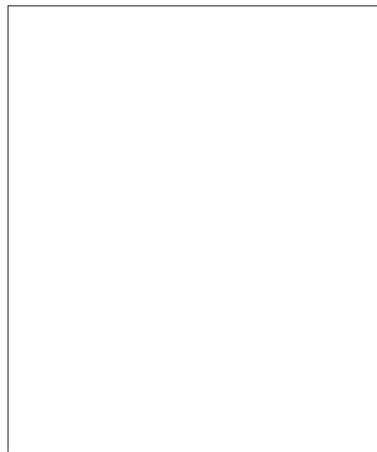


**FACULTY OF
MEDICAL SCIENCES
MONA**

Year ending July 31, 2003



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

DEAN'S OVERVIEW

HIGHLIGHTS OF WORK IN THE FACULTY

During the academic year 2002/03, the faculty pursued its goals on three main fronts – refining the delivery of the revised undergraduate medical curriculum, developing proposals to establish a regional accreditation body, and implementing changes consistent with the university's strategic objectives. In all three areas, considerable progress was achieved.

The Curriculum

In the first instance teaching was improved by expansion of IT capabilities and improved access of students to computer programmes. Additional support was provided for the new curriculum through curriculum development and quality evaluation workshops held at the Mona Visitor's Lodge on October 22-23, 2002, with Dr. John Spencer, Professor of Medical Education, School of Health Care Sciences, University of Newcastle, Newcastle-upon-Tyne, as director.

A student tracking system was established to provide an objective measure of student performance beginning with the 2006 and 2007 classes. The results were satisfactory.

Arrangements are in place for students completing Stage I of the MB,BS degree programme to be awarded a Bachelor of Medical Sciences (BMedSci) degree.

Projects to ensure that the teaching laboratories meet international standards were started. Phase I of the upgrade of the pathology laboratories was completed with the refurbishing of the Anatomic Pathology Laboratory. When Phase II is finished the chemical pathology and haematology laboratories, will be integrated to provide all the required

endocrinological tests, support for research activities, and for the clinical endocrinology and in-vitro fertilization programmes.

Regulations for the Bachelor of Basic Medical Sciences and Bachelor of Sciences (Physical Therapy) degrees have been approved.

Accreditation

In last year's report, we noted that preliminary steps had been taken to establish a regional accreditation body, following the decision of the General Medical Council of Great Britain not to accredit programmes of institutions external to the UK and EU. Approval to establish this body was granted at the Heads of Government Conference held in July 2003, and in the most recent development, the treaty establishing its authority has been approved by the CARICOM Legal Affairs Committee.

Strategic Objectives

In regard to fulfilling the university's strategic objectives, three areas of focus engaging Faculty activities are to be noted.

- Expansion of access and the introduction of new programmes.
- Development of graduate studies and research featuring the establishment of a research office in the Dean's office.
- Enhancing the university's regional and international standing and visibility through the activities of staff and students.

Two other significant achievements were realized in the past year.

- **Sir Kenneth Standard** was named one of the ten outstanding figures in public health in the last century by the WHO. To mark the occasion the Kenneth Standard Lecture was launched at the Faculty's 11th Annual Research Conference to coincide with celebrations acknowledging 100 years of PAHO's involvement in the region. The inaugural lecture was delivered by Dr. Douglas Slater, Minister of Health, St. Vincent and the Grenadines.
- Senate approved the inauguration of the named chairs in the Faculty of Medical Sciences – the **Owen Morgan/Paul Dishner** Chair in Medicine, and the **Terrence Rose/Paul Dishner** Chair in Paediatrics. Dr. Dishner, a distinguished physician, funded these chairs for the purposes of promoting research in medicine and paediatrics.

The Faculty records with sadness the passing of Professor Michael Beaubrun, first professor in the Department of Psychiatry at Mona, and Professor Syam Roopnarinesingh, Head, Department of Obstetrics & Gynaecology, St. Augustine, Trinidad & Tobago.

RESEARCH

Research activity increased and indeed spread across the Faculty. There was a striking increase in the enrolment of graduate studies. The DM continues to be a very popular programme, but the limitations imposed by insufficient space restricted intake to 40% of the total applicants. Four (4) students were awarded the PhD, and twenty four (24), the DM.

Professor T.E. Forrester continues as Sub-Dean for research and a faculty research office now resides in the Dean's office.

The research projects cover a wide range of topics and disciplines. They include studies on the human T lymphotropic virus type 1 (HTLV-1), now in their twentieth year; research into the major cancers affecting the population, i.e., cancers of the prostate, breast, colon and blood; HIV/AIDS; substance abuse; use of open medical wards for the care of patients with acute psychoses; and the use of music on learning and aggression.

Anticipating an increase in the numbers of elderly patients during the next few decades, studies are being conducted to evaluate treatment modalities for use in elderly demented patients are the economic consequences of this development.

The focus on the HIV/AIDS epidemic is reflected in our publications and in new courses being offered in the curricula.

Collaborative studies between the Section of Surgery and the School of Engineering at the University of Technology resulted in the patenting of an **electromagnetic pump** which will be used to train practitioners in beating heart cardiac surgery. This invention has been warmly received both locally and internationally.

Funding for the research activities independent of university grants and other support has been in excess of US\$10.5 million. To illustrate:

- The NCI/NIH Bethesda has funded the HTLV-1 project headed by Professor B. Hanchard to the tune of \$4 million over the next four years.
- The survivors of breast cancer awarded US\$7000 to the Department of Pathology to pursue studies in this area.
- The Elizabeth Glazer Paediatric AIDS Foundation, the Jamaican Embassy of the United States (Washington), and Merck and Co. have funded projects of which Professor C. Christie, Department of Obstetrics, Gynaecology and Child Health, has been the principal investigator, in the amount of US\$1.7 million
- UNICEF awarded a grant of US\$120,000 to Dr. M. Samms-Vaughan of the same department to pursue a project aimed at designing a system for screening, referral and early intervention for children at risk in Jamaica.
- The Environmental Foundation of Jamaica funded a project to develop programmes at the UWI in occupation and environmental safety and health by the Departments of Community Health (Mr. Milton Pinnock) and Chemistry (Professor Ishenkumba Kahwa) in the amount of US\$25,000.
- The InterAmerican Development Bank (IADB), Private Sector Organisation of Jamaica, Michigan State and the European Community, donated US\$5 million to the Department of Community Health and Psychiatry for study of HIV/AIDS and violence prevention.
- Another grant of US\$100,000 was obtained as a result of the joint efforts of the Department of Community Health & Psychiatry and the Ministry of Health to mount a campaign against HIV/AIDS.
- Research grants totaling US\$300,000 were received by members of the Department of Basic Medical Sciences to support their research activities.

Gifts and donations

Donations amounting to US\$650,000 were solicited and obtained by the Department of Surgery from the Bank of Nova Scotia, for the expansion of the UHWI's accident and emergency services and the development of neurosurgical and orthopaedic services.

Dr. Ivor Crandon, Department of Surgery, was the recipient of US\$250,000 to provide neurosurgical equipment which would advance the practice of the specialty.

The benefits of computerization and additional equipment should further enhance the research capabilities of the Faculty.

Dissemination of this information was achieved at the several conferences, workshops and symposia hosted by the Faculty:

- The 11th Faculty of Medical Sciences Research Conference, “Ageing Well: Life Course Perspective” November 22-23 2003.
- The annual Perinatal Audit hosted by the Department of Obstetrics, Gynaecology and Child Health, the Ministry of Health and PAHO, February 7-8, 2003.
- Oncology and Gynaecological Practice Conference, Department of Obstetrics, Gynaecology and Child Health, July 10-12, 2003.
- The Annual Nursing Research Conference and Mary Seiveright Day “Research Informing Nursing Practice,” DANE, May 14-15, 2003.
- The UWI Diabetes Outreach Project’s 9th Annual International Conference, March 6-9, 2003.

PUBLICATIONS

Articles in referred journals (96), books (1), book chapters (8), monographs, teaching material, technical reports for WHO, PAHO, UNICEF, resulted in over 130 publications.

Best Publications

The Faculty’s Research Award Committee selected the following publications as the **three best publications** in the Faculty:

- Nutritional status of 11-12 year old Jamaican children: co-existence of under and over-nutrition. *Public Health Nutrition* (2002) 5(2) 281-288, Jackson M, Samms-Vaughan, M, Ashley D.
- Access to care and maternal mortality in Jamaican hospitals 1993-1995. *International Journal of Epidemiology* (2001) 30, 796-801, McCaw-Binns A, Standard-Goldson A, Ashley D, Walker G, MacGillivray I

- Chronic renal failure in Jamaican children (2002), WIMJ 51(4), 220-6, Miller M, Williams J.

Outstanding and Named Researchers

Dr. Monica Smikle, Department of Microbiology, **Dr. Horace Fletcher**, Department of Obstetrics, Gynecology and Child Health, and **Professor Kathleen Coard**, Department of Pathology, have been named for their work on molecular genetics in autoimmune disease, the use of misoprostol in obstetric practice and soft tissue malignancies, respectively.

The Principal's award for the best research publication at the UWI Research Day 2003 awards ceremony went to **Mrs. E. Bailey**, **Dr. M. Duff** and **Miss S. Lopez** of the Department of Advanced Nursing Education.

CONTRIBUTIONS OF FACULTY MEMBERS

Awards, Honours & Distinctions

Professor Owen Morgan was voted council member of the International HTLV-1 Committee at its meeting in San Francisco in June 2003.

Professor Frederick Hickling was appointed chairman of the National Council for Drug Abuse for 5 years effective June 15, 2003.

Professor Celia Christie was elected a Fellow of the Infectious Diseases Society of America for long and distinguished services to the study of infectious disease.

Miss Sheryll Lopez was honoured at the Nursing Council of Jamaica 50th Anniversary Awards at Pegasus Hotel, December 13, 2002, for services to the Council.

Dr. Denise Eldemire-Shearer received the distinguished mentorship award from the Behavioural and Social Sciences Section of the Gerontological Society of America (GSA).

The Hon. Syringa Marshall-Burnett was re-elected President of the Senate.

Staff Promotions

The following members of staff received promotions:

- **Dr. H. Asemota**, Professor of Biochemistry, Department of Basic Medical Sciences
- **Dr. K. Coard**, Professor of Pathology, Department of Pathology.
- **Dr. A. McDonald**, Professor of Surgery, Department of Surgery, Radiology, Anaesthesia & Intensive Care
- **Professor Kenneth Stuart, Sir George Alleyne and Professor T. L. Thé** were conferred the title of Emeritus professor.
- **Dr. G. Wharfe**, Senior Lecturer, Department of Pathology
- **Dr. R. Wright-Pascoe**, Senior Lecturer, Department of Medicine
- **Dr. S. Kulkarni**, Senior Lecturer, Department of Obstetrics, Gynaecology & Child Health
- **Dr. H. Hewitt**, Senior Lecturer, Department of Advanced Nursing Education
- **Professor P. Fletcher** was appointed Senior Director of Clinical Services, UHWI

STUDENT ACHIEVEMENTS

At the beginning of the academic year, the Faculty had the following new enrolments into undergraduate degree programmes:

110	MB BS
16	BSc Nursing
16	Certificate in Nursing
22	BSc Physical Therapy

Great demands for places in the MB,BS programme are still being made with applications amounting to at least 10 times the number of available places. The problem with financing these courses remains. It is to be noted that the environment for study has improved as reported in the Staff/Student Liaison Committee meetings.

There are very few problems with the new curriculum and the staff is to be congratulated for effecting these smooth transitions.

Stage II Part I – April/May 2003

Subject	Distinctions	Hons	Pass	Fail	Total
Pathology/ Microbiology		8	81	10	99

Stage II Parts II, III, IV, May/June 2003

Subject	Distinctions	Hons	Pass	Fail	Total
Medicine (MD500)		3	69	4	76
Surgery (SU500)	1	1	69	5	76
Obstetrics & Gynaecology (O&G 500)	1	8	64	3	76

Students Graduated

For the year 2001/2002, the Faculty graduated

MBBS	90
BSc Nursing	17
Dip. in Community Health	8
Cert. in Nursing Administration	10
Certificate in Nursing Education	9

New Undergraduate Programmes

Regulations have been approved for the following new degree programmes.

- The Bachelor of Basic Medical Sciences (BBMedSci), a stand-alone degree with majors in biochemistry, anatomy, physiology and pharmacology.
- The BSc (Physical Therapy), a programme of studies offering courses in the professional, medical and rehabilitative sciences.
- The BSc (PostRN) for appropriately qualified registered general nurses
- The generic BSc(N) at the Brown's Town Community College beginning in August 2002 with the entry of 26 students. The

franchise arrangement was formalized between UWI/Brown's Town Community College on July 29, 2003.

Kingston School of Nursing, UHWI School of Nursing and Excelsior Community College have requested access to this programme.

Student Awards

Basic Medical Sciences Scholarships

Prizes for Stage I of the MBBS were redirected and the first set will be offered at the end of the stage I courses.

Scholarships & Bursaries

Beryl Kennedy-Clemetson Memorial Scholarship	Tasha-Kay Walker
Linda Garvey Gellman Scholarship	Inga Smith
The Independent United Order of Solomon	Vantario Taylor
The Chevonne Harry Lue Medical Scholarship	Derwin Christmas
Dansford Food Market Scholarship	Dana Richardson
Dr. Aubrey McFarlane Bursary	Glynne Edwards

Stage II, Part I Clinical Prizes and Medals

Pathology Medal/Microbiology Medal	Karina Hew
Professor S. Brooks Memorial Prize	Tahira Jackson
Professor Louis Grant Book Prize	Simone Bailey

Stage II Parts II, III, IV

Wyeth Award for Most Outstanding (Mona) Student in Obstetrics & Gynaecology	Stefan Hemmings
General Surgery Prize	Glynne Edwards

Sir Harry Annamunthodo Prize in Surgery
donated by the UWI Medical Alumni Assoc
(Canadian Chapter)

Glynne Edwards

Commonwealth Elective Bursary

Commonwealth Elective Bursary was awarded to Bertilee Burgess and Donna-Kaye Bennett of the Class of 2004 to pursue an elective in Scotland.

BSc Nursing

Mildred Marshall Bursary	Patricia Ingram-Martin
Tastee Limited Scholarship	Sandra Morris
Ralph & Ricky Lauren Design Studio Scholarship	Sandra Morris

Postgraduate Training

The postgraduate training programmes continue to be well subscribed and contribute to the health care needs in the region. The postgraduate enrolment at Mona for the academic year 2002/03 was:

Programmes	Applied	Offered	Registered
MPH	69	58	28
MPhil	25	17	12
MSc	63	49	95
PhD	16	11	10
DM	101	46	40
MD	1	0	0

For the year 2001/2002, the Faculty graduated

Mphil	1
DM	24
PhD	4
MPH	25
MSc (Nutrition)	1

New Graduate Programmes

The MSc (N) Nursing Programme commenced in academic year 2002/2003. 22 full-time and part-time students have enrolled in the

programme and include nurse practitioners on the recommendation of the Ministry of Health.

DISTINGUISHED VISITORS

Dr. Jeremy Corson, public health consultant, UK, to assist with Jamaica's health sector reform programme

Dr. Michi Hisada and **Dr. Beth Maloney**, Project Directors from the Viral Epidemiology Branch NCI/NIH, Bethesda.

Dr. Danny Ringer, Laboratory Consultant from the NIH.

Dr. Cynthia Fletcher, Assistant Professor, University of Alabama.

Professor Denise Alcock, former Dean of Nursing and Dean of the Faculty of Health Science, University of Ottawa.

Professor Peter Jones, University of Cambridge.

Professor Stan Kutcher, Associate Dean International Affairs, Dalhousie University.

PROJECTED ACTIVITIES

- A database will be established for the graduate studies programme to track student progress.
- Inaugural lectures will be held to mark the appointment of professors in the faculty.
- Work will commence on expansion of the DANE building and a new building for the Department of Community Health & Psychiatry will be erected
- The 12th Annual Research Conference will be held on November 12-14, 2003.
- An epidemiologist/statistician will be appointed to the Dean's Office utilizing CHRC funding to steer research activity in the Faculty and manage the Research Office.
- Work will continue on the establishment of a regional accreditation body

DEPARTMENT OF ADVANCED NURSING EDUCATION

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

The academic year 2002/03 commenced with several curricular changes. The department for the first time offered postgraduate programmes in four specialist areas and a new undergraduate generic baccalaureate degree in nursing, franchised at Brown's Town Community College (BTCC). The certificate programmes and Post Registered Nurse BScN degree offered since 1966 and 1983 respectively were also revised and restructured. Therefore the programmes now offered in the department are: BScN (generic), BScN (Post RN), MScN (Nursing Administration), MScN (Nursing Education), MScN (Family Nurse Practitioner), MScN (Mental Health/ Psychiatric Nurse Practitioner and MScN (Clinical Nurse Specialist).

WORK OF THE DEPARTMENT

Collaborative Relationships: A Human Health Resource and Nursing Workforce, CARICOM/Canadian/PAHO partnership meeting was initiated in Barbados, November 25-29, 2002. Through this initiative a proposal was developed to build DANE academic staff capacity to convert currently taught undergraduate and graduate courses to web-based delivery and advance the nursing and midwifery research agenda in the department. Contingent on this proposal, two major activities emerged. Professor Denise Alcock, former Dean of Nursing & Dean of Health Sciences, University of Ottawa and Nurse Scientist was assigned to assist the DANE's research agenda. She was appointed Visiting Professor of the UWI March 10-15, 2003. She also addressed the Faculty of Medical

Sciences Advisory Committee regarding funding opportunities in Biomedicine in Canada. Among the deliverables of Professor Alcock's visit were the draftings of 5 research proposals for which collaborative funding sources are being sought. Collaborative linkages have begun between DANE staff and other Canadian Scientists with similar research interests. For example, she has linked DANE with Professor Harrison, a Canadian nurse scientist in wound care research who will collaborate in the papaya and wound care study.

The second activity emanating from this proposal was the site visit of Professor Joy Branch July 23-August 1, 2003. The purpose of this activity was to assess the readiness of DANE to deliver web-based courses and to determine the harmonization of CARICOM nursing curricula with that of DANE/UWI BScN curriculum. Participants in this workshop were from the Bahamas, Barbados, Belize, Trinidad, Suriname, and representatives from Schools of Nursing and major Hospitals in Jamaica and DANE curricular co-chairs Mrs. Bailey, Miss Lopez and Mr. Weaver. Health Canada through PAHO/WHO provided funding.

The activity was also used to market the distance education agenda and in particular the electronic delivery of DANE programmes. As a part of the marketing strategy, Craig Perue and Christopher Muir demonstrated to participants a sample web-based UWI course and viewing of DANE's website. Among the staff consulted were Mr. Carlton Samuels, Professor Carrington, and Professor Errol Miller. Based on a favourable assessment, the Canadian partners are assisting the department to develop a research-framed proposal to submit to the Canadian Institute of Health Research.

UWI/TLI Activity: A Memorandum of Understanding was signed July 29, 2003, between the UWI & BTCC to franchise the generic BScN programme. Although this is an exciting venture and one which increased the number of nurses educated and trained in Jamaica, it has been a major challenge for the academic year. The outstanding issues are mainly logistically based and though not insurmountable are time consuming. The support of the Dean, FMS, Admissions Section, the Examination Section and in particular the UWI/TLI Unit has been remarkable.

The University Hospital of the West Indies School of Nursing (UHWISN), Kingston School of Nursing (KSN) and Excelsior Community College Nursing Education Department (EXEDNED) are at different stages of pursuing collaborative relationship with DANE

through the UWI/TLI Unit. EXEDNED was assessed May 14 & 15, 2003 for its readiness to franchise the UWI BScN programme and now awaits the UWI Board's decision. UHWISN and KSN are in the process of registering their institutions with the University Council of Jamaica. To monitor their progress and provide advisement, meetings are held with all three institutions' administration on alternate months. Representatives at these meetings are from DANE, UWI/TLI Unit and UWI Admissions' Section.

Information Technology: A comprehensive plan for DANE's information technology programme was discussed with the Director and team of Mona Information Technology Service (MITS) Unit and also with the Faculty of Medical Sciences (FMS) Hopwood Committee. MITS & FMS are providing the necessary support for successful implementation of the plan. Successful outcomes are the launch of DANE's website March 19, 2003 and the offering of a Nursing & Health Information Systems course. The website has been receiving favourable reviews from nurses worldwide.

New Programmes: The restructured and revised **BScN (post RN) degree** will be offered as a completion programme in the next academic year. This development is in keeping with current practice in nursing education globally. This degree will give all registered nurses with diplomas and certificates the opportunity to upgrade their education in the region. The department is working assiduously with MITS and Canadian partners to have this revised programme offered electronically.

In order to facilitate the request of the Ministry of Health to train nurse practitioners at the UWI, Cabinet agreed to finance four posts over a three year period, thereafter the programme will be self-financing. In preparation for implementing this agreement several meetings were held with the UWI, Ministry of Health and Ministry of Education. Despite the considerable progress made in commencing the programme, logistics relating to employment of staff previously employed by the MOH is still outstanding. In the meanwhile Miss Cerese Hepburn, Mrs. Rosetta Green and Dr. Norman Waldron, teachers in the previous MOH Nurse Practitioner programme, taught in the UWI nurse practitioner programme during the academic year 2002-03. Mrs. Yvonne Wint also of the MOH programme continued secondment to DANE during the academic year 2002-03.

Research Activities: At the request of the CARICOM/Regional Nursing Body (RNB) a research on the “Capacity of CARICOM countries to educate and train nurses” is being conducted through the DANE Nursing Midwifery Research Centre (NMRC). The project received J\$369,495.00 from PAHO/WHO. A NMRC account was established January 28, 2003. Funds from projects and the annual nursing midwifery research conference and Mary Seivwright Day are lodged to that account.

The Annual Nursing Research Conference and Mary Seivwright Day were held May 14 & 15, 2003 at the Hilton Kingston Hotel. The theme of the conference was “Research informing nursing practice”. Dr. Elaine Patterson, School of Medicine and Dentistry of New Jersey was the keynote speaker. Eighteen Scientific papers were orally presented and three posters displayed. Eight hundred and thirty five (835) nurses, representing Antigua, Barbados, Belize, Cuba, St Kitts/Nevis, India, Jamaica, Montserrat, Nigeria, St. Lucia, St Vincent & the Grenadines, Trinidad & Tobago, and the United States of America attended.

Dr. Hewitt participated in the RNB Executive and Education Committees’ meeting at the CARICOM Secretariat, Guyana, January 29-31, 2003.

DANE participated in the Annual Mona Research Conference by mounting three staff and students’ research posters in a booth in the Assembly Hall on January 30, 2003. A display of staff and students research was also mounted at the Mary Seivwright Building for public viewing on January 31, 2003.

Planning Activities: A breakfast Field Agency staff planning meeting was held March 21, 2003 with thirty senior nurses and clinical agency staff who assist DANE on a voluntary basis. The objectives for the Field experience were discussed and activities to meet them were identified. This planning meeting will be an annual event.

The Annual Departmental Retreat was held at the Terra Nova Hotel, June 30-July 4, 2003. DANE also conducted a retreat July 7 & 8 hosted by BTCC at the Villa Sonate, Runaway Bay with the BTCC nursing staff to review the curriculum implementation for the first year of the franchised BScN programme and plan for the 2003-04 academic year.

Mrs. Marva Byfield, a graduate of DANE joined DANE staff February 3, 2003. She replaced Mrs. Bailey and Mrs. Wint during their local leave.

Infrastructure: The increase in number of students and programmes in the department without adequate infrastructure for laboratory practicum and classes has caused much inconvenience. Despite several appeals and promises throughout the academic year, the extension of the building to accommodate this change was not done. It is hoped that the extension will become a reality in the coming academic year.

A blurb on the book “Trailblazers in Nursing Education: A Caribbean Perspective” was featured in the Spring Issue of the *Commonwealth Nurses Federation Newsletter*. The newsletter is circulated to nurses around the world.

Staff Development: The staff participated in a number of local and regional workshops and conferences during the year.

Student/Staff Liaison activities: Orientation sessions were held with undergraduate and graduate students August 25, 2002 and August 29, 2002 respectively. An end of semester rap session was held with students December 20, 2002 in which students treated the Lecturers, Administrative, Technical and Service Staff to a sumptuous meal. A general assembly with all students to welcome them for the new semester and to set the stage for Semester 2 was held January 13, 2003. A student/staff liaison meeting was held April 22, 2003. The purpose of this meeting was to congratulate the students who received awards April 12, 2003 and to encourage other students to emulate their peers.

Staff Awards

Dr. Marilyn Duff, Mrs. Bailey and Miss Lopez were recipients of the Principal’s award for Best Research Publication at Research Day 2003 Awards Ceremony, Friday January 31, 2003 at the Mona Lodge & Conference Centre.

Honourable Senator Marshall-Burnett was invited by the University of Toronto Career Centre to become a member of their BOARD OF FAME, which honours alumni who have made significant contributions to the arts, politics, business and/or community affairs. She was one of the retirees honoured by the Faculty of Medical Sciences Board for twenty eight (28) years of service to the University of the West Indies.

Dr Hewitt was reelected to serve as a Board Director of the International Academic Nursing Alliance (IANA), Sigma Theta Tau International Honour Society, February 18, 2003.

Mrs. Marshall-Burnett, Mrs. Wint and **Dr. Hewitt** were among the nurses honoured for nursing leadership by Courts Limited and Caymanas Track Limited April 26, 2003.

Mrs. Angella Ennis, Senior office Attendant was honoured for thirty years service to the UWI at the Long Service Awards ceremony, the Visitors Lodge, UWI, Mona December 12, 2002.

The Nursing Council of Jamaica honoured **Miss Lopez** for her service to that Council at its 50th Anniversary Awards ceremony at the Pegasus Hotel December 13, 2002.

RESEARCH IN PROGRESS

- “Knowledge, lifestyle practices, blood glucose control, cardiovascular and renal risk in patients with diabetes mellitus” EM Duff, N McFarlane-Anderson, E Bailey, A. O’Connor & Y. Wint.
- “Quality of life among home-based care-givers in HIV/AIDS” Departmental research with M Duff, as Principal Investigator
- “A historical research highlighting critical epochs of the Nursing Council of Jamaica’s development over 50 years” H. Hewitt.
- “Efficacy of the Carica papaya fruit in wound care compared to traditional treatment” G Dawkins, H Hewitt, P. Singh, L Talabere, Y Wint, E Bailey, S Weaver, S Lopez & O Parshad
- “Capacity assessment of CARICOM countries to train nurses” H. Hewitt, E. Bailey, C Hepburn, S Lopez, M. Duff
- “Evaluation of the regional examination for nurse registration in ten CARICOM countries” S. Marshall-Burnett & P Marks.
- “Cultural practices in maternal and child health” Departmental research with S. Weaver as Principal Investigator
- “Traditional healers: A response to HIV & AIDS in St. Thomas” S. Weaver
- “Has the combined medical treatment of Ipratropium bromide and Salbutamol vs. Salbutamol nebulization alone in the emergency management of bronchial asthma reduced hospital

admission rates?” N Waldron, C Hepburn, Y Wint, R Green, E Kahwa & H Stewart.

PAPERS PRESENTED

Mrs. Ellen Bailey:

- Hewitt, H., Wint, Y., Talabere, L., Lopez, S., **Bailey, E.**, Parshad, O. & Weaver, S. “Use of papaya in decubitus ulcers” May 14, 2003 Annual Nursing Research Conference.

Dr. Marilyn Duff

- “Occupational stress among health personnel in an accident & emergency unit” **McFarlane D**, Duff M, Bailey, E, Caribbean Health Research Conference in the Bahamas April 30 2003;

The following were presented at the Nursing Research Conference May 14 & 15, 2003:

- “Stress among third year nursing students” Josiah, **Duff & Bailey**;
- “Knowledge, self-care practices and blood glucose control among women with diabetes mellitus”, Silcott, **Duff & Bailey**;
- “Factors contributing to third year nursing students satisfaction in the clinical learning environment”, Paquiul-Espadas, **Duff & Bailey**;
- “Perceived quality of care at a Type V health centre” **Fagon**, Duff & Bailey

Dr. Hermi Hewitt:

- “Effects of Carica papaya on wound organisms, CNO Biennial Conference in St. Kitts August 15, 2002;
- “DANE/UWI Challenges, Future Direction and Recommendations regarding Human Health Resource and Nursing Workforce in the Caribbean”, Barbados November 25, 2002;
- “Professionalism in nursing practice” to newly graduated registered nurses at the Julie Symes Auditorium, Arnold Road, December 17, 2002;
- “DANE’s curriculum plan for nurses in the Caribbean”, the CARICOM/RNB Executive and Education Committees’

- meeting, CARICOM Secretariat, Georgetown Guyana, January 30, 2003;
- “Remarks” Nurse Practitioner Graduation Medical Lecture Theatre, February 20, 2003;
- “Historical overview of nursing research conference in the DANE 1989-2003” Hilton Hotel, May 15, 2003;
- “Clinical career ladders in the Caribbean health systems”, St. Vincent & the Grenadines, May 25, 2003;
- “Remarks” Bi-Annual Seminar of the Nurse Practitioner, Jamaica Grande, June 5, 2003.

Mrs. Eulalia Kahwa

- “Anticardiolipin antibodies in primiparae” **Kahwa, E.**, Sargeant, L., McCaw-Binns, A., McFarlane-Anderson, N., Smikle, M., Forrester, T. & Wilks, R. Annual Nursing Research Conference, May 14, 2003

Miss Sheryll Lopez

- “Perceived social support of patients with end stage renal disease on haemodialysis” Annual Nursing Research Conference, May 14, 2003

Mrs. Syringa Marshall-Burnett

- First Julie Symes Memorial Lecture for the Nursing Council of Jamaica’s Golden Anniversary Jubilee, September 3, 2002;
- “Nursing education consultancy in Dominica”, Preliminary report to PAHO;
- “Nurses empowering others: Agents of social change”, College of New Rochelle Post RN BSN Alumni Association inaugural conference, New York, April 29, 2003.

Dr. Hemsley Stewart

- “The History and Development of the Community Mental Health Service in Jamaica: 1963 through 2000” Annual Nursing Research Conference, May 14, 2003

Mr. Steve Weaver

- “The spirit world, discernment and healing gifts in a rural community”, American Anthropology Association Conference, New Orleans, USA.;
- “Alternative health care” Caribbean Health Research Conference in the Bahamas May 3 2003;
- “Traditional healing or Medical Sciences: Selecting health care in a rural community in St. Thomas, Jamaica”, Annual Nursing Research Conference, May 14, 2003

Mrs. Yvonne Wint

- “The effects of the Carica papaya on microorganisms”, Dawkins G, Hewitt H, **Wint, Y** & Obiefuna, P. Pan American Nursing Research Colloquium, Mexico, October 17, 2002.
- “A Preliminary Report on “Knowledge, practices, self-reported motivational factors and suggestions for empowerment in patients with diabetes mellitus”, **Wint, Y.**, Duff, M., Bailey, E., & O’Connor, A. May 14, 2003 Annual Nursing Research Conference.

PUBLICATIONS

Refereed:

- * “Use of papaya on pressure ulcers” H Hewitt, Y Wint, L Talabere, S Lopez, E Bailey, O Parshad, & S Weaver. *American Journal of Nursing* 102 (12), 73, 75 &77. (2002):
- * “Compliance and blood pressure control in women with hypertension.” B Bobb-Liverpool, EM Duff, E Bailey. *West Indian Medical Journal*, 1 (4), 236-240 (2002).
- * “Conflict Analysis and Resolution.” H Stewart, *The Jamaican Nurse Journal*, 40, 1 (2002), 23-26.
- * H Stewart. Sexual harassment at the workplace with special reference to health care. *Jamaican Nurse Journal*, 40, 2&3, (2002). 24-29 & 32-34.
- * “Editorial” S. Marshall Burnett. *The Jamaican Nurse*, 40, 1 (2002), 3 also “Editorial” *The Jamaican Nurse*, 40, 2 & 3 (2002), 3.

- * “Book Review of Trailblazers in Nursing Education: A Caribbean Perspective S. Marshall-Burnett. *The Jamaican Nurse*, 40, 1 (2002), 5-7.

Non-Refereed

- * **M Duff:** “Nutrition Intervention in Cardiovascular risk factors”. *The Nurse Practitioners 25th Anniversary Magazine*, 2002, 49-52.
- * **H Hewitt:** “Professionalism: A necessary asset for advanced Nurse Practitioners” *The Nurse Practitioners 25th Anniversary Magazine*, (2002), 35-44.
- * **S Lopez:** “Ethical Responsibilities in Advanced Nursing Practice”. *The Nurse Practitioners 25th Anniversary Magazine*, (2002) 44-48.
- * **H Stewart:** ‘Patient-focused care: Another Look-The Role of the Nurse Manager’ *The Nurse Practitioners 25th Anniversary Magazine*, (2002), 53-59.
- * **Y Wint** “Editorial” *The Nurse Practitioners 25th Anniversary Magazine*, (2002), 4.

PUBLIC SERVICE

Ellen Bailey

- Co-Coordinator, Nurses Association of Jamaica Student Nurses’ competition;
- Executive, UHWI Graduate Nurses’ League;
- Member, Home and Family Life Committee, Methodist Church in Jamaica and the Americas

Marilyn Duff

- Life Member, Equestrian Federation of Jamaica;
- Trainer of trainers, UWIHARP;
- Member, Jamaica Food and Nutrition Society

Hermi Hewitt

- Sub Secretary Home and Family Education Committee, Methodist Church in Jamaica and the Americas;
- Congregational Steward, Vineyard Town Methodist Church;
- Resource Person, Ministry of Health, curriculum development, Enrolled Assistant Nurses;
- Coordinator, Nurses Association of Jamaica Student Nurses' competition;
- Board Member, International Academic Nursing Alliance, Sigma Theta Tau International Nursing Honor Society;
- Committee Member, Friends of Faydene Methodist Home for the Elderly;
- Member, Re-Licensure Committee, The Nursing Council of Jamaica

Eulalia Kahwa

- Committee Member, Kukibo Kids Fitness Club;
- Judge, Nurses Association of Jamaica Student Nurses' competition

Sheryll Lopez

- Judge, Nurses Association of Jamaica Student Nurses' competition;
- Board Member, Heart Foundation of Jamaica;
- Resource Person, Critical Care Special Nursing Education

Syringa Marshall- Burnett

- Senator and elected President of the Senate;
- Member, Executive Committee of the Peoples National Party;
- Editor, The Jamaican Nurse;
- Reviewer, Journal of Advanced Nursing, Blackwell Publication, UK;

- Member, Nursing Council
- Consultant, UHWI School of Medical and Diagnostic Radiography
- Member, Poverty Alleviation Board, Office of the Prime Minister;

Hemsley Stewart

- Judge, Nurses Association of Jamaica Student Nurses' competition;
- President, Board Nurses Association of Jamaica Cooperative Credit Union;
- Member, National Examination Committee for the Regional Examinations, Nursing Council of Jamaica;
- Member, NAJ Selection Committee for the Gertrude Swaby Award for Excellence in Nursing.

Steve Weaver

- Member, Lions Club, St Andrew Chapter

Yvonne Wint

- Secretary, Mount View Parent Teachers Association

CATEGORIES OF STUDENTS

Undergraduate 2002/2003

These students were from Antigua, Bahamas, Barbados, Belize, Grenada, Jamaica, St. Lucia, Montserrat and St. Vincent & the Grenadines.

Programme	Major	Full-time	Pass	Fail	Award	
Certificate	Administration	11	10	1	Honours 4	
	Education	5	5	0	Honours 3	
TOTAL		16	15	1	7	
BScN (post RN)	Education	9	9	–	1 st Class Hon. Upper 2 nd Class Hon.	1 6
BScN (post RN)	Administration	6	5	1	1 st Class Hon. Upper 2 nd Class Hon.	2 2
TOTAL		15	14	1		11
BScN (generic) franchised at Browns Town Community College	Basic Reg. Nursing Prog.	–	–	–	Students have completed the first year and are now progressing to the 2nd year	
TOTAL	–	26	25	1		
Grand Total		57	29	3	18	

Twenty two (22) students began the first class of the Master of Science in Nursing programme offered in the DANE. The programme was advertised in June and twenty one (21) students were from Jamaica and one (1) from Barbados.

Programme	Major	F/time	P/time	Pass	Incomplete	Status
MScN	Administration	4	2	3	1 full-time	Repeat i course
	Education	5	4	3	2 full-time	Both incomplete due to illness, 1 course outstanding
	Family Nurse Practitioner	6	0	N/A	N/A	Complete first year of 2-year programme
	Mental Health/ Psychiatric Nurse Practitioner	1	0	N/A	N/A	Complete first year of 2-year programme
Total		16	6	6	3	7 cont'd. 2nd year

DISTINGUISHED VISITORS

Professor Simeon McIntosh, Cave Hill Campus, UWI;

Professor Denise Alcock, Visiting Professor, Retired Dean,
Faculty of Health Sciences, University of Ottawa, Canada;

Professor Cynthia Fletcher, Assistant Professor, University of
Alabama;

Professor Joy Branch, Associate Professor, Athabasca University,
Canada;

Professor Elaine Patterson, Associate Professor, University of
Medicine and Dentistry, New Jersey;

Mr. Wayne Branch, CEO, Futuretech Investment Group.

DEPARTMENT OF BASIC MEDICAL SCIENCES

Dr. Oswald R. Simon, BSc, MSc *Lond*, PhD *Howard*
– Head of Department

WORK OF THE DEPARTMENT

Academic year 2002/2003 was a period of significant changes in the department. The most important of these changes was the installation of a new Head of Department and the formation of a management team with a shared vision for the development of each discipline in the department. This new team has begun to develop cohesiveness among the staff in the execution of their duties. As a consequence of this important development in the department, the foundation has been laid for improvement in the undergraduate degree offerings and the research output from the postgraduate students and the academic staff. Evidence of this improvement is reflected in the consolidation of the new curriculum for medical students. The second year of this curriculum was completed without serious problems, although there were challenges with the delivery of some lectures. Other improvements in the department's offerings included the addition of the **Physical Therapy** and the **B.B. Med. Sc. degree programmes**. Although the members of staff welcome the addition of these new programmes, there are concerns that additional funding for them has not yet been allocated. Therefore, the department will be entering a period of severe stress due to inadequate staffing, insufficient laboratory resources and poor maintenance of the physical facilities. Nevertheless, it is hoped that during the new academic year, funding for these programmes will be made available.

In addition to the new programmes, the department continues to offer majors in Biochemistry and Molecular Biology to students from the

Faculty of Pure and Applied Sciences. To a large extent, the emphasis of these majors is on technology related to food crop production, but there are also aspects related to the exploration of molecular processes in mammalian and human tissues as well as bacteria. These features of the Biochemistry majors would be suitably complemented by the curriculum for the new **B.B. Med. Sc. degree** majors. It is expected that these undergraduate degrees will prepare graduates for employment in the Food-Manufacturing and Pharmaceutical Industries as well as in Government Regulatory Agencies and Research Departments. Moreover, these undergraduate degree offerings would contribute to fulfillment of the Strategic Plans outlined by the University.

Our postgraduate offerings also showed significant improvement in terms of the number of students pursuing degrees (80) and the number upgraded from MPhil to PhD degrees (9). These improvements were matched by an increased number of our students who presented research findings at overseas and local conferences. For example, students' presentations were as follows: 4 at CHRC Conference in Bahamas, 2 at Pharmacology Conferences of the Western Pharmacology Society in Canada and the World Congress of Pharmacology in San Francisco USA, 2 at the Diabetes Conference in Paris, 3 at the Molecular Biology Conference in Japan and many more at local research conferences.

These activities of the postgraduate students have placed increased demand for research funding and for financial assistance to attend conferences. Unfortunately, the Department's limited financial resources could not satisfy all the students' demands, however, the School for Graduate Studies & Research helped but the amount of financial assistance needs to be increased significantly.

Among the staff, some notable career advancements have occurred. For example, Professorship was conferred on **Dr. Helen Asemota**, and there were promotions for Mr. Everton Thomas and Miss D. Daley respectively to Chief Laboratory Technologist and Senior Secretary. Other members of the academic staff continued to improve their research activities and professional development through publication of research findings and conference presentations at local and international forums; these are listed in the sections that follow.

Overall, the department is satisfied that it has laid the foundation for growth. We now look forward to the new academic year for improved performance from all of the Sections in the Department.

STAFF AWARDS

Dr. Norma Anderson

- **Research Fellowship** received for the project: “Bacterial Fc-receptors: applications in immunodiagnosis of infectious disease and immunogenecity studies”

Dr. Lauriann Young-Martin

- An award was received to facilitate participation in a Student Assessment Course, held at the University of Dundee, Scotland, UK.

Dr. Wayne McLaughlin

- **Research Fellowship** received for project: “Identification and characterization of insect vector(s) of lethal yellowing (LY) disease of coconuts in Jamaica”.

RESEARCH GRANTS

Dr. Norma Anderson

- **Caribbean Health Research Council (CHRC)** “Production of anti-idiotypic antibodies to HIV peptides for potential use as therapeutic vaccines”. US\$10,000

Dr. Mark Ashby

- **Research and Publications and Graduate Awards** for Mr. S. Shawn Morrison. Project “Target genes for the response regulators RpaA and RpaB and how they are involved in regulation of phycobilisome coupling to PSI and PSII. Identification the cognate histidine kinase(s) for RpaA and RpaB”. US\$1,381 and J\$79,127.
- **Research and Publications and Graduate Awards** for Mrs. Shirley Budall. Project “Role of the DNA-binding response regulators sll 1330 and slr 1584 genes in 6803”. JS\$129,046.20 and US\$918.
- **Research and Publications and Graduate Awards** for Miss Natala Burnett. Project “Sensory transduction in Cyanobacteria; Defining the role of sll 0649 and slr 1783 genes in 6803”. JS\$154,520.39 and US\$818

Professor Helen Asemota

- **Research and Publications and Graduate Awards** for Lowell Dilworth. “The metabolic effects of consumption of sweet potato phytic acid extract in rat models” J\$92,650.76
- **Research and Publications and Graduate Awards** for Simone Earle-Barrett. “Molecular characterization and genetic diversity studies on Jamaican yams (*Dioscorea spp.*)” Ja\$117, 000
- **Research and Publications and Graduate Awards** for Perceval Bahado-Singh “Assessment of the glycemic indices of different yam varieties and other tuber crops in Jamaica and other Caribbean countries”. US\$2,000.

Dr. Paul Brown

- **Caribbean Health Research Council (CHRC)** “Studies on pathogenic mechanisms of *Leptospira* species” US\$6,700.

Dr. Ruby L. Lindo

- **The New Initiative Fund-** “Search for a New Drug for Diabetes and Hypertension: Synthesis of some Novel Nitrovasodilators and Their Effects on Glucose Metabolism and other Haemodynamic Parameters” US \$26,000
- **Research and Publications and Graduate Awards** for Sacha Campbell. “The effect of S-nitrosothiols on blood glucose metabolism and studies on haemodynamic parameters”. US \$2,000
- **Research and Publications and Graduate Awards** for Colleen Salmon. “The isolation of the hypoglycaemic principles in the indigenous plant *Pilea elizabethae*”. US \$2,000

Dr. Wayne McLaughlin

- **Caribbean Development Bank (CDB)** Technical Assistance Program to University of the West Indies “Innovative research partners to enhance hot pepper (*Capsicum Chinese*) productivity in the Caribbean” US\$25,000
- **Coconut Industry Board, Jamaica** “Molecular diagnosis and characterisation of phytoplasmas associated with lethal yellowing disease on coconut palms in Jamaica” US \$20,700

- **Ministry of Agriculture** “Research Services in Plant Pathology for the Citrus Replanting Project” US\$150,000

Dr. Dalip Ragoobirsingh

- **Research and Publication & Graduate Award** – US\$1,556.00
- **Research and Publication & Graduate Award** – US\$2,051.78

Dr. Palanisamy Rajendran

- **“New Research Initiative” funding for the project** “Cardiovascular autonomic function and vasomotor response in diabetic patients”.

Prof. Harvey Reid

- **Award for Graduate Students** – US\$6000.00

Dr. Maxine Gossell-Williams

- **“New Research Initiative funding for project”** Characterization of the Pharmacological activity of plant-derived extracts on vascular smooth muscles” – US\$17,000.00

Dr. Oswald Simon

- **Organisation of American States (OAS):** Grant for the Research and Development of a drug from Ginger for the treatment of Osteoarthritis – J\$560,000.00

Dr. Paul Singh

- **Research and Publication Grant** for the purchase of equipment – US\$1,196.97
- **UWI Graduate Student Research Grants** – US\$7,408.86

RESEARCH IN PROGRESS

Dr. Norma McFarlane-Anderson

- *Preeclampsia (PE)* - The role of genetic predisposition, dietary factors and oxidative stress. Investigation of several biochemical markers in the placenta of women who developed PE.
- *Cervical cancer* - The role of lifestyle and sexual practices, genetic predisposition and oxidative stress in this sexually transmitted infection. Prevalence of Human papillomavirus infection.
- *Diabetes* – Assessment of knowledge of the disease and glycaemic (sugar) control in men and women with diabetes attending the Diabetic Clinic at the UHWI.
- *Nutrition* – Levels and types of phytoestrogens in some common Jamaican foods.
- *Immunology* – Investigation of the use of bacterial Ig receptors in immunological assay techniques and of the development of antibodies with the potential to serve as therapeutic vaccines in microbial infections.

Dr. Mark Ashby

- Signal Transduction in Cyanobacteria: Defining the role of unidentified response regulators in the unicellular cyanobacterium *Synechocystis* sp. PCC 6803.

Professor Helen Asemota

- The effect of bitter yam sapogenin steroidal extract on hypercholesterolemic rats
- Studies on mineral availability from commonly eaten Caribbean food crops
- The metabolic effects of consumption of phytic acid extract from sweet potato in rat models.
- Molecular characterization and study of genetic diversity among Jamaican yams (*Dioscorea spp.*).
- Activity of enzymes associated with digestion in rats fed transgenic and commercial papaya (*Carica papaya*)

- Application of RFDD to determine genes which are differentially expressed as the dormant yam (*Dioscorea spp.*) tuber sprouts.
- Assessment of starch accumulation in *in vitro* derived yam (*Dioscorea spp.*) tubers.
- Characterization of starches from the different Jamaican yams (*Dioscorea spp.*).
- Determination of the glycemic indices of commonly eaten Jamaican foods.

Dr. Paul Brown

- Effect of nitric oxide on signal transduction in diabetes mellitus. (In collaboration with Drs. Ragoobirsingh and McGrowder)
- Characterization of *Pseudomonas* spp. and antibiotic-resistant *Staphylococcus aureus* isolates.
- Seroepidemiology of human leptospirosis in Jamaica. (In collaboration with Dr. C. Lazarus, Ministry of Agriculture, Veterinary Division)

Dr. Kerith Golden

- The biochemical analysis of Noni (*Morinda citrifolia*)
- The isolation and purification of bromelain from *Morinda citrifolia*.
- The analysis of various Jamaican foods (yams, breadfruit, jackfruit and ackee) for phytoestrogen levels

Dr. Ruby L. Lindo

- The isolation and elucidation of the hypoglycaemic principles from *Pilea elizabethae*.
- The effects of S-nitrosothiols on blood glucose metabolism and other haemodynamic parameters. (In collaboration with Prof T. Dasgupta, Chemistry Department, UWI)

Dr. Wayne McLaughlin

- Identification and characterization of insect vector(s) of lethal yellowing (LY) disease of coconuts in Jamaica

- Molecular diagnosis and characterisation of phytoplasmas associated with lethal yellowing disease on coconut palms in Jamaica
- Genetic diversity and evolution of whitefly transmitted geminiviruses. Genetic engineering tomato for resistance to tomato yellow leaf curl virus (TYLCV-Is).
- Use of plant growth promoting bacteria (PGPB) to improve growth and induce resistance in (*Capsicum Chinese*) cv. Scotch Bonnet Pepper to potyviruses.
- Development of a regeneration and genetic transformation system for hot pepper (*Capsicum Chinese*)
- Development and production of genetically engineered scotch bonnet pepper plants that are resistant to the Tobacco Etch Virus (TEV)

Dr. Andrew Pearson

- Environmental remediation; the biosorption of heavy metals to peat
- Protein content of ethanol distillery wastes, and agro-industrial waste survey.

Dr. Dalip Ragoobirsingh

- Molecular signal transduction mechanisms in Diabetes mellitus in normal and diabetic rats.

Dr. Allen Wais

- Bacterial adaptation to climatological conditions - the effect of temperature on the growth of tropical bacteria.

Mr. Michael Gardner

- Marihuana (*Cannabis sativa*) and the male reproductive system.
- Toxicological aspects of the ackee (*Blighia Sapida*)
- Investigation of environmental/dietary factors as they possible relate to Prostatic Cancer
- Surgical Anatomy (Internal Carotid and Coronary Arteries)

- Aspects of Pre-Columbian Archaeology in Jamaica

Dr. Maxine Gossell-Williams

- Long Term examination of the effectiveness of DERMABOND® sutureless wound closure to conventional sutures in the management of facial and upper limb wounds. This project is being done in collaboration with the Department of Surgery, Radiology, Anaesthesia and Intensive Care Emergency Medicine Division.
- Examination of the effect of Pumpkin seed oil on rat prostate
- Examination of the Pharmacology of Canasol, a preparation from Cannabis sativa on isolated blood vessels.

Dr. Lauriann Young-Martin

- The differential neurobehavioural effects of marijuana extract and delta-9tetra-hydrocannabinol in reward/reinforcement on male and female rats subjected to different environmental stressors;
- The differential neuroprotective effects of oestrogen on cognition in ageing male and female rats.

Prof. Harvey Reid

- The role of haemorheological changes in the aetiology and progression of vascular complications in chronic diseases”.
- “Effect of iron on haemoglobin during pregnancy per trimester in relation to foetal outcome”.
- “Effect of iron on abnormal menstrual bleeding (Menorrhagia): A pilot study”
- “Investigation of the role of inflammatory cytokines in the modulation of vascular and endothelial function in diabetes mellitus”.
- “Exercised induced-asthma in young athletes”.

Dr. Oswald R. Simon

- Investigation of the effects of Bioactive Ginger Oil on Adjuvant Arthritis in rats

- A study of dietary methionine-induced hypertension in rats
- Investigation of the anti-diabetic and anti-inflammatory properties of preparations from noni fruit juice.
- Investigation of cholesterol exacerbation of hypertension in rats

Dr. Paul D. Singh

- Pharmacology and toxicology of West Indian medicinal plant extracts.
- Pharmacological mechanisms of apoptosis and cytotoxicity.

Dr. James Mills

- Maturity Onset Diabetes of the Young (MODY) project; in collaboration with Professor Markus Stoffel of the Rockefeller University in New York.

PAPERS PRESENTED

- **Bahado-Singh Perceval S., Andrew O. Wheatley, Helen N. Asemota and Errol Y. St. A. Morrison.** **Book of Abstracts**, “Determination of the glycemic indices of roots and tuber crops of the Caribbean: implications for diabetes mellitus”, Northern Caribbean University Science Symposium, April 7, 2003 Book of Abstracts pg 6.
- **Barrett, K., D. Ragoobirsingh, D. McGrowder and P. Brown.** “Decreased plasma insulin levels and increased membrane glycoprotein PC-1 phosphodiesterase activity in adipose tissue of Type 2 diabetic rats”. The UWI Diabetes Outreach Project 9th Annual International Conference, March 6-9, 2003, Ocho Rios, Jamaica.
- **Barrett, K., D. McGrowder, P. Brown and D. Ragoobirsingh.** “The effect of nitric oxide released from streptozotocin on PC-1 phosphodiesterase activity in a Type 2 Diabetes Model”. Caribbean Health Research Council 48th Annual Council and Scientific Meetings, April 30- May 2, 2003, Nassau, Bahamas.
- **Bazuaye, P., M Jackson, MF Smikle, H Fletcher, C Rattray, N McFarlane-Anderson.** “Cervical dysplasia and use of

- hormonal contraceptives in Jamaican women”. *WIMJ* 2002; **51**: 30.
- **Bazuaye, P., M Jackson, M F Smikle, H Fletcher, C Rattray, N McFarlane-Anderson.** “Hormonal contraception and cervical dysplasia in Jamaican women”. *WIMJ* 2003; **52**: 36.
 - **Brown, P.** “Antibiotic Resistance in clinical isolates of *Staphylococcus aureus* and *Pseudomonas aeruginosa* from south-central Jamaica”; Caribbean Health Research Council Meeting, Nassau, Bahamas, April 30 - May 4, 2003
 - **Brown, P.** “The effect of nitric oxide released from streptozotocin on PC-1 phosphodiesterase activity in a type II diabetic model”; Caribbean Health Research Council Meeting, Nassau, Bahamas, April 30 - May 4, 2003
 - **Campbell, S., R.L Lindo, Tara Dasgupta.** “The Effect of S-Nitrosocaptopril on Blood Glucose Metabolism and Studies on Haemodynamic Parameters”. Sixth Conference of the Faculty of Pure and Applied Sciences pg 82
 - **Crawford-Brown, T.** “Poverty, Obesity and Diabetes: A Social-Medical Dichotomy.” Caribbean Studies Association Conference, May 26-30, 2003, Belize.
 - **Dilworth, Lowell L., Felix Omoruyi, Helen Jacobs, Errol Y. Morrison and Helen N. Asemota.** “Anti-Nutritional factors and mineral contents in some Caribbean tuber crops: Effects of Processing”. Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona March 18-20, 2003 pg.76
 - **Dilworth Lowell L., Felix O. Omoruyi, Andrew O. Wheatley, Errol Y. St. A. Morrison and Helen N. Asemota.** “Blood glucose and faecal minerals in rats fed phytic acid extract from sweet potato (*Ipomea batatas*)” 16th Annual Conference on Science and Technology, November 28-30, 2002 pg 17.
 - **Dilworth Lowell L., Felix O. Omoruyi, Errol Y. St. A. Morrison and Helen N. Asemota.** “Effects of consumption of phytic acid extracts from sweet potato (*Ipomea batatas*) on some digestive enzymes, blood glucose and lipid distribution in rats”. Northern Caribbean University Science Symposium, April 7, 2003 Book of Abstracts pg 19

- **Earle-Barrett, Simone T. ,Kathleen Lobban, Andrew O. Wheatley and Helen N. Asemota.** “Genetic variation and cultivar identification of *Dioscorea alata* using Random Amplified Polymorphic DNA and Amplified Fragment length Polymorphism”. Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona. March 18-20, 2003 pg. 78
- **Golden K.** “Postharvest Technology – Controlling the Ripening Process”. Northern Caribbean University (Mandeville)-2002.
- **Golden, K.** “Ethylene biosynthesis in tropical fruits, controlling the ripening process via postharvest technology”. University of the West Indies. Proceedings of the Sixth Conference, Faculty of Pure and Applied Science. (2003)
- **Hunt, R., N McFarlane-Anderson.** “Heat shock protein 70 and tumour necrosis factor alpha polymorphisms in Jamaican women with preeclampsia”. *WIMJ* 2003; **52**: 50.
- **Justiz Vaillant, A., MF Smikle, N McFarlane Anderson.** “Novel interactions between Streptococcal protein G (SpG) and immunoglobulins”. *WIMJ* 2002; **51**: 31.
- **J.M. Menzie and M. T. Gardner.** “Induction of breast tumor in rats for assaying Natural Products for anti-tumor properties”. 2nd International Conference on Natural Products at Clinical Research Centre, National University of Singapore, July 2002.
- Santos, A.L **Gardner, M.T.** Allsworth-Jones, P. “Possible case of Treponematosi in a Taino/Arawak Skull from Jamaica”. VIII Simposio de Antropologia Fisica “Luis Montane”, Havana, Cuba, February 24-28, 2003 (poster presentation).
- Santos, A.L. **Gardner, M.T.** Allsworth-Jones, P. “Possible case of Treponematosi in a Taino/Arawak Skull from Jamaica”. XIV European Meeting of Paleopathology Association, Coimbra, Portugal, August 28-31, 2002 (poster presentation).
- **Michael T. Gardner and Tik L. The.** “Ultrastructural Changes observed in Murine Leydig Cells resulting from administration (*in vivo*) of Jamaican Hashish Oil (*Cannabis sativa*), with correlations to preliminary fertility studies”. International Cannabinoid Research Society, 13th Annual Symposium on the Cannabinoids, Cornwall, Ontario, Canada, June 25-28, 2003.

- **Lawrence T. G. and W. A. McLaughlin.** 2002. “Use of bacterial inoculants to enhance productivity of field grown Scotch Bonnet peppers (*Capsicum Chinense*)” The Jamaican Society for Agricultural Sciences (JSAS) 13th Annual Conference July 18-19, 2002.
- **Levy, N., A Wierenga, H Fletcher, N McFarlane-Anderson.** “Blood pressure, nitric oxide levels and the Glu298Asp variant of endothelial nitric oxide synthase and preeclampsia in Jamaican women”. WIMJ 2003; **52**: 36.
- **Lobban, Kathleen S., Andrew O. Wheatley, G. Osuji and Helen N. Asemota.** “Application of RFDD in the Determination of Genes triggered during the sprouting of yam tubers (*Dioscorea sp.*)” Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona. March 18-20, 2003 pg. 51
- **Lobban Kathleen S., Andrew O.Wheatley, Kerith Golden and Helen N. Asemota.** “A comparison of some biochemical changes occurring in *ex vivo* and *in vitro* development process in *Dioscorea* yams”. Northern Caribbean University Science Symposium, April 7, 2003 Book of Abstracts pg 11
- **McAnuff, Marie M., Felix O. Omoruyi, Michael T. Gardner, Errol Y. Morrison and Helen Asemota.** “Intestinal morphoetric alterations in streptozotocin-induced diabetic rats fed bitter yam (*D. polygonoides*) sapogenin extract”. Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona. March 18-20, 2003 pg. 82
- **McAnuff Marie A., Felix O. Omoruyi, Errol Y. St. A. Morrison and Helen N. Asemota.** “Oxidative stress and liver function enzymes in streptozotocin induced diabetic rats fed Jamaican wild yam (*Dioscorea spp.*) steroidal sapogenin extract” 16th Annual Conference on Science and Technology, November 28-30, 2002 pg 16.
- **McGrowder, D., D. Ragoobirsingh and T. Dasgupta.** “Search for new nitric oxide releasing drugs which are useful in the treatment of hypertension and their possible involvement in the aetiology of non- insulin dependent Diabetes mellitus”. Scientific Research Council 16th Annual National Conference, November 28-30, 2003, Kingston, Jamaica, West Indies

- **McGrowder, D., D. Ragoobirsingh, K. Barrett and P. Brown.** “PC – 1 Phosphodiesterase activity in a Type 2 Diabetic Model. XIX” International Congress of Biochemistry and Molecular Biology, July 20-24, 2003, Toronto, Ontario, Canada.
- **Myrie W. M. Dollet, W. McLaughlin and B. Been** 2003. “Study on the diversity of phytoplasma associated with lethal yellowing”. Pan American Plant Disease Conference, South Padre Island, Texas, USA April 6-10, 2003.
- **Omoruyi, Felix O., Marie A. McAnuff, Errol Y. St. A. Morrison and Helen N. Asemota.** “Exploitable potentials of saponin extract from Jamaican bitter yam (*D. polygonoides*) in the management of diabetes mellitus”. *WIMJ*. 52 (suppl. 2): 38
- **Powell, Melissa P., Andrew O. Wheatley, Paula F. Tennant, Denis Gonsalves, Felix O. Omoruyi, Helen N. Asemota and Mohammad H. Ahmad.** “The effects of consumption of coat protein transgenic papaya (*Carica papaya L.*) on liver and kidney enzymes function in rats”. *WIMJ* 52 (Suppl. 41): 18
- **Powell, Mellisa P., Andrew O. Wheatley, Paula F. Tennant, Felix O. Omoruyi, Helen N. Asemota, Dennis Gonsalves, Errol Y. Morrison and Mohammad Ahmad.** “Effects of consumption of transgenic papaya (*Carica papaya L.*) on rat intestinal disaccharidases”. Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona. March 18-20, 2003 pg. 48
- **Powell Melissa P., Andrew O. Wheatley, Paula F. Tennant, Denis Gonsalves, N Williams, Helen N. Asemota and Mohammad H. Ahmad.** “The effects of consumption of transgenic papaya (*Carica papaya L.*) on the morphology and enzyme function of the liver and kidney of rats”. Northern Caribbean University Science Symposium, April 7, 2003 Book of Abstracts, pg 18
- **Riley, Cliff K., Andrew O. Wheatley, Ishmael Hassan, Mohammad H. Ahmad and Helen Asemota.** “Morphological Characterization of Starches Extracted from six Jamaican Yam (*Dioscorea spp.*) species”. Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona March 18-20, 2003 pg.76

- **Riley Cliff K., Perceval S. Bahado-Singh, Andrew O. Wheatley, Helen N. Asemota, Errol Y. St. A. Morrison and Mohammad H. Ahmad.** “Effect of amylose content on the *in vitro* digestibility”. *WTMJ* 52 (suppl. 2): 39
- **Riley Cliff K., Andrew O. Wheatley, Ishmael Hassan, Mohammad H. Ahmad, Errol Y. St. A. Morrison and Helen, N. Asemota.** “In vitro digestibility of starches from yams (*Dioscorea spp.*) grown in Jamaica: a condition for glucose availability”. 16th Annual Conference on Science and Technology, November 28-30, 2002 pg 17
- **Riley Cliff K., Andrew O. Wheatley, Ishmael Hassan, Mohammad H. Ahmad and Helen N. Asemota.** “Characterization of some Jamaican yam (*Dioscorea spp.*) starches for industrial exploitation purposes”. Northern Caribbean University Science Symposium, April 7, 2003 Book of Abstracts, pg 10.
- **Salmon, C., R L Lindo and Kerith Golden.** “The isolation and elucidation of the hypoglycaemic principles of the indigenous Jamaican plant *Pilea elizabethae*”. Proceedings of the Sixth Conference of the Faculty of Pure and Applied Sciences UWI, Mona March 18-20, 2003 pg 78
- **Wheatley Andrew O., Mohammad H. Ahmad, Errol Y. St. A. Morrison and Helen N. Asemota.** “Biotechnological improvement of tuber crops for wealth and wellness amongst Caribbean people”. 16th Annual Conference on Science and Technology, November 28-30, 2002 pg 21.
- **Gossell-Williams M., Simon O., West M.** (April, 1-15, 2003). “Selectivity of choline for M1, M2 and M3 muscarinic receptor subtypes and evidence of the involvement of other muscarinic receptors in the control of atrial frequency”. FASEB 2003 Experimental Biology, “*Translating the Genome*” San Diego, California, USA.
- **Young-Martin L.** “The gonadal hormonal differences in learning/memory” 32nd Annual International Conference of the Society for Neuroscience (SfN) Orlando, USA, November 4-8, 2002.
- **McKoy M., Omoruyi F., Simon O., Asemota H.** “Investigation of the effects of phytosterol-rich preparation from

Jamaican yam on blood cholesterol levels in rats” Western Pharmacology Society Conference, Nevada, USA, February 2-6, 2003.

- **Gray, M. and Singh, P.D.A.** “Investigation of the effects of extracts of *Manilkara zapota* (L). P. Van Royen on blood pressure and heart rate of rats”. 6th Annual Conference, Caribbean Association of Researchers and Herbal Practitioners, UWI, St. Augustine, June 2003
- **Singh, P.D.A.** “Pharmacogenomics (Plenary Lecture)”. 8th Annual Conference Commonwealth Pharmaceutical Association, Ocho Rios, Jamaica, August 2003.

PUBLICATIONS

Refereed

- * **Ashby, Mark, Jean Houmard and Conrad W. Mullineaux.** 2002. The *yc27* genes from cyanobacteria and eukaryotic algae: Distribution and implication for chloroplast evolution. *FEMS Microbiology Letters*: 214: 25-30
- * **Brown, S., W. McLaughlin, I. Torres Jerez and J. K. Brown.** 2002. Identification and distribution of *Bemisia tabaci* (Gennadius) (Homoptera: Aleyrodidae) haplotypes in Jamaica. *Tropical Agriculture (Trinidad)* (2002) 79: 140 - 149
- * **Golden, K.D., O J Williams and Y Bailey-Shaw.** 2002. High-performance liquid chromatographic analysis of amino acids in ackee fruit with emphasis on the toxic amino acid hypoglycin. *Journal of Chromatographic Science* 40: 441-446.
- * **McAnuff, Marie A., Felix O. Omoruyi, Errol Y. St. A. Morrison and Helen N. Asemota.** 2002. Plasma and liver lipid distributions in streptozotocin-induced diabetic rats fed sapogenin extract of the Jamaican bitter yam (*Dioscorea polygonoides*). *Nutrition Research* 22: (13) 1427-1434
- * **McGrowder, D., D. Ragoobirsingh and T. Dasgupta.** 2002. The enhancement of the hyperglycaemic effect of S-nitrosoglutathione and S-nitroso-N-penicillamine by vitamin C in animal model. *Biomedical Central Pharmacology* 2002, 2: 1-9

- * **McGrowder, D., Dalip Ragoobirsingh and Tara Dasgupta.** 2002. Decreased insulin binding to mononuclear leucocytes and erythrocytes from dogs after S-Nitroso-N-Acetypenicillamine administration. *Biochemistry Central Biochemistry* 3:1-15
- * **Wheatley, A.O., Ahmad, M.H and H. N. Asemota.** 2003. Development of salt adaptation in in-vitro greater yam (*Dioscorea alata*) plantlets. *In Vitro Cell Dev. Biol.* (2003) - Plant **39**: 1-8.
- * **Wheatley A.O., Iyane O.A and H. N. Asemota.** 2002. Effect of the section of yam tuber (*Dioscorea cayensis*) used in minisett on the biochemical properties of yam resultant tuber. *Journal of the Science of Food and Agriculture* 82: (13) 1579-1583
- * **Williams, Opal J. G. S. V Raghavan, Kerith D. Golden and Yvan Gariépy.** 2003. Post-harvest storage of Giant Cavendish bananas using ethylene oxide and sulphur dioxide. *Journal of the Science of Food Agriculture* 83:180-186
- * **Williams Opal J. and Kerith D. Golden.** 2002. Purification and characterization of ACC oxidase from *Artocarpus altilis*. *Plant Physiol.Biochem.* 40: 273-279
- * **Ragoobirsingh, D., Donovan McGrowder, Errol Y. Morrison, Pauline Johnson, Eva Lewis-Fuller and John Fray.** 2002. The Jamaican hypertension prevalence study. *Journal of the National Medical Association* 94: (7) 561-565
- * Kerwin R, Travis MJ, Page CP, Hoffman BB, Walker MJA, **Simon OR** and Moore PK. Drugs and the Nervous System (Chapter 14). In: Page C, Curtis M, Sutter M, Walker M and Hoffman B, editors of *Integrated Pharmacology* (second edition). Published in London by Mosby-Wolfe; 2002: 219-280.
- * **McKoy M.G., Thomas E.A., & Simon O.R.** Preliminary investigation of the anti-inflammatory properties of an aqueous extract from *Morinda citrifolia* (Noni). *Proc. West Pharmacol. Sec.* 45: 2002: 76-78.
- * Frayling, TM, Lindgren EM, Cherre JC, Menzel S, Wishart M, Benmezrua Y, Brow A, Evans JC, Rao PS, Dian C, Lecoer C, Kaminen T, Almgren P, Bulman MP, Wang Y, **Mills J**, Wright-Pascoe R, Machtani MM, Prisco F, Costa A, Cognet I, Hansen

T, Pedersen O, Ellard S, Tuomi T, Groop LC, Froguel P, Hattersley AT and Vaxillaire M. A genome-wide scan in families with Maturity Onset Diabetes of the Young: Evidence for further genetic Heterogeneity. *Diabetes* 52, 2003: 872-881.

Non-refereed

- * **L.E. Young** and **L.C. Benjamin** (2002). Accumbens Modulation of Associative Learning varies with the Estrous Cycle, combined Estrogen and Progesterone treatment and Dopaminergic Agonists. *Society for Neuroscience Abstracts Viewer*, 379.15, 2002.
- * **L.E. Young** (2002) “The Neurobiology of Drug Addiction: Neurophysiological and Behavioural Mechanisms associated with addiction” in *Research for Development 2003 Publication – Mona Campus Research Fellowship Programme*, p. 29.
- * **Singh, P.D.A.** Cardiovascular effects of Stachydrine, an Alkaloid Isolated from *Cleome viscosa L.* *Pharmacologist*: 44(2), A 147, 2002.
- * **Gray, M.** and **Singh, P.D.A.** Effects on blood pressure of extracts of plants used in folklore medicine to treat hypertension. *WIM J.*: 57(S4), 31, 2002.

PUBLIC SERVICE

Dr. N. Anderson

- CAFFE observer, General and Local Elections
- Member, International Proxy Parents – Education Committee

Professor H. Asemota

- UN-FAO International Consultant for Biotechnology to the Republic of Tajikistan

Dr. P. Brown

- Youth Camp Director, Pentecostal Gospel Temple Youth Ministry Camp

Mr. M. Gardner

- Immediate Past President, Jamaican Historical Society and Member of the Executive Committee

Dr. W. McLaughlin

- Board Member, Scientific Research Council (Jamaica)
- Member, National Coordinating Committee (NCC) of the National Bio-Safety Framework Project – UNEP-Global Environmental Framework (GEF)
- Member, Jamaica Journal Editorial Committee
- Member, Scientific Advisory Committee – Natural Products Institute, UWI
- Member, Steering Committee Fulbright Alumni Association of Jamaica
- Member, PROCICARIBE – CAPGERNet Working Group (Plant Genetic Resources)
- Member, National Commission on Science and Technology, Jamaica - Biosafety Committee

Dr. D. Ragoobirsingh

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

Dr. M. Gossell-Williams

- Secretary, Home School Association of Sts. Peter and Paul Preparatory School.
- Parent Representative of Students Welfare Committee of Sts. Peter and Paul Preparatory School (Kindergarten)
- Vice President, Alpha Alumnae Association
- Director, Optimist Club of North St. Andrew, Jamaica

Dr. P. Rajendran

- Member, Indian Cultural Society of Jamaica

Dr. O. Simon

- Member, Science and Technology Technical Advisory Committee for Evaluation of the Organisation of American States (OAS) projects in Jamaica
- Observer, Technical Advisory Committee for the CARICOM Drug Test Laboratory

Dr. P. Singh

- Member, Poison Information Network Management Committee of UTECH Environmental Health Foundation (Blue Cross of Jamaica).

UNDERGRADUATE DEGREE

BSc Biochemistry Programme:

In the BSc degree programme, the Biochemistry Section offered the following courses to students of the Faculty of Pure and Applied Sciences:

BB10A (233 students) BB10B (234 students), BC21C (58 students)
BC21D (55 students), BC21M (54 students) BC31M (33 students)
BC34B (40 students)
BC34C (46 students), BC34D (39 students), BC35A (39 students)
BC35C (42 students)
BC35D (40 students) BC36A (15 students), BC35F (35 students).

Of those students who took the final examination in Biochemistry, the following is a summary of the results:

Single Major

Biochemistry Honours	–	18 Pass; 1 First Class
Biotechnology Honours	–	6 Pass; 1 First Class

Double Major

Biochemistry & Chemistry Honours	–	3 Pass; 1 First Class
Biochemistry & Zoology Honours	–	7 Pass; 1 First Class

Major and Minor

Biochemistry & Zoology (major) (minor)	–	1 Pass
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B. Med. Sc./MBBS. Medical Programme

Two (2) year-long integrated courses were pursued in the Medical Programme and the following is a summary of the results:

MB111 (Class of 2007): One Hundred and Ten (110) students took the examination associated with this year-one course. Ninety-Six (96) students passed the examination and 14 failed. All of the students will proceed to the second year of the programme.

MB222 (Class of 2006): One Hundred and Five (105) students took the examination associated with this second year course. Ninety-Two (92) students passed the examination and 13 failed. However, the entire class will proceed to the junior clerkship rotation phase (year 3) of the degree programme.

Postgraduate Degree Programmes

Eighty (80) students are pursuing the following postgraduate research degrees in the department:

	Ph.D	M.Phil	Total
Anatomy	1	1	2
Biochemistry	14	33	47
Pharmacology	3	17	20
Physiology	3	8	11

Included in the numbers above are the following students who have submitted Theses for examination:

Sherlene Brown	–	PhD Biochemistry
Marie McAnuff	–	PhD Biochemistry
Idongesit Obiefuna	–	PhD Physiology
Angel Justiz-Vaillant	–	PhD Biochemistry
Winston Young	–	MPhil Biochemistry
Shelly McFarlane	–	MPhil Biochemistry
Garth Dawkins	–	MPhil Biochemistry
Karlene Barrett	–	MPhil Biochemistry
Michelle Henry	–	MPhil Biochemistry

Postgraduate Degrees Awarded

Mrs. Audrey Jacob	–	MPhil Pharmacology
Miss Tricia Lawrence	–	MPhil Biochemistry

DEPARTMENT OF COMMUNITY HEALTH & PSYCHIATRY

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

WORK OF THE DEPARTMENT

Introduction

This department is mainly responsible for introducing students to primary health care, preventive medicine and the mental health disciplines. Our undergraduate and postgraduate curricula have recently been strengthened to include more deliberate exposure to the principles and practice of health research.

This year saw the commencement of the **Doctor of Philosophy [PhD (Clinical Psychology)]** programme and the launch of a specialty track in **Health Promotion** as an option for Master of Public Health students. We have continued to build partnerships in teaching and research with other academic departments across the university and with other universities. The multidisciplinary, cross-faculty **UWI HIV/AIDS Response Programme (UWI HARP)**, which has its base in the Department of Community Health & Psychiatry, has gained strength with the appointment of three members of academic staff and a senior secretary. Greater interest is being shown in the training programmes for ‘Pre-hospital’ Emergency Medical Technicians (EMTs), with members of the local police among the new graduates of our certificate programme. A critical part of the Department’s mission is to maintain contact with grass-roots communities outside of the university and links with governments and non-government organizations. Public service and outreach projects to the elderly in Jamaica and in the inner city community of Rema, Trench Town, Kingston via the **“Oasis**

Restoration project”, have continued. In addition, a new violence risk reduction program has been established in the Grants Pen Region in collaboration with the Kingston Restoration Project. The Section of Psychiatry has played a prominent part in a new Task Force initiative in Forensic Mental Health, Crime and Violence, and has continued to help shape the development of the substance abuse program in Jamaica through its involvement with the National Council for Drug Abuse. This year, a team from the Section of Psychiatry was honoured to accept an invitation from the Pan American/World Health Organization to be one of only five groups helping to establish a Latin American and Caribbean Network on Mental Health Services Research.

A. Undergraduate Medical Programme

The members of our academic team have continued to be actively involved in the development and implementation of curricula for medical students. A new module in Health Management has been developed for third year students in the Bachelor of Medical Sciences (B.Med.Sci.) programme. Several “special study modules” have been designed as optional short courses for students. The themes of these modules have included: care of the elderly, protection of the health of the public at ports of entry and the epidemiology of HIV/AIDS. The Department has also collaborated in establishing a joint community health and mental health training program for third year students.

As in previous years, fourth year MBBS students doing their clerkships in Community Health were supervised in designing, analyzing and reporting of quantitative research projects. Studies were conducted in a variety of community settings. The students valued the experience, although time constraints prevented them from gaining greater experience in the use of rigorous methods of sampling. Despite the drawback of time, a group of students under the tutelage of the Department, received an international research award for a cross-sectional study of knowledge, attitudes, beliefs and practices regarding HIV/AIDS among their fellow-students at UWI.

The fourth year MBBS clerkship in Psychiatry has been redesigned to emphasize a phenomenological approach to psychopathology, greater emphasis on problem based learning, and a wider exposure to community mental health. The end of clerkship examination has also been reorganized as an Objective Structures Clinical Examination in keeping with the new format of the final MBBS examination in Medicine.

Since March 2003, twelve first/second year- and 20 final year- medical students were trained and tested in Cardiopulmonary Resuscitation (CPR), using American Heart Association guidelines. This programme was organized at the request of the students. The Department has begun to advocate for CPR and basic life support skills (BLS) to be included in the curriculum for all medical students.

B. Graduate Programmes

1. Section of Psychiatry

Doctor of Medicine, Psychiatry

In June 2003, one person was successful in the Part I examinations of the DM (Psych) Examination, two persons passed the DM (Psych) Part II examination, and five persons were successful in the DM (Psych) Part III examination. Dr Gillian Lowe was awarded the Eli Lilly Prize for the best Part II candidate. Two students entered the DM (Psych) programme in September 2002.

Master of Science (MSc) in Clinical Psychology

This collaborative programme between the Psychology Unit, Department of Sociology, Psychology and Social Work and the Section of Psychiatry continues to attract applicants. The program is situated and taught in the Section of Psychiatry and now has 12 first year and 11 second year students.

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

Six students began this programme. Of these, five students have been pursuing mandatory courses of the MSc Clinical Psychology program in order to complete their entry requirements.

Masters Degree in Activity Therapy – proposed new programme

This program is in the developmental stage and is intended to be a multi-disciplinary, cross-faculty programme.

2. Section of Community Health

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

A new track in Health Promotion has been launched in the Master of Public Health degree programme, with eight students enrolling. Through this programme we have received a boost in our teaching staff with Dr Nancy Muturi, Health Communication Specialist based in the Caribbean Institute of Media and Communication and Dr Sanjana Bhardwaj, Health Behaviour specialist from the UWI HARP programme playing active roles. The John J. Sparkman Centre for International Public Health Education, University of Alabama at Birmingham is collaborating with us in strengthening the programme.

In November 2002, 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, was again appointed to serve as External Examiner.

The MPH Selection Committee met in May 2003 to consider applications for the academic year 2003-2004. Of these, 70 persons were recommended to the Board of Graduates as suitable candidates to read for the degree in the new academic year.

Master of Philosophy/Doctor of Philosophy (MPhil/PhD) in Public Health

Monthly meetings continue to be held at the department with twelve MPhil/PhD (Public Health) students. Supervisor's Reports on these students, giving brief outlines of their progress, are forwarded to the Assistant Registrar, Graduate Studies & Research every 6 months. One MPhil candidate and one PhD candidate submitted final reports during the year.

Master of Science/ Doctor of Medicine in Family Medicine

The mixed mode (face-to-face and distance learning) Master of Science (M.Sc.) in Family Medicine received a second intake of 5 students and saw 12 of the 13 students who had enrolled in the previous year continuing in the programme. We are grateful for substantial help from the UWI Distance Education Centre (UWIDEC) in formulating the distance learning modules.

The first formal OSCE exam was held in June 2003, with several local physicians serving as Internal Examiners and Dr John Wiecha from the Boston University School of Medicine serving as External Examiner.

C. Other courses offered in the Department

Course in Community Care of the Elderly

Fifteen students participated in the Year 2003 Regional Course on “Community Care of the Elderly in the Caribbean” which was held from January 28-June 27, 2002. Students were from Anguilla (2), Antigua (1), the Bahamas (1), the British Virgin Islands (1), Montserrat (2), St Vincent & the Grenadines (1), and Jamaica (12). All participants graduated at the end of the course, with seven earning distinctions.

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

This course was held in August 2002 and was attended by graduate students from the University of Alabama (UAB) and the University of the West Indies and by technical staff of the Jamaican Ministry of Health. The course consists of a mixture of classroom lectures and field work. Like in previous years, Faculty were from UAB, Texas Tech University, the UWI Department of Community Health & Psychiatry and the Jamaican Ministry of Health. Several students from UAB were from African and Asian countries and this afforded all participants a unique opportunity for cross-cultural exchange.

Courses for training of ‘Pre-Hospital’ Emergency Medical Technicians

During the academic year, 78 ‘Pre-hospital’ Emergency Medical Technicians (EMTs) and 26 ‘First Responders’ were trained and certified through a programme of short courses with a heavy emphasis on teaching and practicing hands-on skills.

The Government of Jamaica through the Ministry of Health and the National Fire Services have invested in this type of training for their staff. A small number of quasi-Governmental agencies, including the Airports Authority of Jamaica and certain private enterprises have also sent members of their work force for EMT and First Responder training. In

October 2002 a four day recertification workshop was conducted at the Jamaica Aluminium Company (JAMALCO) for that Company's EMTs, while in March 2003, company staff received training in Cardiopulmonary Resuscitation (CPR).

Training program in mental health for health workers of the Jamaican Ministry of Health

In July, the Section of Psychiatry commenced a three-month training program for 2,300 health workers including community health aides, midwives, nurses, mental health officers, nurse practitioners, and medical officers, in contemporary mental health care. This training program is being conducted for the Jamaican Ministry of Health and is funded by a grant of J\$6 million from the Inter American Development Bank.

Visiting International Student Electives

1. Dr. Alphonso Posa, 3rd year Resident exchange from the University of Madrid, January – March 2003 in the Section of Psychiatry
2. Two final year medical students, Eric Stomrud and Hanna Blank Lund from Lund University in Sweden spent a five week elective in community psychiatry in the Section of Psychiatry in May 2003.

D. Section of Psychiatry Distinguished Lecture Series

This special series of lecture/discussions, which was started in September 2001, continued with presentations from Professor Stan Kutcher, Professor of Psychiatry of the University of Dalhousie, Halifax Canada, and by Dr. Rahn Bailey, Associate Professor of Psychiatry of the University of Texas in Houston USA. The series of lectures has been well received and is an on-going activity.

RESEARCH IN PROGRESS

- 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 Ginkgo biloba and ginseng (gincosan) in dementia of varying etiology. F.W. Hickling. A. Ward, D. Eldemire. 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 and dietary intake in Jamaican males. Paul T, Jackson M.
- Workplace Violence in the Health Sector. Jackson M.
- Under-registration of deaths in Jamaica: 1998 and 1996. McCaw-Binns A, Holder Y, Spence K, Gordon-Strachan G, Nam V, Ashley D.
- Manchester Health and Lifestyle survey, in collaboration with Southern Regional Health Authority of Jamaica and the Japan International Cooperation Agency. Jackson M.
- Workplace violence in the health sector, in collaboration with the Jamaican Ministry of Health and the Pan American Health Organization. Jackson M.
- A comparison of total lymphocyte counts and CD4 counts in patients with HIV disease. Bain B., Sebro A, Asnani M, Reid M.
- An assessment of the readiness of Jamaican doctors to receive further training in HIV/AIDS care. Bain B, Reid M.

- Jamaican Pharmacists and HIV/AIDS – A KAP and Needs Assessment Study. Bain B., McGaw A, Ramsay H, Reid M, Vassell S.
- 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.
- Caribbean women and their children – Case studies from Jamaica and Trinidad. Falloon DE.
- 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
- Measuring the Comorbidity of Substance Abuse, Violence, Psychopathology, Help-Seeking Behavior, and Attitudes Toward Substance Abuse, Violence, Mental Illness and the Afflicted: Lambert M, Samms-Vaughn M, Hickling FW.
- A ten-year outcome study of first contact schizophrenia in Jamaica. Haynes T, Hickling FW.
- Perinatal factors in schizophrenia in Jamaica. Williams K, Leiba J, Samms-Vaughn, M, Jones PB, Hickling FW
- Comparing the efficiency of Community Mental Health services in two parishes in Jamaica. Hickling FW, Ottey FO, Gooden C, Lowe G.
- Comorbidity and depression in medical clinics at the the University Hospital of the West Indies. Abel W, De La Haye W, Denbow C, Barton E, Hickling FW.
- Review of forensic services in Jamaica 1995-2002 Abel W, Hickling FW
- Suicide in Jamaica 1996-2002. Abel W, Hickling FW.
- Sociodemographic Characteristics of Deportees in Community Residential Facilities. Morgan K, Robertson-Hickling HA, Abel W.

- Outcome of homeless persons with mental illness, treated in two intervention programmes in Jamaica. Abel WD, Mc Callum MM, Hickling F W.
- 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, Morgan K.
- Evaluation of a multidisciplinary cultural therapy team approach as a risk-reduction intervention in violence and high-risk behaviours at an inners-city school in Kingston Jamaica. Morgan K, Gibson R, Chung R, Hickling FW. Funded by Planning Institute of Jamaica Research Grant for J\$1.8M.
- History of Safe Motherhood in Jamaica: from slavery to present. 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
- A comparison of the Objective Structured Clinical Examination results across campuses of The University of the West Indies. Hickling FW, Morgan KAD, Abel WD, Denbow CE, Ali Z, Nicholson GD, Sinqee C

- 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. Funding: Michigan State University
- Literacy and health seeking behaviour of parents with children attending clinic at the Community Health Centre. Laws-Gascoigne H O, Matthews A M P
- 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.
- Beyond the Music influencing thoughts on sexuality among adolescents. Holder-Nevins D.

PAPERS PRESENTED

- “Evaluation of community treatment programmes for the homeless mentally ill in Jamaica”. **Abel W**, Lewis E, McCallum M, **Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference. Mona, Jamaica, November 6-8, 2002..
- “Evaluating the impact of redesigning the psychiatric undergraduate curriculum on medical students’ performance in the final MBBS Examination at The University of the West Indies, Mona”. **Abel W**, **Morgan K**, **Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference. Mona, Jamaica, November 6-8, 2002.
- “Outcome of homeless persons with mental illness, treated in two intervention programmes in Jamaica”. Abel WD, **McCallum**

- MM**, Hickling FW. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “An assessment of the readiness of Jamaican doctors to receive further training in HIV/AIDS care”. **Bain B.** and Reid M. Joint Meeting of US Health Resources and Services Administration and the Institute for Health Care Improvement, Arlington, Virginia, USA. September 2002.
 - “A historical review of anthrax in Jamaica – can we forget about this disease?” (Poster). **Scarlett H, Paul TJ, Bain B.** Sixteenth Annual National Conference on Science and Technology of the Scientific Research Council of Jamaica, Kingston, November 29-30, 2002.
 - “A comparison of total lymphocyte counts and CD4 counts in patients with HIV disease”. **Bain B.,** Sebro, A., Asnani, M., Reid, M. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
 - “Research on the themes of HIV/AIDS and Drug abuse at the University of the West Indies”. **Bain B,** Hutchinson G. National Institute of Drug Abuse/ Caribbean Epidemiology Centre Conference, Nassau Bahamas. April 2003
 - “Factors affecting completion of a 28-day in patient substance abuse treatment programme at the University Hospital of the West Indies”. Gibson RC, **Barnaby L.** 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002.
 - “The Role of the PAHO/WHO Collaborating Centre on Ageing & Health in the Caribbean”. **Eldemire-Shearer D, Morris C.** Help-Age International Caribbean Region Development Centre, 11th Regional Meeting, Corsland Hotel, St John’s, Antigua & Barbuda, July 22rd – 25th, 2003
 - “Assertive community treatment in severely mentally ill patients in North Birmingham”, UK. **Hickling FW,** Ratnayake T. National Medical Association Annual Meeting Hawaii, August 2002.
 - “The Jamaica Community Mental Health Model”. **Hickling FW.** Sub-Regional Meeting on Experiences in Mental Health Reform

in Barbados & St. Lucia. Pan American Health Organization/ World Health Organization, Office of Caribbean Program Coordination, Barbados. September 18-19 2002.

- “Mental Health Research in Jamaica and the Caribbean”. **Hickling FW**. Conference on Capacity Building in Mental Health Policy and Services Research in Latin America and the Caribbean. Puebla, Mexico 28-29 October 2002.
- “The use of art therapy as an indicator of recovery in acute mentally ill patients”. Chung R, **Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002; and 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “A study of post-traumatic stress disorder among Jamaica Constabulary Force personnel in a given geographical area in Jamaica”. Oo MK, **Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002; and 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “Descriptive analysis of a community mental health service at the University Hospital of the West Indies”. Deslandes V, Little M, **Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002.
- “Stimulating research output in the Section of Psychiatry, Faculty of Medical Sciences, University of the West Indies, Mona”. **Morgan KAD, Hickling FW**. 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002.
- “Changing the research culture and output in the Section of Psychiatry”. **Morgan KAD, Hickling FW**. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “The aetiology of first contact schizophrenia in Jamaica”. Haynes TS, **Hickling FW**. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.

- “Mental Health in the Caribbean”. **Hickling FW**. National Institute of Drug Abuse/ Caribbean Epidemiology Centre Conference, Nassau Bahamas. April 2003.
- “La Historia de la Psiquiatria y la Salud Mental en Jamaica”. **Hickling FW**. IV Scientific Event of Psychiatry and Clinical and Community Nursing. Joaquin Albarran Hospital, Havana City, Cuba.
- “The History of Psychiatry in the Caribbean”. **Hickling FW**. National Medical Association Regional Meeting, Los Angeles California, April 2003.
- “Breast self-examination: perceptions and practice among women 25-54 years old in Western Jamaica”. **Holder-Nevins D**, Campbell-Forrester S. 11th Faculty of Medical Sciences Annual Research Conference, Mona, Jamaica, November 6-8, 2002.
- “A market setting for health promotion (The Papine Market, St Andrew, Jamaica)”. **Holder-Nevins, D**. et al. Annual Scientific Meeting, Society for Public Health Education (SOPHE), Philadelphia USA, November 2002.
- “Food consumption patterns of the 15 year old Jamaican Cohort”. **Jackson M**, Samms-Vaughan M, Ashley D. Presented at “Food and Nutrition in the Lives of the Diaspora.” Centre for Caribbean Medicine, Manchester, UK. 2002.
- “Dietary and social determinants of body mass index in populations of African origin: Cameroon, Jamaica and the United Kingdom”. **Jackson M**, Walker SP, Cruickshank JK, Cade J, Mbanya J-C, Forrester TE, Wilks R. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “Street children in Kingston and St. Andrew, Jamaica: social and demographic characteristics”. Antoine C, Bailey S, Baker J, Brown Y, Clarke K, Creighton A, Drummond S, Ganness R, Nairn C, Rolle A, Rose-Green G, Sherwood T, Wisdom S, **Jackson M**. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “Hormonal contraception and cervical dysplasia in Jamaican women”. Bazuaye P, **Jackson M**, Smikle MF, Fletcher H,

- Ratray C, McFarlane-Anderson N. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “Community education – an essential link in the chain of delivery of primary health care”. **Matthews A, Paul TJ**, Johnson M, Williams R. International Conference on Sustaining Innovative Education, Health Services and Research against Declining Resources. Eldoret, Kenya, September 7-12, 2002.
 - “Evaluation methods used in a distance learning programme for postgraduate training in Family Medicine”. Williams-Green P, Matthews A. American Academy of Family Physicians (AAFP) conference. San Diego, California, USA, October 15-20, 2002 .
 - “A retrospective case- comparison study of the association between parental deprivation in childhood among African-Caribbean men in England and admission to a forensic psychiatric unit”. **McDaniel C**. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
 - “An approach to measuring and monitoring the third delay for obstetric emergencies”. Ayubaca P, Boucar M, Bucaga M, Burkhalter B, Edson W, Harvey S, Hermida J, Legros S, **McCaw-Binns A**, Nicholas D, Gbangbade S. Saving Mothers’ Lives: What Works. International Conference: Safe Motherhood Best Practices. New Delhi: 3-6 October 2002.
 - “Measuring skilled birth attendant (SBA) competence in four developing countries”. Ayubaca P, Boucar M, Bucaga M, Burkhalter B, Edson W, Harvey S, Hermida J, Legros S, **McCaw-Binns A**, Nicholas D, Gbangbade S. Saving Mothers’ Lives: What Works. International Conference: Safe Motherhood Best Practices. New Delhi: 3-6 October 2002.
 - “Enabling factors affecting actual performance of skilled birth attendants”. Ayubaca P, Boucar M, Bucaga M, Burkhalter B, Edson W, Harvey S, Hermida J, Legros S, **McCaw-Binns A**, Nicholas D, Gbangbade S. Saving Mothers’ Lives: What Works. International Conference: Safe Motherhood Best Practices. New Delhi: 3-6 October 2002.

- “Community prevention of eclampsia: Case study - Jamaica”. **McCaw-Binns A.** Pre-eclampsia Foundation: Inaugural Meeting. Seattle, Washington: April 3-5, 2003.
- “Under-registration of deaths in Jamaica: methodology and general findings”. **McCaw-Binns A,** Holder Y, Spence K, Gordon-Strachan GM, Nam VE, Ashley DE. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
- “From slavery to self-determination: the history of maternal health care in Jamaica”. **McCaw-Binns A.** A Seminar, Tulane University School of Public Health, New Orleans, Louisiana: July 2003.
- “Ageing Males: a Caribbean Concern”. **Morris C.** Help Age International Regional Development Workshop. Dominica, June 2002
- “Changing public health technologies and the epidemiological transition in Jamaica”. (Poster). **Paul TJ, Morris C.** Sixteenth Annual National Conference on Science and Technology of the Scientific Research Council of Jamaica, Kingston, November 29-30, 2002.
- “Medical students’ research facilitates exposure to community health problems in Jamaica”. **Paul TJ,** Mitchell A, **Maharaj sincerely.** International Conference on Sustaining Innovative Education, Health Services and Research against Declining Resources. Eldoret, Kenya, September 7-12, 2002.
- “Profiling rural health in Jamaica through students’ research”. **Paul TJ,** Mitchell A, **Maharaj S.** International Conference on Sustaining Innovative Education, Health Services and Research against Declining Resources. Eldoret, Kenya, September 7-12, 2002.
- “Challenges facing the physician in the 21st century: Views of Caribbean medical students”. Mitchell A, **Paul TJ, Maharaj S.** International Conference on Sustaining Innovative Education, Health Services and Research against Declining Resources. Eldoret, Kenya, September 7-12, 2002.
- “Columbus Cove – 600 years later: the implications for health, safety and the environment”. **Segree W, Paul TJ.** Sixteenth

- Annual National Conference on Science and Technology of the Scientific Research Council of Jamaica. November 29-30, 2002.
- “Age of onset of diabetes mellitus, hypertension and co-morbid state among patients attending a Jamaican health centre”. (Poster). Reid RN, **Paul TJ**. 48th Annual Scientific Meeting of the Caribbean Health Research Council, Nassau, Bahamas, April 30-May 3, 2003.
 - “A Novel Pilot Camp for Adolescent Children of HIV- Positive Parents in Jamaica” (Poster). **Ramsay H**. National Institute for Mental Health Annual International Conference on the Role of Families in Preventing and Adapting to HIV/AIDS. Washington D.C., U.S.A. July 23-25, 2003.
 - “Medical Practice Standards”. **Segree W**. Annual Conference of the Barbados Medical Association. Barbados, May 2003.
 - “Crime and Violence – A National Disgrace”. (Poster). **Segree W**. Mona Campus Research Day. November 2002.

PUBLICATIONS

Refereed

- * Knight PG., Jackson JC., **Bain B.**, **Eldemire-Shearer D**. Household food safety awareness of selected urban consumers in Jamaica. *International Journal of Food Science & Nutrition*. 54(4):309-20, 2003 July.
- * Smikle MF., Heslop O., Vickers I., Dowe G., Deer D., Sue-Ho R., Denbow CE., Morgan OSt C., **Bain B.**, Barton EN. A serosurvey of hepatitis B virus, hepatitis C virus, human T lymphotropic virus type-1 and syphilis in HIV-1-infected patients in Jamaica. *WIMJ* 52(1):14-7, 2003 March.
- * **Bain BC** HIV/AIDS: challenging a monster. *Journal of HIV/AIDS Prevention and Education for Adolescents & Children*. 4 (2/3); 3-22, 2002
- * Robinson T, Thompson T, **Bain B**. Sexual Risk-Taking Behavior and HIV Knowledge of Kingston's Street Boys. *Journal of HIV/AIDS Prevention and Education for Adolescents & Children*. 4 (2/3); 127-148, 2002

- * **Eldemire-Shearer D, Paul TJ, Morris C.** Ageing Males – An Emerging Area of Concern. *WTMJ* 51(3):139, 2002
- * Robertson-Hickling H, **Hickling FW.**The need for Mental Health Partnerships in Jamaica. *Social and Economic Studies.* 51:3, 105-130, 2002
- * **Jackson M,** Walker S, Forrester T, Cruickshank JK, Wilks R. Social and dietary determinants of body mass index of adult Jamaicans of African origin. *Eur. J. Clin. Nutr.* 57(4): 621-27, 2003.
- * Coard KCM, **Jackson M.** Heart weight and heart weight/body weight ratio in a Jamaican adult autopsy population: A preliminary study. *WTMJ* 52(1): 41– 44, 2003.
- * **Jackson M,** Samms-Vaughan M and Ashley D. Nutritional status of a cohort of 11-12 year old Jamaican children: Co-existence of under-nutrition and over-nutrition in early adolescence. *Public Health Nutr* 5(2): 281-88, 2002.
- * **Ramsay H,** Pierre R, Bain P. My Child: Caring for Children with HIV- A Parent Handbook on Child Health.
- * **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.
- * Wagaarachchi P, Asare K, Ashley D, Gordon G, Graham W, Hall MH, Henneh R, **McCaw-Binns A,** Penney G, Antwi KY, Bullough CHW. *Improving the quality of obstetric care through criterion-based clinical audit: A practical field guide.* Dugald Baird Centre for Research on Women’s Health. Aberdeen: 2002.

Non-refereed

- * **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. The Department of Psychiatry, Massachusetts General Hospital, A teaching Affiliate of Harvard Medical School.

Technical Reports

Hickling FW. Contributed expert opinion and technical input:

World Health Organization Mental Health Policy and Service guidance package (2003):

Advocacy for Mental Health ISBN 92 4 154490 9

The Mental Health Context ISBN 92 4 154594 1

Mental Health Financing ISBN 92 4 154593 3

Mental Health Legislation & Human Rights ISBN 92 4 154595 x

Organization of Services for Mental Health ISBN 92 4 154592 5

Planning and Budgeting to deliver Services for Mental Health
ISBN 92 4 154596 8

Mental Health Policy, Plans and Programmes ISBN 92 4 154591 7

Quality Improvement for Mental Health ISBN 92 4 154597 6

- * **Jackson M.** Screening, referral and early childhood interventions for children 0-8 years old at risk for under- and over-nutrition and poor growth in Jamaica. p. 20. UNICEF, Jamaica (2003). **Jackson M.** Workplace violence in the health sector. P. 59. Ministry of Health / Pan American Health Organization, Jamaica (2003).
- * **McCaw-Binns A,** Holder H, Spence K, Gordon-Strachan G, Nam V, Ashley D. Multi-source method for determining mortality in Jamaica: 1996 and 1998. Consultant report to the Pan American Health Organization. August 2002 (56 pages).
- * **Pinnock M.** Health and Environment in the Caribbean 2000 plus. In *"A Vision for Health and Ecology in the New Global Economy."* Institute of Caribbean and International Studies, St. George's University, Grenada. Pp. 123-130.

COLLABORATION

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

- a) *The UWI HIV/AIDS Response Programme (UWI HARP)* is a multidisciplinary programme involving staff and students. The UWI HARP Coordinating Unit is located in the Department of Community Health & Psychiatry and reports directly to the

Vice-chancellery. UWI HARP committees operate on the three campuses and the programme includes the School of Continuing Studies in the non-campus countries. The mission of UWI HARP is “to build and harness capacity within the university in order to contribute maximally to the national, regional and international effort to control the HIV/AIDS epidemic, and to mitigate the impact of HIV/AIDS on the university itself and on the wider society”.

In April 2003, UWI HARP collaborated with the Mona School of Business in organizing the First Caribbean Labour Policy Conference, which included workshops on HIV/AIDS.

During the year, UWI HARP also collaborated with the Caribbean Child Development Centre (CCDC) in conducting a Needs Assessment for HIV information to be delivered in the Early Childhood Sector.

Training of Trainers workshops on Human Sexuality and other themes relevant to HIV/AIDS were conducted for staff from 11 departments and others from Cave Hill and St. Augustine as these persons prepared to teach several new courses in the forthcoming academic year.

- b) *Department of Sociology, Psychology and Social Work:*
 - (i) Psychology Unit – collaboration in teaching the MSc and PhD in Counselling Psychology, and
 - (ii) Other sections of that Department, mainly in research.
- c) *Department of Management Studies:* Staff from the Section of Psychiatry worked with Mrs. Hilary Robertson-Hickling, Lecturer in the Department of Management Studies, and Mrs. Sonia Mills of the Environmental Foundation of Jamaica to identify methods to assist the young people in the Oasis Restoration Project in the Kingston inner city community in Trench Town.
- d) *The Public Health & Primary Care Unit and the Section of Psychiatry, UWI, Mount Hope, Trinidad and the School of Clinical Medicine & Research, UWI, Cave Hill, Barbados.* We have collaborated in

discussions about curricula and research with our colleagues in the corresponding departments and areas on the other two UWI campuses.

National and Regional (Caribbean)

In the Caribbean, we continued to work with colleagues from the Cave Hill and St Augustine campuses of UWI, personnel from the Governments of the Caribbean and with staff from the Caribbean Epidemiology Centre, the Caribbean Health Research Council, the Caribbean Community Secretariat, the Help-Age Caribbean Regional Office, the National and Regional Offices of the Pan-American Health Organization and the World Health Organization and the Pan-Caribbean Partnership against AIDS (PANCAP).

International

The Department continued to collaborate with several international institutions including:

- *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)*
This group provided an expert who conducted a seminar on grant-writing for the UWI HARP TEAM and a panel of experts who led a three-day training programme on Alzheimer Disease in the Department.
- *Leeds University*
The Cochrane Schizophrenia Center at the University of Leeds, UK, continues to collaborate in a Systematic Review entitled “**Open Medical Wards versus specialist psychiatric units for acute psychoses.**”
- *University of Alabama at Birmingham (UAB)*
A successful graduate level course on Infectious Disease Control and Surveillance was run jointly with Faculty from the UAB for students from UWI and a few American universities.
- *University of Maryland*
Through a collaborative arrangement with the University of

Maryland, the Department hosted two students who were recipients of Fogarty Minority Research Training grants. The students worked from UWI HARP and conducted original research with adolescents at the Centre for HIV/AIDS Research, Education & Services, University Hospital of the West Indies.

GRANTS

- 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. **Lambert M, Samms-Vaughn M, Hickling F W**. Funded by a grant from Michigan State University for J\$720,000.00
- A ten-year outcome study of first contact schizophrenia in Jamaica. **Haynes T, Hickling FW**. Funded by Principals New Initiative Grant J\$860,000.00, UWI Mona
- Review of forensic services in Jamaica 1995-2002 **Abel W, Hickling FW**. Funded by Research grant from Ferdie's House Community Vocational Rehabilitation Center for J\$50,000.00
- Suicide in Jamaica 1996-2002. **Abel W, Hickling FW**. Funded by Research Grant from Community Group Homes for J\$50,000.00
- Evaluation of a multidisciplinary cultural therapy team approach as a risk-reduction intervention in violence and high-risk behaviours at an inners-city school in Kingston Jamaica. **Morgan K, Gibson R, Chung R, Hickling FW**. Funded by Planning Institute of Jamaica Research Grant for J\$1.8M.
- A three-month training program for 2,300 health workers including community health aides, midwives, nurses, mental health officers, nurse practitioners, and medical officers, in contemporary mental health care. This training program was conducted for the Ministry of Health and was funded by a grant of J\$6 million from the Inter American Development Bank.

STAFF MOVEMENTS

Dr Sanjana Bhardwaj joined the staff as a Lecturer with responsibility to join the team developing teaching and research in Health Promotion and to work with UWI HARP.

Mrs Donette Hope Ramsay was appointed Assistant Lecturer, with special responsibilities in UWI HARP.

Mrs Sharon Davids was appointed temporary senior secretary to UWI HARP, based in the Section of Community Health.

Dr. Jeffery Lowe, first year resident in Psychiatry, passed away suddenly on 9th April 2003. He will be sadly missed. The Section of Psychiatry has decided to name the Distinguished Lecturer Series in his honour. It will now be known as the **Jeffery Lowe Distinguished Lecturer Series**.

Dr Satnarine Maharaj continued his assignment as Chief Medical Officer of Grenada, while on secondment from the Department.

Dr Carol McDaniel joined the staff as a Lecturer in August 2002 and left the Department in July 2003. She was replaced by Dr Winston De La Haye who joined the staff in July 2003.

Dr Frank Ottey retired from the University in July 2002 after 30 years of service to psychiatry. He was specially honoured by the Faculty at Faculty Board for his years of work. His service was retained for the current academic year, and he has had the assignment of establishing psychiatric clinics in the corporate are of Kingston and St.Andrew.

Mrs Hope Ramsay, R.N., M.P.H. was appointed as an Assistant Lecturer with UWI HARP in the Section of Community Health.

PRIZES AND SPECIAL AWARDS

Principal's Award for Research

Based on work done by **Dr Affette McCaw-Binns** in Maternal and Child Health Epidemiology.

Dr L. Barnaby

Fulbright Fellowship to New York University, July 2003.

Dr. W. De La Haye (Resident)

Hubert Humphrey Fellowship September 2002, to Johns Hopkins University where he completed the Masters Degree in Public Health (Substance Abuse)

Dr. Roger Gibson (Resident)

Fellowship to spend a 3 month elective period at the University of Madrid, Spain, January to March 2003.

Dr. G. Lowe (Resident)

Eli Lilly prize for the best candidate in the DM (psychiatry) part II Examination in June 2003.

Fellowship in Child and Adolescent Psychiatry at Dalhousie University, Halifax Canada.

Dr Tomlin Paul

Long Service Award to the UWI, Mona – 15 Years

Best Poster Award - A Mitchell, TJ Paul, S Maharaj (2002) Challenges facing the physician in the 21st century: Views of Caribbean medical students. Presented at the International Conference on Sustaining Innovative Education, Health Services and Research against Declining Resources, Eldoret, Kenya, September 7-12, 2002.

Mr M Pinnock

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

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

Dr P Williams-Green

Caribbean College of Family Physicians (Jamaica Chapter) Award for contribution to the practice of Family Medicine 2002.

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. The combined population served by the centre is approximately 35,300. This is based on preliminary figures from recent census conducted by Statistical Institute of Jamaica.

Eleven thousand six hundred sixty-two (11,662) persons or approximately one third of this target population accessed health care at the health centre during this year. Seventy-five percent (75%) of these patients utilized the curative services while the maternal and child health section was responsible for the remaining twenty-five percent (25%). The two most commonly treated conditions are: 1) respiratory tract infection/ disease (13%) and 2) hypertension (12%).

The centre is a base for outreach by doctors, nurses, a social worker, medical students and community health aides. In terms of community outreach, seven hundred thirty-eight (738) home visits were made during this year. Medical students and master of public health students under the direction of the social worker conducted in-depth studies of several families. While being the subject of study, these families benefit from health education/ health promotion and significant medical and social interventions.

Health care professionals rotate through the centre to gain experience in primary health care. The following health professionals were trained at this community health centre during this year:

- a. Nurses: Three (3) family nurse practitioners, 38 UWI nurses, 54 EXED nurses.
- b. Medical residents: Four (4) final year emergency medicine residents
- c. Medical interns: Three (3) second year interns.
- d. Medical students: Eighty-four (84) final year students, 2nd clinical year students, and 1st clinical year students.
- e. Social work (B.Sc.) students: a group from the first year class was oriented in the field of medical social work.

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, **Dr. Kai Morgan**, Consultant Psychologist and **Ms Rosie Chung**, Art Therapist.

Grants Pen Region Outreach. This is a new outreach programme of the Section of Psychiatry in collaboration with the Kingston Restoration Project.

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
- Reviewer, West Indian Medical Journal, Psychiatric Services, British Journal of Psychiatry, Archives of General Psychiatry

Dr Wendel Abel

- Board member, Kingston Young Men's Christian Association
- Board Member, Community Group Homes, Jamaica
- Member, Medical Outreach Services, Food For The Poor

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 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
- Member, Central Health Committee

Mrs D Falloon

- Coordinator of Counselling Services, East Queen Street Baptist Church
- Coordinator of Health Education Programme, East Queen St. Baptist Church
- Counsellor, East Queen Street Baptist Church

Mrs D. Holder-Nevins

- Board Member, St Ann's Bay High School
- Public Relations Officer Northern Chapter of Adventist Health Professional Association
- President, Jamaica Association for Health Education and Promotion (JAHEP)

Dr Maria Jackson

- Reviewer of journal articles for: The European Journal of Clinical Nutrition and Social Sciences & Medicine
- Member, St. Vincent De Paul Society
- Executive Member, Friends of the Bellevue Hospital

Dr J La Grenade

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

- Member, International Advisory Board of the International Journal of Social Psychiatry.

Dr A Matthews

- Member, Epidemiology Committee, Kingston & St. Andrew Health Authority
- Volunteer doctor for the Elderly, Christ Church Ministry, Kingston, Jamaica

Dr A McCaw-Binns

- Committee Member, Institute of Medicine, National Academy of Sciences of the U.S.A.

Dr Kai Morgan

- Member, Selection Committee, Jamaica Psychological Society
- Clinical Psychologist, Jamaica Netball Association

Dr Frank Ottey

- Regional Consultant Psychiatrist in Community Health Services for the Government of Jamaica in the parish of St. Thomas.

Dr TJ Paul

- External Examiner in Sports Medicine, Bachelor of Physical Education at the G.C. Foster College of Physical Education and Sport, Jamaica
- Member, International Task Force on Community Care of the Elderly: Global Health through Education, Training and Service (GHETS)
- Chairman, Publicity sub-committee, National Family Planning Board of Jamaica
- Member, Board of Directors, Whole Person Resource Centre, Kingston, Jamaica
- Member, Board of Directors, McCam Child Care and Development Centre, Jamaica
- Vice-Chairman, Hope Estate Educational Partners (HEEP), Jamaica

- Member, PAHO Advisory Group on Building Capacity in Health Promotion in Barbados and the OECS Countries

Mr M 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
- Chairman, Beverly Hills Citizens' Association Area I
- Member, Lions Club of Mona
- Vice-Governor, Lions Clubs International, District 60B (Caribbean Area)

Mrs Hope Ramsay

- Member of the Monitoring and Evaluation Committee for the National AIDS Programme
- Member, Commonwealth Human Ecology Council
- Member, National Committee for Orphans and Children made Vulnerable by HIV/AIDS
- Advisor to the Centre for HIV/AIDS Research Education and Services (CHARES), UHWI
- Member, Planning Committee for the Annual Nurses and Midwives Research Conference

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.

DISTINGUISHED VISITORS

Dr Rahn Bailey, Associate Professor of Psychiatry University of Texas, President, Psychiatry Group, National Medical Association of the USA

Dr Juergen H.A. Bludau, Joseph L. Morse Geriatric Centre, Inc., Florida, USA.

Dr Martin Harper, Occupational Hygienist, University of Alabama at Birmingham, USA.

Professor Stan Kutcher, Head, Department of Psychiatry, and Associate Dean International Affairs, Dalhousie University, Halifax Canada.

Professor William Lawson, Head, Department of Psychiatry, Howard University, Washington, DC, USA.

Dr James W Lea, Director, Intrah School of Medicine, University of North Carolina at Chapel Hill, USA.

Mr Tom McGough, Executive Director, Alzheimer Resource Centre, Tallahassee, Florida, USA.

Dr Kwame McKenzie Senior Lecturer in Psychiatry, Royal Free Hospital, University of London

Professor Steve Nardozi, Westchester College, SUNY, New York, USA.

Dr Richard Nisbett, Professor, Texas Tech University, USA.

Professor Emmanuel Persad, Professor Emeritus, Psychiatry, University of Toronto

Ms LuMarie Polivka-West, Director of Health & Quality Assurance, Florida Health Care Association, USA.

Dr Sten Vermund, Professor and Director, Sparkman Center for International Public Health Education, University of Alabama at Birmingham, USA.

Dr John Wiecha, Assistant Professor, Department of Family Medicine, Boston University, Massachusetts, USA.

DEPARTMENT OF MEDICINE

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

WORK OF THE DEPARTMENT

The period 1st August 2002 – 31st July 2003 was a highly successful academic year for the Department of Medicine.

With respect to research activities, new linkages were formed with the Section of Psychiatry which will allow increased collaboration and research output in areas which were not explored before. In addition, there was the strengthening of previous links, for example, with the Tropical Metabolism Research Institute (TMRI) which allowed other joint research projects to proceed smoothly.

The Department provided undergraduate 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 Final MBBS Examination was replicated exactly in the Examinations of May/June 2003. The academic staff and Undergraduates are to be highly commended for the maintenance of this superb performance.

Four postgraduate students successfully completed the DM Part 2 (final examinations) in internal medicine during the year – two in December 2002, and two in June 2003. 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

Dr. K. Orrin Barrow – Senior Lecturer – was seconded to the University Hospital as Acting Chief Executive Officer effective 1st January 2003. **Dr. Milton Arthurs** was appointed Lecturer in Medicine to replace Dr. Barrow.

RESEARCH IN PROGRESS

Professor Michael Lee

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

Professor Everard 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.

PAPERS PRESENTED

Professor Charles Denbow

- 'Pulmonary Embolism'. Jamaica Foundation for Cardiac Disease Practitioner Seminar. Mandeville, Manchester. September 2002.

- ‘The Heart Protection Study’. Merck, Sharpe and Dohme Symposium. Bridgetown, Barbados. September 2002.
- ‘Hyperinsulinaemia and Cardiovascular Disease’. Bayer Pharmaceuticals Seminar. Kingston, Jamaica. September 2002.
- ‘A Critical Review of the Strategies for the Prevention of Cardiovascular Disease’. Medical Association of Jamaica/Aventis Pharma Workshop, UWI, Mona. October 2002.
- ‘Acute Left Ventricular Failure’. 29th Ena Thomas Memorial Symposium. Kingston, Jamaica. November 2002.
- ‘Hypertension: An Individualized Approach to Therapy’. MAJ Northeast Branch Symposium. Ocho Rios, St. Ann, Jamaica. January 2003
- ‘A History of Cardiology in Jamaica’. National Medical Association Scientific Session. Montego Bay, Jamaica. May 2003.

Professor Everard Barton

- ‘Epidemiology of End Stage Renal Disease in Jamaica’, Caribbean Association of Nephrologist and Urologist Scientific Meeting, Georgetown, Guyana. April 2002.
- ‘Management of Hypertension in patients with End Stage Renal Disease’. Medical Association of Jamaica and Bayer Pharmaceuticals Seminar, Kingston, Jamaica, May 5, 2002.
- ‘The Losartan Intervention for Endpoint Reduction in Hypertension study’. Medical Association of Jamaica and Merck Sharpe and Dhome Seminar, Mandeville, Jamaica, July 2002.
- ‘Prevalence of chronic renal failure in the diabetic population at the University Hospital of the West Indies’. CHRC 47th scientific meeting, Bahamas, 2003.

Dr. Winston Williams

- ‘Pulse Intravenous Cyclophosphamide in Patients with Systemic Lupus Erythematosus and Diffuse Proliferative Glomerulonephritis’. Faculty of Medical Sciences, UWI Research Day. November 2002.

- ‘Renal Histopathological changes in patients with Hemoglobin SS Disease’. CHRC meeting in Nassau, Bahamas. April 2003.

Dr. Althea East-Innis

- Country Report: ‘The epidemiology of AIDS and ATL in Jamaica’. Seminar on epidemiological control of AIDS and ATL diseases – Kumamoto and Tokyo, Japan. July 29 – September 2, 2002.
- ‘Erythema multiforme major, Stevens-Johnson syndrome and toxic epidermal necrolysis – a review’. Caribbean Dermatology Association Conference, Grenada. November 2002.
- ‘Immunology of the skin’. Caribbean Dermatology Association Conference, Grenada. November 2002.

PUBLICATIONS

Professor Charles Denbow

- * MF Smikle, O Heslop, I Vickers, G Dowe, D Deer, R Sue-Ho, **CE Denbow**, O StC Morgan, B Bain, EN Barton. A Serosurvey of Hepatitis B Virus, Hepatitis C Virus, Human T Lymphotropic Virus Type-1 and Syphilis in HIV-1 Infected Patients in Jamaica. *WIMJ* 52 (1): 14-16 (2003).

Professor Everard Barton

- * MF Smikle, N Christian, K DeCeular, **EN Barton**, K Roy-Green, G Dowe, N Anderson, G Nicholson. HLA-DRB and Systemic Lupus Erythematosus. *Southern Medical Journal* (2002) 95: 717-19.
- * MF Smikle, R Wright-Pascoe, **EN Barton**, G Dowe, DT Gilbert, E Choo-Kang, O St C Morgan. Autoantibodies, Human T lymphotropic. Virus Type 1 and Type 1 Diabetes Mellitus in Jamaicans. *WIMJ* (2002) 51: 153-56.
- * SK Simon, SG Stephenson, KE Whyte, MO Stubbs, IE Vickers, **EN Barton**. Prevalence of chronic renal failure in the

diabetic population at the University Hospital of the West Indies. *WIMJ* (2003) 51:33.

Dr. Winston Williams

- * Pulse Intravenous Cyclophosphamide in Patients with Systemic Lupus Erythematosus and Diffuse Proliferative Glomerulonephritis. *WIMJ*.
- * Renal Histopathological changes in patients with Hemoglobin SS Disease. *WIMJ*.

Dr. David Gilbert

- * MF Smikle, R Wright-Pascoe, EN Barton, G Dave, **DT Gilbert**, E Choo-Kang, O St C Morgan. Autoantibodies, Human T Lymphotropic Virus Type 1 ad Type 1 Diabetes Mellitus in Jamaicans. *WIMJ* 2002; 51(3): 153-6.

PUBLIC SERVICE

Professor Everard Barton

- Resource Personnel with the Kidney Foundation of Jamaica
- Founded an Outreach Renal Service for Manchester and St. Elizabeth
- Volunteer, Missionaries of the Poor in Jamaica.

Dr. Althea East-Innis

- Member, Dermatology Association of Jamaica

DEPARTMENT OF MICROBIOLOGY

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

WORK OF THE DEPARTMENT

The academic year 2002/2003 brought many challenges yet the Department of Microbiology remained focused to achieve the desired results. The department continued to experience increases in the demand for its diagnostic services. A total 70,829 clinical samples were processed in 2002/2003 a 0.13% increase over the 70,738 processed in 2001/2002. The increase was predominantly due to the immunology laboratory services which had increases of 5.2% and 17.1% in clinical samples processed and work units, respectively.

As part of the postgraduate programme in medical microbiology the medical residents received varying periods of training at overseas institutions. Dr Patrick Akpaka and Dr Robert Sue-Ho pursued electives of 6 months and 3 months, respectively, at hospital laboratories in Toronto, Canada. Dr Ivan Vickers, senior medical resident took up a Commonwealth fellowship and a one year elective at the University of Nottingham, U.K. Mr Orville Heslop, a member of staff and Ph.D. candidate, received training in molecular aspects of the human immunodeficiency virus (HIV) at the Centers for Disease Control and Prevention, Atlanta, U.S.A., January - April, 2003. Dr Alison Nicholson, lecturer and consultant microbiologist, attended a short summer course at the John Hopkins University, Bloomberg School of Public Health, Baltimore, Maryland, U.S.A.

Members of staff including Hyacinth Thomas, administrative medical technologist, Lennox Pryce and Alcia Jones, senior medical technologists, were awardees at the University's long service award ceremony, December, 2002. Mrs Thomas had served the University for 30 years and Mr Pryce and Miss Jones each for 15 years. Christine Stought-O'Gilvie, senior medical technologist, resigned effective October 2002. Mrs Icemer Nettleford, senior departmental attendant took up her retirement December 2002, having served the University for over 25 years. For unexplained reasons, several established posts in the department have remained temporarily filled for long periods spanning months to years.

As mentioned in previous reports, the department's infrastructure is still in a state of disrepair pending the long outstanding refurbishment project.

RESEARCH IN PROGRESS

Dr N Bodonaik

- Studies on the prevalence of antibiotic resistance and resistance phenotypes of *Neisseria gonorrhoeae* encountered in Jamaica.
- Analysis of serotypes and antibiotic resistance in strains of *Streptococcus pneumoniae* and the burden of pneumococcal infections at the University Hospital of the West Indies (UHWI).
- Pattern of *Haemophilus influenzae* type b disease and antibiotic resistance in strains of *Haemophilus influenzae* encountered at the UHWI.
- Studies on methicillin resistance in strains of *Staphylococcus aureus* encountered at the UHWI for the past 20 years.
- Surveillance of blood stream infections in patients at the UHWI.
- Analysis of serotypes and antibiotic resistance in non-typhoid Salmonella encountered in Jamaica.
- Phage types and antibiotic resistance of typhoid bacilli encountered in Jamaica. Attempt is made for molecular fingerprinting.

- Serotypes and antibiotic resistance in strains of *Shigella* encountered in Jamaica - ongoing studies for the past 20 years.
- Changing epidemiology of urinary tract infections in patients at the UHWI.
- Bacterial meningitis in children in Jamaica.
- Augmentin susceptibility in Gram negative bacilli isolated from patients at the UHWI.
- Ascertaining the clinical significance of coagulase negative *Staphylococci* from blood cultures – A prospective surveillance.

Mr O Heslop

- *Clostridium difficile* infection in cancer patients.
- The epidemiology of human immunodeficiency virus type 1 subtypes in Jamaica

Dr G L Saunders

- An in vitro model of *Enterobacter* and *Staphylococcus aureus* co-infection.
- Multiresistant *Escherichia coli*.
- Blood culture technique: Web page design, implementation and impact.

Dr K Roye-Green

- Molecular typing of ceftazidime resistant *Klebsiella pneumoniae* isolated at the UHWI.
- Review of bacterial meningitis in Jamaica.

Dr A Nicholson

- The epidemiology of *Tinea capitis* in Kingston, Jamaica.
- The epidemiology of bacterial infections in the neonatal unit at the UHWI.
- *Staphylococcal* infection in paediatric admissions at the UHWI – a 10 year review.

Dr S Jackson

- Viral causes of respiratory tract infection at the UHWI.
- Investigations of viral central nervous system infection.
- Enterovirus infections at the UHWI.
- The epidemiology of mycotic vulvovaginitis.

Dr G Dowe

- Molecular studies on *Helicobacter pylori* isolated from Jamaicans.
- *Chlamydia trachomatis* and other microbial causes of reactive arthritis in Jamaican patients.

Dr M Smikle

- Selected antimicrobial profiles and clonality of enterococci.
- A study of hospital acquired infection at the UHWI.
- The HLA, chronic and infectious diseases in the Jamaican population.
- Immunological and molecular studies of the human immunodeficiency virus.

Dr JF Lindo

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

PAPERS PRESENTED

- “Laboratory testing for systemic rheumatic diseases.” **M F Smikle**. Caribbean College of Family Physicians Workshop on Rheumatic Disorders. Kingston, Jamaica, July 2003.
- “Antibiotic resistance patterns of respiratory tract pathogens.” **A Nicholson**. Sponsored by The Medical Association of Jamaica in association with Aventis Pharma. Kingston, Jamaica, July 2003.

- “The emergence of *Stenotrophomonas maltophilia* as a significant nosocomial pathogen at the University Hospital of West Indies.” **A Nicholson, D Castle, I Tennant, M Nelson.** Caribbean Health Research Council 48th Annual Conference, Nassau, Bahamas, May 2003.
- “The bacteria in leg ulcers – to treat or not? What is the answer?” **A Nicholson.** The Dermatology Association of Jamaica. Kingston, Jamaica, March 2003.
- “An in vitro model of Enterobacter and *Staphylococcus aureus* co-infection.” **G Saunders, N Boudaïk, M Smikle.** Faculty of Medical Sciences 11th Annual Research Conference. Kingston, Jamaica, November 2002.
- “Plasmid content of ESBL *Escherichia coli*.” **G Saunders, K Roye-Green, N Boudaïk, M Smikle.** Faculty of Medical Sciences 11th Annual Research Conference. Kingston, Jamaica, November 2002.
- “Pre-operative vaginal antiseptics and post-operative bacterial load: The possible correlation with vault infection”. M. Williams, A. Muylings, H. Fletcher, **A. Nicholson, M. Reid** Faculty of Medical Sciences 11th Annual Research Conference. Kingston, Jamaica, November 2002.
- “Antimicrobial susceptibility patterns in bacterial isolates in intensive care unit patients at the University Hospital of the West Indies.” **I Vickers.** Faculty of Medical Sciences 11th Annual Research Conference. Kingston, Jamaica, November 2002.
- “Frequency of occurrence and antibiotic resistance in bacteria isolated from patients in intensive care unit” **PE Akpaka, R Sue-Ho, NC Boudaïk.** Faculty of Medical Sciences 11th Annual Research Conference, Kingston, Jamaica. November 2002.
- “The human T lymphotropic virus type-1 autoantibodies and type 1 diabetes mellitus in Jamaica.” **MF Smikle, R Wright-Pascoe, EN Barton, G Dowe, O St. C Morgan.** The Ninth International Conference on Human Antibodies and Hybridomas. Berne, Switzerland, September 2002.
- “Bacterial causes of upper respiratory tract infection.” **A Nicholson.** Meeting of paediatricians, general practitioners and

pharmacists. Sponsored by Glaxo SmithKline Caribbean Limited. Kingston, Jamaica. September 2002.

- “Change in the incidence of gentamicin resistance in 15 years in a tertiary care teaching hospital.” **NC Bдонаик, O Heslop, R Sue-Ho**. 10th International Congress on Infectious Diseases. Singapore, March 2002.
- “Methicillin resistance in strains of *Staphylococcus aureus* at the University Hospital of the West Indies, Jamaica, 1980 - 1997.” **NC Bдонаик, A Nicholson**. 10th International Congress on Infectious Diseases. Singapore, March 2002.
- “Comparison of penicillin MICs in strains of *Streptococcus pneumoniae* isolated from sterile and non-sterile body sites.” **NC Bдонаик, O Heslop**. 10th International Congress on Infectious Diseases. Singapore, March 2002.
- “Antibiotic resistance in recent isolates of Shigella in Jamaica”. **NC Bдонаик and WN Chen**. 10th International Congress on Infectious Diseases, Singapore, March 2002.
- “Patterns of isolates of blood stream infections at the University Hospital of the West Indies: Comparison with those observed in other developing and developed countries”. **NC Bдонаик**. 10th International Congress on Infectious Diseases, Singapore, March 2002.

PUBLICATIONS

Refereed:

- * Hepatic abscesses at the University Hospital of the West Indies: A 24 year autopsy review. Gaskin DA, **Bдонаик NC**, Williams NP. *WIMJ*, 2003; 52: 37-40.
- * Autoantibodies, Human T lymphotropic virus type 1 (HTLV-1) and type 1 diabetes mellitus in Jamaica. **Smikle MF**, Wright-Pascoe R, Barton EN, **Dowe G**, Morgan O St C. *WIMJ*, 2003; 51 (3): 153-156.
- * A serosurvey of hepatitis B virus, hepatitis C virus and syphilis in HIV infected patients in Jamaica. **Smikle MF, Heslop O, Vickers I, Dowe G, Sue-Ho R**, Morgan O St C, Denbow C, Bain B, Barton EN. *WIMJ*, 2003; 52 : 14-16.

- * Severe cutaneous larva migrans in a traveller to Jamaica, West Indies. French SJ and **Lindo JF**. *Journal of Travel Medicine* 2003; 249-250.
- * Seroprevalence of hepatitis C virus infection in haemophiliacs in Jamaica. Wharfe G, **Smikle MF**, **Dowe G**, Graham S, Choo Kang E. *Human Antibodies* 2002; 11: 61-64.

Non-refereed

- * Monograph: Lecture notes on the Bio Merieux Vitek/biolaison system for technical users. **GL Saunders** (2003).

CATEGORIES OF STUDENTS

Undergraduate

The undergraduate medical microbiology courses were taught to over 400 students in four different year groups of the MBBS programme. A total of 89% (89/99) candidates were successful in the April/May 2003 examinations. The Louis Grant prize was awarded to Simone Bailey.

Postgraduate

Six (6) candidates are registered in graduate programmes in medical microbiology. These include the DM Medical Microbiology (3 candidates); PhD Medical Microbiology (2 candidates); MPhil Medical Microbiology (1 candidate).

PUBLIC SERVICE

Dr Monica Smikle

- Member, Medical Laboratory Technical Committee, Bureau of Standards, Jamaica.
- Member, Standards Subcommittee on Medical Laboratory Services in the Caribbean, CAREC, Trinidad.

DISTINGUISHED VISITORS

Professor Stephen Gillespie, Department of Microbiology, Royal Free Campus, Royal Free and University College Medical School, London, UK.

Dr Marcia Hobbs, University of North Carolina, Department of Medicine, Division of Infectious Diseases, North Carolina USA.

Dr Marcus Steiner, Family Health International, North Carolina USA.

Mr Andrew Hak Ou, Third secretary vice Consul, US Embassy, Kingston, Jamaica.

Dr Mike Drebot, National Microbiology Laboratory Health, Canada.

DEPARTMENT OF OBSTETRICS, GYNAECOLOGY AND CHILD HEALTH

**Dr. Joseph Frederick, MBBS, DM(O&G), FRCOG, FACOG
– Head of Department**

WORK OF THE DEPARTMENT

The main focus of the department is on human resource development which is vital for the realization of the organizational goals of the University. The restructuring exercise which is still in its embryonic stage continues to define the way forward despite the difficulties. Our ultimate goal is to provide high quality teaching and research pertinent and beneficial to our people and to empower our students to be not only the users of technology but one day to contribute to the development of the technology.

Minority International Research Training (MIRT) Programme National Institutes of Health

The MIRT programme, jointly co-ordinated by Michigan State University (MSU) and the Section of Child Health, and funded by the NIH is now in its seventh year. This year, two students from MSU and one from the University of Vermont visited Child Health to receive training in child development and behaviour research under the supervision of the NIH approved mentor, Dr. Maureen Samms-Vaughan

Perinatal Service 2002 – 2003

The Perinatal service hosted a very successful conference on February 7-8, 2003, under collaboration with PAHO and the Ministry of Health, Jamaica. Over 400 persons had registered for the conference with

local and regional participants. Both Obstetrics and Child Health sections collaborated in this effort. In continuation with 2002 we had the annual Perinatal audit. New this year was the initiation of a computerized perinatal database called SIP with the assistance of PAHO. Several skills workshops were on the agenda covering topics involving perinatal emergencies. Six hours CME accreditation was approved by the medical and nursing councils. Day 2 of the conference highlighted current research in the field areas such as diagnosis of congenital malformations; fetal origins of adult disease, HIV in pregnancy and long term outlook from neurological handicap. Social events around the conference saw presentations from two emeritus professors in the department. A conference CD documenting the proceedings has been a hit with both participants and subsequent academic visitors to the department.

Oncology Unit

The Department of Obstetrics, Gynaecology & Child Health in conjunction with the Grabham Society of Obstetricians and Gynaecologists of Jamaica organized a two day conference in oncology.

This included two half day hands-on sessions in colposcopic procedures to undergraduate, postgraduate students and physicians. Dr Manuel Panalver an oncologist from the Gynaecology department of the University of Miami conducted the workshops. This was well attended and had a tremendous impact on the development of oncology as a subspecialty in the department.

Assisted Reproduction

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. Dr. Joseph Frederick as director of the programme with Drs. Shaun Wynter and Vernon DaCosta as clinicians and Dr. Audrey Pottinger and Sister McKenzie as counsellors.

Two new staff members joined the programme in Miss Denise Everett, a senior embryologist (Biologist) from Lester Women Hospital, London 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.

STAFF

Academic Achievements

Professor Celia Christie, Fellow, Infectious Diseases Society of America (FIDSA), USA, for recognition in achieving professional excellence in Infectious Diseases and related fields. “Infectious Diseases Society of America, Service Award”, in appreciation of distinguished service, as Chair of the Committee on Professional Development and Equity, Term from 1999 to 2002.

Dr. Santosh Kulkarni was promoted to a Senior Lecturer in the department.

Dr. Horace Fletcher was elevated to a Fellow of the Royal College of Obstetricians and Gynaecologists.

Child Health staff members provided consultancy services to UNICEF/ PAHO during this academic year.

Dr. Maureen Samms-Vaughan was consultant/advisor to PAHO/UNICEF in the area of child development and behaviour as follows:

- PAHO – Forum on Health Promotion and Prevention. Child Development Panel. Chile, October 2002
- UNICEF - Development of global indicators for the psychosocial development of the early childhood period. New York, USA. November 2002.
- PAHO (Caribbean) - Injury and Sentinel Surveillance. St. Lucia. February 2003
- PAHO/Harvard/Columbia collaboration on Child Development Research in Latin America and the Caribbean. Harvard University, Boston, USA. December 2002

- UNICEF – Development of a screening programme for the identification of children at developmental risk.

Dr. Roxanne Melbourne-Chambers is currently providing consultancy services to UNICEF on the development of a curriculum on breast-feeding for medical and nursing staff and students.

Prof. Robert Gray provided consultancy services in the development of a screening programme for general health problems in children.

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

- Staphylococcal infection in Jamaican children : A ten year review
- The impact of HIV on epidemiology of tuberculosis in Jamaica : A ten year review
- The Paediatric OSCE : A new assessment tool
- Antibiotic use and misuse in children

- The impact of continuing medical education on physician knowledge of tuberculosis
- The clinical epidemiology of toxocariasis in Jamaican children
- Parents’ knowledge, concerns and misconceptions about immunization

Prof. 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”, 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.

Dr. Vernon DaCosta

- Attitudes of IVF patients regarding the IVF experience at the University of the West Indies and their children, **V. DaCosta, J. Frederick, S. Wynter**
- A 15-year Review of Laparoscopic Female Sterilisation at the University of the West Indies, documenting the successful use of outpatient sterilization under local anaesthesia (Data analysis in preparation), H Wynter , S. Wynter, **V. DaCosta** and J. Frederick.
- A review of the first sixty cases of no-scalpel vasectomy (A new technique) performed in the fertility management unit of the University of the West Indies, **V. DaCosta**, J. Frederick, S. Wynter.
- A pilot study in the efficacy of the uterine artery ligation via laparoscopic for the treatment of symptomatic uterine leiomyomata, **V. DaCosta**, S. Wynter, J. Frederick.

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.
- The use of peritubal versus incisional intercede at Myomectomy to improve fertility.
- Follow-up or lack of follow-up for abnormal papanicolaou smears.
- Incidence of endometriosis in Jamaica
- Psychological development of low birth weight babies

Dr. 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 antiantibodies in patients with recurrent abortions.
- Ovarian hyperstimulation syndrome in patients undergoing controlled ovarian stimulation.
- Male infertility, incidence and aetiological factors and treatment options

Dr. Anthony Mullings

- Hypoviscosity in pre-eclampsia is associated with poor perinatal outcome. Pepple DG, Reid HL, **Mullings AM**, et al.
- An unusual case of ovarian tumor. Coard K, **Mullings AM**, et al.

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 (prospective follow-up of HIV infected children attending the Kingston Paediatric and Perinatal HIV/AIDS)

Dr. A. Pottinger

- The use of corporal punishment in the classroom
- Content analysis of crime and violence reporting in print and broadcasting media in Jamaica

Dr. Carole Rattray

- Treatment of Hyperemesis Gravidarum with Steroids.
- Subfascial haematomas following Pfannenstiel incision – is a subfascial drain justified.
- Normal Semenanalysis 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. M. 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

Dr. H. Trotman

- Pain and pain management in the newborn: Knowledge, attitudes and practices of health care providers.
- Outcome of neonates admitted to the Intensive care Unit at the University Hospital of the West Indies: A 15 year review
- The epidemiology of bacterial infections in the neonatal unit at the University Hospital of the West Indies
- Comparison of body composition between pregnancies of teenage girls and mature women and the impact on foetal growth and birth outcome
- The epidemiology of unintentional childhood injuries in Jamaica

PAPERS PRESENTED:

Dr. Kay Bailey

- “Update on the management of acute asthma exacerbations in children”, Jamaica Medical Association Conference, March 2003.
- “The management of chronic asthma in children”, 48th Bi-annual Conference of the Nurse Practitioners Association, June 2003.

Dr. Michelle Barton

- “Otitis Media - keeping pace with diagnosis and current management”. Continuing Medical Education Conference: Montego Bay Chapter of Physicians, September 2002.
- “Tuberculosis - the essentials of diagnosis. TB update”, Ministry of Health Conference, December 2002

- “The use and abuse of antibiotics” Paediatric Association of Jamaica 14th Biennial International Conference, Kingston, March 2003.
- “Pneumococcal pneumonia - The Jamaican experience”, Caribbean Health Research Conference, Nassau, Bahamas, April 2003.
- “Hypernatremic dehydration in Jamaican breast-fed neonates : An eleven year review in a baby friendly hospital”, Caribbean Health Research Conference,
- “Meningitis in Children”. Ena Thomas Memorial Symposium on Emergency Medicine, Le Meridien Jamaica Pegasus Hotel, Kingston, Jamaica, November 17, 2002.

Christie C. D.

- “Pediatric and Perinatal HIV Leadership Initiative in Kingston, Jamaica.” Elizabeth Glaser Pediatric AIDS Foundation, “ANNUAL THINK TANK”, Loew’s Ventanna Canyon Resorts, Tuscon, Arizona, On November 21-24, 2002.
- “Pediatric and Perinatal HIV/AIDS and Guidelines for Anti-Retroviral Therapy.” Guest Speaker, LASCO Pharmacist of the Year Awards Function, Terra Nova Hotel, Kingston, Jamaica, December 1, 2002.
- “Perinatal HIV transmission reduction”. Perinatal Conference, Department of Obstetrics, Gynaecology and Child Health, 09 Feb, 2003.
- “Care and Research Programs: Issues with HIV Infected Women, Children Adolescents and Families in Jamaica.” *National Institutes of Allergy and Infectious Diseases*, Division of AIDS, Pediatric AIDS Clinical Trials Group Leadership Retreat, Puerto Rico, April 26-29, 2003.
- “Antiretroviral Drug Therapy in Children”. HIV Clinical Management and ARV Therapy Regional Workshop, Sponsored by Ministry of Health, Jamaica, USAID, CDC, CAREC, PAHO,WHO, in Montego Bay, May 14-16, 2003.
- “A Paediatric and Perinatal HIV/AIDS Leadership Initiative in Kingston Jamaica”. Paediatrics Grand Rounds – Clinico-

Pathological Conference, 09 April, 2003, Faculty of Medicine, UWI – Campus, Jamaica.

Dr. Vernon DaCosta

- “Management of postmenopausal bleeding”, The Junior Fellows of the American College of Obstetricians and Gynaecologists symposium, Kingston, Jamaica, July 2003.
- “Management of chronic pelvic pain”, The American College of Obstetricians and Gynecologists District IV Symposium, Kingston Jamaica, March 2003.
- “Ovarian dysfunction with special emphasis on polycystic ovarian syndrome”, Association of General Practitioners of Jamaica Endocrinology Seminar, Alhambra Inn Hotel, April 2003.
- “Management of pelvic pain”, Association of General Practitioners of Jamaica emergency medicine seminar, Kingston, Jamaica, February 2003.

Dr. Horace Fletcher

- “Hypertensive disorders of pregnancy”, UWI Perinatal Conference 2003
- “Vulval Cancer in Jamaica 2003” Clinicopathological conference – UHWI
- “Vulval Cancer in Jamaica 2003” Caribbean Health Research Conference - Bahamas
- “Cervical Cancer Community education, research, evaluation of needs, what the future holds”, Grabham Society, LOJ Centre, Kingston, Jamaica 2003

Dr. Joseph Frederick

- “Endometriosis, Investigations and Treatment Options”, Continuing Medical Education Nassua, Bahamas, May 29, 2003
- “Investigations and management of infertility”. The Association of General parishioners of Jamaica. Alhambra Hotel, June 15, 2003

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

Dr. Sharmaine Mitchell

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

Dr. Anthony Mullings

- “Congenital Malformations”, Clinicopathological conference, UHWI, November 2002
- “Questioning as a teaching tool”, Instructional Development Unit Workshop, January 2003.
- “Prenatal diagnosis”, Perinatal Mortality and Morbidity Conference, UWI, February 2003.

Dr. Russell Pierre

- “Daycare and your child”. Paediatric Association of Jamaica, 14th Biennial International Paediatric Conference on Community Paediatrics, Jamaica Pegasus Hotel, Kingston. March 2003.
- “HOPE worldwide Jamaica HIV Maze - an innovative intervention for HIV/AIDS education and prevention in Jamaican high school students”, 48th Annual Council and Scientific Meetings, Caribbean Health Research Council, Nassau, Bahamas. April-May 2003.
- “A novel pilot camp for adolescent children of HIV positive parents in Jamaica”. Annual National Institute of Mental Health (NIMH) International Research Conference on the Role of families in preventing and adapting to HIV/AIDS, Capitol Hilton Hotel, Washington DC, USA. July 2003.

Dr. Audrey Pottinger

- “Effects of loss and violence on 9-10 year olds in inner city communities”. World Mental Health Day Conference, Jamaica Conference Centre, October 2002.

Dr. Maureen Samms-Vaughan

- “Determinants of early childhood development in Jamaica”. PAHO/WHO /Chile Forum on Health Promotion. Enabling and Empowering Partnerships for Health, Santiago, Chile. October, 2002
- “Exposure to violence: risk and protective factors and effects”. 16th Annual Mental Health Conference. Jamaica Conference Centre. October 2002.
- “Factors associated with violence and aggression in Jamaican children”. PAHO Technical Working Group Conference, St. Lucia, November 2002.
- “Long term outcome from neurological handicap”. Perinatal Conference 2003, Department of Obstetrics, Gynaecology and Child Health, Faculty of Medical Sciences, UWI. February 2003.
- “Child Abuse, death and disability. Paediatric Association of Jamaica”, 14th Biennial International Conference 2003. Jamaica Pegasus Hotel, Kingston, Jamaica. March 2003.
- “The Jamaican Child’s Rights to Education”. Workshop on the Inter-American System of Human Rights and the Promotion and Defense of the Rights of the Child. Knutsford Court Hotel, Kingston, Jamaica. June, 2003.
- “Does HTLV1 infection affect childhood mental development?” 11th International Conference on Human Retrovirology. Cathedral Hill Hotel, San Francisco, California. June 2003.
- “The influence of crime and violence on childhood”. Medical Association of Jamaica Conference. Jamaica Pegasus Hotel, June 2003.
- “The developmental and behavioural impact of paediatric disease”. Medical Association of Jamaica Conference, Jamaica Pegasus Hotel. June 2003.

Dr. Minerva Thame

- “Early origins of adult disease”. Perinatal Conference 2003, Department of Obstetrics, Gynaecology and Child Health, Faculty of Medical Sciences, UWI. February 2003.

- “The role of maternal size and adiposity in programming offspring blood pressure and HPA activity” (poster), Second World Congress on Fetal Origins of Adult Disease. Brighton, UK. June 2003
- “Age at adiposity rebound is a predictor of blood pressure and body composition in Jamaica children” (poster) Second World Congress on Fetal Origins of Adult Disease. Brighton, UK. June 2003

Dr. Helen Trotman

- “Overview of neonatal statistics 2002”, Special Care Unit, UHWI, Department of Obstetrics, Gynaecology and Child Health, Perinatal Conference, February 2003.
- “Hypernatremic dehydration in Jamaican breast-fed neonates: An eleven year review in a baby friendly hospital”, Caribbean Health Research Conference, Nassau, Bahamas, April 2003.

PUBLICATIONS

Refereed:

- * “Respiratory Disorders in Newborns,” **Antoine M**, *WTMJ* 2003; 52(1): 1
- * Kawasaki Syndrome associated with Group A Streptococcal and EBV Co-infections. *Annals of Tropical Paediatrics* 2002; 22:257-60. **Barton M, Melbourne R**, Morais P, Christie C.
- * Cervical Pregnancy: Case Report and Review, *WTMJ* 2002; 51(4): 257, **V. DaCosta, S. Wynter, J. Frederick, H. Wynter** and **H. Fletcher**.
- * Successful pregnancy after hysteroscopic Metroplasty. **V. DaCosta, S. Wynter, J. Frederick, H. Wynter, M. Williams**.
- * Placental separation due to lap seat belt injury during air travel. **Fletcher H**, Wharfe G and **Mitchell S**. *J Obstet Gynaec* 2003, 23:73-80

- * Induction of labour with vaginal misoprostol: A comparison of 50ug twice daily (50bd) with 100ug used once daily (100od) Rockhead C., **Fletcher H.** and Morgan O. *Int. J Obstet Gynae* 2003, 80:271-277
- * Ultrasound derived growth curves for a Jamaican population. **Thame M.** Osmond C., **Fletcher H.** *WIMJ* 2003 52:99-110.
- * In vitro fertilization – The Jamaican experience. **Frederick J., Wynter S., DaCosta V.,** Frederick C., Aldis G., Birch H., **Wynter H.H,** Williams R., McKenzie C., McCleod Y. *WIMJ.* 2002 Dec; 50(4):278-81.
- * Endometriosis co-existing with Bilateral Dermoid Cysts of the ovaries treated by laparoscopy, **J. Frederick, V. DaCosta, S. Wynter,** I. Tennant, C. McKenzie and Y. McDonald. *WIMJ* 2003,52:179-181.
- * Operative Morbidity and reproductive outcome in secondary myomectomy; A prospective cohort study. **J. Frederick, M. Hardie, M. Reid, H. Fletcher, S. Wynter,** C. Frederick *Human Reproduction.* 2002, 11:2269 –72.
- * Formaldehyde soaked packs to stop intractable bleeding in Obstetric patients.**H Fletcher,** G Wharfe, **S. Mitchell,** J. Simon. *J Obstet and Gynae* 2002; 22:570-1.
- * Progressive Epstein-Barr infection in a six-year old male. **R. Pierre, R. Melbourne-Chambers,** G. Blake, E. Williams. *WIMJ* 2002; 51 (4): 247-250.
- * Suicidal behaviour and risk factors in children and adolescents in Jamaica. **Pottinger A.,** Milbourn P., Leiba J. (2003). *WIMJ,* 52, 127-130.
- * “Hepatitis B associated nephrotic syndrome in Jamaican children.” Miller, M.E.Y., **Pierre R B,**Plummer MH, Shah D J *Annals of Tropical Paediatrics* 2002; 22: 261-266.
- * “HIV Infection Seroprevalence and risk factor study among pregnant women attending the Antenatal Clinic at the University Hospital of the West Indies”, Kingston, Jamaica. Perry D, Reid M, **Thame M, Fletcher H, Mullings A,** McCaw-Binns A, King D, **Rattray C,** *WIMJ* 2002; 51 (2): 80-83.

- * Determining early childhood indicators for Jamaica: a methodological approach. **Samms-Vaughan ME**, Williams S, Brown J, *Journal of the Children's Issues Coalition*. 2003; 1: 39-53.
- * Early academic learning problems of Jamaican children: possible family influence. Kirsch EA, Lambert M, Bhagwanaji J, **Samms-Vaughan M** *Journal of International Special Education and Services* 2003, 6: 6-13.
- * "Shortness at birth is associated with insulin resistance in pre-pubertal Jamaican children. Bennett, FI, Watson-Brown C, **Thame M**, Wilks R, Osmond C, Hales N, Baker DJP, Forrester T, *Eur J Clin Nutr*. 2002; 56 (6): 506-511.
- * "Primary malnutrition - can you tell?" Stephen C, **Thame MM**, Gray R, Wilks R, Forrester T, McKenzie C, *WIMJ* 2002; 51 (3): 148.
- * "The relationship between circulating insulin-like growth factor-I (IGF-I), IGF-I binding proteins-1 and -2 and birth anthropometry "A prospective study. Boyne M, **Thame M**, Bennett F I, Osmond C, Miell J P, Forrester, T E, *J Clin Endocrinol Metab* 2003; 88:1687-1691.

Non-refereed

- * "My child - Caring for children with HIV". A parent handbook on Child Health. **Pierre R**, Bailey A Bain P, Levy B, Ramsay H Centre for HIV/AIDS Research, Education and Services, UNICEF 2003.
- * "Ultrasound derived fetal growth curves for a Jamaican population". **Thame M**, Osmond C, **Fletcher H**, Forrester T *WIMJ* 2003; 52 (2): 99-100.

Abstracts:

- * factors associated with poor outcome in Jamaican Children with Pneumococcal Meningitis. **Barton M**, Mcgregor D, Trotman H *WIMJ* 2002; 51: (suppl 2): 27
- * Hypernatremic Dehydration in Jamaican Breast-fed Neonates: a ten-year review in a baby-friendly hospital. Trotman H, Lord C, **Barton M**, Antoine M *WIMJ* 2003; 52 (suppl 2):30

- * Pneumococcal Pneumonia – The Jamaican experience. Howell N, McGregor D, **Barton M**, Thomas S *WIMJ* 2003; 52 (suppl 2): 29
- * Vulvectomy at the University Hospital of the West Indies: a review. *WIMJ* (2003 Suppl.) Vol 52:33. **R Mansoor, H Fletcher, S Mitchell, C Rattray**, M Reid, **S Kulkarni**
- * Medical paediatric admissions to the University Hospital of the West Indies in 1999. Eck C, **Pierre R**, Hambleton I *WIMJ* 2002; 51 (suppl 4): 33-34.
- * HOPE worldwide Jamaica HIV Maze – an innovative intervention for HIV/AIDS education and prevention in Jamaican high school students. Swaby P, **Pierre R**, Sue-Ho R, Norman L *WIMJ* 2003; 52 (suppl.3): 70.
- * Vulvectomy at University Hospital of the West Indies; a review. **R. Mansoor, H Fletcher, S Mitchell, C Rattray**, M Reid *WIMJ* (Supp3) 2003 52:33
- * Hormonal contraception and cervical dysplasia in Jamaican women. P Bazuaye, M Jackson, M Smikle, **H Fletcher, C Rattray**, N McFarlane, *WIMJ* Supp3 2003 52:36.
- * Blood pressure, nitric oxide levels and the glu298asp variant of endothelial nitric oxide synthase and pre-eclampsia in Jamaican women. **H. Fletcher**, *WIMJ* Supp 3 2002 52:36
- * Risk factors for unplanned pregnancies in Jamaican University students. **H Fletcher**, *WIMJ* Supp3 2003 52:76-77.
- * Factors associated with poor outcome in Jamaican Children with Pneumococcal Meningitis. Barton M, McGregor D, **Trotman H** *WIMJ* 2002; 51: (suppl. 2): 27
- * Hypernatremic Dehydration in Jamaican Breast-fed Neonates: an eleven year review in a baby friendly hospital. **Trotman H**, Lord C, **Barton M, Antoine M** *WIMJ* 2003; 52 (suppl 2):30.
- * “Kawasaki syndrome associated with Group A streptococcal and EBV Co-infections. **Barton M, Melbourne R, Morais P** Cambridge Scientific Abstracts (CSA) 2003. AIDS and Cancer Research Abstracts: Accession number 5534969

- * Herpernatraemic Dehydration in Jamaican Breast-Fed Neonates: An eleven year review in a baby friendly hospital. **Trotman H**, Lord C, **Barton M**, **Antoine M** *WIMJ* 2003; 52 (suppl 2): 30

PUBLIC SERVICE

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

Dr. Barton, M.

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

Dr. Melbourne-Chambers, R.

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

Professor Christie, C. D.

- Inaugural Member, HIV Medicine Association of America
- Member, Pediatric Infectious Diseases Society of America
- Chairperson, Professional Development and Equity Committee of the Infectious Disease Society of America
- Non-Executive Board Member, Scientific Research Council of Jamaica
- Non-Executive 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

Dr. Vernon DaCosta

- Member, Kiwanis Club of Liguanea

Dr. Horace Fletcher

- President, Grabham Society (Jamaican Association of Obstetricians and Gynaecologists)
- Vice Chairman, West Indies Section American College of Obstetricians and Gynecologists
- Floor Member, Senior Common Room Committee
- Member, International Committee to review Screening for Cancer Cervix in the Caribbean
- Member, organizing committee, Faculty Research Day 2003

Dr. Joseph Frederick

- University examiner for Obstetrics and Gynaecology
- Director , Assisted Reproductive Technology programme, Fertility Management Unit.
- Member, Grabham Society (Jamaican of Association of Obstetricians and Gynaecologists)
- Chairman, Specialty Board of Obstetrics,Gynaecology and Child Health.
- Member, Pacesetters Toast Masters Club.
- Chairman, Curriculum Review Committee for postgraduate training in Obstetrics and Gynaecology.

Dr. Millard, D.

- Chairman, Adoption Board
- Chairman, Bustamante Hospital for Children Management Committee
- Member, South East Regional Health Authority Board
- Member, Technical Subcommittee of South East Regional Health Authority
- Consultant, Ministry of Health Rheumatic Fever 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. Samms-Vaughan, M.

- Board Member, Vaz Preparatory School
- Board Member, Queens High School
- Board Member, Promise Learning Centre
- Consultant, Jamaica Attention Deficit Disorder Association
- Member, Society for Developmental and Behavioural Paediatrics, USA
- Member, Society for Research in Infant and Child Development, UK

Dr. Thame, K.

- Secretary, Paediatric Association of Jamaica

Dr. Thame, M.

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

Dr. Trotman, H.

- Member, Paediatric Association of Jamaica (PAJ Executive)
- Editor , “The Pickney”, PAJ quarterly newsletter
- Member, Paediatric Association of Jamaica Educational Committee
- Member, Paediatric Association of Jamaica Planning Committee for the 14th Biennial International Conference

CATEGORIES OF STUDENTS:

Five postgraduate students were successful at the DM Paediatrics Part II (final) examinations held at the Mona Campus this year. Three students were from the Mona Campus. The Section facilitated the examination of two students from the Cave Hill Campus. Four postgraduate students were successful at the DM Part I examination.

Obstetrics & Gynaecology

This year marks the beginning of the introductory lectures to the preclinical students which is part of the urogenital module. This was concurrent with the weekly lectures to the students under the old system.

All 5 candidates were successful in the November/December MBBS examinations and 72 out of 76 students were successful in the May/June. One student received a distinction and eight received honors in Obstetrics and Gynaecology.

The postgraduate training is currently under review particularly with the advent of the restructuring exercise and the demands of the changing technology.

On the 31st May this year the department hosted a retreat on the DM programme which included participants from all the territories involved in postgraduate training in obstetrics and gynaecology. At that retreat a comprehensive review was conducted which critically evaluated the current programme. In the afternoon concurrent sessions were held to discuss the following areas,

- (a) Evaluation of the teaching in current programme and recommendations for the future,

- (b) Relevance of the research component in the training programme/role of the supervisors.
- (c) Evaluation of the current examinations and External examiners reports.
- (d) Is there a place for sub-specialization post training?

Then a team leader from each group outlined the recommendations on how to improve the programme which will be evaluated by a subcommittee prior to submission to the graduate committee.

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

DISTINGUISHED VISITORS

Dr. Ray Bahadeo-Singh, Head of Department (O&G), University of Cincinnati, Ohio

Professor Robert Shaw, University of Nottingham, UK.

Professor Stephen Smith, University of Cambridge, UK

Dr. Raleigh Butler, Head of Department, (O&G), Bahamas

Dr. Fernando Barros, Montevideo, Uruguay

Dr. Celia Burrell, London, England

Dr. Reginald Carey, UWI, Bahamas

Dr. James Johnson, UWI, Bahamas

Mary-Lou Snyder-Dunn, Ingenix Clinical Research Organization, USA

Betsy Adcock, Ingenix Clinical Research Organization, USA

Tiffany Nguyen, Ingenix Clinical Research Organization, USA

Matthew Brown, Ingenix Clinical Research Organization, USA

Elizabeth Skyles, Ingenix Clinical Research Organization, USA

Dr Ed Cooper, Visiting Professor of Pediatrics, England

Dr Maggie Feeney, Harvard University, USA

Dr Philip Goulder, Oxford University, England

Dr Beryl Irons, CAREC/PAHO/WHO, Trinidad

DEPARTMENT OF PATHOLOGY

Professor Barrie Hanchard MBBS FRCPC FRCP *Edin*
– Head of Department

WORK OF THE DEPARTMENT

Overview

The work of the department for 2002/03 has been influenced by the introduction of the new undergraduate curriculum, the continuing need for trained pathologists in the region, the ascendancy of laboratory medicine in clinical practice and the importance of cancer research as a means of improving the general health of the population.

The combination of basic and clinical medical sciences that constitutes the discipline of pathology has strongly influenced the role of the department in the execution of the new undergraduate curriculum. The inclusion of general and systematic pathology into modules taught in the first and second years of the curriculum placed heavy demands on the teaching resources of the department, given the overlap with the traditional courses in the 'old' curriculum for the classes of 2004 and 2005. At the same time a full postgraduate training programme had to be maintained.

The current trend in clinical practice where laboratory medicine drives clinical medicine has challenged the department to maintain laboratory services at a level befitting a modern Teaching Hospital, in the light of increased demands for laboratory tests fundamental to the diagnosis and management of disease.

The emergence of the chronic diseases as a group contributing to significant morbidity and mortality in the population has highlighted the role of cancer research within the department. Through the various

research projects related to cancer, the department continues to provide information necessary for the formulation of cancer prevention and control programmes by health care administrators.

TEACHING

Undergraduate

This being the second year since the introduction of the new curriculum there were teaching responsibilities for the classes of 2006 and 2007 as well as for the classes of 2004 and 2005, being taught under the 'old' curriculum. As a result, the teaching resources in the department were heavily committed not only for the execution of teaching protocols but also for the development and planning of modules and for course assessments. The emphasis on seminars, tutorials and problem oriented learning (POL) exercises required increased input from the staff which had been augmented in 2001/02 in anticipation of this demand. The revolving programme of utilizing resident staff in the department to assist the Anatomy Section with the teaching of Histology proved very successful and should continue indefinitely.

Final examinations in Pathology and Microbiology (MB BS Stage II Part I) for the class of 2004 were conducted in April/May 2003. Ninety (95) students sat the examination. Of these, seventy seven (77, 81%) were successful; eight (8) passed with honours.

Postgraduate

The postgraduate programmes in the department leading to the DM (Path) UWI degree continued to operate at maximum capacity. All thirteen (13) University Hospital posts were occupied with the result that the accession of new candidates was entirely dependent on the graduation of those completing the programme.

In the October/November final examinations in 2002 one candidate was successful in the DM(Path) Anatomical Pathology examination and one in the DM(Path) Haematology examination. Both graduates have accepted professional posts in their native Caribbean countries.

The exchange programme with the University of Fort de France in Martinique which accepts residents for 6-month rotations in surgical pathology has been placed in abeyance due to the lack of residents with sufficient seniority to accept these posts. It is expected that during the

next academic year the programme will be reinstated as new residents earn the necessary qualifications.

RESEARCH

The HTLV-1 project entered its twentieth year as the largest funded research project in the Faculty. This project, a joint collaborative effort between the National Cancer Institute and the National Institutes of Health (NCI/NIH), Bethesda, USA and the department of Pathology continued research in several areas related to HTLV-I and its associated diseases in Jamaica. For 2002/03, the first year of a newly negotiated contract, emphasis was placed on the development and maintenance of new cohorts through which the natural history of HTLV-I infection in childhood and adulthood could be further defined. Other major areas of research continued as before, namely the study of specific disease associations – Adult T cell leukemia/lymphoma (ATL), Tropical Spastic Paraparesis (TSP) and Infective Dermatitis (ID). Treatment protocols for ATL executed either locally or at the National Cancer Institute continued to provide comparative data on the efficacy of treatment.

Other research projects in the department were heavily weighted towards the epidemiology, natural history and descriptive pathology of various cancers. The Jamaica Cancer Registry, based in the department, continued to collect, analyse and publish data on cancer incidence, and the recently expanded portfolio which now includes cancer mortality, has enabled the registry to adopt the global trend of reporting data on both cancer incidence and cancer mortality. The registry has also provided the framework on which members of staff developed and executed several other cancer research protocols. These include research into the major cancers affecting the population i.e. cancers of the prostate, breast, cervix, colon and blood. The prostate cancer project, a collaborative effort between the TMRI, the department of Pathology, the Urology division of the Department of Surgery, the University of Lagos in Nigeria and the University of Loyola in Chicago, and funded by the US Government Department of Defense, completed data collection in 2002. Data analysis has continued in preparation for presentation and publication of the data collected.

Research in subspecialty areas completed the remainder of the research portfolio of the department as follows: Renal pathology (Dr. Shah), cancer incidence and mortality (Professor Hanchard, Dr. Blake and

Dr. N. Williams (5 years)

Dr. G. Wharfe

Professor R. Wilks

Professor O. Morgan

Dr. M. Samms-Vaughan

Dr. A. East-Innis

b) **PROSTATE CANCER PROJECT**

Collaborators (local) **TMRI, Department of Pathology and Urology Division, Department of Surgery**

Investigators (local)	Funding	Agency
Professor F. Bennett (Principal)	US\$100,000	US Department of Defense

Professor K. Coard (3 years)

Dr. F. Tulloch 2000-2002

Professor T. Forrester completed

Dr. W. Aiken

NON-FUNDED PROJECTS

c) **THE JAMAICAN BREAST DISEASE STUDY**

Collaborators: **Department of Pathology and the Department of Surgery, Radiology and Intensive Care.**

Investigators

Dr. S. Shirley (Principal)

Dr. D. Mitchell

Dr. D. Soares

d) **AN ANALYSIS OF MEDICOLEGAL (CORONER'S) AUTOPSIES AT THE UNIVERSITY HOSPITAL OF THE WEST INDIES**

Investigators

Dr. C. Escoffery (Principal)

Dr. S. Shirley

e) **THE USEFULNESS OF TOUCH PREPARATION
CYTOLOGY IN AUTOPSY DIAGNOSIS**

Investigators

Dr. S. Shirley (Principal)

Dr. C. Escoffery

f) **THE PATHOLOGY OF BREAST CANCER IN
JAMAICA**

Collaborators: Department of Pathology and
National Public Health

Laboratory, Ministry of Health

Investigators

Dr. S. Shirley (Principal)

Dr. P. Sinclair

Dr. M. Stennett

Dr. R. Bhatt

Dr. G. Codrington

g) **COLON CANCER STUDY GROUP**

Collaborators Departments of Pathology,
Surgery,

Medicine and TMRI

Investigators

Dr. D. Brady-West (Principal)

Professor B. Hanchard

Dr. N. Williams

Dr. M. Newnham
Professor P. Fletcher
Dr. M. McFarlane
Professor M. Lee
Dr. M. Reid

h) **RENAL AND HEPATIC CADMIUM LEVELS
IN HUMANS**

Collaborators **Department of Pathology and
International Centre for
Environmental and Nuclear**

Sciences

Investigators

Dr. N. Williams (Principal)
Professor G. Lalor
Dr. R. Rattray
Dr. P. Wright

STAFF

Promotions

The department welcomed the promotions of **Dr. Kathleen Coard** to the post of Professor of Anatomical Pathology and **Dr. Gilian Wharfe** to the post of Senior Lecturer in Haematology.

Curriculum Development

Several members of staff are involved in the development of the new curriculum. Dr. Elaine Williams continues to serve as Chairman of the Assessment Committee, with Dr. Eric Choo-Kang and Dr. Kathleen Coard being members of the Committee; Drs. Carlos Escoffery and Gilian Wharfe are the Module Leaders for the Genito-Urinary and Haematology Modules respectively and Dr. Nadia Williams, Dr. Elaine Williams, Dr. Eric Choo-Kang and Dr. Gilian Wharfe are departmental representatives for the Stage II MBBS Planning Committee.

Research Fellowship

Dr. Garfield Blake was the recipient of a Fellowship from the International Agency for Research on Cancer (IARC) which allowed his participation in a workshop on cancer registration in Lyon, France and subsequent attachment to the Cancer Registry in Cork, Ireland.

Continuing Medical Education

The department renewed registration for the fall and spring teleconferences of the American Society for Clinical Pathology (ASCP) with Dr. Garfield Blake as the local convener. Members of staff attending these teleconferences were awarded CME points, now mandatory for the maintenance of professional registration.

The staff also attended local and international conferences/workshops and visited overseas Universities. These conferences and visits not only served to widen their scope of practice but also established professional liaisons important for future collaborations. Dr. Blake visited Jackson Memorial Hospital, University of Miami as a visiting fellow in Cytology and Surgical pathology, Dr. Tracey Gibson attended a conference on Genetic Epidemiology sponsored by the IARC in Annecy, France, Dr. Jaggon visited the Neuropathology Unit at the University of Toronto and Dr. Wharfe attended the annual meeting of the American Society of Clinical Oncology in Chicago, USA.

LABORATORY SERVICES

The laboratory services effected an increased output over that of the previous year despite the ongoing changes to the physical plant consequent on Phase II of the major refurbishing exercise involving the Hematology and Chemical Pathology Laboratories. This refurbishing, designed to improve laboratory efficiency with the sharing of space and equipment by the Hematology and Chemical Pathology laboratories should be completed in December 2003. It will create a clinical pathology unit sufficient to support teaching and research in the laboratory disciplines while serving to deliver the needs of laboratory medicine at the UHWI. The installation of new items of equipment designed to handle the increased volume and range of requests in clinical pathology awaits the completion of the construction.

In Phase I of the project the Surgical Pathology and Cytology laboratories were refurbished and now operate at full capacity providing

services for the UHWI and the Tony Thwaites Private Wing as well as providing consultations for local and regional private and public hospital systems.

Quality Assurance/Laboratory Accreditation Programme

The department, in the latter half of 2002, entered into an agreement with the Ministry of Industry and Commerce through the National Quality Infrastructure Project to undergo a laboratory accreditation programme designed to maintain proper quality assurance and to enable the laboratories to be registered as international reference laboratories. This project, being executed by quality assurance consultants of the Swedish Government will ultimately see the laboratories satisfying the International Laboratory Standard (ILO 17025) through a step-wise programme of accreditation.

Computerization

Plans for the complete computerization of the laboratories which were estimated to have been completed during the first quarter of 2002 have yet to be realized. They have been placed in abeyance until problems encountered with the acquisition and installation of hardware and software have been rectified and a central collection area for specimen accession has been provided. It is expected that this will be coordinated to coincide with the opening of the new clinical pathology laboratory.

PAPERS PRESENTED

11th Annual Research Day Conference, Faculty of Medical Sciences, UWI, Mona, Jamaica.

- “Rheumatic Heart Disease in Jamaica – a 12 year retrospective post mortem review” **J. Jaggon, K. Coard**
- “Infective endocarditis at the University Hospital of the West Indies: A revisit” **D. Skeete, K. Coard**
- “Intravenous cyclophosphamide pulse therapy in patients with systemic lupus erythematosus and diffuse proliferative glomerulonephritis” **D. Shah, W. Williams, A. Bhagwandar, L.A. Sargeant**

2nd Annual Perinatal Conference, University Hospital of the West Indies, Kingston, Jamaica; February 2003

- “Perinatal Audit 2002: The Pathology Report” **K. Bishop**

45th Clinical Conference of the Association of Surgeons in Jamaica, Ocho Rios, Jamaica; May 2003.

- “Why is appendicitis still a cause of death?” The pathologist’s view” **T. Gibson**
- “Soft Tissue Tumours – A Pathologist’s View” **J. Jaggon**

48th Scientific Meeting, Caribbean Health Research Council, Bahamas, April/May 2003.

- “Renal histological changes in adults with haemoglobin SS disease. **D. Shah**, W. Williams
- “Squamous cell carcinoma of the ovary arising in dermoid cyst: differences in occurrence of this uncommon tumour” **D. Shah**, D. Gaskin, P. Gaskin.

18th Caribbean Cardiology Conference, Curacao, NA, July 2003

- “Aortic Dissection at the University Hospital of the West Indies (1989-2002): A Pathologic Perspective” **Coard Kathleen CM**, Skeete D H-A

American Association of Cancer Research Annual Meeting – Washington, DC, USA; July 2003

- “Steroid 5-alpha reductase type II V89L variant frequencies and androgen receptor CAG microsatellite lengths among black men with prostate cancer from Nigeria, Jamaica and Chicago, Illinois.” Freeman VL, Kittles R, **Bennett F**, Aiken W, Tulloch T, **Coard KCM**, Adebamowo CA, Mason T, Cudecki S, Flanigan RC.
- “Steroid 5-alpha reductase type II V89L and risk of advanced prostate cancer in Black men from Nigeria, Jamaica and Chicago.” Freeman VL, Kittles R, Adebamowo CA, **Bennett F**, Tulloch T, Aiken W, **Coard KCM**, Flanigan RC, Mason T, Cudecki S, Flanigan RC, Mason T, Cudecki S.

11th International Conference of Human Retrovirology: HTLV and Related Viruses, Cathedral Hill Hotel, San Francisco, California, June 9-12, 2003.

- “Evaluation of Viral Markers in Families with HTLV-1 Associated Diseases in the Caribbean” M. Hisada, L. LaGrenade, A. Manns, E. Maloney, **B. Hanchard**, H. Li, Bartholomew, R. Wilks.
- “Does HTLV-I Infection affect Childhood Mental Development?” ME Samms-Vaughan, E. Maloney, P. Palmer and **B. Hanchard**
- “HTLV-I Seropositivity is not associated with Adverse Pregnancy Outcomes among Jamaican Women” G. Baker, B. Cranston **B. Hanchard** E. Maloney.
- “Low Levels of Vitamin A are associated with High Levels of HTLV-I Proviral Load in HTLV-I Infected Jamaican Children” E. Maloney, M. Nagai, T. Sawada, M. Hisada, **B. Hanchard**, S. Jacobson.
- “Longitudinal Changes of Viral Markers in Asymptomatic Carriers in Jamaica” PC Vanveldhuisen, T Sawada, **B. Hanchard**, RJ Wilks, and M. Hisada
- “HLA-A*2 is not associated with HTLV-I Proviral Load among Patients with ATL, HAM/TSP and Asymptomatic Carriers in Jamaica.” H Li, M. Hisada, Y. Yamano, E. Maloney, K. Yao, **B. Hanchard**, O. Morgan, S. Jacobson.

Annual Symposium of the Grabham Society of Jamaica, July 2003

- “Chemotherapy for Ovarian Cancers” **G. Wharfe**
- “Gynaecological Cancer Incidence and Mortality” **B. Hanchard**
- “Screening programmes for Cervical Cancer” **N. Williams**

Annual Conference of the Medical Association of Jamaica, June 2003

- “Chronic Leukaemia” **G. Wharfe**

PUBLICATIONS

Refereed

- * Hepatitis-B associated nephritic syndrome in Jamaican children **Shah D**, Miller M, Pierre R, Plummer M. *Ann Trop Paediat (Eng)* 22:261, 2002
- * Histopathological findings in women with postmenopausal bleeding in Jamaica **Escoffery CT, Blake GO**, Sargeant LA. *WIMJ*. 51:232-5; 2002
- * Angiomatosis of the breast in a male child: a case report with immunohistochemical analysis. **Shirley SE**, Duncan ND, **Escoffery CT**, West AB. *WIMJ*. 51:254-6; 2002
- * Causes of sudden natural death in Jamaica: A medicolegal (coroner's) autopsy study from the University Hospital of the West Indies. **Escoffery C, Shirley S**. *Forensic Science International* 129:116-121; 2002
- * 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. *WIMJ*. 52:34-6; 2003
- * 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**, Schachter 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
- * Scleroderma with Cardiac Tamponade, Hyperthyroidism and Incidental Papillary Thyroid Carcinoma. Gokula RM, Gupta AK, **Shirley SE, Coard K**, Ramphal PS. *WIMJ*. 51:188-190; 2002
- * Smooth Muscle Tumours of the Vulva in Jamaica **Williams NP, Williams E**, Fletcher H. *WIMJ*. 50:4,228-231; 2002
- * Progressive Epstein-Barr Virus Infection in a six-year-old male Pierre R, Melbourne-Chambers R, **Blake G, Williams E**. *WIMJ*. 50:4, 247-250; 2002

- * Necropsy request practices in Jamaica: a study from the University Hospital of the West Indies **Gibson TN, Escoffery CT, Shirley SE** *J. Clin Pathol* 55:608-612; 2002
- * Multiple Endocrine Neoplasia Type 2B: A case report and review of the syndrome **Gibson TN, Coard KCM**, Newnham M, Boyne M. *WIMJ*. 51:252-3; 2002
- * Trends in prostate pathology at the University Hospital of the West Indies, Jamaica, over the last 10 years. **Coard K, Bishop K**, Julius J. *WIMJ*. 51:4, 277-279; 2002
- * Heart Weight and Heart Weight/Body Weight Ratios in a Jamaican Adult Autopsy Population: A Preliminary Study. **Coard KCM**, Jackson M. *WIMJ*. 52: 41-44; 2003
- * Seroprevalence of Hepatitis C Virus in hemophiliacs in Jamaica **Gilian Wharfe**, Monica Smikle, Gwendolyn Dowe, **Loretta Buchner** *Human Antibodies* 11: 61-64; 2002
- * Disseminated donovanosis (granuloma inguinale) with osteomyelitis of both wrists. Fletcher HM, Rattray CA, **Hanchard B**, Vaughan K, West WM. *WIMJ*. 51(3):194-196; 2002
- * 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 Beverely, 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 PcC, 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

VISITORS TO THE DEPARTMENT

Professor David Murray, University of Toronto, Toronto, Ontario, Canada

Dr. Michie Hisada, NCI/NIH Bethesda, Maryland, USA

Dr. Beth Maloney, NCI/NIH Bethesda, Maryland, USA

DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE

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

WORK OF THE DEPARTMENT

The period under review was a successful year for the Department of Surgery, Radiology, Anaesthesia and Intensive Care. This was particularly notable in the areas of teaching and research. The Department continued to play a pivotal role in Curriculum Reform in the Faculty of Medical Sciences.

Technologically advanced equipment were acquired which facilitated complex neurosurgical operations and better resident teaching. Several distinguished surgeons visited and assisted consultant staff and residents with a number of advanced surgical procedures. Notable among these was Professor Gerald Jordan, Head of the Department of Urology at the eastern Vancouver Medical School, United States of America, who repaired several difficult urethral strictures.

Research activity was enhanced as evidenced by increased output. Dr. Paul Ramphal developed a cardiac simulator to assist with training residents in cardiac surgery, which has a patent pending for the United States of America.

The Emergency Medicine Division celebrated the 10th Anniversary of the commissioning of the Scotiabank centennial Accident and Emergency Unit (A&E). This paved the way for increased financial commitment from the Bank of Nova Scotia.

Dr Simone Dundas – a postgraduate student in surgery, won the Association of Surgeons in Jamaica and the Paediatric Association's Prizes

for best poster at the Faculty of Medical Sciences 11th Annual Research Conference, Mona – November 6 - 8, 2002.

Dr. Wayne West received a Certificate of Appreciation for invaluable service given to the School of Medical Radiation Technology, UHWI - July 2, 2003

Continuing medical education/outreach

Conferences/workshops organized:

Advanced Trauma Life Support Course, Faculty of Medical Sciences, Mona, Kingston, November 2&3, 2002.

The Jamaican Anaesthetist Association Annual Conference, October 27th 2002, Mona Visitors Lodge, Kingston.

UWI Caribbean Neuroscience Symposium, Main Lecture Theatre, January 28-31, 2003.

UWI Neurosurgery Spine Week, February 17-19, 2003. University Hospital of the West Indies

Jamaica Emergency Medicine Association, Third Annual Conference. Jamaica Pegasus, Kingston, March 2003.

Jamaica Orthopaedic Association Conference

Urological Society Conference, Jamaica Grande Hotel, Ocho Rios, February 22, 2003.

Association of Surgeons in Jamaica, 45th Annual Conference, Ocho Rios, May 10-11, 2003

Departmental Clinical Research Meeting, Faculty of Medical Sciences, Mona, UWI, May 2003.

Codman Neurosurgery Week, University Hospital of the West Indies March 17-22, 2003.

Second Bill Dennis Memorial Lecture, Faculty of Medical Sciences, Mona, June 2003.

Lectures:

“Physician Training or Medical Education: Is there a difference?” Professor Joseph Michael Branday, Inaugural Lecture, Mona, UWI, July 31, 2003.

Surgical Grand Round Lectures:

“Abdominal Pain in Childhood.” Professor Charles Bagwell, Professor of Paediatric Surgery, Medical College of Virginia.

“Perioperative and Immunutrition.” Dr Marvin Reid, Lecturer, Tropical Metabolism Research Institute, Mona, UWI.

“Surgical Management of the Diabetic Foot.” Professor Bauer Sumpio, Professor of Vascular Surgery, Yale University, USA.

“Approach to Abdominal Pain in the Elderly.” Professor Amal Mattu, University of Maryland, USA.

“Selected Aspects of Paediatric Epilepsy Surgery: Current Management.” Professor Paul Steinbok, Vancouver, Canada.

“From Mona to Vancouver and Beyond – a Photographic Account.” Professor Paul Steinbok, Vancouver, Canada.

“General Principles of Urethral Reconstruction Surgery.” Professor Gerald Jordan, Eastern Virginia Medical School, USA.

“Guidelines for the Management of Acute Cervical Cord Injuries.” Neurosurgical Service.

“Current Concepts in the Management of Erectile Dysfunction.” Dr Brian Stone, Columbia Presbyterian Hospital, USA.

“Surgery in Gastroesophageal Reflux Disease.” Dr Rajinder Ganhi, Columbia University, 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.

Benefactions/sponsorship received

J\$18,000,000.00	–	from Bank of Nova Scotia for expansion of A&E Unit, UHWI
J\$ 93,000.00	–	Clinical Research Meeting sponsorship
J\$800,000.00	–	from Mr. John Greaves to Section of Surgery for expansion of the offices.

US\$11,000.00 – from Mr. John Greaves to the Division of Orthopaedics for Ilizarov equipment.

Donations Made

J\$49,000.00 – nursing staff welfare: surgical wards, Operating theatres, SOPD, A&E

J\$132,600.00 – office staff welfare

J\$127,600.00 – Sponsorship of nurses to attend Conferences/book token prizes

J\$26,500.00 – Sponsorship of Medical Students to attend Conference in Estonia

RESEARCH IN PROGRESS

- Dr Paul Ramphal continued work on the **Computer – assisted Cardiac Surgical Simulator** and has an international patent pending.
- Data collection continues on the **Trauma Registry**. Up to June 2003, 6519 patients have been entered. There have been four publications, nine abstracts and several presentations from the database to date.
- Data Collection continues on the Collaborative study on **Breast Disease** with the Department of Pathology. 1378 patients were entered up to June 2003.
- Members of the Department are collaborating with the Department of Pathology to do a ten year review of **Gastric Cancer**.
- The Division of Orthopaedics is examining **Pre-operative Haemoglobin levels and the need for Blood transfusion in Total Hip and Knee Arthroplasties**.
- The Division of Neurosurgery is examining factors affecting the **inter-hospital transfer of Head Injured patients in Jamaica**.

- The Division of Urology continued the collaborative work on the **multinational study on Prostate Cancer**. Two abstracts from this study were published during the year.

PAPERS PRESENTED

- “Overview of Interpersonal Violence: The trauma toll” Junior Doctors Association Annual Symposium: Jamaica Pegasus, Kingston. September 01, 2002. **A. McDonald**
- “Violence against women: Rape.” Junior Doctors Association Annual Symposium– Jamaica Pegasus, Kingston. September 01, 2002. **R. Hutson.**
- “Interpersonal Violence: The Sequelae” The trauma toll” Junior Doctors Association Annual Symposium: Jamaica Pegasus, Kingston. September 01, 2002. **R. Ramcharan**
- “The Challenge of the Effects of Violence and the Surgeon” The trauma toll” Junior Doctors Association Annual Symposium: Jamaica Pegasus, Kingston – September 01, 2002. **P. Ramphal**
- “Non-Accidental Interpersonal Injuries of the Male Genitalia”: The trauma toll” Junior Doctors Association Annual Symposium: Jamaica Pegasus, Kingston. September 01, 2002. **W. Aiken**
- “Epidemiology of Erectile Dysfunction” Uprima Drug Launch, Terra Nova Hotel, Kingston: October 5th 2002. **W. Aiken**
- Advances in Neurosurgery. October 2002. Principal’s Breakfast Meeting. **I. Crandon**
- “The special needs of the elderly surgical patient” The Jamaica Anaesthetists Association Annual Conference, Kingston. **H. Harding-Goldson.**
- “The obese surgical patient facing the fat and the facts” The Jamaica Anaesthetists Association Annual Conference, Kingston. **K. Ehikametalor.**
- “Waiting to exhale: Asthma and Anaesthesia: are they compatible? **D. Soogrim**
- “PSA & the General Practitioner: A survey of knowledge, attitude & practice”. Association of Surgeons Weekend Retreat, Trelawny, Jamaica. November 2002. **W. Aiken.**

- “An Interesting Case of Mega-ureter.” Association of Surgeons Weekend Retreat, Trelawny. November 2002. **W. Aiken**
- “Detrusor Myomectomy for Refractory Reflexogenic Incontinence” Association of Surgeons Weekend Retreat, Trelawny. November 2002. **W. Aiken**
- Subarachnoid Haemorrhage. November 2002. Ena Thomas Memorial Lecture. **I. Crandon**
- “Magnetic Resonance Spectroscopy As Simply As Possible”. 29th Annual Ena Thomas Memorial Symposium. Nov 2002, Jamaica Pegasus, Kingston, Jamaica **D.P. Soares.**
- “The Status of Poison Centres in the Caribbean” IPCS/INTOX PAHO and UWI Poison Workshop – November 2002 – Port-of-Spain, Trinidad. **J. Williams-Johnson.**
- “Thoracic Trauma” – Jamaica Emergency Medicine Association Seminar, Savanna-la-Mar, Westmoreland, Jamaica. December 2002. **E. Williams**
- “Inter-hospital Transfers (A review)” Jamaica Emergency Medicine Association Seminar, Savanna-la-Mar. December 2002. **R. Hutson**
- “Diabetic Emergencies” – Jamaica Emergency Medicine Association Seminar, Savanna-la-Mar. December 2002. **S. French**
- “Abdominal Pain in the Elderly” – Jamaica Emergency Medicine Association Seminar, Savanna-la-Mar. December 2002. **J. Williams-Johnson**
- “Modern Management of Erectile Dysfunction”. Jamaica Urological Society Annual Symposium, Renaissance Jamaica Grande, Ocho Rios Jamaica, February 2003. **T. Tulloch**
- “Role of Uprima in Female Sexual Dysfunction,” Caribbean College of Family Physicians, Kingston. January 26, 2003. **W. Aiken.**
- “Sunshine Surgery” British Columbia Surgical Society 56th Annual Meeting May 8-10, 2003. **P. Fletcher**
- “Trauma Care in Jamaica” British Columbia Surgical Society 56th Annual Meeting May 8-10, 2003. **P. Fletcher, A. McDonald.**

- “The Development of Anaesthesia Training in the Caribbean.” Joint Meeting of the Departments of Anaesthetics (UWI) and the Royal college of Anaesthetists (Ireland) Conference. Tobago, March 15-17, 2003. **M. Scarlett.**
- “Pain Management at UHWI”, Surgical Grand Round Lecture. February 2003 **M. Scarlett**
- “The use of Viagra in cardiac patients at UHWI”. Caribbean Cardiac Society Conference. Curacao. July 2003. **M. Scarlett**
- “ENT Anesthesia” Joint Meeting of the Departments of Anaesthetics (UWI) and the Royal College of Anaesthetists (Ireland) Conference. Tobago, March 15-17, 2003. **A. Crawford-Sykes**
- “Aortic Emergencies” Jamaica Emergency Medicine Association Conference, Kingston, Jamaica, March 23, 2003. **P. Ramphal**
- “Blunt Cardiac Injury – The Elusive Diagnosis” Jamaica Emergency Medicine Association Conference, Kingston, Jamaica, March 23, 2003. **S. French**
- “Spontaneous Pneumothorax” Jamaica Emergency Medicine Association Conference, Kingston, Jamaica, March 23, 2003. **E. Williams**
- “Falls: A modifiable risk factor for the occurrence of hip fractures in the elderly” 48th Annual CHRC Scientific Meeting, Nassau, Bahamas. April 30 – May 3, 2003. **J. Williams-Johnson.**
- “Acute Appendicitis: the Emergency Physician’s Perspective”. Association of Surgeons Conference, Ocho Rios, Jamaica, May 2003. **R. Hutson**
- “Management of the Multiple Trauma Patient” Association of Surgeons Conference, Ocho Rios, Jamaica, May 2003. **S. French**
- “A Paradigm shift in the approach to syringomyelia associated with chiari malformation.” 48th Annual CHRC Scientific Meeting, Nassau, Bahamas. April 30 – May 3, 2003. **CAR Bruce, IW Crandon.**
- “Tracking medical students’ performance: correlations between entry rating and first year performance.” 48th Annual CHRC Scientific Meeting, Nassau, Bahamas. April 30 – May 3, 2003. **A. Wierenga, JM Branday, J. DeSouza, R. Carpenter.**

- “Unnecessary Arthroscopy – Perceived or Real”. Inaugural Scientific Meeting, Caribbean College of Surgeons, Trinidad, June 13-15, 2003. **R.E.C. Rose**

Presentations at the Annual Research Meeting, Department of Surgery, Radiology, Anaesthesia and Intensive Care, May 16th 2003

- “Syringomyelia – Does Pathophysiologic Guided Intervention yield better Results?” **CAR Bruce.**
- “Trauma in the Elderly.” **F. Pencle**
- “Urinary Incontinence following Retropubic Radical Prostatectomy.” **T. Tulloch.**
- “Evolution of Soft Tissue Cover for Lower Limb Defects at the KPH and UHWI. **G. Arscott**
- “Adrenaline Solution – A Safer, more cost Effective Agent for Arthroscopic Surgery.” **M. Scarlett.**
- “Viagra: Its other use”. **M. Scarlett**

PUBLICATIONS

Refereed

- * “Trauma Care in Jamaica: A Time for Decision” **AH. McDonald.** *WIMJ* 2002; 51(3): 167-9.
- * “Treatment of Pilon Fractures Using the Ilizarov Technique: Case Reports and Review of the Literature” **REC Rose.** *WIMJ* 2002; 51(3): 176-8.
- * “Antenatal Diagnosis of a Choledochal Cyst: Case Management and Literature Review.” **SE Dundas, LA Robinson-Bridgewater, ND Duncan.** *WIMJ* 2002; 51(3): 185-7.
- * “Scleroderma with Cardiac Tamponade, Hyperthyroidism and Incidental Papillary Thyroid Carcinoma.” RM Gokula, AK Gupta, SE Shirley, K. Coard, **PS Ramphal.** *WIMJ* 2002; 51(3): 188-90.

- * “Disseminated Donovanosis (granuloma inguinale) with Osteomyelitis of Both Wrists.” HM Fletcher, CA Rattray, B. Hanchard, **K. Vaughn, WM West.** *WIMJ* 2002; 51(3): 194-6.
- * “Preoperative Starvation and Pulmonary Aspiration: New Perspectives and guidelines”. *WIMJ* 2002; 51 (4) 241-5. **M. Scarlett, A. Crawford Sykes, M. Nelson**
- * “Angiomatosis of the Breast in a Male Child: A Case Report with Immunohistochemical Analysis.” *WIMJ* 2002; 51 (4) 254-6. SE Shirley, **ND Duncan, CT Escoffery, AB West.**
- * “Multiple Endocrine Neoplasia (MEN) Type 2B: A Case Report and Review of the Syndrome.” *WIMJ* 2002; 51 (4) 251-3. TN Gibson, KCM Coard, **M. Newnham, M. Boyne.**
- * “The Ilizarov Technique in the Treatment of Tibial Bone Defects: Case Reports and Review of the Literature.” *WIMJ* 2002; 51 (4) 263-7. **REC Rose**
- * “Chondro-epiphyseal Separation of the Distal Humerus in the Newborn: A Case Report and Review of the Literature.” *WIMJ* 2002; 51 (4) 268 -71. **REC Rose, R. Dixon, R. Bullock.**
- * “Improving Medical Undergraduate Trauma Education through the Trauma Evaluation and Management Programme at Mona”. *WIMJ* 2003; 52 (1): 45-8. J. Ali, **A. McDonald, M. Newnham**
- * “Transverse Ureterotomy in Open Ureterolithotomy” *WIMJ* 2003; 52 (1): 140-4. **LL. Douglas, K Wedderburn, CA Rattray, CM Cadogan.**
- * “Endometriosis Co-existing with Bilateral Dermoid Cysts of the Ovaries Treated by Laparoscopy”. *WIMJ* 2003; 52 (1): 179-81. J. Fredericks, V. DaCosta, S. Wynter, **I. Tennant, C McKenzie, Y McDonald**
- * “Thoracic Endometriosis Syndrome in Jamaica”. *Int. Surg;*2003, 88:114-118. **Paul Ramphal, Joseph Blidgen, Adrian Coye, Roger Irvine.**
- * “Design of an Electromechanical Pump for Training in Beating Heart Cardiac Surgery” *Proc. IEEE Southeastcon, Columbia, South Carolina, April 2003* 192-96. **P. Ramphal**

- * “Profile of Injuries in Jamaica” Injury Control; and Safety Promotion, December 2002; 9(4): 219-25. S. Arscott-Mills, G. Gordon, **A. McDonald**, Y. Holder, E. Ward.
- * “The Establishment of a Jamaican All injury Surveillance System.” Injury Control; and Safety Promotion, December 2002; 9(4): 227-34. E. Ward, S. Arscott-Mills, G. Gordon, P. Ashley, **T. McCartney**, JISS working group.
- * “Acute Haematogenous Anaerobic Osteomyelitis in Sickle Disease.” *WIMJ* 2003; 52(1): 53-5. **A. Mansingh**, M. Ware.

Abstracts

- * “The anterolateral skull base approach improves outcome over pterional for the repair of ruptured anterior communicating artery aneurysms” **CAR Bruce**, MD Cusimano. *WIMJ* 2002; 51: (Suppl. 4): 16
- * “Colorectal cancer trends by anatomic subsite, age and staging: a four-year study of 159 cases in Jamaica.” **MEC McFarlane**, **A. Rhoden**, **F. Fletcher**. *WIMJ* 2002; 51: (Suppl. 4): 24.
- * “Ambulatory treatment of haemorrhoids: single visit outpatient therapy with the infrared coagulator.” **MEC McFarlane**. *WIMJ* 2002; 51: (Suppl. 4): 24.
- * “Safe circumcision of Jamaican neonates using the Plastibell device.” **SE Dundas**, **ND Duncan**. *WIMJ* 2002; 51: (Suppl. 4): 25.
- * “Post-operative acute chest syndrome in children with sickle cell disease.” **ND Duncan**, **SE Dundas**, **AH McDonald**. *WIMJ* 2002; 51: (Suppl. 4): 25.
- * “Patient acceptance and complications of tranrectal ultrasound-guided prostate biopsies at the University Hospital of the West Indies: a cross-sectional survey..” **K. Buchanan**, **R. Mayhew**, **W. Aiken**. *WIMJ* 2002; 51: (Suppl. 4): 26.
- * “A report on the attitude of hospital doctors to renal transplantation.” **R. Mayhew**, **W. Aiken**. *WIMJ* 2002; 51: (Suppl. 4): 26.

- * “Falls: A modifiable risk factor for the occurrence of hip fractures in the elderly” **J. Williams-Johnson, AH McDonald, R. Wilks.** *WTMJ* 2003; 52 (Suppl. 3): 34.
- * “Tracking medical students’ performance: correlations between entry rating and first year performance.” A. Wierenga, **JM Branday, J. DeSouza, R. Carpenter.** *WTMJ* 2003; 52 (Suppl. 3): 34.
- * “Initial experience with beating-heart single valve replacement surgery at the University Hospital of the West Indies”. **PS Ramphal, RW Irvine, A. Wierenga, M. Scarlett, CD McGaw.** *WTMJ* 2003; 52 (Suppl. 3): 59.
- * “Epidemiology of spontaneous pneumothorax at the UHWI and National Chest Hospital, Kingston, Jamaica.” **EW Williams, RW Irvine, P. Ramphal, AH McDonald.** *WTMJ* 2003; 52 (Suppl. 3): 66.
- * “Surgical management of perforated duodenal ulcer – the changing scene.” **JM Plummer, MEC McFarlane, MS Newnham.** *WTMJ* 2003; 52 (Suppl. 3): 58.
- * “Gastroschisis in Jamaica: a test case for developing countries.” **C. Abel, B. Brown, SE Dundas C. Ramsaran, ND Duncan** *WTMJ* 2003; 52 (Suppl. 3): 58.
- * “Differences in patient characteristics in black men with prostate cancer from Jamaica and Chicago.” **WD Aiken, T. Tulloch,** V. Freeman, F. Bennett, K. Coard, B. Panton, T. Mason, J. Cudecki, R. Flanigan. ASCO Volume 22, 2003; 1764.
- * “Fatty acid composition of prostate tissue from blacks in Jamaica and Chicago.” FI Bennett, VL Freeman, K. Coard, **W. Aiken, T. Tulloch,** T. Forrester, B. Panton, R. Flanigan, M. Meydani. ASCO Volume 22, 2003; 1764.
- * “A Paradigm shift in the approach to syringomyelia associated with chiari malformation”. **CAR Bruce, IW Crandon.** *WTMJ* 2003; 52 (Suppl. 3): 58.
- * “Laparoscopic cholecystectomy in Jamaica: the development and implementation of a privately run laparoscopic surgical unit: an audit of 120 consecutive cases.” **MEC McFarlane,**

CAL Thomas, T. McCartney, P. Bhoorasingh, G. Smith, Lodenquai. *WIMJ* 2003; 52 (Suppl. 3): 59.

- * “Selective non-operative management of abdominal gunshot wounds.” **MS Newnham, AC Martin, AH McDonald.** *WIMJ* 2003; 52 (Suppl. 3): 60.
- * “Polypoid lesions of the gallbladder” **MS Newnham.** *WIMJ* 2003; 52 (Suppl. 3): 60.
- * “Knowledge, attitudes and practice of Jamaican general practitioners toward prostate specific antigen testing”. **WD Aiken, LN Bennett, DE Ferron-Boothe, NA Aitken** *WIMJ* 2003; 52 (Suppl. 3): 77.

Letters to the Editor

- * “The Concealed Cystic Duct – A significant Cause of Common Duct Injury Laparoscopic Cholecystectomy.” **MEC McFarlane, R. Ewing, K. Appiah** *WIMJ* 2002; 51 (3): 201..
- * “Trends in Prostate pathology at the University Hospital of the West Indies, Jamaica, over the last 10 years.” *WIMJ* 2002; 51 (4) 278-9. **WD. Aiken**
- * “Acute subarchnoid Haemorrhage Caused by Rupture of an Intracranial Aneurysm.” *WIMJ* 2003; 52(1): 80. G. Blake, **M. James, C. Ramjit, G. Char, R. Hunter, I. Crandon.**

Non-Refereed

- * “Colorectal Cancer Screening: An Overview and Update”. Postgraduate Doctor (Caribbean) Vol. 18; (3) 84-90.
- * “Erectile Dysfunction” Health, Home & Garden Magazine, Vol. 2: Issue 1, Nov. 2002

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

- 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
- 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.
- Module leader, Clinical Skills Section of Introduction to Medial Practice Course – Stage 1MB, S Curriculum
- Instructor Advanced Cardiac Life Support/AHA/Ministry of Health

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.

Dr Marinna Scarlett

- President, Jamaica Anaesthetists Association

CATEGORIES OF STUDENTS

Undergraduate

There were 264 medical undergraduates who rotated through the Department during the year. Four students were successful in the November/December 2002 examinations, two of whom were repeaters. Seventy-five students sat the May/June 2003 examinations: 70 of whom were successful, and included two Honours and one Distinction in Surgery.

Graduate

Eighty seven (87) residents were registered in the DM Programmes of the Department. There were 32 in DM General Surgery (26 DM Part I & 8 DM Part II), 7 in DM Orthopaedics, 8 in DM Otolaryngology, 4 in DM Urology, 4 in DM Neurosurgery, 3 in DM Cardiothoracic Surgery, 4 in DM Paediatric Surgery, 8 in DM Radiology, 25 in DM Anaesthesia and 23 in DM Emergency Medicine.

The following students were awarded DM degrees:

Dr Kevin Jones	–	DM Orthopaedics
Dr Don Gilbert	–	DM Orthopaedics
Dr Lisa Johnson	–	DM General Surgery
Dr Ghanshan Datt	–	DM General Surgery
Dr Carl Bruce	–	DM Neurosurgery
Dr Nicole Dawkins	–	DM Emergency Medicine
Dr Alvery Hanna	–	DM Emergency Medicine
Dr. Anthony Williams	–	DM Anaesthesia

DISTINGUISHED VISITORS

Professor Charles Bagwell, Medical School of Virginia, USA

Mr. David Rosin, St Mary's Hospital, London.

Professor Gerald Jordan, Eastern School of Medicine, Norfolk.
Vancouver.

Professor Bauer Sumpio, Yale University, New Haven, Connecticut, USA.

Dr Jose Alberto Prieto, Bogota, Colombia.

Dr Ernesto Cavallo, Caracas, Venezuela.

Dr Carlos Mercado, San Juan, Puerto Rico

Dr Jose Alicea , San Juan, Puerto Rico

Dr Enrique Escobar, Cagras, Puerto Rico

Dr Jeff Yach, Queen's University, Ontario, Canada

Professor Renn Holness, University of Nova Scotia, Canada

Dr Antonio Bernardo, Phoenix, Arizona, USA

Dr Luis A. Salazar, Caracas, Venezuela

Professor Felix Durity, Vancouver, Canada.

Dr Jairo Espinosa, Bogota, Colombia.

Dr Raymond Gandhi, Columbia University, New York.

Dr Gordon Hunter, Toronto, Canada.

Professor Paul Steinbok, University of British Columbia, Vancouver

Professor Dhiraj Shah, Albany Medical College, New York.

Dr Jane Fothergill, St John's Hospital, Scotland

Dr Brian Stone, Columbia Presbyterian Hospital, USA.

Professor Amal Mattu, University of Maryland, USA.

Dr Gabriel Manuel Vargas Graci, Bucaramanga, Colombia

Dr Haresh Gophani, Columbia.