “Analysis of 370 culture proven gonococcal infections and antibiotic resistance in strains of *Neisseria gonorrhoeae* encountered in Jamaica.” **NC Bodonaik**, RW Sue-Ho, L Rainford. 11<sup>th</sup> International Congress on Infectious Diseases. Cancun, Mexico. March 2004.

## PUBLICATIONS

### Refereed:

- \* The prevalence of positive anticardiolipin antibody in Jamaican women with spontaneous abortion and the correlation with past clinical history. G Wharf, H Fletcher, **M Smikle**, J Federick, M Reid. *J Obstet Gynaecol.* 2004; 24: 452-4.
- \* “Prevalence of chronic renal failure in the diabetic population at the University Hospital of the West Indies.” S Simon, S Stephenson, K Whyte, M Stubbs, **I Vickers**, **M Smikle** D Gilbert, E Barton. *West Indian Med J.* 2004; 53: 85-8.
- \* “A Survey of chronic renal failure in Jamaica” EN Barton, LA Sargeant, D Samuels, R Smith, J James, R Wilson, F Smith, H Falconer, C Yeates, **MF Smikle**, DT Gilbert. *West Indian Med J* 2004; 53: 81-4.
- \* “Non-ulcerative sexually transmitted disease and human immunodeficiency virus infection in patients attending a sexually transmitted disease clinic in Jamaica.” **G Dowe**, **M Smikle**, E Williams, T Hylton-Kong, G Shorposner. *West Indian Med J.* 2004; 53:56-6.
- \* “Anticardiolipin, other antiphospholipid antibody tests and diagnosis of the antiphospholipid syndrome.” **M Smikle**, G Wharfe, H Fletcher, M Reid, **K Roye-Green**, J Federick, S Pierangeli. *Hum Antibodies.* 2003;12:63-6.
- \* “Failure to detect *Angiostrongylus cantonensis* in rats in Barbados.” PN Levett, KA Douglas, CA Waugh, RD Robinson, **JF Lindo**. *West Indian Med J.* 2004; 53:58.

- \* “Fatal autochthonous eosinophilic meningitis in a Jamaican child caused by *Angiostrongylus cantonensis*.” **JF Lindo**, CT Escoffery, B Reid, G Codrington, C Cunningham-Myrie ML Eberhard. *Am J Trop Med Hyg*. 2004; 70:425-8.
- \* “Decrease in the incidence of tetracycline resistance in strains of *Neisseria gonorrhoeae* in the nineties.” **NC Bodonaik**. *West Indian Med J*. 2003; 52:228-30.
- \* “Extented spectrum beta-lactamase producing organisms at the University Hospital of the West Indies. A Nicholson, P Gayle, K Roye-Green. *West Indian Med J* 2004; 53:104-108.
- \* “The emergence of *Stenotrophomonas maltophilia* as a pathogen at the University Hospital of the West Indies. AM Nicholson, D Castle, P Akpaka, I Tennant, M Nelson
- \* “Disseminated histoplasmosis and AIDS at the University Hospital of the West Indies. A case report.” **A Nicholson, L Rainford**, V Elliott, CDC Christie. *West Indian Med J* 2004; 53:126-130.

## CATEGORIES OF STUDENTS

### Undergraduate

The MBBS part II stage I examination April/May 2004 was the last of its kind because of the change in curriculum. Of 98 candidates from the Mona Campus, 83 (85%) were successful in this examination. The Louis Grant prize was awarded to Sanya Elizabeth Gayle.

### Postgraduate

Seven candidates were registered in graduate programs in Medical Microbiology. These include the doctor of medicine DM (4 candidates), PhD (2 candidates) and MPhil (1 candidate). The 3 candidates in the final DM examination May/June 2004 (Dr Ivan Vickers, Dr Robert Sue-Ho

and Dr Patrick Akpaka) were successful. In addition, 2 qualifying candidates were admitted to the MSc Medical Microbiology program. Both were successful in the departmental examination held June 2004, securing eligibility for admission to the program.

## **PUBLIC SERVICE**

### **Professor Monica Smikle**

- Member, Medical Laboratory Committee, Bureau of standards, Jamaica.
- Member, Standards Subcommittee on Medical Laboratory Services in the Caribbean, CAREC, Trinidad.
- Member, National Steering Committee for the Cariforum/EU Laboratory Development Project, Jamaica.

## **DEPARTMENT OF OBSTETRICS, GYNAECOLOGY AND CHILD HEALTH**

**Dr. Horace Fletcher, BSc, MBBS, DM *UWI*, MRCOG, FACOG**  
– Head of Department

## **WORK OF THE DEPARTMENT**

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

services) as well as Child Health dealing with medical problems, neonatology and psychological disorders.

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

### **Child health**



This department is comprised of two medical wards and one neonatal intensive care unit. The main subspecialties are infectious diseases, psychological disorders, cardiology, gastroenterology neonatology, nephrology, neurology and other medical conditions managed in conjunction with other specialties. Residents and medical students are taught and refer alls are accepted from the rest of the Caribbean. The section of Child Health successfully staged the academic conference Child Neurology for Practitioners May 1-2

2004. This conference saw excellent presentations by a multidisciplinary faculty of esteemed experts from Jamaica and the United States. There were

approximately 150 registrants including paediatricians, general practitioners, nurses physiotherapists, medical and nursing students

### **Minority International Research Training (MIRT) Programme**

#### **National Institutes of Health**

The MIRT programme, jointly coordinated by Michigan State University (MSU) and the Section of Child Health, and funded by the NIH is now in its eight year.

### **Obstetric Perinatal Service**

The Perinatal service hosts annual conferences in February run by Drs. Matadial, Kulkarni and Mullings. 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 2003, UWI, Mona, February 6-7, 2003 was attended by over 600 delegates. This was a joint effort between Obstetrics and Gynaecology and Neonatology with external review by practitioners from outside units. Special emphasis was placed on topics such as Genetic Counseling, Premature Birth and Neonatal Neurological Outcome.

### **Oncology Unit**

This is run by three Consultants Dr Fletcher, Dr Rattray and Dr Mitchell. The Unit is also run By Sister Nash 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.

### **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 and Vernon DaCosta as clinicians and Dr. Audrey Pottinger and Sister McKenzie as counselors. Two new staff members joined the programme in 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. A major break through 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.



## **STAFF**

### **Academic Achievements**

**Professor Joseph Frederick** has been elevated to a chair in Obstetrics and Gynaecology with the retirement of Professor Wynter who had served for thirty years. Professor Frederick also replaced him as the Director of the Fertility Management Unit

## **RESEARCH IN PROGRESS:**

### **Dr. M. Antoine**

- Comparison of Body Composition between Pregnancies of Teenage Girls and Mature Women and the Impact on Fetal Growth and Birth Outcome.

### **Dr. Kay Bailey**

- Parental knowledge, attitudes and beliefs toward asthma
- Parents' knowledge, concerns and misconceptions about immunization : The Jamaican perspective
- Impact of cockroach infestation on asthma symptoms in children 2-12 years old
- An assessment the effectiveness of asthma clinics in Jamaica
- Physician knowledge and practice concerning Caribbean asthma guidelines

### **Dr. M. Barton**

- The Clinical Epidemiology of Toxocariasis in Jamaican Children
- Pneumococcal serotypes and resistance patterns in children with Sickle Cell Disease: a comparative study between a developing country and a developed country
- Invasive Pneumococcal Disease in Canadian children with Sickle Cell Disease: pre and post-pneumococcal conjugate vaccine era

### **Professor Celia D.C. Christie**

- “Mega-trial of Safety and Efficacy of Pentavalent (G1, G2, G3, G4, and P1) Human Reassortant Rotavirus Vaccine in Healthy Infants”
- “Pediatric and Perinatal HIV/AIDS Leadership Initiative in Kingston, Jamaica”, International Leadership Award

**Dr. Vernon DaCosta**

- “The effect of pelvic peritoneal stripping on fertility rates in women with Endometriosis.”
- “A randomized controlled trial comparing the use of clomiphenene citrate with menogon for controlled ovarian hyperstimulation in couples undergoing intrauterine insemination.”

**Dr. Horace Fletcher**

- Phytoestrogens in Jamaican foods and the impact on hormone dependent disease such as breast cancer, ovarian cancer, endometrial cancer, prostate cancer, cardiovascular disease and osteoporosis.
- Cardiovascular disease and osteoporosis after hysterectomy
- Trace elements in placenta
- Mercury in Jamaican fish
- Twins and uterine fibroids

**Professor Joseph Frederick**

- Double blind randomized trial on the Use of Interceed on oviducts and incisions versus incision to increase pregnancy rates post myomectomy.
- Operative morbidity of patients undergoing myomectomy compared to abdominal hysterectomy
- The incidence of autoimmune antibodies in patients with recurrent abortions.
- Ovarian hyperstimulation syndrome in patients in patients undergoing controlled ovarian stimulation.
- Male infertility, incidence and aetiological factors and treatment options

**Dr Santosh Kulkarni**

- Evaluation of risk factors in renal disease in pregnancy
- Uptake of “Triple screen” for Down’s Syndrome by O/G practitioners in Kingston and St. Andrew
- AZT for reduction of mother-infant transmission of HIV in pregnancy, funding by EGF
- Perinatal Information System pilot project supported by PAHO

**Dr. Anthony Mullings**

- The effect of Iron (Fe) on abnormal menstrual bleeding (menorrhagia): (with Prof. HL Reid)
- The effect of Iron on haemoglobin during pregnancy per trimester in relation to foetal outcome. (with Prof. HL Reid)
- Obstetric team leader - HIV/AIDS Prevention of mother to child transmission in pregnant women (with Prof. C. Christie as the principal investigator).

**Dr. Russell Pierre**

- OSCE development in Child Health - evaluation of OSCE in the end-of-senior clerkship assessment 2002-2002.
- The frequency of CDC-defined clinical conditions among children with HIV/AIDS

**Dr. A. Pottinger**

- Peer and educator victimization of children and adolescents
- Relationship between violent death of a loved one and psychological well being in adolescent boys
- Parental attitude toward violence and its influence on children’s interpretation of and response to community violence
- Gender differences in coping responses and beliefs about infertility between Jamaican men and women undergoing In Vitro Fertilisation

**Dr. Carole Rattray**

- Treatment of Hyperemesis Gravidarum with Steroids.
- Sub-fascial haematomas following Pfannenstiel incision is a sub-fascial drain justified.
- Normal Semen analysis in Jamaica.
- Audit of Radical Hysterectomies done at the University of the West Indies.

**Dr. M. Samms-Vaughan**

- Health developmental and behavioural outcomes for Jamaican adolescents at 15-16 years old.
- Community, domestic and school violence in Jamaican children. Exposure and Effects.
- Autism in Jamaica, prevalence and presenting features.
- Child abuse in Jamaica: prevalence, presenting features and quality of care
- Psychosocial and academic correlates of stress in Jamaican adolescents: a biochemical study
- Parental stress in Jamaica
- Self esteem, school performance and behaviour in Jamaican adolescents
- The influence of parental presence on child behaviour and development

**Dr Kirk Thame**

- Multicenter Trial: Safety and Efficacy of Pentavalent Human-Bovine Reassortant Rotavirus Vaccine in Healthy Infants

**Dr Minerva Thame**

- Pregnancy Outcome and Maternal Weight Gain in Women with Homozygous SS Disease and Birth Outcome
- A Comparison of Body Composition between Pregnancies of Teenage Girls and Mature Women and the Impact on Fetal Growth and Birth Outcome.
- A comparison of anthropometry of mothers and infants within the puerperium with respect to maternal age.

#### **Dr Helen Trotman-Edwards**

- Pregnancy Outcome and Maternal Weight Gain in Women with Homozygous SS Disease and Birth Outcome
- A Comparison of Body Composition between Pregnancies of Teenage Girls and Mature Women and the Impact on Fetal Growth and Birth Outcome.

#### **PAPERS PRESENTED**

##### **Dr. Michelle Barton**

- **Trotman H, Barton-Forbes M**, Mitchell V. “Outcome of neonates admitted to the Intensive Care Unit at the University Hospital of the West Indies: a 15-year review.” UWI Medical Alumni eight international Medical Conference, Bahamas. November 2003
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**Prof. Celia D.C. Christie**

- “A Pediatric and Perinatal HIV/AIDS Leadership Initiative in Kingston, Jamaica”; University of the West Indies Medical Alumni Association, 7th International Conference, Nov 6-8, 2003, Nassau, platform presentation.
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- **P. Palmer, J. Moore**, C. McDonald-Kerr, C. Billings, M. Anderson-Allen, **CDC. Christie**. “Nursing Intervention in the Kingston Pediatric and Perinatal HIV Program.” 15<sup>th</sup> International HIV/AIDS Conference, Bangkok, Thailand, July 2004, Saving the newborns and looking beyond for all; International AIDS Society, Poster presentation, abstract ThPeB7025.
- **M. Geoghagen**, J. Farr, **R. Pierre**, I. Hambleton, **CDC Christie**. “TB and HIV Co-infections in Jamaican Infants and Children.” 15<sup>th</sup> International HIV/AIDS Conference, Bangkok, Thailand, July 2004, International AIDS Society, Abstract B11520.
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**Dr. Vernon DaCosta**

- “Management of postmenopausal bleeding,” The Junior Fellows of the American College of Obstetricians and Gynaecologists symposium, Kingston, Jamaica, July 2003.
- **“ART and Preterm Birth”**, Perinatal Conference 2004, UWI Mona Kingston, Jamaica, February 2004.
- **“Contraception for Adolescents”**, Pharmaceutical society of Jamaica continuing education seminar, Jamaica Conference Center, 12<sup>th</sup> October 2003,

**Dr. Horace Fletcher**

- Bazuaye P, Jackson M, Smikle M **Fletcher H, Rattray C**, McFarlane N “Hormonal contraception and cervical dysplasia in Jamaican women.” CHRC Bahamas 2003
- Levy N, Wierenga A, **Fletcher H**, McFarlane-Anderson N. “Blood pressure, nitric oxide levels and the glu298asp variant of endothelial nitric oxide synthase and pre-eclampsia in Jamaican women”, CHRC Bahamas 2003
- **Fletcher H** and Reid M “Risk factors for unplanned pregnancies in Jamaican University students” CHRC Bahamas 2003
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- **Johnson N, Fletcher H** and Reid M. “Effect of labour induction with misoprostol in pregnancy outcome in gravidas with pre-eclampsia”. Faculty Medical Sciences annual Scientific Research meeting 2003
- **Fletcher H.** “The impact of deportees on the epidemic of violent crime in Jamaica and the region”, Faculty Medical Sciences annual Scientific Research meeting 2003

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- **Fletcher H**, Hanchard B, Wharfe G, Blake G, Wolff C, Reynolds A, Waugh N and Reid M. “Multiple primary malignancies in Jamaica an epidemiological review”, CHRC Grenada 2004
- **Johnson N** and **Fletcher H**. “Effect of labor induction with Misoprostol on pregnancy outcome in Gravidas with preeclampsia.” ACOG district IV Meeting San Juan Puerto Rico October 2003.
- **Fletcher H**. “Current management of uterine fibroids.” ACOG district IV West Indies section annual conference, Knutsford Court Hotel Kingston, Jamaica 2004

#### **Professor Joseph Frederick**

- “Assisted Reproduction in Jamaica/The expectant mother.” Commonwealth Association of pharmaceutical society. Jamaica Grande Hotel, August 17<sup>th</sup>, 2003.

#### **Dr Santosh Kulkarni**

- “Comparison of Glucose, Lucozade™ and Choice™ in diabetic screening in pregnancy,” CHRC, Grenada 2004.
- “Thyroid disorders and postpartum depression,” CHRC, Grenada 2004

#### **Dr. Sharmaine Mitchell**

- “Epidemiology, screening and diagnosis of uterine cancer”, Grabham Society Clinical Symposium, LOJ Centre, Kingston, Jamaica, 2003.

#### **Dr. Anthony Mullings**

- “Clinician-Patient communication: Why a Caribbean perspective matters to South Florida,” (with Dr. D. Aarons.) (Sponsored by UM Bioethics program) Ethics Rounds, University of Miami, Florida, October 2003

- “CPC - A Case for Discussion,” October 2003

**Dr Audrey Pottinger**

- “The ADHD child and the family”. Conference on Attention – Deficit Hyperactivity Disorder, McCam Child Development Centre and Ministry of Education (Special Unit), Mona Visitors Lodge, May 28 and 29 2004.
- “Children’s issues of loss due to migration”. International Association for Counselling Conference 2004, Runaway Bay Heart Hotel, Ja, April 24-27, 2004.
- “Psychological evaluation”(of the newborn and beyond). 3<sup>rd</sup> Annual Perinatal Symposium, Department of Obstetrics, Gynaecology & Child Health, Main Lecture Theatre, Faculty of Medical Sciences, Feb 6 & 7, 2004.
- “Counselling for doctors who counsel”. Jamaica Orthopaedic Association, Symposium 2004, Kingston Hilton, Jan 17-18, 2004
- Hyatt C & James C. “Effects of violence on children living in inner city communities in Jamaica”. Fifth International Workshop of Latin America and Caribbean Psychology, Santiago de Cuba, Nov 10-14, 2003

- “Audience perception of coverage of news by the media”. Media Conference, Mona School of Business, UWI, October 25 2003

**Dr Maureen Samms-Vaughan**

- “Behavioural problems in Children with Neurological Disorders.” Child Health and Development Conference, Faculty of Medical Sciences, UWI, May 1-2 2004.
- “Attention Disorders in Children.” Jamaica Reading Association Conference. MICO College. April, 30, 2004.
- “The Significance of the Early years.” JTA Conference on Early Childhood Education. Renaissance Jamaica Grande Hotel, April 13-15 2004.
- “The Early Childhood Bill and Independent Schools.” Independent Schools Association Conference, Renaissance Jamaica Grande Hotel. March30-April 1, 2004.

- “The Effects of Violence on Children.” Jamaica Association of Social Workers Conference. Faculty of Social Sciences. March 2004.
- “Neuro-behavioural outcome of the Preterm Infant.” Perinatal Conference 2004. Faculty of Medical Sciences, February 6-7, 2004.

#### **Dr. Minerva Thame**

- “Age at adiposity rebound is a predictor of blood pressure and body composition in Jamaican children.” (Poster) 2003 Second World Congress on Fetal Origins of Adult Disease Brighton England
- “The role of maternal size and adiposity in programming HPA activity.” (Poster) Second World Congress on Fetal offspring blood pressure and Origins of Adult Disease 2003 Brighton England
- “Group B Streptococcus” – An unusual presentation Clinico Pathological Conference 2003
- “Health and Safety”. Early Childhood Education Conference. Jamaica Teacher’s Association April 2004
- “Performance in Homozygous Sickle Cell”. Caribbean Health Research Council Disease at the University Hospital of the West Indies. Guyana. 49<sup>th</sup> Annual Council and Scientific Meeting April 2004.

#### **Dr H Trotman**

- **Trotman H**, Lewis J. “Cardiac fibroma in a newborn infant.” Clinicopathological Conference October 2003.
- **Trotman H**, Barton-Forbes M, Mitchell V. “Outcome of neonates admitted to the Intensive Care Unit at the University Hospital of the West Indies: a 15-year review.” UWI Medical Alumni eight international Medical Conference, Bahamas. November 2003
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- **Trotman H**. “Outcome of neonates ventilated in the NICU and the impact on the outcome of VLBW infants.” Department of Obstetrics, Gynaecology and Child Health, Perinatal Conference February 2004.

#### **Dr Shaun Wynter**

- The Mirena (LNG-20) IUCD in Abnormal Uterine Bleeding. Cayman Islands Health Authority, Cayman Islands Hospital Endoscopic Surgery Conference. Marriott Hotel, Seven Mile Beach, Georgetown, GC, BWI, 16 Jan. 2004.

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- \* **Barton M**, Thame M, Melbourne R, Gabay L, Gray R. Recent resurgence of Tuberculosis in paediatric admissions at the University Hospital of the West Indies. *West Indian. Med J*. 2003; 52: 244-248
- \* Boyne M, **Thame M**, F. I. Bennett, C Osmond, J. P. Miell, TE. Forrester. relationship between circulating insulin-like growth factor-I (IGF-I), IGF-I binding proteins-1 and 2 and birth anthropometry: a prospective study. *J Clin Endocrinol Metab* 2003; 88:1687-1691
- \* **Thame M**, Osmond C, **Fletcher H**, Forrester T. Ultrasound derived fetal growth curves for a Jamaican population. *West Indian. Med J*. 2003;52(2):99-110.
- \* **Barton M**, **Thame M**, **Melbourne Chambers R**, **Gabay L**, **Gray R**. Recent Upsurge of Paediatric Tuberculosis at the

University Hospital of the West Indies. *West Indian Med J* 2003;52(3):244-248.

- \* Gardner JM, Powell CA, Thomas JA, **Millard D**. Perceptions and experiences of violence among secondary school students in urban Jamaica. *Pan American Journal of Public Health* 2003;14:97-103.
- \* Wierenga, AR, Branday JM, Simeon DT, **Pottinger A**, Brathwaite B. Motivation for and concerns about entering a medical programme". *West Indian. Med J*. 2003;53:304-310
- \* Walker S, Ewan-Whyte C, Chang S, Powell C, **Fletcher H**, McDonald D and Grantham-McGregor S. Factors associated with size and proportionality at birth in term Jamaican infants. *J Health Popul Nutr* 2003 21(2):117-26.
- \* Smikle M, Wharfe G, **Fletcher H**, Reid M, **Frederick J** and Pierangeli S. Anticardiolipin and other antiphospholipid antibody tests and diagnosis of antiphospholipid syndrome. *Human antibodies* 2003 12:63-6
- \* Lambert M C, Schmitt N, **Samms-Vaughan M E**, An JS, Fairclough M, Nutter CA. Is it prudent to administer all items for each Child Behaviour Checklist Cross Informant Syndrome? Evaluation of the psychometric properties of the Youth Self Report dimensions via confirmatory factor analysis and item response theory. *Psychological Assessment* 2003; 15(4): 530-568.
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- \* Nicholson AM, Rainford L, Elliott V, **Christie CDC**. Disseminated histoplasmosis and AIDS at the University Hospital of the West Indies. *West Indian Med J* 2004; 53 (2):126-130.

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- \* Bazuaye P, **Fletcher H** and McFarlane-Anderson N. Lifestyle and cervical dysplasia in Jamaica. *Int J Obstet Gynecol.* 2004;84:175-7.
- \* Sorhaindo A, Becker D, **Fletcher H**, Garcia S and **Mitchell S**. Exploring Knowledge and attitudes about emergency contraceptive pills among University students in Jamaica. A qualitative approach *West Ind Med J* 2004;53:33-38
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- \* **Christie CD**, Duncan N, **Thame K**, Heaton P, Onorato MT, Dallas M, **Smith H**, **Malcolm L**, Miller JM. Rotavirus Efficacy and Safety Trial (REST) in Jamaica: Evaluation of an Investigational Rotavirus Vaccine. Vaccines for Enteric Diseases, 3rd International Conference, Jamaica, June 2004, abstr 146.
- \* **Christie CD**. Pediatric and Perinatal HIV/AIDS Leadership Initiative in Kingston, Jamaica. 15th International HIV/AIDS Conference, Bangkok, Thailand, July 2004, Poster, Socioeconomic and Resource implications; International AIDS Society, Abstract TUPeE5369.
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- \* **J Steel-Duncan, R. Pierre**, T. Evans-Gilbert, B. Rodriguez, M. Smikle, **P. Palmer, S. Whorms**, I. Hambleton, P. Figueroa, **CDC Christie**. Uptake of interventions, outcomes and challenges in Caring For HIV-exposed infants in a resource poor setting. 15<sup>th</sup> International HIV/AIDS Conference, Bangkok, Thailand, July 2004, International AIDS Society, Abstract B10584.
- \* **R. Pierre, J. Steel-Duncan**, T. Evans-Gilbert, B. Rodriguez, **P. Palmer**, M. Smikle, **S. Whorms**, I. Hambleton, P. Figueroa, **CDC Christie**. CDC Defined Diseases and opportunistic infections among Jamaican Children with HIV/AIDS. 15th International HIV/AIDS Conference, Bangkok, Thailand, July 2004; Poster presentation, The big picture - numbers and



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- \* **Samms-Vaughan, M.** An analysis of children outside of the traditional school environment. Report submitted to the Inter-American Development Bank. March 2004.

- \* Belfer M, Mercer R, Perrin J. **Samms-Vaughan ME** (contributor). Fostering Child Well-Being. Integrating Mental Health and Health with a Children's Rights Perspective. *ReVista: Harvard Review of Latin America*. Winter 2004 19:604.

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- \* **Geoghagen M**, Farr J, **Pierre R**, Hambleton I, **Christie CDC**. "TB and HIV Co-infections in Jamaican Infants and Children"; *West Indian Med J* 2003; 52: (Suppl. 5); abstr 5-4
- \* **Geoghagen M**, **Pierre R**, Evans-Gilbert T, Rodriguez B, **Christie CDC**. "Tuberculosis, Chicken Pox and Scabies Outbreaks in a Home for Children with HIV/AIDS". *West Ind Med J*; 2003. 52: (Suppl. 5); abstr 2-5
- \* **J. Steel-Duncan**, **R. Pierre**, T. Evans-Gilbert, B. Rodriguez, **P. Palmer**, **S. Whorms**, M. Smikle, JP. Figueroa, **CD Christie**. Outcomes of infants born to women with HIV infection in Greater Kingston, 2002 – 2003. *West Indian Med J* 2003; 52: (Suppl. 6); abstr P-5;
- \* **N. Johnson**, **A. Mullings**, K Harvey, G Alexander, D. McDonald, E. Williams, **P. Palmer**, **S. Whorms**, JP Figueroa, **CD. Christie**. HIV positivity, uptake of interventions to reduce mother to child transmission and birth outcomes in Kingston. *West Indian Med J*; 2003. 52:(Suppl. 6);abstr P-6
- \* E. Walker, B. Mayes, H. Ramsay, H. Hewitt, **CDC. Christie**, B. Bain. A Cross-sectional retrospective analysis of socio-demographic factors and clinical outcomes in HIV-infected adolescents attending the Center for HIV/AIDS Research Education and Services in Kingston, Jamaica. *West Indian Med J*; 2003. 52: (Suppl. 6); abstr O-25

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- \* **Johnson N, Fletcher H** and Reid M. Effect of labour induction with misoprostol in pregnancy outcome in gravidas with pre-eclampsia *West Ind Med J* (Supp 6) 2003;22:52
- \* **Potter T, Fletcher H** and Reid M Vasopressin versus normal saline as haemostatic aids to dissection at vaginal hysterectomy. *West Ind Med J* (Supp 6) 2003 22:52
- \* Johnson N, **Fletcher H** and Reid M. Effect of preoperative depo medroxyprogesterone acetate on uterine myomata associated menorrhagia in women admitted for surgery (hysterectomy/myomectomy) *West Ind Med J* (Supp 6) 2003 36:52
- \* **Fletcher H.** The impact of deportees on the epidemic of violent crime in Jamaica and the region *West Ind Med J* (Supp 6) 2003 40:52
- \* WD Abel, **R Pierre, M Barton,** FW Hickling. "Interviewing skills of students in the final psychiatry Objective Structured Clinical Examination (OSCE)". *West Indian Med J* 2003; 52(Suppl.6): 39.
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- \* **Pierre R,** Wierenga A., **Barton M., Thame K,** Branday M., **Christie CD.** Student self-assessment in a pediatric Objective Structured Clinical Examination. CHRC, *West Indian Med J* Vol 53;P-59; 2004.
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- \* Mulrain Z, **Mullings A** and McCaw–Binns A. Patient satisfaction with care among antenatal patients at UHWI. Nursing Midwifery Conference, UWI, May 2004
- \* **R Pierre**, P Swaby, R Sue Ho, L Norman. “Innovative intervention for HIV/AIDS education and prevention in Jamaican adolescents”. 15<sup>th</sup> International AIDS Conference, Bangkok Thailand, July 11-16 2004; Poster presentation, A brighter future? New generations, new treatments. *International AIDS Society*. Abstract number: TuPeC4748.
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Jamaican children”. UWI HIV/AIDS Response Programme (UWIHarp) 2<sup>nd</sup> Scientific and Business Conference – HIV/AIDS: Research partnerships for action, June 10-13<sup>th</sup>, 2004, Kingston, Jamaica.

### **Non Refereed Journals**

#### **Letters**

- \* **Fletcher H.** One’s gain another’s drain *Newsweek* May 3<sup>rd</sup> 2004 page 8

#### **Book Chapters**

- \* **Wynter H** Gynaecological History and examination. Ch 1 pp 1-9 Roopnarinesingh’s Gynaecology. 2004 third edition Editor Bassaw B. Eniath Printers Trinidad
- \* **Matadial and Wynter S** Endoscopy Ch 11 pp 126-140 Roopnarinesingh’s Gynaecology. 2004 third edition Editor Bassaw B. Eniath Printers Trinidad
- \* **Bassaw B and Matadial L** Endometriosis Ch 14 pp 156-1167 Roopnarinesingh’s Gynaecology. 2004 third edition Editor Bassaw B. Eniath Printers Trinidad
- \* **Frederick J** Uterine Fibroids Ch 15 pp 168-174 Roopnarinesingh’s Gynaecology. 2004 third edition Editor Bassaw B. Eniath Printers Trinidad
- \* **Fletcher H** and Douglas C. Vulval lesions. Ch 23 pp 267-277 Roopnarinesingh’s Gynaecology. 2004 third edition Editor Bassaw B. Eniath Printers Trinidad
- \* **Hall J** and Persad H Tumours of the ovary Ch 26 pp 320-333 Roopnarinesingh’s Gynaecology. 2004 third edition Editor Bassaw B. Eniath Printers Trinidad

### **AWARDS and HONOURS:**

#### **Professor Hugh Hastings Wynter**

Received the “Community service award” at The Annual Clinical Meeting of the American College of Obstetricians and Gynecologists, Philadelphia, USA, 2004 for his many years of service to the region.

### **Dr Lennox Matadial**

Received honours from both The Grabham Society (July 2003) and The West Indies Section American College of Obstetricians and Gynecologists (Feb 2004) for his many years of service to the Region.

### **Dr Horace Fletcher**

International Journal of Obstetrics and Gynecology award (honorable mention) Best paper from a developing country 2003  
“A comparison of two methods of labour induction with vaginal misoprostol”

Given an award By The Principal best Researcher for the Faculty of Medical Sciences, UWI Awards Ceremony (In Recognition of Outstanding Researchers) 2004

Award from Grabham society for outstanding leadership July 2003

### **Dr Maureen Samms-Vaughan**

Paper entitled “Nutritional Status of 11-12 year old Jamaican children: Coexistence of under and over-nutrition” awarded best publication for the Faculty of Medical Sciences, UWI Awards Ceremony (In Recognition of Outstanding Researchers) 2004

## **INCOME GENERATION**

### **RESEARCH GRANTS:**

#### **Professor Celia Christie**

“Mega-trial of Safety and Efficacy of Pentavalent (G1, G2, G3, G4, and P1) Human Reassortant Rotavirus Vaccine in Healthy Infants”, Funded by *Merck and Co., USA*, \$ **1,406,520.00 USD**’s.

“Pediatric and Perinatal HIV/AIDS Leadership Initiative in Kingston, Jamaica”, International Leadership Award, Funded by the *Elizabeth Glaser Pediatric AIDS Foundation*, \$472,500.00 USD’s.

Pediatric HIV/AIDS in Jamaica. Funding from the Embassy of Jamaica, Washington, D.C., \$ 4,855.28 USDs.

Administrative Support of the “Kingston Pediatric and Perinatal HIV/AIDS Leadership Initiative” from the Principal’s Office, UWI and a

Research Fellowship in Pediatric Infectious Diseases and Epidemiology for Dr Julianne Steel-Duncan.

**Dr Horace Fletcher**

2003 \$49,000 Grant from Research and publication committee UWI. Mercury in Jamaican foods (Principal investigator)

2004 \$424,740 research grant from Caribbean Health Research Council. Phyto-oestrogens in Jamaican foods. (Principal investigator)

**Dr S Kulkarni**

Training in the use of the WHO partograph. Grant received for US\$50,000 to conduct training of doctors and midwives in selected Government Hospitals through UNFPA and Ministry of Health.

**Dr M Samms-Vaughan**

(with P.I.: Elsie Le Franc (Barbados), Dennis Brown (Trinidad) Source: Wellcome Trust, UK Title: Migration, family structures and morbidity from external causes. Annual direct costs: US\$ 755,330.00 (Jamaican site US \$302,000.00)

P.I.: **M. Samms-Vaughan** Source: IDB/ Ministry of Education Title: A comprehensive evaluation of children outside the traditional school setting. Annual direct costs: J\$ 3,000,000.00

P.I.: **M Samms-Vaughan**, M. Thorburn Source: UNCEF.

Title: Design of a system for screening referral and early intervention for children at risk in Jamaica. Annual direct costs: J\$300,000.00

**PUBLIC SERVICE:**

**Dr Anthony Mullings**

- Academic Board (Mona) representative, University Board for Undergraduate Studies
- Chairman, University Health Services Committee (Mona)
- Member, adhoc committee developing a research ethics policy and guidelines for the UWI
- Member, Board of the Mona Institute of Medical Sciences

- Member, UWI Mentorship programme.

**Dr. Maureen Samms-Vaughan**

- Chairman, National Early Childhood Commission of Jamaica
- Member, National Council on Education
- Consultant/advisor, PAHO/UNICEF in the area of child development and behaviour
- Child Development Consultant, UNICEF
- Child Development Consultant, to the IDB
- Board Member, Vaz Preparatory School
- Board Member, Queens High School
- Member, Society for Developmental and Behavioural Paediatrics, USA

**Dr. Roxanne Melbourne-Chambers**

- Consultant, UNICEF on the development of a curriculum on breast-feeding for medical and nursing staff and students.

**Prof. Robert Gray**

- Consultant, to UNICEF in the development of a screening programme for general health problems in children.

**Dr. Antoine, M.**

- Chairman, Education Committee, Paediatric Association of Jamaica
- Member, Juvenile Advisory Council

**Dr. Bailey, K.**

- Volunteer paediatrician for Asthma clinic at Mandeville Hospital (2<sup>nd</sup> Fridays)

**Dr. Barton, M.**

- Paediatrician for Pentab Nursery (inner city nursery)
- Teacher/ Counsellor for Inner City Children Outreach Project.

**Dr. Melbourne-Chambers, R.**



- Vice President, Paediatric Association of Jamaica Professional Societies/Activities

**Professor Christie, C. D.**

- Fellow, Infectious Diseases Society of America
- Member, Pediatric Infectious Diseases Society of America
- Member, HIV Medicine Association of America, Founding
- Member, International Association of Physicians in HIV/AIDS Care
- Board Member, Bank of Nova Scotia Jamaica Limited and Bank of Nova Scotia Jamaica Life Insurance Company Ltd
- Member, Private Sector Organization of Jamaica, Corporate Governance Committee
- Member, HIV Medicine Association of America, Inaugural
- Member, Pediatric Infectious Diseases Society of America

**Dr. Vernon DaCosta**

- Member, Kiwanis Club of Liguanea

**Dr. Horace Fletcher**

- Vice Chairman, West Indies Section American College of Obstetricians and Gynecologists
- Member, International Committee to review Screening for Cancer Cervix in the Caribbean

**Professor Joseph Frederick**

- Member of Grabham Society (Jamaican Association of Obstetricians and Gynaecologists)
- Member, Pacesetters Toast Masters Club.

**Dr. Millard, D.**

- Chairman, Bustamante Hospital Management Committee
- Chairman, Adoption Board
- Member, Board of the South East Regional Health Authority

- Member, Child Development Agency Advisory Board
- Adviser, Ministry of Health Rheumatic Fever/Rheumatic Heart Disease Prevention Programme

**Dr. Sharmaine Mitchell**

- Examiner, Caribbean Medical Council
- Gynaecologist, Grants Pen and Stella Maris Foundation Outreach Programme

**Dr. Pottinger, A.**

- Vice President, Jamaica Psychological Society
- Consultant, University Council of Jamaica
- Consultant, Children Homes, United Church of Jamaica and Grand Cayman
- Member, Steering committee, Psychological Support Team, Jamaica Red Cross
- Board member, McCam Child Development Centre

**Dr. Thame, K.**

- Secretary, Paediatric Association of Jamaica

**Dr. Thame, M.**

- Volunteer, Paediatrician Best Care Lodge Children's Home
- President, Paediatric Association of Jamaica
- Member, UNICEF Committee for the revision of breast feeding training curricula for medical and nursing staff

**Dr. Trotman, H.**

- Member, Paediatric Association of Jamaica (PAJ Executive)
- Editor of "The Pickney", PAJ quarterly newsletter
- Member, Paediatric Association of Jamaica Educational Committee
- Member, Paediatric Association of Jamaica Planning Committee for the 14<sup>th</sup> Biennial International Conference
- Member, Breastfeeding Committee UHWI

**Dr Maureen Samms-Vaughan**

- Chairman, National Early Childhood Commission of Jamaica
  - Member, National Council on Education
  - Member, Promise Learning Centre Special Ed. School Board
  - Member, The Queens High School Board
  - Founding Member, Children's Issues Coalition, UWI
  - Member, Red Cross Voluntary Mental Health Emergency Responder Team
- 
- Member, Caribbean Early Childhood Association
  - Member, Vaz Preparatory School Board

**Dr Shaun Wynter**

- Member, Freemasons Lodge

**CATEGORIES OF STUDENTS:**

Two postgraduate students were successful at the DM Paediatrics Part II (final) examinations held at the Mona Campus this year. These students were from the Mona Campus. Three postgraduate students were successful at the DM Part I examination.

**Obstetrics & Gynaecology**

This year is the second year of the introductory lectures to the preclinical students which is part of the urogenital module. This was done concurrently with the weekly lectures to the students under the old system.

All 5 candidates were successful in the November/December 2003 MBBS examinations and 90 out of 92 students were successful in the May/June 2004 exams. Two students received distinction and five received honors in Obstetrics and Gynaecology.

The undergraduate exam was reviewed by a team chaired by Professor Ramsewak University examiner. Minor changes were made to make the clinical exam more uniform across the campuses.

Five candidates were successful in the Doctor of Medicine in Obstetrics and Gynaecology in the May/June examinations.

## DEPARTMENT OF PATHOLOGY

**Professor Barrie Hanchard, MB BS, FRCPC, FRCPEdin**  
– Head of Department

### WORK OF THE DEPARTMENT

#### TEACHING

##### Undergraduate and postgraduate courses

**T**he department continues to execute teaching programmes for both undergraduate and postgraduate students. The class of 2005, the last of those being taught under the 'old curriculum' sat final examinations in Pathology and Microbiology in April/May 2004. Of 98 students sitting the examination, 83 were successful; two (2) passed with Honours. The class medal for the most outstanding overall performance was awarded to **Miss Tamara Greaves** and the **Professor Stanley Brooks** prize for the best performance in Pathology was awarded to **Miss Kamile West**.

The bulk of the undergraduate didactic teaching related to the classes of 2006, 2007 and 2008. These classes comprise those being taught under the new curriculum which being modular in nature requires heavy involvement of the academic staff in Pathology with regards to the basic pathology input in all modules. In addition, those of the resident staff appointed as Teaching Assistants have been assisting the Anatomy Section of the department of Basic Medical Sciences in histology practical

classes. The class of 2006 sat the first B. Med. Sci. examination in May 2004. Of 105 candidates, 93 were successful; 35 passed with Honours and 3 passed with Distinction. Unsuccessful candidates sat supplemental examinations in June.

Postgraduate teaching leading to the DM Anatomical Pathology, the DM Clinical Haematology and the DM Laboratory Haematology degrees continued for a full complement of postgraduate students. A revision of the postgraduate programmes in Haematology has

resulted in the current programmes in Clinical Haematology and Laboratory Haematology combined to form a single programme, the DM Haematology course. As of 2004 all postgraduate Haematology candidates will be registered for this programme.



There were no candidates graduating from the various programmes during the year under review. Three are due to sit the part I examination in Anatomical Pathology in October 2004; one will sit the final examination in Clinical Haematology and one will sit the final examination in

Laboratory Haematology.

The exchange programme in Anatomical Pathology whereby senior residents complete 6-month rotations at the University of Fort de France in Martinique has been in abeyance for the past year due to a lack of candidates at a stage senior enough to benefit from the rotation. It is intended to restart the programme during the next academic year if funds supplied by the French government for the project are once again made available.

Courses in Basic and General Pathology were also taught by members of the Academic and Resident staff to undergraduates at the University of Technology in the BSc Pharmacy programme, at the University of the West Indies to undergraduates in the BSc Physical Therapy programme and to students in the School of Radiography at the University Hospital of the West Indies.

### **Staff**

Four members of staff earned senior promotions during the year. **Drs. Kathleen Coard** and **Dipak Shah** were promoted to Professor; **Drs. Gilian Wharfe** and **Suzanne Shirley** were promoted to Senior Lecturer.

The introduction of the new curriculum has resulted in several members of staff being heavily involved in the planning and execution of the curriculum. Dr. Eric Choo-Kang and Dr. Elaine Williams serve on the Curriculum Committee, as well as on the Stage II Planning Committee along with Dr. Nadia Williams and Dr. Gilian Wharfe. Drs. Escoffery, Wharfe and Williams serve as Module Leaders.

Dr. Donavon McGrowder who was appointed Lecturer in Chemical Pathology to succeed Dr. Harold Chan on his retirement, enrolled at

the Royal Brompton Hospital in Chelsea, UK for a one year course in clinical chemistry and is expected to join the staff in September 2004 upon completion of the course.

Dr. Tracey Gibson was accepted at the University of Glasgow, Scotland for the MSc course in Molecular Genetics. She will begin the course in September 2004.

Dr. Karen Bishop was awarded a six-month Fellowship in Paediatric Pathology at the Hospital for Sick Children in Toronto beginning January 2005.

The staff in Anatomical Pathology established ties with staff at the Norman Manley Law School with respect to the exchange of information related to forensic pathology. A number of formal seminars have been conducted by a Senior Tutor from the Law School aimed at increasing the understanding between legal and medical personnel in medico-legal procedures.

Several members of staff have had the opportunity to further develop their skills through attendance and presentations at conferences and seminars locally and overseas. The teleconferences arranged and sponsored by the American Society for Clinical Pathologists (ASCP) continue to play a significant role in continuing medical education for the department.

### **The Laboratories**

The project undertaken by the Special Projects Unit of the Mona Campus to refurbish the laboratories has been completed. The subdepartments of Chemical Pathology and Haematology now occupy newly completed laboratories suitably equipped to provide routine and special tests commensurate with the role of such laboratories in a Teaching Hospital. The final phase of the laboratory improvements will see computerization of the laboratories through a laboratory information system that will increase access to reports in the wards and clinics of the hospital taking advantage of the automated laboratory equipment that has been newly acquired.

All laboratories have expanded their portfolios of routine and special tests. In Surgical Pathology there has been the significant addition of immunohistochemistry as a special test to enhance the diagnostic capabilities in tumor pathology with the acquisition of a fairly comprehensive list of monoclonal antibodies relative to this technique. In Chemical pathology the acquisition of special kits relative to the generation of tests on endocrine function has improved diagnostic capabilities and management facilities for those practicing endocrinology and has facilitated the work of the In-vitro Fertilization Unit (IVFU).

Several members of the laboratory staff have taken steps to improve their laboratory skills through training programmes, diploma and degree courses. In Surgical Pathology Miss Gillian Mignott completed a course in Medical Microbiology at the London School of Hygiene and Tropical Medicine and Miss Hamlyn Scott and Mrs. Carol Rowe successfully sat the Diploma in Histology offered by the Caribbean Association of Medical Technologists. In Cytology Mrs. Kerine Hay returned to the Unit after having completed a one year course in Cytology at the Sloan Kettering Cancer Institute in New York, USA.

## **RESEARCH**

The department continues to maintain a high research output in several specific areas. Chief among these is the HTLV-I project, a joint collaborative research project between the department and the Viral Epidemiology Branch of the National Cancer Institute/The National Institutes of Health, (NCI/NIH) Bethesda, Maryland, USA. This project which has been in existence since 1983 has as its main objective the investigation of all aspects of HTLV-I infection in Jamaica. Over the years various aspects of the epidemiology, disease associations and natural history have been thoroughly researched. For the year under review the

research has been concentrated primarily on HTLV-I infection in Adults including the development of a cohort of blood donors and the further registration of HTLV-I lymphoma/leukemia patients in the island. Data collected in previous years related to the study of HTLV-I infection in families is being analyzed and the treatment protocol for HTLV-I lymphomas and leukemias being executed in conjunction with NCI/NIH is still in progress.

Other major research projects being conducted in the department include several protocols involving diseases of the breast, studies on colo-rectal cancer and the analysis of data related to the now completed prostate cancer study. The breast cancer research project

was given increased impetus when agreement for collaboration was officially certified with the Moffitt Cancer Center and Research Institute, Tampa, USA with further protocols being planned, between the department and the institute.

The Jamaica Cancer Registry, housed in the department still provides data for research related to cancer epidemiology. With the expansion of the terms of reference of the registry to include not only data on cancer incidence but also data on cancer mortality, the registry now provides data for comprehensive analysis of cancer epidemiology in Jamaica. This has been significantly aided by the recently installed computer programming designed specifically for Jamaica by collaborators at the International Agency for Research on Cancer and the International Association of Cancer Registries.

Members of the Academic Staff are also involved in research that is particularly related to their subspecialties. These include renal pathology (Prof. D. Shah) liver and gastro-intestinal pathology (Prof. B. Hanchard, Dr. N. Williams, Dr. D. Brady-West) Neuropathology (Dr. G. Char, Dr. J. Jaggon) immunopathology, (Dr. E. Williams) cardiovascular pathology (Prof. K. Coard) autopsy pathology (Dr. C. Escoffery, Dr. S. Shirley, Dr. T. Gibson) breast pathology and cytopathology (Dr. S. Shirley, Dr. C. Escoffery) haemophilia and other haematologic diseases (Drs. G. Wharfe, D. Brady-West, J. Taylor-Houston, L. Buchner) nutritional and chronic diseases (Dr. E. Choo-Kang, Prof. F. Bennett) paediatric pathology (Dr. K. Bishop). Cancer registration (Prof. B. Hanchard, Dr. G. Blake, Dr. T. Gibson)



The various research programmes in the department earned two of the awards in the Faculty at the recent Research Day Awards ceremony. The HTLV-I project again received the Award for the “*Project attracting the most funds*,” and Professor Coard received an award for “*most outstanding researcher*.”

Details of the major Projects and funding are as follows:

- i) HTLV-I – (investigators) Prof. B. Hanchard (Principal), Mrs. B. Cranston (Manager) Funding US\$4,000,000, (2001-2005) Dr. G. Wharfe, Dr. E. Williams, Dr. N. Williams, (Prof. R. Wilks)
- ii) Breast Cancer – Dr. S. Shirley (Principal), Dr. C. Escoffery, Dr. E. Williams, Dr. G. Wharfe, (Dr. D. Soares), (Dr. D. Mitchell), (Prof. R. Wilks)
- iii) Colo-rectal – Dr. D. Brady-West (Principal), Cancer Prof. B. Hanchard, Dr. N. Williams, (Dr. M. Newnham), (Dr. M. McFarlane), (Prof. M. Lee), (Dr. M. Reid), (Professor P. Fletcher)
- iv) Renal & Hepatic Cadmiun Levels in Humans – Dr. N. Williams (Principal), (Prof. G. Lalor), (Dr. R. Rattery), (Dr. P. Wright)

\*Bracketed names indicate extra-departmental co-investigators.

## PAPERS PRESENTED

**At the 12<sup>th</sup> Annual Research Conference of the Faculty of Medical Sciences, UWI, Mona, Jamaica.**

- “Aortic dissection at the UHWI” Coard KCM, Skeete DH-A
- “Renal histopathological changes in adults with Haemoglobin SS disease” Shah D
- “Non-gynaecologic exfoliative cytology at the University of the West Indies, 1997-1979. Shirley SE, Escoffery CT, Sargeant LA, Sutherland M, Gray J, Hay KK.
- Clinico-pathologic features of male breast cancer in Jamaica” Shirley SE, Escoffery CT

**At the 9<sup>th</sup> Annual Symposium of the Jamaican Orthopaedic Association, Kingston, Jamaica.**

- “Peculiarities of Soft Tissue Tumours” Blake GO
- “Needle biopsy of musculoskeletal Tumours” Shirley SE
- “Statistics relating to Musculoskeletal Tumours” Coard K

**At the Grabham Society Symposium, Kingston, Jamaica**

- “Epidemiology and Screening of Cervical Cancer” Williams NP
- “Cervical Cancer in Jamaica- Incidence and Mortality” Hanchard B

**At the 10<sup>th</sup> Annual Scientific Symposium of the Jamaican Association of Clinical Pathologists**

- “ ‘A B C’ of Hepatitis in Transfused Patient” Williams NP
- “Blood Substitutes – Hope or Hype?” Buchner LM

**At the CME Symposium, University Health Centre**

- “Update on Colorectal Cancer, Pathogenesis and Screening” Williams NP

**At the 3<sup>rd</sup> Annual Perinatal Conference, UHWI, Jamaica**

- “The Pathology Report” Bishop K.
- “The Pathology of Prematurity” Bishop K.
- “Periventricular Leukomalacia” Jaggon J.

**At the 18<sup>th</sup> Annual Meeting of the Association of West Indian Gastroenterologists, Montego Bay, Jamaica.**

- “The role of the GI Pathologist” Riddell R, Williams NP

**At the Caribbean Neuroscience Symposium 2004, University Hospital of the West Indies**

- “Classification of Meningiomas” Jaggon J.

**PUBLICATIONS**

**Refereed**

- \* Bilateral synchronous carcinoma of the male breast in a patient receiving Estrogen for carcinoma of the prostate: Cause or coincidence? **Coard KCM**, Skeete DH-A, *Southern Med J*; 97:308-310, 2004
- \* Use of Gleason system in international comparisons of prostatic adenocarcinomas in blacks. Freeman VL, **Coard KCM**, Wojcik E. Durazo-Arvizu R. *The Prostate* 58: 169-173, 2004
- \* Androgen and vitamin D receptor expression in archival human breast tumours: Krishan A, Arya P, Ganjei-Azar P, **Shirley SE**, **Escoffery CT**, Nadji M. *Cytometry Part B: Clinical Cytometry* 58B:53-60, 2004
- \* Fatal autochthonous eosinophilic meningitis in a Jamaican child caused by *Angiostrongylus cantonensis*: Lindo JF, **Escoffery CT**, Codrington G. Cunningham-Myrie C. Eberhard ML. *American Journal of Tropical Medicine and Hygiene* 70:2425-8;2004
- \* Fatal Poisoning in Jamaica: A coroner's autopsy study from the University Hospital of the West Indies: **Escoffery CT**, **Shirley SE**, *Medicine, Science and the Law* 44:116-120, 2004
- \* Chlamydia trachomatis, Herpes SimplexVirus 2 and Human T-Cell Lymphotropic Virus Type I are not associated with grade of cervical neoplasia in Jamaica colposcopy patients. Castle PE, **Escoffery C**, Schachler J, Rattray C, Schiffman M, Moncada J, Sugai K, Brown C, Cranston B, **Hanchard B**, Palefsky JM, Burk RD, Hutchinson ML, Strickler HD. *Sexually Transmitted Diseases* 30:575-580; 2003
- \* A cohort study of health effects of human T-cell lymphotropic virus type I infection in Jamaican children. Maloney Elizabeth M, Wiktor Stefan Z, Palmer Paulette, Cranston Beverley, Pate Ernest J, Cohn Sylvia, Kim Norma, Miley Wendell, Thomas Terry L, Blattner William A, **Hanchard Barrie**. *Paediatrics* 112:136-142; 2003
- \* Seroincidence of human T-cell lymphotropic virus type 1 infection and characterization of seroconverters in Jamaican food handlers. Van Veldhuisen P. C., Walters M, Sawada T, Levine PH, Wilks R, **Hanchard B**. *J Acquired Immune Deficiency Syndrome* 3:387-392; 2003

- \* Human T-cell lymphotropic virus type 1 (HTLV-I): the forgotten retrovirus? **Hanchard Barrie** *Postgraduate Doctor Caribbean* 19(e):72-74; 2003
- \* The relationship among circulating Insulin-like Growth Factor (IGF)-1, IGF-Binding Proteins -1 and -2, and birth anthropometry: a prospective study. Boyne MS, Thame M  
  
**Bennett FI**, Osmond C, Miell JP, Forrester TE. *J. Clin Endocrinol Metab* 88:1687-1691; 2003.
- \* Placental separation from a seatbelt injury due to severe turbulence during aeroplane travel **Wharfe GH**, Fletcher HM, Mitchell SY, *Journal of Obstetrics and Gynaecology* 23:1, 73-74; 2003
- \* Gynaecologic cancer incidence, Kingston and St. Andrew, Jamaica, 1973-1997, and gynaecologic cancer mortality, Jamaica, 1999. **Blake G, Hanchard B, Gibson T**, Wolff C, Samuels E, Waugh N, Simpson D. *West Indian Med. J.* 52(4):256-335; 2003
- \* High-grade sarcoma of the uterine corpus with heterologous elements and synchronous adenocarcinoma in an endocervical polyp. **Coard KCM**, Gaskin DA, Nepaul I. *West Indian Med J.* 53: 56-58, 2004
- \* Acute subdural hematoma without subarachnoid haemorrhage carried by rupture of an intracranial aneurysm. **G. Blake**, C. Ramjit, **G. Char**. *West Indian Med. J.* 52(1):80-81; 2003
- \* Granulosa cell tumour of the ovary with bilateral mature teratomas. **G. Char**, C. Ramjit, H. Fletcher, W. Harvey. *West Indian Med. J.* 53(2):135; 2004
- \* Provirus load in breast milk and risk of the mother-to-child transmission of human T-lymphotropic virus type I. Li Hong-Chuan, Biggar Robert J, Miley Windell J, Maloney Elizabeth M, Cranston Beverley, **Hanchard Barrie**, and Hisada Michie. *The Journal of Infectious Disease* 190:1275-8; 2004
- \* Utility of rapid staining of fine needle aspiration smears at the University Hospital of the West Indies. **Shirley SE, Escoffery CT** Reid M, Hay KK, Sutherland M, Gray J. *West Indian Med. J.* 52:34-6; 2003

- \* Heart Weight and Heart Weight/Body Weight Ratios in a Jamaican Adult Autopsy Population: A Preliminary Study. **Coard KCM**, Jackson M. *West Indian Med. J.* 52: 41-44; 2003
  
- \* The management of isolated splenic abscess: Plummer JM, **Gibson TN**, Newnham MS, Donald AH, West Indian Med J, 53:201-2004

## **DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE**

**Professor Archibald McDonald MB BS, FRCSEd, FACS, DM  
(Surgery) *UWI* – Head of Department**

### **WORK OF THE DEPARTMENT**

**T**he Department continues to explore innovative ways to transform itself into a research oriented organization which provides an atmosphere that facilitates an excellent learning experience for its students and a level of patient care which is no different from that available in the best clinical Departments worldwide. This has to be achieved with a shrinking budget at the UWI as well as at the UHWI. The department therefore recognizes and supports the need for the faculty to intensify its income generation efforts such as increasing the intake of medical and nursing students and expansion of the Mona Institute of Medical Sciences.

Links were established with Departments of Surgery at Yale University and University of Toronto. Several staff members and graduate students visited the hospitals attached to the University of Toronto and were trained in various areas. Collaborative work in Breast Cancer research was strengthened with the Department of Pathology at UWI. Agreement was reached with the TMRI to collaborate in the area of Retinal Diseases in Sickle Cell Disease patients, and the Health Economics of Injuries. An Ophthalmologist has been assigned to the Sickle Cell Research Unit.

The format of the final examinations in the undergraduate programme was changed in that the clinical and oral components were combined into one examination. The examinations were conducted more efficiently and the process shortened. This was achieved without compromising standards and the contact time with

examiners and students was not changed. The Department received the best results ever in the Final Surgery examination with one distinction and eight honours.

Our graduate programmes continue to grow and there are presently 122 graduate students in Surgery, Anaesthesia and Intensive Care, Radiology and Emergency Medicine. We achieved the best ever results in our



postgraduate examinations with over 50% of students being successful in all 4 subjects in the Part 1 Surgical examinations. Fifteen students were awarded DM degrees. The DM Ophthalmology programme was started with 5 graduate students. In Anaesthesia and Intensive Care the Part 1 DM Examination received reciprocity with the Part 1 of the British Fellowship Examinations.

The Annual Departmental Retreat was held in July 2004 at the Mona Visitor's Lodge. All our programmes were reviewed and discussions held as to how they can be improved to achieve the Department's Strategic Objectives.

#### **Staff movements/recognitions**

Dr Derek Mitchell	– promoted to Senior Lecturer
Dr REC Rose	– promoted to Senior Lecturer
Dr Wayne West	– promoted to Senior Lecturer
Prof. Peter Fletcher	– appointed Acting CEO, UHWI.
Dr Maria Nelson	– awarded Indefinite Tenure
Dr Paul Ramphal	– awarded Indefinite Tenure
Dr Michael McFarlane	– awarded Indefinite Tenure
Dr Hyacinth Harding-Goldson	– Crossed the Merit Bar
Dr. Michael James	– Crossed the Merit Bar

#### **New Appointments**

Dr Anthony Williams	– Consultant Anaesthetist
Dr Lizette Mowatt	– Consultant Ophthalmologist
Dr Esther Bowie	– Consultant Ophthalmologist

### **Continuing medical education/outreach**

#### *Conferences/workshops organized:*

Advanced Trauma Life Support Courses, Faculty of Medical Sciences, Mona, Kingston, January 24 & 25 and July 24 & 25, 2004.

The Jamaican Anaesthetist Association Annual Conference, October 27, 2003, Mona Visitors Lodge, Kingston.

UWI Caribbean Neuroscience Symposium, Main Lecture Theatre, January 5 & 6, 2004.

Jamaica Emergency Medicine Association, Third Annual Conference, Jamaica Pegasus, Kingston, March 28, 2004.

Jamaica Orthopaedic Association's 9th Annual Symposium, the Jamaica Hilton Hotel, January 17 & 18, 2004.

Urological Society Conference, Jamaica Pegasus Hotel, February 22, 2004.

Association of Surgeons in Jamaica, 46th Annual Conference, Ocho Rios, May 15 & 16, 2004.

Departmental Clinical Research Meeting, Faculty of Medical Sciences, Mona, UWI. May 14, 2004.

Codman Neurosurgery Week, Main Lecture Theatre, February 16-20, 2004.

Second Bill Dennis Memorial Lecture, Faculty of Medical Sciences, Mona, June 16, 2004.

### **Lectures:**

#### *Surgical Grand Round Lectures*



“Benefits of Medical Protection Society.” Karen James, Representative, MPS, Jamaica.

“Injuries in Cricket in South Africa.” Dr Stretch, Sports Medicine Specialist, Cook University, South Africa.

“Important Guidelines in the Management of Musculo-Skeletal Tumours in Children.” Robert Grimer, Royal Orthopaedic Hospital, Birmingham, England.

“MAJ Insurance Fund – Its Relevance in Jamaica Today.” Mr. Winston St. Elmo Whyte, Consulting Actuary & Director, FIRM Insurance Brokers Limited, Senior Lecturer in Mathematics & Computer Science, UWI.

“Colorectal Neoplasia” – Dr Adedayo Mokuolu, North General Hospital, New York, USA.

“Breast Cancer: Your Best Protection is Early Detection” Dr. Sydney G. McCalla, Lincoln Medical & Mental Health Centre, New York, USA.

“Management of the Mangled Extremity: Using Your Brain is Better than any Severity Score” Dr. Robert Feibel, University of Ottawa, Ontario Canada.

“Tibial Plafond Fractures: Pitfalls & Pearls”. Dr. Robert Feibel, University of Ottawa, Ontario Canada.

“How to do Research” Dr Darrell O’Gilvie-Harris, University of Toronto, Canada.

“Anaemia in the Intensive Care Unit” Dr Daniel Castillo, Jackson Memorial Hospital, Miami, USA.

#### **Rural Rounds:**

Members of the Section of Surgery have continued the outreach programme of visits to rural hospitals and participating in ward rounds and surgical consultations.

Members of the Division of Emergency Medicine made visits to rural institutions and gave lectures on topics related to Emergency Medicine.

#### **Benefactions/sponsorship received**

J\$1 million from Bank of Nova Scotia for A&E Unit

J\$75,000.00 Clinical Research Meeting sponsorship

US\$1,000.00 from Rev. Carmen Stewart

### **Donations Made**

J\$ 49,000.00 to Nursing staff welfare: surgical wards, operating theatres, surgical outpatients clinic and Accident and Emergency Division

J\$222,670.00 to Office staff welfare

\$56,600.00 for Sponsorship of Nurses to attend conferences/book token prizes

J\$10,000.00 for Sponsorship of Resident

J\$21,000.00 for Contribution to Annual Faculty Research Conference

### **RESEARCH IN PROGRESS**

- Data Collection on the Trauma Registry continued. Up to July 31, 2004, 7500 patients have been entered. To date there are five publications and sixteen abstracts from the database.
- The department is collaborating with the TMRI and the Department of Economics to study the impact of injuries on the Jamaican Economy.
- The Division of Neurosurgery is collaborating with Dalhousie University to study “Traumatic Injury in Jamaica”. Data collection was completed in June 2004.
- The Breast Disease project, a collaborative study between the Departments of Surgery & Pathology, was expanded to include the Moffitt Cancer Centre, Florida. Data collection continued.
- Dr Paul Ramphal continued work on the Computer – assisted Cardiac Surgical Simulator. There have been two Publications from this project to date.
- The Division of Urology continued the collaborative work on the multinational study on Prostate Cancer. To date four abstracts have been published.

## PAPERS PRESENTED

- **A. McDonald** “Skills empowerment: Are men still marginalized?” City of Kingston Forum, Hilton Hotel, Kingston, Jamaica, August 2003.
- **M. Scarlett.** “The Development of Anaesthesia and the Postgraduate Training Programme in the English Speaking Caribbean.” Annual Meeting of the College of Anaesthetists RCSI Winter College Lecture, Dublin Ireland: December 12, 2003.
- **R. Venugopal** “Aggressive Benign Behaviour”. 9th Annual Symposium on Skeletal Tumours. The Hilton Kingston, Hotel, January 17th & 18th, 2004.
- **R. Bullock** “Role of CT, MRI, Angiography.” 9th Annual Symposium on Skeletal Tumours. The Hilton Kingston, Hotel, January 17th & 18th, 2004.
- **I. Crandon.** “Neuroprotective Strategies in the Head Injured Patient and Brain Death”. The Jamaica Anaesthetist Association Conference, Mona Visitors Lodge, UWI, October 2003.
- **I. Tennant** “Sepsis in the Intensive Care Unit”. The Jamaica Anaesthetist Association Conference, Mona Visitors Lodge, UWI, October 2003.
- **K. Ehikhametalor** “Geriatric Patients? Do they stand a chance?” The Jamaica Anaesthetist Association Conference, Mona Visitors Lodge, UWI, October 2003
- **A. Barnett.** “ARDS: Have we found a cure?” The Jamaica Anaesthetist Association Conference, Mona Visitors Lodge, UWI, October 2003
- **R. Augier** “Triage Decisions in the Intensive Care Unit at UHWI.” The Jamaica Anaesthetist Association Conference, Mona Visitors Lodge, UWI, October 2003

**At the 7th International Conference, UWI Medical Alumni Association, Bahamas, November 2003**

- **G. Arscott** “Failure of Therapy to Control Juvenile Mammary Hypertrophy.”
- **G. Arscott** “The Challenge of Managing Dermatofibro- sarcoma Protuberans”
- **R. Venugopal** “Epidemiology of Burns at the UHWI.”
- **H. Shaw** “Acute Pulmonary Embolism after Major Head & Neck Surgery.”
- **H. Shaw** “Autism: The Role of the Otolaryngologist.”
- **E. Williams** “Oesophageal Foreign Bodies at the UHWI”
- **E. Williams** “Tetanus – going but not gone!” Preventative Strategies Revisited”
- **WD Aiken** “Differences in Patient Characteristics in Men of African Descent with Prostate Cancer from Jamaica and Chicago”
- **H. Harding** “Predicting Outcomes in the ICU at the UHWI”
- **JM Branday** “Challenges in the Selection Criteria for the MB BS Degree, Faculty of Medical Sciences, Mona: An Early Evaluation”

**At the Faculty of Medical Sciences Research Conference, Main Lecture Theatre, November 13 & 14, 2003:**

- **I Crandon.** “Surgery in the elderly: A Prospective Study in a Developing Country.
- **H. Harding** “Assessing Postoperative Adverse Events and Outcome in the Elderly Surgical Patient at the University Hospital of the West Indies.
- **E. Williams** “Tetanus: The Bugbear of the Elderly.”
- **H. Harding** “Predicting Outcome in the Intensive Care Unit of the University Hospital of the West Indies.”
- **J. Williams-Johnson** “Chest Pain in the Emergency Department: The Broad Spectrum of Causes.”
- **C. Bruce** “Syringomyelia: Does Pathophysiologic-guided intervention yield better results?”

- **J. Plummer** “Endoscopic Retrograde Cholangiopancreatography use at the University Hospital of the West Indies.”
- **A. McDonald** “Surgery in the Senior Years: What, where and how?”

**At the Association of Surgeons Retreat, Boscobel, St. Mary, Jamaica. November 29 & 30, 2003:**

- **W. Aiken** “Differences in Clinical Characteristics of Prostate Cancer in Jamaican and Black American Men.”
- **C. Bruce** “Modern Utilization of Anterior Skull Base Approaches.”
- **A. Martin** “Complications of Pancreatic Pseudocysts – Two Cases for Review.”
- **H. Shaw** “Pulmonary Embolisation after Major Head & Neck Surgery”

**At the Caribbean Neuroscience Symposium, Mona Campus, UWI, January 5 & 6, 2004:**

- **C. Bruce** “Anterolateral Skull Base Utilization in Jamaica.”
- **G. Donaldson** “Overview of Meningioma Surgery: The Role of Image Guidance.”
- **R. Hunter** “Third Ventriculostomy”
- **R. Bullock** “Imaging of Meningiomas: Pre and post-op MR Spectroscopy.”
- **D. Soares** “MR Spectroscopy”

**At the Perinatal Mortality Conference, Mona Campus, UWI, February 6, 2004:**

- **J. Williams-Johnson** “Maternal Collapse: Emergency Room Management.”
- **N. Duncan** “Genetic Counselling: Surgical Treatment.”
- **N. Duncan** “Necrotizing Enterocolitis.”
- **D. Soogrim** “Neonatal Resuscitation: Anaesthesia & Equipment.”

## PUBLICATIONS

### Refereed:

- \* “Potential Role for Advanced Trauma Life Support (ATLS) Program in Improving Trauma Care In Jamaica” AH. McDonald, J. Ali, DIG Mitchell, MS Newnham, A. Barnett, E. Williams, A. Martin. *West Indian Med J* 2003; 52(3): 208-12.
- \* “Surgery in Jamaica” PR Fletcher, A. McDonald, T. McCartney, R. Carpenter. *Arch Surg* 2003; (138): 1150-53.
- \* “Thymic Surgery in Jamaica 1992 - 2000.” P. Ramphal , RW Irvine, DIG Mitchell, M. Scarlett, CD McGaw, PR Fletcher, HW Spencer. *West Indian Med J* 2003; 52(3): 213-18.
- \* “Case Report on Cutaneous Larva Migrans.” S. French, J. Lindo *J Travel Med* 2003; (10): 249-50.
- \* “A case of Pulmonary Lymphangioleiomyomatosis.” PS Ramphal, D. Shah, DIG Mitchell, J. Wynter-Daley. *West Indian Med J* 2003; 52(3); 250-2.
- \* “Complex Regional Pain Syndrome.” K, Ehikhametalor, M. Nelson, D. Treasure, C. McGaw. *West Indian Med J* 2003; 52(3); 257-8.
- \* “Motivation for and Concerns about Entering a Medical Programme.” A. Ricketts-Wierenga, JM Branday, D. Simeon, A. Pottinger, B. Braithwaite. *West Indian Med J* 2003; 52(4); 304-10.
- \* “Subxiphoid Pericardial Window in Stable Cardiac Proximity Injuries.” C. Valentine, J. East. *West Indian Med J* 2003; 52(4); 296-9.
- \* “Routine Prophylactic Antibiotics for Arthroplasty Patients Receiving Dental Care: Is it Necessary? A Review.” REC Rose. *West Indian Med J* 2003; 52(4); 317-20.
- \* “Initial Experience with Beating-Heart Valve Replacement Surgery at the University Hospital of the West Indies, Kingston, Jamaica.” P. Ramphal, R. Irvine, A. Wierenga, M. Scarlett, CD McGaw. *West Indian Med J* 2003; 53(2); 109-112.

- \* "Ionizing Radiation: The Question of Responsible Use. Pandora's Box Revisited." DP Soares, P. Gilligan. *West Indian Med J* 2003; 53(2); 118-21.
  
- \* "Metatarsal Lengthening by Callus Distraction for Brachymatatarsia." REC Rose *Int. J. of Third World Medicine* 2004(1)2;
  
- \* "Circumcision of Jamaican Newborn Using the Plastibell™ Device." ND Duncan, SE Dundas, B. Brown, C. Pinnock-Ramsaran, G. Badal. *West Indian Med J* 2004; 53 (1): 23-6.
  
- \* "A Simple Preparation of Introductory Training in the Construction of Distal Coronary Anastomoses." PS Ramphal, A. Coye, J. Blidgen. *West Indian Med J* 2004; 53 (1): 27-9.
  
- \* "A Simple, Inexpensive Simulation Exercise in the Construction of a Sutured Intra-Thoracic Oesophageal Anastomoses. PS Ramphal, R. Irvine, J. Blidgen, A. Coye. *West Indian Med J* 2004; 53 (1): 30-2.
  
- \* "Infections in Neurosurgical Patients Admitted to the Intensive Care Unit at the University Hospital of the West Indies." M. O'Shea, I. Crandon, H. Harding, O. Donaldson, C. Bruce, K. Ehikhametalor. *West Indian Med J* 2004; 53 (3): 159-63.
  
- \* "Cancer of the Colon and Rectum in a Jamaican Population: Diagnostic Implications of the Changing Frequency and Subsite Distribution." MEC McFarlane, A. Rhoden, PR Fletcher, R. Carpenter. *West Indian Med J* 2004; 53 (3): 170-3.
  
- \* "Paravertebral Anaesthesia for Breast Surgery: An initial experience at The University Hospital of the West Indies." AM Crawford-Sykes, DE Chin, IR Hambleton. *West Indian Med J* 2004; 53 (3): 174-7.
  
- \* "Thirty-five Years of Cardiac Surgery in Jamaica." MD Scarlett, CD McGaw, PS Ramphal, RW Irvine, HW Spencer. *West Indian Med J* 2004; 53 (3): 178-83.

## Abstracts

- \* “Failure of Bromocriptin therapy to control juvenile mammary hypertrophy.” **GDL Arscott**, L. Gabay, HR Craig. *West Indian Med J* 2003; 52: (Suppl. 5): 16.
- \* Epidemiology of burns at the University Hospital of the West Indies. **R. Venugopal, D. Ferron-Boothe, N. Meeks-Aitken, R. Carpenter, GDL Arscott.** *West Indian Med J* 2003; 52 (Suppl. 5): 16
- \* “Autism: the role of the Otolaryngologist.” **H. Shaw.** *West Indian Med J* 2003; 52 (Suppl. 5): 17.
- \* “Differences in patient characteristics in men of African descent with prostate cancer from Jamaica & Chicago.” **WD Aitken, T. Tulloch,** V. Freeman, F. Bennett, KCM Coard, B. Panton, T. Mason, J. Cudeki, R. Flanigan. *West Indian Med J* 2003; 52 (Suppl. 5): 17.
- \* “Acute Pulmonary Embolism after major head and neck surgery.” **H. Shaw** *West Indian Med J* 2003; 52 (Suppl. 5): 20.
- \* “Oesophageal foreign bodies at the University Hospital of the West Indies.” **E. Williams, D. Chambers, H. Ashman, J. Williams-Johnson, P. Singh, AH McDonald,** J. Lindo, A. Wierenga, **R. Forde.** *West Indian Med J* 2003; 52 (Suppl. 5): 20.
- \* “The Challenge of managing dermatofibrosarcoma protuberans.” **GDL Arscott, R. Venugopal.** *West Indian Med J* 2003; 52 (Suppl. 5): 21.
- \* “Tetanus – going but not gone! Preventative strategies revisited.” **E. Williams, H. Harding, R. Forde, D. Chambers, K. Alagappan, J. Williams-Johnson, S. French, R. Hutson, P. Singh, AH McDonald.** *West Indian Med J* 2003; 52 (Suppl. 5): 24.



- \* “Requests for admission to the Intensive Care Unit, the University Hospital of the West Indies” **A. Williams, I Hambleton, H. Harding.** *West Indian Med J* 2003; 52 (Suppl. 5): 24.
- \* “Predicting outcomes in the Intensive Care Unit at the University Hospital of the West Indies” **A. Williams, H. Harding, I. Hambleton.** *West Indian Med J* 2003; 52 (Suppl. 5): 25.
- \* “Changes in the selection criteria for the MBBS Degree, Faculty of medical Sciences, Mona – an early evaluation.” **JM Branday, A. Wierenga.**
- \* “Surgery in the elderly: a prospective study in a developing country.” **IW Crandon, R. Carpenter, JM Branday, H. Harding, D. Simeon, F. Pencle.** *West Indian Med J* 2003; 52 (Suppl. 6): 12.
- \* “Assessing postoperative adverse events and outcome in the elderly surgical patient at the University Hospital of the West Indies.” **C. Greenidge, H. Harding, K. Ehikhametalor, M. Reid, M. Nelson.** *West Indian Med J* 2003; 52 (Suppl. 6): 12.
- \* “Tetanus: the bug-bear of the elderly.” **E. Williams, H. Harding, R. Forde, D. Chambers, K. Allagapan, J. Williams-Johnson, S. French, R. Hutson, P. Singh, AH McDonald.** *West Indian Med J* 2003; 52 (Suppl. 6): 13.
- \* “Chest pain in the Emergency Department: the broad spectrum of causes.” **J. Williams-Johnson, E. Williams, C. Harris, AH McDonald.** *West Indian Med J* 2003; 52 (Suppl. 6): 13.
- \* “Syringomyelia – does patholophysiologic-guided intervention yield better results?” **CAR Bruce, IW Crandon, R. Ramcharran.** *West Indian Med J* 2003; 52 (Suppl. 6): 14.
- \* “Endoscopic retrograde cholangio-pancreaticography use at the University Hospital of the West Indies.” **JM Plummer, M. Arthurs, AH McDonald, DIG Mitchell, MEC McFarlane, MS Newnham, W. West.** *West Indian Med J* 2003; 52 (Suppl. 6): 14.

- \* "Tumescent local anaesthesia and titrated sedation: a safe technique in plastic surgery." **G. Arscott.** *West Indian Med J* 2003; 52 (Suppl. 6): 34.
- \* "Epidemiology of burns at the University Hospital of the West Indies." **R. Venugopal, D. Ferron-Boothe, N. Meeks-**

**Aitken, R. Carpenter, G. Arscott, AH McDonald.** *West Indian Med J* 2003; 52 (Suppl. 6): 34.

- \* "Laparoscopic Cholecystectomy without routine intra-operative cholangiography: a review of 136 cases in Jamaica." **MEC McFarlane, CAL Thomas, T. McCartney, P. Bhoorahsaingh, G. Smith, P. Lodenquai, DIG Mitchell,** the UHWI/KPH Laparoscopic group. *West Indian Med J* 2003; 52 (Suppl. 6): 34.
- \* "Unnecessary admissions of patients with head injury at the University Hospital of the West Indies. Are there implications for cost saving?" **IC Crandon, H. Harding, M. Baneris, CAR Bruce, AH McDonald** *West Indian Med J* 2004; 53 (Suppl. 2): 36.
- \* "Civilian Rectal Trauma: the surgical challenge." **JM Plummer, AH McDonald, MS Newnham, MEC McFarlane.** *West Indian Med J* 2004; 53 (Suppl. 2): 63.
- \* "Modern utilization of the anterolateral skull-base approach." **CAR Bruce, I. Crandon, L. Doonquah.** *West Indian Med J* 2004; 53 (Suppl. 2): 63.
- \* "Mortality in admitted surgical patients in Jamaica." **I Crandon, A. Mansingh, H. Harding, DT Simeon, R. Carpenter.** *West Indian Med J* 2004; 53 (Suppl. 2): 64.
- \* "Surgery in the elderly: is age a risk factor?" **IC Crandon, R. Carpenter, J. Branday, H. Harding, DT Simeon** *West Indian Med J* 2004; 53 (Suppl. 2): 63.
- \* "Neuro-endoscopy in Jamaica." **I Crandon, R. Ramcharran, H. Harding, CAR Bruce, G. Donaldson.** *West Indian Med J* 2004; 53 (Suppl. 2): 64.

- \* “Transfer of patients with head injury in Jamaica: is there a problem? **I Crandon, H. Harding, AH McDonald, CAR Bruce, D. Fearon-Boothe, A. Rhoden, N. Meeks-Aitken.** *West Indian Med J* 2004; 53 (Suppl. 2): 64.
- \* Endoscopic retrograde cholangiopancreatography: a single institution experience.” **JM Plummer, M. Authurs, AH McDonald, DIG Mitchell, MEC McFarlane, MS Newnham, W. West.** *West Indian Med J* 2004; 53 (Suppl. 2): 67.
- \* “Student self-assessment in a paediatric Objective Structured Clinical Examination.” SR Pierre, A. Wierenga, M. Barton, K. Thams, **M. Branday**, CDC Christie. *West Indian Med J* 2004; 53 (Suppl. 2): 79.

#### Letters

- \* Letter to the Editor: “Bilateral Simultaneous Rupture of the Quadriceps Tendon.” **EW Williams, A. Mansingh, A. McDonald, P. Singh.** *West Indian Med J* 2003; 53(2); 118-21.
- \* Letter to the Editor: “The Management of Isolated Splenic Abscess.” **JM Plummer, TN Gibson, MS Newnham, AH McDonald.** *West Indian Med J* 2004; 53 (3): 201-2.

### PUBLIC SERVICE

#### Professor Peter Fletcher

- Senior Director, Clinical Services, UHWI.
- Chair, Security Subcommittee, F&GPC, UWI, Mona.
- Director, UHWI Private Wing Ltd. (Tony Thwaites Wing)
- Chair, Board of Directors, Mona Institute of Medical Sciences.
- Member, Assessment and Promotions Committee, FMS, Mona.

#### Professor Michael Branday

- Deputy Dean, Student Affairs
- Chairman, Curriculum Committee, FMS, Mona.
- Member, Assessment and Promotions Committee, FMS, Mona.

- Academic Board Representative, Board of Undergraduate Studies.
- Member, Board of Directors, Mona Institute of Medical Sciences.

**Professor Archibald McDonald**

- Chairman, ScotiaBank Accident & Emergency Advisory Committee, UHWI
- Chairman, Specialty Board in Surgery.
- Member Board of Directors, Mona Institute of Medical Sciences.
- Member, Organizing Committee, FMS Annual Research Day.
- Member, Editorial Board, *West Indian Medical Journal*.
- Co-ordinator, Advanced Trauma Life Support (ATLS) activities in Jamaica.
- Treasurer, Association of Surgeons in Jamaica.
- Director, Mancare Medical Centre Ltd.

**Dr. Michael McFarlane**

- Secretary, Jamaica Chapter, American College of Surgeons.
- Consultant, Jamaica Cancer Society.
- Member, Board of Management, Jamaica Cancer Society.

**Dr William Aiken**

- Secretary, Association of Surgeons in Jamaica.
- Secretary, Jamaica Urological Society.
- Faculty, Advanced Trauma Life Support Course.

**Dr Christopher Rose**

- Vice-President, Jamaica Association of Sports Medicine.
- Consultant, National Sports Medicine Clinic.

**Dr Paul Ramphal**

- Member, UWI/UHWI Ethics Committee
- Faculty, Acute Cardiac Life Support Course, Ministry of Health.

**Dr Jean Williams-Johnson**

- Medical Director, Emergency Medicine Division, UHWI.
- Faculty, Advanced Trauma Life Support Course.
- Faculty, Advanced & Basic Life Support Course.

**Dr Derek Mitchell**

- Treasurer, Jamaican Chapter, American College of Surgeons.
- Member, Patient Information Systems, UHWI.
- Faculty, Advanced Trauma Life Support Course.
- Consultant, Jamaica Cancer Society.

**Dr Maria Nelson**

- Chairman, Specialty Board, Anaesthesia and Intensive Care.

## **CATEGORIES OF STUDENTS**

### **Undergraduate**

290 medical undergraduates rotated through the department during the year. All nine students, three of whom were repeaters, who sat the November/December 2003 repeat examinations passed. 95 students sat the May/June 2004. There were eight honours and one distinction. Six students failed.

### **Graduate**

122 residents are registered in the DM Programmes of the Department. There are in 19 DM General surgery, 9 DM Orthopaedics, 8 DM Otolaryngology, 10 Urology, 5 Neurosurgery, 4 Cardiothoracic Surgery, 5 Paediatric Surgery, 5 in Ophthalmology, 14 in Radiology, 21 in Anaesthesia and 22 in Emergency Medicine.

The following students were awarded DM degrees:

<b>Dr Edgar Abbott</b>	–	DM Orthopaedics
<b>Dr Don Gilbert</b>	–	DM Orthopaedics
<b>Dr Phillip Waite</b>	–	DM Orthopaedics
<b>Dr Kenneth Appiah</b>		DM General Surgery
<b>Dr Christopher Valentine</b>		DM General Surgery
<b>Dr Mark Morgan</b>		DM Neurosurgery
<b>Dr George Donaldson</b>		DM Neurosurgery
<b>Dr Janice Miller</b>		DM Emergency Medicine
<b>Dr Garfield Badal</b>		DM Paediatric Surgery
<b>Dr Simone Dundas</b>		DM Paediatric Surgery
<b>Dr Leroy Harrison</b>		DM Urology
<b>Dr Ivor Thompson</b>		DM Anaesthesia
<b>Dr Cynthia Greenidge</b>		DM Anaesthesia
<b>Dr Spencer St. Luce</b>		DM Anaesthesia
<b>Dr Lishaw Ward</b>		DM Anaesthesia