

# **FACULTY OF MEDICAL SCIENCES MONA**

**Year ending July 31, 2001**



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



*Drs. Michelle Williams and Courtney Harris receiving certificates from Prof. Owen Morgan, Dean*

***Prize Winners  
2000/2001:***

*Andre Ramdon,  
Nneka Antoine,  
Karina Hew,  
Trudy Ann  
Harper and  
Joseph Cherian.*



*Some of the  
Class of 2001  
after Pledge  
Ceremonies.*

## ***DEAN'S OVERVIEW***

**T**he academic year 2000/2001 was another year of planning, reorganisation and consolidation. On November 1 and 2, 2001, the Faculty held a two-day retreat to review faculty policy, examine departmental needs, formulate plans for strengthening research and expanding the Faculty's administrative office to satisfy the needs of the Faculty. These areas of focus are consistent with the strategic objectives of the University to reshape the institution to meet the challenges and changes in the environment for tertiary level learning, teaching and research.

### **Highlights of Activities**

The activities of the Faculty of Medical Sciences took into account a comprehensive assessment of the Faculty's performance by way of an internal review in preparation for the visitation of the General Medical Council of the United Kingdom (GMC). Although the GMC has not visited, the lessons derived from the evaluations were used to effect changes, which considerably improved the teaching offerings and the function of the hospital.

Much time was spent in restructuring and redefining issues related to the implementation of the new curriculum.

Several other review activities in the FMS were conducted during the year.

A Faculty curriculum retreat/review was held in September 2000 to plan new activities and to examine strategies for the implementation of a restructured curriculum.

Detailed plans have been made for an inter-regional/international two-day symposium aimed at addressing bio-medical, clinical and health systems research. The full involvement by all departments is anticipated, and it is expected that the results will not only be major contributions to the scientific literature but also will impact on the definition of health policies in the region.

Two (2) workshops were held from February 12-16, 2001; the first entitled: "Applying Medical Education", highlighted the educational

principles behind the restructuring of the undergraduate medical curriculum at Mona, with reference to learning theories, learning outcomes, small group teaching and their influence on the personal and professional development of students.

The second entitled: “Selecting Student Assessment Methods for the New Curriculum”, focused on the selection methods used in student assessment and particularly in defining systems which would ensure uniformity of grades with recommendations instituting the grade point average system and implementing credit systems for the courses to be delivered in the new curriculum.

These workshops were organized in collaboration with the Department of Medical Education, University of Newcastle, United Kingdom and the Centre for Medical Sciences Education, University of the West Indies, St. Augustine, Trinidad and Tobago and directed by Professor John Spencer of the School of Health Care Sciences, University of Newcastle, United Kingdom.

## **Curriculum**

The FMS’s MBBS Curriculum was completely restructured. The Stage I programme will now extend to three (3) years, at the end of which time a **B. Med. Sci. degree** will be offered. The modifications to Stage 2 will ensure that the theme is modular and systems-based and enhanced by the use of interlinking disciplines. The emphasis on student centered learning will be greater and interspersed with special study modules, separate from existing core modules.

A handbook was produced to acquaint students with faculty life, the new curriculum, examination procedures and the requirements for learning in a university environment.

There was the introduction of IT in clinical departments and the upgrading of the lecture theatres. The FMS clinical departments were the last ones to be connected to the campus but this was finally achieved in August. Several new computers were distributed to the Faculty and the enhancing effect on learning, research and administration has already been noticed.

## **Examinations**

The format of the undergraduate clinical examination in Medicine and Therapeutics was changed for the November/December 2000 examinations, to assimilate the properties of an objective structured clinical examination (OSCE). This format has been adopted in the UK and the Commonwealth countries and permitted the representation of Psychiatry into the clinicals.

### **New Programmes**

Two new programmes were introduced. The **MSc in Clinical Psychology**, a joint programme with the Department of Sociology and Social Work was approved to begin with 11 students in 2001/2002 intake and the **MSc Family Medicine** by distance education.

### **Students Enrollment**

The Faculty registered 99 students for the MBBS, nineteen (19) for the Certificate in Nursing programmes, twelve (12) for the BSc(N) and five (5) for the Diploma in Community Health (Health Promotion/Health Education)

Enrollment into postgraduate programmes was as follows:

DM	190
MPH	51
MSc Nutrition	16
MD	2
PhD	26
MPhil	42

The postgraduate residency programmes continue to be over subscribed but far too few training posts exist at the UHWI and the government hospitals to accommodate all the applicants.

### **Graduates**

MBBS	76
BSc	7
Community Health	7
Certificate Nursing Administration	11
Certificate Nursing Education	8

### **Postgraduate Programmes**

DM	34
MSc	5
MPh	25
MD	1
MPhil	1
PhD	5

### **Examination Results**

The examination results were, on the whole, satisfactory. Twenty-one (21) students gained distinctions and one hundred and eight (108) honours in the Basic Medical Sciences. Five (5) students graduated with an MBBS honours degree.

**Stage I – Examinations 2000/2001\***

Examination	C. Health	Biochem.	Anat.	Physio.	Pharm.
Registered	110	110	99	102	107
Distinction	5	5	4	3	4
Honours	32	26	18	19	13
Pass	56	64	72	73	78
Fail	10	3	5	7	12
Exempt	–	19	–	–	–
Did not sit	7	9	–	–	–

**Stage II- Examinations 2000/2001\***

Examination	Path.	Med.	Surg.	Obs & Gynae.
Registered	88	84	86	85
Distinction	1	–	–	2
Honours	6	6	2	3
Pass	71	63	72	74
Fail	10	15	12	6
Exempt	–	–	–	–
Others	–	–	–	–

**Awards*****Student Prizes***

Anatomy Medal	–	Andre R. Ramdon
Physiology Medal	–	Karina E. Hew
Pre-Clinical Medal	–	Karina E. Hew
Biochemistry Medal	–	Joseph C. Cherian
Community Health Medal	–	Trudy-Ann Harper
Pharmacology Medal	–	Trudy-Ann Harper
D.A.N. & Vera Hoyte Prize in Anatomy	–	Nneka G. Antoine Jomo E. James
David Gunherg Prize in Anatomy	–	Trudy Ann Harper
Dr. Charles Thirumalai Prize in Physiology	–	Trudy Ann Harper

E.V. Ellington Memorial Prize	–	Karina E. Hew
E.V. Ellington Pre-Clinical Prize (donated by the Medical Alumni Association – Canadian Chapter)	–	Karina E. Hew
Noel Haye Prize in Anatomy	–	Karina E. Hew
Lisa Miller Prize in Pharmacology	–	Nneka G. Antoine
Walter Harper Prize in Anatomy	–	Andre R. Ramdon
Pathology/Microbiology Medal	–	Kerrie Fearon S. Robinson
Louis Grant Book Prize for M'biology	–	C. Stephenson
Professor Brooks Book Prize for Pathology	–	Kerrie Fearon

## Awards

**Professor Barrie Hanchard** was presented with the **Vice Chancellor's Award for Excellence** in the category for research and the **Hon. Syringa Marshall-Burnett** in the field of public service.

## Gifts and Donations

The Occupational Therapy Centre (Psychiatry) was rebuilt by the Rotary Club of St. Andrew, which obtained a grant of \$700,000 from Kaiser Jamaica Limited.

Donations on behalf of the medical students received were as follows:

**Needy Students Fund** – \$10,000.00 from the Medical Alumni Association – Jamaica Chapter.  
\$10,000.00 medical doctors of '80, '81, '82A and '82B classes; and  
\$100,000.00 – class of 2003 proceeds from Smoker.

Dr. Paul Dishner, a United States Physician who had done voluntary work in the Department of Medicine during the 1980s donated US\$25,000.00 to assist medical students with the acquisition of books.

Dr. Jeffery Pyne donated an air conditioner for the small lecture theatre. Significant donations were also received by the Department of Surgery.

**N.B. (The list of 11 donations are listed in that department's report)**

## Contribution to Intellectual Life

The following public activities were promoted during the year:

The Annual Diabetic Conference – March 1-4, 2001 was held at the Renaissance Jamaica Grand Resort, Ocho Rios and highlighted “The Diabetic Lower Extremities”.

The Department of Advanced Nursing Education held its Executive continuing Education Workshop on April 24-26.

The Faculty’s Annual Research Day was conducted on November 9, 2000 and at its meeting the research activities of the FMS were publicized. Professor P. Cooper from Loyola University spoke on the topic “Research in a Clinical Setting” and identified ways in which a balance could be struck between clinical practice and research. There were 19 oral presentations.

The Association of Consultant Physicians of Jamaica and the First Regional Conference of Seventh-Day Adventist Health Professionals, held a symposium in April 2000 on “Care, Including Medical Treatment of Persons with HIV/AIDS”.

The World Mental Health Day Conference was held on April 9, 2001 – its theme “We Can Do Better: Dare to Care, Stop the Exclusion”.

The Annual Caribbean Health Research Conference held on April 28, 2001 brought together researchers in the Caribbean who presented papers on a wide range of health issues in the region.

The 13<sup>th</sup> Annual Nursing Midwifery Research Conference held May 15 and 16, 2001 focused on ‘HIV/AIDS – All At Risk’.

The Faculty’s **inaugural lectures** have become a major item on the University calendar.

The lectures by Professors C. Christie, R. Wilks, S. Walker and F. Hickling were of an extremely high standard and were all memorable events. The topics chosen were:

**Prof. Christie** – “Whopping the 100-day cough. Towards a whoop-la for Tomorrow’s children”.

**Prof. Wilks** – “Health Trends in the Caribbean Impact on Public Health and Implication for Government and Academic Policy”.

**Prof. Walker** – “Food for Thought: Nutrition and Child Development”.

**Prof. Hickling** – “Psychohistography Challenge to the Episteme. The Legacy of Caribbean Scholarship in the Development of Ethno-Psychiatry”.



## **Distinguished Visitors**

The Faculty welcomed many distinguished visitors who are listed by departments in their separate reports.

## **Promotions**

The Faculty celebrated the elevation to professorship of – **Drs. C. Denbow, E. Barton and M. Branday** and the promotion to Senior Lecturer of **Drs. R. DuQuesnay, A. Pearson, I. Crandon and A. McGaw-Binns**.

## **Obituaries**

The Faculty bade farewell to Dr. Rolf Richards, Professor of Medicine, Mrs. Pauline Morrison, former Administrative Assistant in the Dean's Office, Miss Vernon McLeary, Secretary in the Section of Biochemistry, Mrs. Ivy McGhie, Lecturer, Department of Community Health & Psychiatry and Mrs. Andrea Bailey, Technologist, Department of Microbiology.

## **Research and Publications**

The research output of the Faculty continued to be satisfactory and is reflected in articles, conference reports, presentations and projects contained in the individual departmental reports. A major advance was the establishment of collaboration between departments with outside agencies and institutions as occurred with the MSc Clinical Psychology. The development of a regional addiction programme was a major undertaking. Several technical reports were provided for the Ministry of Health, the Government of Jamaica and PAHO on important health issues by the Department of Community Health and Psychiatry.

## **Cooperative Agreements**

A cooperative agreement was signed with Hirosaki University and the Dean visited the University of Panama to assist with the development of postgraduate programmes.

## **Professional and Public Activities**

Staff members of the FMS were active in public service and contributed in several spheres of activities:

- as Chairman or advisors on Government Boards
- fund-raising activities to assist with the purchase of drugs by patients with renal failure
- outreach activities in hospitals, schools and clinics
- community mental health service

### **New Staff Members**

Dr. Anthony D'Souza	–	Department of Basic Medical Sciences – Anatomy
Dr. Mark Ashley	–	Department of Basic Medical Sciences – Biochemistry
Dr. P. Rajendran	–	Department of Basic Medical Sciences – Physiology
Dr. P. Williams-Green	–	Department of Community Health & Psychiatry – Community Health
Professor F. Hickling	–	Department of Community Health & Psychiatry – Psychiatry
Dr. Althea East-Innis	–	Department of Medicine
Dr. Shaun Wynter	–	Department of Obstetrics, Gynaecology & Child Health – Obstetrics & Gynaecology
Dr. Vernon DaCosta	–	Department of Obstetrics, Gynaecology & Child Health – Obstetrics & Gynaecology
Dr. Mark Newnham	–	Department of Surgery, Radiology, Anaesthesia & Intensive Care – Surgery

### **Resignations**

Mrs. Patricia Desai	–	Community Health
Dr. Leon Guppy	–	Pharmacology

### **Conclusion**

The Faculty is committed to provide relevant programmes for its students and keep in pace with recent developments and in this way prepare them adequately for the future. It is aware of the need to provide quality education in a truly student-centred environment. All efforts will be made to maintain the highest standards in training, conduct practical and meaningful research, and provide students with the skills, which are culturally and scientifically appropriate to satisfy the national and regional health needs.

# DEPARTMENT OF ADVANCED NURSING EDUCATION

**Syringa Marshall-Burnett, CD, RM, RN, BScN, Dip PHN *Tor,*  
MA NY, Dip Mgt Stds *UWI* – Head of Department**

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**I**n this exceptional year the Department marked successes in several areas with staff and students engaged in some interesting and exciting activities. The academic year had a variety of Departmental, Faculty and Campus activities which engaged the participation of all staff members.

## **Awards and Achievements**

**Vice Chancellor's Award for Excellence in the area of Public Service.** In an elegant and joyful Presentation Ceremony, UWI Mona Assembly Hall, November 2, 2000. **Syringa Marshall Burnett** received this highly prized Award. It was an evening of great pleasure for all five (5) Awardees, the University community, relatives and friends.

The Hon. Syringa Marshall Burnett, CD completed five (5) years as President of the Senate, Upper House of Parliament, Jamaica.

**Dr. Hermi Hewitt**, lecturer returned from the University of Iowa after successfully completing her doctoral studies (in 2000) her dissertation topic was **“Contributions of Three Nursing Leaders to the Development of Registered Nursing Education in Jamaica 1946-1986”**. Dr. Hewitt is a graduate of the first class of the UWI BScN programme, 1984, and the first BScN graduate to attain this distinction.

Two earlier Certificate in Nursing Education graduates gained similar academic distinction:

Dr. Helmsley Stewart of Jamaica (UWI, 1971) gained the PhD in Nursing from George Mason University in 200. Dr. Patricia Israel of St. Vincent & the Grenadines (UWI, 1976) gained her EdD and currently works with PAHO, Washington.

**Miss Sheryll Lopez**, lecturer is engaged in part time doctoral studies having now been upgraded from MPhil to PhD status.

Miss Yvonne Cockburn Administrative Secretary successfully completed the UWI Certificate in Public Administration.

Miss Toni Ann D'Oyley (part time secretarial staff) ranked first Junior Athlete in Jamaica and Fourth Junior in the World captained the very successful Jamaican Team to the Pan American Games, Chile.

## **WORK OF THE DEPARTMENT**

### **Administrative matters:**

**Entrance Examination February 2001 for academic year 2001/2002:** Forty eight (48) candidates sat this examination : Certificate in Nursing Administration -21; Certificate in Nursing Education - 9; Nurse Practitioner Programme -18; Antigua/Barbuda -2; Bahamas - 5; Barbados - 6; Dominica - 4; Grenada -3; Jamaica - 23; Montserrat B 1; St. Kitts Nevis - 2; St Vincent & the Grenadines - 2). Forty-one (41) were successful, three (3) borderline in both Nursing and English papers and one (1) failed. The Selection committee met on April 30, 2001. For the BScN programme there were 6 applicants; five (5) were offered places 2001/2002 academic year, seven (7) deferred from the previous year and thirteen (13) in the current Certificate programmes are seeking admission. Funding and Leave from employers are the two major determinants of those who will register. The Final Examination meeting for 1999/2000 academic year was convened August 15, 2000.

### **Distance Education**

Dr. Joy Fraser of Athabasca University, Alberta Canada, visited DANE, October 2 & 3, 2000 and March 13-29, 2001. Dr Hewitt worked with Dr. Frazer during the March visit. At the April's departmental meeting the draft report of Dr. Frazer was reviewed. Following Dr Frazer's visits a meeting were held with Professor Koul to inform him of DANE's intent to introduce distance education programmes. A meeting was also held with Mrs. Lilieth Williams on June 2, 2001, regarding the formatting of Distance Education courses.

### **Departmental Meetings**

Four (4) Departmental meetings were held August, November, January and April. The August meeting focused on new students and Semester 1 activities; the November meeting focused on Research; and the January meeting reviewed Entrance, Final and Supplemental Examinations and Semester 1, and prepared for Semester 2. In addition there were meetings to review course work examinations and results.

Nursing Research Conference Committee monthly meetings were convened by *Mrs. Wint*, Assistant Lecturer. All staff and co-opted members participated. Monthly meeting were held from December to March and weekly April-May, 2001.

Other meetings:

### **Nurse Practitioner Programme**

- The Ministry of Health initiated discussions with the Dean regarding that Ministry's request to the Dean that these programmes, which have been a joint offering of the Ministry and Faculty since 1977, should now become a full University programme. The first meeting was held April 20, 2001 and regular meetings have continued.
- Discussions were held with Browns Town Community College, (BTCC) and meetings with their Nursing Education Coordinator, Mrs. Joy Webley regarding a proposed generic BScN programme - BTCC and UWI.
- The Annual Examination Committee meeting for the Nurse Practitioner Programme was convened on November 6 and November 14, 2000 and determination made on the students performance

### **Annual Departmental Retreat**

The Annual Departmental Retreat held July 2-6, 2001 at the Hilton Hotel Kingston was attended by all academic staff and the External Examiner. The Retreat was addressed by the Dean, Prof. Owen Morgan on the future direction of the Faculty.

**Dr. Elaine Patterson** RN, Associate Professor, University of Medicine and Dentistry New Jersey, School of Nursing New Jersey, USA completed three years as External Examiner. At the retreat she gave a summary of her recommendations over the three years. She made a distinct and lasting contribution to the Department, not only as External Examiner but also sharing Curriculum knowledge and donating text books and other materials.

### **Curriculum Review and Development**

The major curriculum activities of the year were finalizing the reorganization of the current Post RN BScN and the relevant regulations, finalizing courses for a generic BScN and developing courses and relevant regulations for Graduate programmes.

### **Continuing Education Workshops for Registered Nurses:**

Based on meetings with the Chief Nursing Officer and the Registrar of Nursing Council, Jamaica, continuing education workshops for registered nurses were conducted during the summer. The workshops had full attendance from RNs at all levels and were highly recommended. The most prominent recommendation was that these should be repeated in other parts of the island for those participants who were unable to attend.

The workshops were as follows:

- A eight week Clinical Teaching programme May 16 B July 6, 2001 which attracted 16 candidates (Barbados (3), Dominica (1), Jamaica (10), St. Lucia (1), St. Vincent & the Grenadines (1), All were successful and gave the programme very positive and high ratings. The programme was directed by Syringa Marshall Burnett, coordinated by **Mrs. Gloria LaTouche** with critical assistance from **Mrs. E. Bailey, Miss S. Lopez** and **Mrs. Y. Wint**. Preceptors gave substantial support in the clinical areas.
- A three day continuing education programme was offered to each of the following groups:

RN's Grades 1-3	<b>Process of Nursing Care</b>	16 Participants
RN's Grades 4-7	<b>Management of Nursing Care</b>	34 Participants
RN's Grades 7-9	<b>Strategic Management</b>	34 Participants

Participants received 17 Contact hours for renewal of Licensure and other purposes. **Dr. Hermi Hewitt** conducted the Strategic Management workshop for Senior Managers and **Mr. Peter Carr** was the guest lecturer. The other two workshops were conducted by **Syringa Marshall Burnett**, assisted by staff members and coordinator **Mrs. Gloria LaTouche**.

#### **Department of Advanced Nursing Education Nursing Midwifery Research Centre (DANE/NMRC)**

Under the general direction of the Head of Department, the work of the NMRC is coordinated by **Mrs. YB Wint**, and all staff individually and collectively participate.

At the first meeting for the academic year, the work programme and research agenda for 2000/2001 was outlined. Subsequent meetings addressed the 13<sup>th</sup> Annual Nursing Midwifery Research Conference; participation in and preparation for faculty, campus and other regional and international research conferences; facilitating the work of new researchers, assisting Schools of Nursing/Midwifery; stimulating research activity among alumni in their respective countries; providing research supervision on request and continuing collaborative work.

#### **PROJECTS**

##### **Syringa Marshall Burnett and Thelma Campbell**

- \* Evaluation of BSc Nursing programme Northern Caribbean University, Mandeville, Jamaica, November 2000, for the University Council of Jamaica. Report submitted.

**Syringa Marshall Burnett, Richard Griffith and Luret Clarkson**

- Evaluation of the Associate Degree Nursing programme, College of the Bahamas for the Nursing Council of the Bahamas, October 2000, Oral and written report submitted to College of Bahamas and to Nursing Council respectively.

**Syringa Marshall Burnett**

- Team Leader, Evaluation of Clinical Areas North East Region for Nursing Council of Jamaica. Report submitted (after each visit).
- Proposal completed for Maternal Child Health studies in collaboration with North East Region, Ministry of Health and Bowen Research Centre, Indiana University

**RESEARCH IN PROGRESS**

- **Duff Dr. Marilyn** “Follow Up of Eighty (80) Patients with uncontrolled Hypertension”
- Dawkins E, **Hewitt H**, Obiefuna P, Wint Y. “Effect of Carica papaya on common wound organisms”
- **Lopez, S.** “Psychosocial Coping Mechanisms of Patients with End Stage Renal Failure on Dialysis, and their Families” (*Doctoral study*)
- **Marshall Burnett, Syringa**, Bailey Ellen\*, Wint Y. “Trace Study of BScN Graduates”
- **Marshall-Burnett S., Hewitt H., Lopez S., Whittle S, Wint Y:** “Topical Use of Papaya for Chronic Ulcers – Patient Studies”.
- **Weaver, S.** “Health and illness in a Rural Community” (*Doctoral Study*)

**Staff Collaboration in Research/Conference Involvement**

**Dr. EM Duff, EY Bailey, YB Wint**

- Prepared and supervised research and information posters for Mona Campus and Faculty Research Days, Caribbean Health Research Council, Scientific Meeting and International Academic Research Conference, George Mason University, USA.

**Syringa Marshall Burnett, Denise Korniewicz, Peter Johnson**

- assisted by all staff, conducted a one day workshop November 30, 2000, for nurses engaged in HIV/AIDS research as a follow up to a June 2000 research initiative with U Maryland. The status of the

research projects in Jamaica was reviewed, and assistance given as indicated or requested by the investigators.

- Nurses pursuing HIV/AIDS studies arising from the UMaryland /DANE collaboration met frequently in the NMRC to receive guidance and supervision. The involvement and mentoring led to one new researcher registering for the MPhil/PhD.
- **The Annual Nursing Midwifery Research Conference and Mary Seiwright Day** with the theme, HIV/AIDS- ALL AT RISK May 15 and 16, 2001, attracted a national and regional audience of 518 registrants which was reported as the largest research conference by a department in the faculty.
- Professor Mary Boland, Francois-Xavier Professor of Nursing, School of Nursing, New Jersey School of Medicine and Dentistry, was the key note speaker. The fifteen (15) refereed studies covered broad areas of concern. In addition to research, there was a paper on the Nursing Midwifery Research Centre (DANE/NMRC) and another on “Guidelines to publish a research paper.”
- A lay person’s panel discussion and the use of drama to convey HIV/AIDS health promotion messages completed the two day conference.

## **PAPERS PRESENTED**

### **EY Bailey**

- “Topical use of Papaya in Chronic Skin Ulcer therapy in Jamaica”, and “Impact on blood pressure control of a six-month intervention project”

### **EMW Duff,**

- 4<sup>th</sup> Nursing Academic International Congress, George Mason University College of Nursing and Health Sciences, Virginia USA. October 1-4, 2000 and 9<sup>th</sup> Annual Faculty of Medical Sciences Research Conference November 9, 2000 UWI, Mona.
- “Satisfaction among patients attending a specialist medical clinic” Faculty of Medical Sciences Research Conference, November 9, 2000, UWI Mona
- “How to publish a research article” at the Annual Nursing Midwifery Research Conference.



**Dr. H. Hewitt**

- “Role of the Clinical Supervisor” at a seminar for Senior Nursing and Medical Staff, Victoria Jubilee Hospital, April 4, 2001;
- “A Proposed Clinical Ladder for Nurses” Regional Nursing Body Education Committee meeting, Anguilla, January 18-19, 2001;
- “Current Trends in Nursing: Implications for Practice” Nursing Education Department, Northern Caribbean University, Mandeville April 11, 2001;
- “Lest We Forget: A Historical Review of Olive Ennever’s Contribution to Nursing Education.” Fifth Olive Ennever Memorial Lecture, University Hospital of the West Indies, Mona, Jamaica May 11, 2001
- “The Politics of Disseminating Research Findings: Implications for Nurse Researchers” 29<sup>th</sup> Annual Conference, Jamaica Operating Theatre Nurses League, Renaissance Jamaica Grande, Ocho Rios, June 2, 2001.

**Syringa Marshall Burnett**

- “The Changing Role of Care Givers” National Curriculum Committee Conference, April 11, 2001, Government Conference Centre, Kingston Jamaica.
- “More Power to the Nurse – Political Action”, 29th Annual Conference, Jamaica Operating Theatre Nurses League, Renaissance Jamaica Grande, Ocho Rios, June 2, 2001.
- “Professional Life”. Address to Nursing graduates, Northern Caribbean University August 12, 2000, NCU Mandeville, Jamaica.

**PUBLICATIONS****Refereed****Bailey, EY.**

- \* “Nursing Education: the flagship for health care in the new millennium” *The Jamaican Nurse* 38, 1(2000): 4-7

**Duff EMW, Simpson SH, Whittle S, Bailey EY, Lopez S, Wilks R.**

- \* “Impact on blood pressure control of a six month intervention project”. *West Indian Med J* 49,4 (200): 307-311.

**Duff EMW**

- \* “How to publish a research article”. Conference proceedings of the 13<sup>th</sup> Annual Nursing Midwifery Research Conference, Department of Advanced Nursing Nursing Midwifery Research Centre, May 15-16, 2001. UWI, Mona.

**Hewitt H & Donahue M.**

- \* “Passing on more than a blank disc: A task for Nursing. Historians”. *Nursing History Review* 9: (2001): 207-215

**Marshall Burnett S.**

- \* “Editorials” *The Jamaican Nurse* 38, 1 (2000): 3; 39, 1(2001):3.

**Abstracts**

**Codner M, Duff EMW, Bailey EY**

- \* “Perceptions of Jamaican nurses regarding their work experiences with foreign nurses”. *West Indian Medical Journal*; 50: (Supp 2) (2001):61

**Duff EMW**

- \* “Impact on blood pressure control of a six month intervention programme”. In Conference proceedings of the 4<sup>th</sup> Nursing Academic International Conference, George Mason University College of Nursing & Health Sciences. October 1-4, Virginia USA

**Graham M. Duff EMW, Bailey, EY**

- \* “Exploration of risk factor among female adolescents with sexually transmitted infections”. *West Indian Medical Journal*; 50: (Supp 2): (2001):51. Award winning poster at the 46<sup>th</sup> Annual Scientific Meeting of the Caribbean Health Research Council, April 25-28, 2001, Kingston Jamaica.

**Robillard RH & Hewitt HH.**

- \* “Attitudes of nursing staff in Jamaica regarding patients with HIV/AIDS”. Conference proceedings of the 13<sup>th</sup> Annual Nursing Midwifery Research Conference, NMRC/DANE, May 15-16, 2001 UWI, Mona/

**Long-Carr P, Duff EMW, Bailey EY, Denbow C**

- \* “Satisfaction among patients attending a specialist medical clinic”. *West Indian Medical Journal*; 50 (Supp 15, (2001): 18

**Wilson A, Duff EMW, Bailey EY, Wright-Pascoe R;**

- \* “Knowledge, beliefs, practices, blood pressure and blood glucose control in women with diabetes mellitus”. *West Indian Medical Journal*; 50 (Supp 15) (2001): 36. Poster presentation at the Faculty of Medical Sciences 10<sup>th</sup> Annual Research Conference, November 9, 2000, UWI, Mona.

## **Non refereed**

### **Senator the Hon. Syringa Marshall Burnett**

- \* Bicameralism A Way Forward. Proceedings of the Meeting of the World’s Senates, Palais du Luxembourg Paris France, March 14, 2000. Le Senat 2000. P64-65
- \* Challenges at the Dawn of the Third Millennium. Proceedings of the Conference of Presiding Officers of National Parliaments – United Nations NY. USA August 30 – September 1, 2000. Inter-Parliamentary Union, Geneva Switzerland, 2001. P163

## **Student/Graduate Matters**

The academic year 2000/01 commenced with orientation in August. Individual intake interviews and counseling of students proceeded smoothly. Online Registration presented challenges but the outcomes were clearly advantageous and the system will no doubt be perfected. Academic advisement/counseling continued during the year associated with assignments and course work. Personal/health matters were attended and/or referred as necessary. Two students had babies during the academic year.

### **Dr. Marilyn Duff**

- Assisted by Mrs. Ellen Bailey supervised eight (8) studies conducted by BScN Students.

Dr. Hermi Hewitt assisted by Miss Sheryll Lopez and Mrs. Yvonne Wint supervised six (6) Group Projects by Certificate Students (including Nurse Practitioners)

**Mrs. Keron Jones Fraser** was awarded the Tastee Nursing Scholarship and **Mrs. Denese McFarlane** the Mildred Marshall Bursary.

Certificate students had specifically assigned field preceptors who coordinated their daily activities in the assigned agency. These were done in collaboration with DANE staff. The BScN students spent one week in Cornwall Regional Hospital.

The forty-one (41) candidates who were successful in the Entrance Examination were offered places for 2001/2002 academic year; the three (3) borderline candidates were each interviewed and one subsequently selected.

### **RESULTS 2000/2001:**

**BScN**                      Second Class Honours - Upper Division – 1;  
   Lower Division – 3;  
   Pass – 3\* (1 from 99/2000 class);  
   FMR – 1;  
   Fail – 1\*

**Certificate Nursing Administration:**                      Distinction – 1;  
   Honours – 3;  
   Pass – 7;  
   Fail – 1 (99/00)\*

**Certificate Nursing Education:**  
   Honour – 4; Pass - 3; Incomplete –1 (Med)

Exit interviews were individually conducted at the end of the academic year – post field work.

**Miss Merna Graham** BScN, UWI 2000 first class honours graduate was awarded the **Caribbean Public Health Association Prize for best student poster presentation** at the 46<sup>th</sup> Scientific Meeting of the Caribbean Health Research Council April 25-28, 2001 meeting, Kingston, Jamaica for her study on the “Exploration of Risk Factors among Female Adolescents with Sexually Transmitted Infections.” The study was done in part fulfillment of BScN and was supervised by Dr. Marilyn Duff and Mrs. Ellen Bailey.

### **Family and Mental Health/Psychiatric Nurse Practitioners:**

There were seven (7) students (1 male) for the 24<sup>th</sup> class of the eighteen (18) month Nurse Practitioner Programme, (2000/2002) jointly conducted by the Ministry of Health and the Faculty of Medical Sciences through the Department of Advanced Nursing Education. All but one student (1- St. Lucia) were from Jamaica; six (6) for the Family Nurse Practitioner programme and one (1) Mental Health Psychiatric Nurse Practitioner Programme.

**The 23<sup>rd</sup> graduation of Nurse Practitioners** was held in the large lecture theatre, Faculty of Medical Sciences, February 15, 2001 with 10 grandaunts (1 Mental Health/Psychiatric Nurse Practitioner and 9 Family Nurse Practitioners). Students were from Bahamas, Dominica, Jamaica, and St. Lucia.

**Physical Facilities:**

The building was finally shuttered in its entirety for the hurricane season. Discussions continued with the Estate Manager's Office and the Projects Office regarding the ground floor extension of the building. This extension will provide the much needed demonstration room, storage area, conference room and staff facilities.

The department received gifts of books and periodicals; **bought** one (1) facsimile machine, four (4) printers, three (3) lateral and six (6) upright filing cabinets, eight (8) Uninterrupted Power Supply (UPS) for computers and twelve (12) flashlights.

**PUBLIC SERVICE****EYBailey**

- Member, UHWI School of Nursing League of Graduate Nurses, Executive.
- Member, Nursing Council Accreditation Team
- Member, The Jamaican Nurse Committee, Nurses Association of Jamaica
- Member, Liguanea Kiwanis Club Indigent Feeding Programme
- Member, Volunteer Nurse, Annual Synod of the Methodist Churches in the Caribbean & the Americas.
- Member, Family Life Committee, Jamaica District of the Methodist Church in the Caribbean and the Americas

**EMW Duff**

- Member, Nursing Council Research Committee
- Member, Equestrian Federation of Jamaica
- Member, Jamaican Food and Nutrition Institute
- Member, Alumnae Association, Royal Victoria Hospital, Montreal, Canada.
- Member, Jamaica Society for the Prevention of Cruelty to Animals

**H. Hewitt**

- Member, University Hospital School of Nursing, League of Graduate Nurses
- Member, Faydene Methodist Home for the Elderly, Friends Committee

- Secretary, Family Life Committee, Methodist Church in the Caribbean and Americas, Jamaica Methodist District
- Chairman, the Jamaican Nurse Committee, Nurses Association of Jamaica
- Member, Alumni, Universities of West Indies, Tulane and Iowa.
- Member, Nursing Council of Jamaica, Biennial Relicensure Committee.
- Member, Sigma Theta Tau International Honour Society of Nursing

#### **S. Lopez**

- Member, UHWI School of Nursing, League of Graduate Nurses, Executive
- Member, Nursing Council of Jamaica, Adviser on Item Writing for Regional Examination
- Member, Nurses Association of Jamaica, the Jamaican Nurse Committee
- Board Member, Heart Foundation of Jamaica

#### **S. Marshall Burnett**

- Chair, Co Chair Committees of the Houses of Parliament
- Partnership Advisory Board, Poverty Eradication Programme, Office of the Prime Minister
- Member, Nursing Council of Jamaica, Chair, two committees, Editor, Council Communiqué
- Member, Nurses Association of Jamaica, Property Management Committee; Editor, the Jamaican Nurse;
- Member, National Executive and Executive, Peoples National Party; serves two committees
- Member, Advisory Board, American Journal of Nursing
- Member, WHO Expert Committee on Nursing
- Member, Theta Tau International Honour Society of Nursing.

#### **Steve Weaver**

- Research Committee, Nursing Council of Jamaica
- The Jamaican Nurse, Publications subcommittee, Nurses Association of Jamaica
- Vice President, Lions Club of St. Andrew – Eye Programme and Nutrition outreach.
- Acting President, Ottawa Ave. Neighbourhood Watch
- Non-professorial Representative, Academic Board.

**YB Wint**

- Secretary, Mount View Academy PTA
- Member, Nurses Association of Jamaica, the Jamaican Nurse Committee

**DISTINGUISHED VISITORS**

**PVC Professor Errol Morrison**, UWI School of Graduate Studies

**Prof. Trevor Jackson**, UWI School of Graduate Studies

**Dr. Elaine Patterson**, Associate Professor, U Medicine and Dentistry of New Jersey (UMDJ) School of Nursing, New Jersey, USA

**Dr. Mary Boland**, RN Professor of Nursing, School of Nursing, UMDJ New Jersey,

**Dr. Denise Korniewicz**, Professor of Nursing U Maryland Faculty of Nursing

**Dr. Peter Johnson**, Asst. Prof. of Nursing, U of Maryland, Faculty of Nursing

**Dr. Ken. Richards**, Consultant, Emergency Services, Ministry of Health

**Mrs. Cynthia Chasokela**, Chief Nursing Officer, Zimbabwe, Kellogg Leadership Fellow

***Obituary***

**Mrs. Merlene Trought**, MPH, FNP, RN, Tutor, Nurse Practitioner Programme

**Mr. Heron Carnegie**, MPH, NP, RN, 1st graduate, MH/Psych. Programme 1998.

**Prof. Rolf Richards**, UWI Mona & St. Augustine – Mt. Hope.

# DEPARTMENT BASIC MEDICAL SCIENCES

**Professor Harvey L. Reid, BSc (Hon), PhD Lond, FICA**  
– Head & Deputy Dean

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## WORK OF THE DEPARTMENT

**T**he 2000/2001 academic year experienced a great deal of staff turnover in the four Sections of the Department.

The Department records its profound sadness at the passing of Mr. R. Cousins, Senior Instrument Technologist, and Miss. Veron McCleary, Senior Secretary. Both had given long and dedicated service to the Biochemistry Section, in particular and to the Department of Basic Medical Sciences, in general. The Department also mourned the passing of Master Jamarr Lowe, aged four, the son of Miss. Debbie-Ann Daley, Secretary III in the Physiology Section.

Congratulations are in order to Miss. Juliet Smith, Graduate Student and Animal House Technician and Mr. Hopeton Marshall, Technician, of the Pharmacology Section, on their marriage.

**Professor T. L. The** retired from the Anatomy Section, which he served with distinction for a total of 26 years. He has made an immeasurable contribution to the University in terms of his teaching and research in the field of Anatomy. Mr. Vansome Ricketts, Chief Animal House Attendant, and Mr. Alexander Thomas, Animal House Attendant, retired after over forty years of combined service to the Department.

Dr. Leon Guppy, Lecturer, and Mrs. Eugene West, Nursing Technician, both of the Pharmacology Section, resigned from their posts. Dr. Lawrence A. D. Williams, Lecturer of the Anatomy Section also resigned his post.

The Department extends congratulations to Drs. Andrew Pearson (Biochemistry) and Laurrian, E. Young, (Physiology) on their promotion to the rank of Senior Lecturer.

An active drive was launched in an effort to fill some of the vacant academic and technical posts. Four new academic staff were appointed. These included three Lecturers, namely, Drs. Mark Ashby (Biochemistry), Palamisamy Rajendran (Physiology) and Anthony D'Souza (Anatomy) and one Professor, Dr. Fritz H. Guldner, Professor of Anatomy. Professor Guldner will take up his appointment in May 2002. Five technical posts



were filled during this academic year. The appointment of new staff is timely to coincide with the implementation of the newly Restructured Medical Curriculum in the 2001/2002 academic year.

The Department was particularly pleased to have applied for and granted the established post of a Senior Administrative Assistant. Mrs. Tazhmoye Crawford-Brown has been appointed to this post and will assume duties in January 2002.

Three Research Fellows were appointed this year. **Dr. Felix Omoruyi** was appointed in March 2000 and is working with Dr. Helen Asemota on “anti-nutritional factors in tuber crops”. **Dr. Andrew Wheatley** is also working with Dr. Asemota on “Bioengineering in Caribbean Yams: Production of high yielding yam planting materials for farmers’ use”. **Dr. Peter Obiefuna** worked with **Dr. Michelle Hamilton** on the commercialization of xanthan gum using a novel fermentation process from molasses. In addition, the University Research Fellowship Committee approved a request from **Dr. Dalip Ragoobirsingh** for a Research Fellowship, to carry out work on “studies on molecular signal transduction mechanisms in diabetes mellitus”.

## **Staff Development**

Several members of staff took advantage of various staff development programmes. Miss. Icolyn Hayes, Scientific Officer, attended a workshop on Advanced Experiments in Molecular Biology at Michigan State University, USA.

Drs. Marcia Roye and Mark Ashby attended the Teaching Skills Workshop hosted by the Instructional Development Unit for Academic and Senior Administrative Staff in March 2001.

Professor H. Reid attended the Joint Committee for Tertiary Education 10<sup>th</sup> Annual Conference: *Assuring quality in Tertiary Education*, April 26, 2001 at the Hilton Hotel, Kingston.

## **AWARDS**

**Dr. Marcia Roye** was the recipient of the Scientific Research Council/Shell Young Scientist/Technologist Award for 2000.

**Emeritus Professor Manley West** received the following awards in recognition of his contribution to the development of Pharmacology:

- The Blue Mountain Award from Portland Home Coming Committee
- The Eureka Cup Award from the Association of Caribbean Pharmacists

- The Blue Cross Award for the Innovator of the year
- The CARIMED Award for Research in Pharmacology

## RESEARCH GRANTS

The Department received grants totaling more than US\$ 101,352.00.

## RESEARCH IN PROGRESS

### M. Ashby

- Signal transduction pathways in cyanobacteria.

### H. Asemota

- Development of biotechnological/biochemical/molecular strategies for production and storage improvement, and optimal utilization of tropical tuber crops – yams (*Dioscorea spp.*), dasheens (*Colocasia sp.*) and cocoyams (*Xanthosoma sp.*).

### M. T. Gardner and T. L. The

- The induction of prostate cancer in castrated rats (assessing factors such as dietary lipids and the effect of heavy metals found in local terra rosa soils).

### M. T. Gardner, T. L. The and C. K. Fletcher

- Biological effects of aqueous and lipid extracts from the ackee (*Blighia sapida*).

### Sujathamma, Y., T. L. The, M. T. Gardner and C. K. Fletcher

- Embryological and teratological effects of cadmium and zinc on pregnant rats.

### J. Menzie and T. L. The

- Investigation of chemically induced breast cancer in rats.

### K. Golden

- the post harvest physiology of tropical fruits with special interest in the ripening process. The role of ACC (1-amino-cyclopropane-carboxylic acid) deaminase in fruit ripening is being investigated. The production of ethylene oxidase by the breadfruit (*Artocarpus altilis*) is also being investigated.

### M. Gossell-Williams

- Pharmacological studies of a muscarinic alkaloid isolated from *Albutilon trisulcatum*.

**L. Lindo**

- Anti-diabetic properties of compounds from *Pilea elizabethae*.

**N. McFarlane-Anderson**

- Genetic and dietary factors in preeclampsia and cervical cancer; immunological uses of bacterial antigens.

**W. McLaughlin**

- Genetic engineering tomatoes for resistance to geminiviruses. Genetic recombination of geminiviruses. Genetic diversity of landrace of kidney beans (*Phaseolus vulgaris L.*) and *capsicum chinense Jacq.* Development of molecular markers for *capsicum chinense Jacq.* Plant-Microbe interactions between rhizosphere in peppers and tomatoes

**J. Mills**

- Investigation of maturity onset diabetes of the young (MODY) in the Jamaican population.

**E. Morrison**

- Medicinal plant extracts used in treating *diabetes mellitus*.

**O. Parshad**

- Sedative effects of crude extract of Neem Plant.
- Thyroid gland, pregnancy, and post-partum depression.

**A. Pearson**

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

**D. Ragoobirsingh**

- The role of nitric oxide released from nitrovasodilators on plasma glucose levels and insulin binding activity of erythrocytes and leucocytes.
- Mechanism(s) underlying the development of diabetes mellitus at the level of insulin receptor and its microdomains. The role of post-receptor molecules are being investigated to determine how they affect the aetiology of diabetes mellitus.

**P. Rajendran**

- Cardiovascular autonomic function and skin vasomotor response in diabetic patients.

**H. L. Reid**

- Effect of exercise on haemorheological changes in normal subjects.
- Haemoglobin values per trimester in relation to perinatal outcome.
- Role of haemorheological changes in the aetiology and progression of vascular complications in diabetes mellitus.

**M. Roye**

- Molecular biology and epidemiology of whitefly-transmitted geminiviruses infecting crops and weeds. Genetic recombination in geminiviruses infecting cabbage.

**O.R. Simon**

- Investigation of the anti-inflammatory potential of compounds extracted from Noni (*Morinda citrifolia*)
- Development of an animal model of hypertension with homocystine

**O. R. Simon and P. Singh**

- Investigation of the anti-bacterial potential of compounds extracted from some Jamaican medicinal plants

**A. C. Wais**

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

**M. E. West**

- Investigation into anti-glaucoma drugs

**L. A. D. Williams**

- Agrochemical and medicinal compounds from Caribbean plants.

**L. E. Young**

- The behavioural effects of marijuana extract and delta-9-tetrahydrocannabinol in place-preference conditioning in male and female rats subjected to different environmental stressors
- The differential and neuroprotective effects of oestrogen on cognition in aging male and female rats.

**PAPERS PRESENTED****Gossell-Williams, M. and Simon, O.**

- “Therapeutic limitations of vitamins”. Carimed Sponsored Conference for the continued education of Pharmacists, Mandeville, Jamaica, May 6, 2001.

**McKoy, M. and Simon, O.**

- The effects of SIN-1 (3-morpholinopropanone) on cGMP levels and contractility of the pregnant mouse uterus. Joint Meeting of the Western, British, Canadian and the Australian Pharmacology Societies, Vancouver, British Columbia, March 24-29, 2001.

**McFarlane-Anderson, N.**

- “Obesity and hyperglycaemia in Jamaican women: Association of the Trp64Arg mutation of  $\beta$ -adrenergic receptor”. Scientific Research Council 14th Annual National conference on Science and Technology, Kingston, Jamaica, November 23-24, 2000.
- “Cervical cancer in Jamaican women: Genetic and dietary factors”. The PUGWASH WORKSHOP 259 – Biotechnology and Medical Research in Cuba: Strengthening International Co-operation – Havana, Cuba, February 15-17, 2001.
- “The Trp64Arg mutation of the  $\beta$ -adrenergic receptor and cardiovascular disease”. Federation of American Societies for Experimental biology, Orlando, Florida, March 31-April 4, 2001.

**McLaughlin, W.**

- “Biotechnology in agriculture and food production”. The 11th NIHERST Conference on Agriculture Research and Development in Trinidad and Tobago, Port of Spain, Trinidad & Tobago, November 27-29, 2000.
- “Genetic modification and biotechnology in agriculture and food production”. RADA 10<sup>th</sup> Anniversary Conference, Kingston, Jamaica, September 20, 2000.

**Ragoobirsingh, D.**

- “New trends in diabetes education”. Pharmaceutical Society of Jamaica, Swept Away Resort, Jamaica, September 9, 2000.

**Roye, M.**

- “Evolution of cabbage leaf curl virus from Jamaica”. Proceedings of the 5th Conference, Faculty of Pure and Applied Sciences, University of the West Indies, Mona, January 8-11, 2001.
- “The evolution of new virus gene: Interspecies recombination between two geminiviruses infecting cabbage in Jamaica”. Scientific Research Council 14th Annual National Conference on Science and Technology, Kingston, Jamaica, November 23-24, 2000.

- “Interspecies recombination: Molecular characterization of two distinct geminiviruses infecting cabbage in Jamaica”. Caribbean Centre for Applied Biosystems Conference, Kingston, Jamaica, November 2000

**Reid, H. L.** and DeCeulaer, K.

- “Haemorheological variations in systemic lupus erythematosus (SLE).” The first Biannual Conference on “Health Sciences in the Caribbean”, Mount Hope Medical Complex, St. Augustine Campus, Trinidad, Jan. 9-12, 2001.

**Singh, P. D. A.** Harris, K., Gray, M., McNellie, R., Petrie, N., Whyte, J. and Burton, S.

- “Lead poisoning in a rural community in Jamaica.” 9<sup>th</sup> Annual Research Conference, Faculty of Medical Sciences, UWI, Mona, November 9, 2000.

**Sujathamma, Y., The, T. L., Gardner, M. T. and Fletcher, C. K.**

- Embryological effect of zinc (Zn) and cadmium (Cd) in pregnant Mona strain rats. The 9<sup>th</sup> Annual Research Conference, Faculty of Medical Sciences, UWI, Mona, November 9, 2000.

**The, T. L., Menzie, J., Gardner, M. T. and Fletcher, C. K.**

- “The stock of rats in the Pre-Clinical Animal House, UWI, Mona, can be used as an animal model for development of breast cancer.” The 9th Annual Research Conference, Faculty of Medical Sciences, UWI, Mona, November 9, 2000.

**Wissart, J., Parshad, O., Deosaran, A. and Kulkarni, S.**

- “Status of thyroid gland in pregnancy and its relation to post-partum depression.” 9<sup>th</sup> Annual Research Conference, Faculty of Medical Sciences, UWI, Mona, November 9, 2000.

**Young, L. E. and Benjamin, L. C.**

- “Mesolimbic Dopamine, estrogen and progesterone modulate avoidance learning and stress.” 30<sup>th</sup> Annual International Meeting of the Society for Neuroscience, New Orleans, Louisiana, USA, Nov. 4-9, 2000.

**Benjamin, L. C. and Young, L. E.**

- “Differential effects of estrogen and progesterone on mesolimbic dopaminergic modulation of avoidance behaviour: Implications for learning and stress.” 9<sup>th</sup> Annual Puerto Rico Neuroscience Conference, University of Puerto Rico, Dec. 1-2, 2000.

**Chin-Quee, K. P. and Young, L. E.**

- “The pharmacological properties of *Cannabis sativa* in the behavioural demonstration of its Hedonic effects: Implications for animal models of addiction.” Pharmacological Vancouver Conference, Vancouver, Canada, Mar. 25-29, 2001.

## **PUBLICATIONS**

### **Refereed Articles**

- \* Cadrin, M., Hovington, H., Marceau, N. and **McFarlane-Anderson, N.** (2000) Early perturbations in keratin and actin gene expression and fibrillar organization in griseofulvin-fed mouse liver. *J. Pathology*, **33**: 199-207.
- \* Cruickshank, J. K., Mbanya, J.C., Forrester, T., Anderson, S. G., Mennen, L., Forhan, A., Riste, L. and **McFarlane-Anderson, N.** (2001) Hypertension in four African-origin populations: Current ‘Rule of Halves’, quality of blood pressure control and attributable risk (fraction) for cardiovascular disease. *J. Hypertension*, **19**: 41-46.
- \* Cruickshank, J. K., Mbanya, J. C., Wilks, R., Balkau, B. and **McFarlane-Anderson, N.** (2001) Sick genes, sick individuals or sick population with chronic disease? An international example from the emergence of diabetes and high blood pressure in African-origin populations. *Int. J. Epidemiol.* **30**: 111-117.
- \* McKenzie, C. A., Abecasis, G. R., Keavney, B., Forrester, T., Ratcliffe, P. J., Juller, C., Connell, J. M., Bennett, F., **McFarlane-Anderson, N.**, Lathrop, G. M. and Cardon, L. R. (2001) Transgenic fine mapping of a quantitative trait locus for circulating angiotensin converting enzyme (ACE). *Human Molecular Genetics*, **10**: 1077-1084.
- \* **Roye, M., Henry, N. M., Burrell, P. D., McLaughlin, W., Nakhla, M. K.** and Maxwell, D. P. (2000) A new tomato-infecting begomovirus in Barbados. *Plant Disease*, **84**: 1342.
- \* Thame, M., Osmond, C., Wilks, R. J., Bennett, F. I., **McFarlane-Anderson, N.** and Forrester, T. E. (2000) Blood pressure is related to placental volume and birth weight. *Hypertension*, **35**: 662-667.
- \* Tolan, I., **Ragoobirsingh, D.** and **Morrison, E. Y.** (2000) The effect of capsaicin on blood glucose, plasma insulin levels and insulin binding. *Phytotherapy Res.* **14**: 1-4.

- \* **Mohan, J., Vigilance, J. E.,** Marshall, J. M., Hambleton, I. R., **Reid, H. L.,** and Serjeant, Graham G. R. (2000). Abnormal venous function in patients with homozygous sickle cell (SS) disease and chronic leg ulcers. *Clinical Science*, **98**: 667 – 672.
- \* Mullings, A., Scott, P., Gaskin, D., Coard, K, and **Reid, H. L.** (2000). Cardiovascular collapse in early pregnancy. *West Indian Med. J.* **49** (2): 177 – 179.
- \* **Pepple, D. J., Reid, H. L.** and Mullings, A. (2000). Is there hyperviscosity in pre-eclampsia? *West Indian Medical Journal*, **49** (3): 229 – 231.
- \* **Pepple, D. J.,** Hardeman, H. R., Mullings, A. and **Reid, H. L.** (2001). Erythrocyte deformability and erythrocyte aggregation in preeclampsia. *Clinical Hemorheology and Microcirculation*, **24**: 43 – 48.
- \* **Reid, H. L., Vigilance, J. E.,** Wright-Pascoe, R. and Choo-Kang, E. (2000). The influence of persistent hyperglycaemia on hyperfibrinogenaemia and hyperviscosity in diabetes mellitus. *West Indian Medical journal*, **49** (4): 281 – 284.
- \* **Reid, H. L.** and **Vigilance, J. E.** (2000). Haemorheological and haemodynamic changes in hypertensive diabetics. *Cajanus*, **33** (2): 95 - 101.
- \* **Williams, A. D.,** Howell, R. C. **Young, R. E.** and Kahwa, I. (2001) Neuropharmacological actions of some binuclear lanthanide (III) complexes. *Comparative Biochemistry & Physiology, Part C* **128**: 119 – 125.

## Abstracts

- \* **Singh, P. A. D.** and Pitter, P. (2001) Effect of cerasee tea (*Momordica charantia*) in normal diabetic rats. *West Indian Medical Journal*, **50**(2): 61.
- \* **Singh, P. A. D.,** Harris, K., Gray, R., McNellie, R., Petrie, N., Whyte, J. and Burton, S. (2000) Lead Poisoning in a rural community in Jamaica. *West Indian Medical Journal*, **49**(4): 11.

## CHAPTERS IN BOOKS

- \* **West, M.** “The treatment of glaucoma using a non-psychoactive preparation of cannabis sativa”. In *Cannabis the Jamaican connection*. Pelican Publishers Ltd., Kingston, Jamaica, PP 155-159, (2001).



## **PUBLIC SERVICE**

### **Mr. C. K. Fletcher**

- Commissioner, St. John's Ambulance Brigade;
- President, The Japan Karate Association of Jamaica.

### **Dr. Michael Gardner**

- 2<sup>nd</sup> Vice President, Jamaica Historical Society

### **Dr. W. McLaughlin**

- Board Member, Scientific Research Council
- Chairman, Projects committee Scientific Research Council
- Committee Member, National Commission on Science and Technology's Biosafety Committee
- Committee Member, Jamaica Bureau of Standards Microbiology Sub-Committee

### **Professor E. Morrison**

- Chairman, Council for Voluntary Social Services in Jamaica
- President, Diabetes Association of Jamaica

### **Dr. O. Parshad**

- Member, Instructional Development Unit Advisory Committee
- President, Indian Cultural society in Jamaica

### **Dr. D. Ragoobirsingh**

- Consultant Diabetes Educator, Diabetes Outreach Project, UWI, Mona, and the Diabetes Association of Jamaica
- North American Region Representative, Diabetes Education Consultative Section, International Diabetes Federation, Brussels, Belgium
- Chairman, Caribbean Advanced Proficiency Examination (CAPE): Biology.

### **Professor H. Reid**

- Member, Board of Directors, Natural Products Institute
- Member, Diabetes Association of Jamaica
- Member, Lupus foundation of Jamaica

### **Dr. O. Simon**

- Member, Therapeutic Committee, Ministry of Health

- Observer, Technical Advisory Committee for the CARICOM Drug Testing Laboratory
- Member, Management Committee for the Biotechnology Project.

**Professor M. West**

- Advisor, Ministries of Health & Security & Justice in the areas of Toxicology and Pharmacology

**Professor R. E. Young**

- Chairman, Natural History Division of the Institute of Jamaica
- Member, Editorial Board of the West Indian Medical Journal
- Member, Science Board of the University Council of Jamaica

## **CATEGORIES OF STUDENTS**

### **Undergraduates**

The Department delivers courses to students from both the Faculties of Medical Sciences and Pure and Applied Sciences. Students in the BSc. Nursing and Physical Therapy Programme are also taught in the Department. The School of Physical Therapy established an affiliation with the Faculty of Medical Sciences, University of the West Indies, and will implement its Bachelor's (BSc) Programme in the 2001/2002 academic year. Discussion is under way to also establish an affiliation with G. C. Foster College and the University. The thrust will be the delivery of course in Sport Physiology/Medicine by the Department of Basic Medical Sciences.

A summary of the results for the MB BS, Stage I, Part I, II and III examinations for the 2000/2001 academic year is presented in Table 1. The Biochemistry Section (in association with Biotechnology) delivers thirteen courses to students in the Faculty of Pure and Applied Sciences. The number of students registering for each of these courses ranges from 20 to 186.

<b>Examination</b>	<b>Anatomy</b>		<b>Biochemistry</b>		<b>Pharmacology</b>		<b>Physiology</b>	
	<b>Dec. 00</b>	<b>May 01</b>	<b>Dec.00</b>	<b>May 01</b>	<b>Dec.00</b>	<b>May 01</b>	<b>Dec. 00</b>	<b>May 01</b>
Registered	106	5	103	4	108	00	99	9
Distinction	4	0	2	0	4	0	2	0
Honours	18	0	26	1	14	0	15	0
Pass	79	5	55	3	78	0	74	8
Fail	5	0	8	0	12	0	8	1
Exempt	0	0	10	0	0	0	0	0
Absent	0	0	2	0	0	0	0	0

## Postgraduate

There were forty registered Graduate students in the MPhil/PhD Degree Programme. The distribution of the students among the four Sections of the Department is as follows:

	<b>Anatomy</b>	<b>Biochemistry</b>	<b>Pharmacology</b>	<b>Physiology</b>
PhD	0	10	3	2
MPhil	1	17	6	4

The Department granted Departmental Award to 18 students and 3 received Supplemental Award. A Postgraduate Fund of J\$298,732.14 was allocated to the Department for the 2000/2001 academic year.

Four students were successfully upgraded from the MPhil to PhD Programme.

Miss. Opal Williams, Miss. Pamela Burrell and Mrs. Sherline Brown attended and presented a paper each at conferences in Canada, England and Spain, respectively. Mr. Garth Dawkins and Miss Jodi Spence undertook specialized training at Penn State University and the University of Puerto Rico, respectively.

The Department heartily congratulates the following students who were awarded higher degrees:

Miss. Jacqueline Vigilance, MPhil (Physiology) Supervisor  
– Professor H. Reid

Dr. Liris C. Benjamin, PhD (Physiology) Supervisor  
– Dr. Laurrian Young

Mr. Victor Brown, PhD (Biochemistry), Mr. Phillip Grindley, PhD (Biochemistry) and Mr. Andrew Wheatley, PhD (Biochemistry) Supervisor – Dr. H. Asemota

Mr. Donovan McGrowder, PhD (Biochemistry) Supervisor  
– Dr. D. Ragoobirsingh.

## Prizes Awarded

MB BS Stage I Examinations, Class of 2004

Anatomy Medal	–	Andre Ramdon
Biochemistry Medal	–	Joseph C. Cherian
Pharmacology Medal	–	Trudy Ann Harper
Physiology Medal	–	Karina E. Hew
Pre-clinical Medal	–	Kerian E. Hew

David Gunberg Prize in Anatomy	–	Trudy Ann Harper
Walter Harper Prize in Anatomy	–	Andre Ramdon
Noel Harper Prize in Anatomy	–	Karina Hew
D. A. N. & Vera Hoyte Prize in Anatomy	–	Nneka G. Antoine and Jomo James
Dr. C. Thirumalai Prize in Physiology	–	Trudy Ann Harper
E. V. Ellington Memorial Prize	–	Karian E. Hew
E. V. Ellington Pre-Clinical Prize (donated by the Medical Alumni Association – Canadian Chapter)	–	Karian E. Hew
Lisa Miller Prize in Pharmacology	–	Nneka G. Antoine

Certificates were awarded to four students who received Distinction and 58 students who received Honours in one or more disciplines.

## **DISTINGUISHED VISITORS**

**Dr. Pamela Anderson**, Co-ordinator, CGEAR Co-ordinator of Mexico, Caribbean and South America Sub-project for the Whitefly IPM Project, CIAT, Columbia.

**Dr. Francisco Morales**, Virologist and Head of the Virology Laboratory, CIAT, Columbia.

**Professor Douglas Maxwell**, Department of Plant Pathology, University of Wisconsin- Madison, USA.

**Dr. Favi Vidavski**, Plant Breeder, Faculty of agriculture, Hebrew University of Jerusalem, Isreal.

**Dr. Douglas Rouse**, Department of Plant Pathology, University of Wisconsin-Madison, USA.

**Dr. Sue Tolin**, Department of Plant Pathology-Phys-Weed Science, VPI and State University, Virginia, USA.

**Dr. Monique Cadrin**, Biological Sciences, University du Quebec a Trois rivières, Trois Rivières, Quebec, Canada.

**Professor Markus Stoffel**, Rockefeller University, New York, USA.

## **EXTERNAL EXAMINERS VISITING**

**Dr. Danuta Szezesna**, University of Miami school of Medicine, Miami, Florida, USA.

**Dr. Mohamed Bayorh**, Associate Professor, Department of Pharmacology/Toxicology, Morehouse School of Medicine, Atlanta, Georgia, USA.

**Dr. Elizabeth Primus**, Lecturer, Pharmacology Unit, Mount hope Medical Complex, St. Augustine Campus, Trinidad & Tobago.

**Professor Emeritus D. A. N. Hoyte**, Department of Anatomy, University of Nottingham, England, UK.

**Professor Robert Carroll**, School of Medicine, Department of Physiology, East Carolina University, USA.

**Dr. Cherryl Bennett**, Physiology Unit, Faculty of Medical Sciences, St. Augustine Campus, Trinidad & Tobago.

# DEPARTMENT OF COMMUNITY HEALTH & PSYCHIATRY

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

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## WORK OF THE DEPARTMENT

### Introduction

The year 2000-2001 was a year of growth in numbers and morale. We welcomed **Dr Frederick Hickling** who joined the Department as Professor of Psychiatry. His appointment to the Chair in Psychiatry is only the second in the history of UWI and fills a vacancy that has existed for nearly 25 years. One of the highlights of the work of the Department this year was increased collaboration within the University and with outside agencies and institutions. Several members of staff made substantial contributions to Public Service and Community Outreach.

### Organizational Structure

The Department includes three main operational areas, namely Public Health, Mental Health, and Primary Health Care/Primary Health Care/Family Medicine.

## TEACHING

### Undergraduate Medical Programme

Faculty from the Department continued to team up with colleagues from the Section of Child Health Section (Department of Obstetrics, Gynaecology & Child Health) to teach the first year course, entitled, “Community Health, Child Health and Psychology.” Students continued to come to the Department for small group teaching in the third, fourth and fifth years of the undergraduate medical programme. The clerkship for third-year students includes an introduction to Family Medicine and an introduction to the practice of Psychiatry. Separate rotations in Community Health and Psychiatry are held in the fourth year, while the fifth year clerkship focuses on Primary Health Care. The fourth- and fifth-year rotations in Community Health and Primary Health Care each includes a two-week placement in rural Jamaica. The curriculum in Psychiatry for fourth-year students has been revised to include fewer didactic sessions and more participatory learning.

### **Bachelor of Medical Sciences and new MB,BS Curriculum**

Our Faculty members continued to be involved in planning for the major curriculum change in the undergraduate medical curriculum, scheduled to take effect in August 2001. Professor Bain served as the Deputy Chair of the Curriculum Task Force. Mr Milton Pinnock was appointed co-ordinator of the course entitled, "Man, Health and the Environment", while Dr Loraine Barnaby, Dr Affette McCaw-Binns and Dr Janet LaGrenade helped to develop modules within that course.

### **Psychiatry now included in *Final Clinical Examination* for MB,BS students**

In May-June 2001, for the first time in the history of the Faculty of Medical Sciences, Psychiatry was represented in the Final MBBS **clinical** examination. A fifteen-minute section in Clinical Psychiatry was included in the newly introduced Objective Structured Clinical Examination (OSCE). The same psychiatry OSCE examination was used at Mona, Cave Hill, St. Augustine and the Bahamas, thereby ensuring a standardized examination procedure across the campuses.

## **Post-basic and Post-graduate Programmes**

### ***A. Section of Community Health***

#### **Public Health Diploma in Community Health (Health Promotion/Health Education)**

Five new students started the diploma programme, while eight interns from the previous class and two other students from the 1999 class were completing their research projects. We were especially pleased to have Dr Jude-Marie Alexis, a former diploma student, as the external examiner.

The year under review will mark the last year, for the time being, that the Diploma in Community Health (Health Promotion/Health Education) will be offered. Instead the Department has received permission from the Board for Graduate Studies to create a specialty track in Health Promotion within the Master of Public Health (MPH) degree programme. We are persuaded that this will produce higher calibre professionals to serve the public and private health sectors in the Caribbean. The new specialty track is scheduled to commence in January 2002.

#### **Master of Public Health**

In November 2000, 19 students graduated with the MPH degree. In April 2001, the selection committee recommended 45 candidates for entry

into the programme in the 2001-2002 academic year. Of these, 30 are currently reading for the degree.

For the second consecutive year, Dr. James Lea, Director of International Health at the School of Medicine, University of North Carolina at Chapel Hill served as the external examiner for the MPH programme. Dr. Lea is a member of the Pan-American Health Organization Expert Group on Strengthening Public Health Action in the Americas. He expressed pleasure at the standard of the programme and the calibre of the students.

### **Master of Philosophy/Doctor of Philosophy in Public Health**

There are eight candidates in this programme. The majority continue to progress satisfactorily toward obtaining their degrees. Academic meetings are held monthly with them. This year, Mrs. Patrece Charles-Freeman, had her application upgraded from MPhil to PhD level.

### **Primary Care/Family Medicine**

#### **Master of Science in Family Medicine**

The Board for Graduate Studies has granted permission for the resumption of the Master of Science in Family Medicine. The “new look” programme would utilize several distance learning methods as well as periodic face-to-face sessions. The first intake of students would commence the three-year programme in September 2001.

### **Pre-hospital Emergency Response Training**

Three courses were run, with a total of 62 first-time participants receiving certificates, and 58 persons, including 54 firemen, being re-certified. Two of the three courses were run for Alumina Partners of Jamaica at their work site. The third course was run in the Department for 43 students, including rural hospital staff, personnel from the airport and shipping authorities and from small private companies. This programme, which is the first of its kind in Jamaica, is helping to fill an important skill gap that has already begun to redound to the benefit of the Jamaican public.

### **Course in Community Care of the Elderly**

Fourteen students from five Caribbean countries participated in this course from January 20 to June 28, 2001. The students performed at an exceptionally high standard – the highest since the inception of these courses.



### **Other Special Training Opportunities**

Postgraduate students from the Department of Surgery and students from the University Hospital School of Nursing are placed in the department's Health Centre for several weeks at a time to get experience in ambulatory care of patients. And, for the second successive year, the Department collaborated with the University of Alabama at Birmingham (UAB) to hold a summer course in Infectious Disease Surveillance and Control for postgraduate students. This time, Texas Tech University provided one Faculty member for the course, while students came from UWI, UAB, Stanford University and a few other American schools.

### ***B. Section of Psychiatry***

#### **Doctor of Medicine (Psychiatry)**

In August 2000, three persons were successful in the Part I examination of the Doctor of Medicine (Psychiatry) [DM (Psych.)] degree, one person was successful in the DM (Psych) Part II examination, and one person passed the DM (Psych) Part III examination. Dr Carol McDaniel was awarded the Eli Lilly Prize for the best Part II candidate. Two students entered the DM (Psych) training programme in September 2000. Two new courses were started in the programme. (1) *Ethnopsychiatry – the influence of culture on psychiatry*. (2) *Applied research methodology*.

#### **Master of Science in Clinical Psychology**

The Board for Graduate Studies has approved the curriculum for a programme leading to the degree of Master of Science in Clinical Psychology. The curriculum was prepared by the Psychology Unit of the Department of Sociology and Social Work and the Section of Psychiatry. The programme will be run jointly by both Departments and will be managed and taught from the Section of Psychiatry. Eleven students have been registered to commence in the academic year 2001/2002.

#### **Doctor of Philosophy in Clinical Psychology**

A proposal has been submitted to the Board for Graduate Studies for the initiation of the degree of Doctor of Philosophy in Clinical Psychology. The proposal was developed in collaboration with the Psychology Unit of the Department of Sociology and Social Work and Clinical Psychologists in the Department of Child Health, the Faculty of Arts and Education and the University Health Service. We eagerly await the approval of this programme, which will be run by the Section of Psychiatry, with assistance from staff from the Psychology Unit of the Department of Sociology & Social Work and others.

### **Regional Addiction Studies Programme**

An agreement has been forged with the School of Continuing Studies and the Department of Sociology and Social Work to offer a Regional Addictions Studies program in Montego Bay and Mandeville, using distance teaching methods.

### **Professorial Lecture**

In March 2001, Professor Hickling delivered his inaugural lecture to an appreciative audience that packed the Main Medical Lecture Theatre, Faculty of Medical Sciences. The lecture was entitled "Psycho-historiography and the Challenge to the Episteme: the legacy of Caribbean scholarship in the development of Ethnopsychiatry."

## **RESEARCH IN PROGRESS**

### ***The Elderly***

- Economic contribution of seniors to Development. *Eldemire-Shearer, D. and Morris, C.*
- Review of the health status of the elderly in Jamaica. *Eldemire-Shearer, D. and Morris, C.*

### ***Environmental Health***

- Impact of Cockroach Infestation on the Development and Severity of Asthma in Children. *Scarlett, H., Pinnock, M. Robinson, R. et al.*
- Review of MPH studies on Food Hygiene and Safety. *Scarlett, H. and Pinnock, M.*

### ***Epidemiology***

- Dietary intake and postulated association with prostate cancer. *Paul, T.*
- Evaluation of the extent of under-registration of deaths in Jamaica: 1996 and 1998. *McCaw-Binns, A.*

### ***Mental Health***

- A randomized double blind placebo controlled trial of a combination of Gingko biloba and ginseng (gincosan) in dementia of varying etiology. *Hickling, F.W., Ward, A., Eldemire-Shearer, D.* Sponsored by Pharmaton Natural Health Products (Boehringer Ingelheim) Switzerland.
- Social class and pathways to care among psychiatric clinic referrals at the University Hospital of the West Indies. *Bernard, T., Hickling, F.W.*

- Co-morbidity in an urban Jamaican community. *Matthews, A.*
- A study of admissions to UHWI with suicidal behavior, 1975-2000. *Barnaby, L.*
- Pathways to outpatient psychiatric care: a comparative study of an urban and a rural clinic in Jamaica. *Shetty, G., Bernard, T., Hickling, F.W.*
- A psychosocial profile of absconders from a psychiatric unit of a general hospital. *Lowe, G., Hickling, F.W.*
- A Psychosocial profile African Caribbean patients with mental health problems in the Forensic Services in the UK. *McDaniels, C*
- The pattern of psychopathology of children and adolescents in a psychiatric practice in Jamaica. *Hickling, F.W.*
- Patterns of delusions and hallucinations in patients with first-contact schizophrenia in Jamaica. *Haynes, T., Hickling, F.W.*
- Open Medical Wards versus specialist psychiatric units for acute psychoses. *Hickling, F.W., Abel, W., Garner, P.*
- Attitudes of patients and staff to the implementation of an open door policy in a psychiatric unit of a general hospital *Garvey, D.M., Hickling, F.W.*
- Utilization of liaison psychiatric services in a general hospital in Jamaica. *De la Haye, W., Hickling, F.W.*
- A method for developing a strategy for community mental health intervention in an inner city Kingston community. *Gibson, R., Chung, R., Hickling, F.W.*
- Post Traumatic Stress Disorder in Security forces in Jamaica. *Oo, M.K.*
- Validation of the Zung Depression Scale in a Jamaican population. *Ward, A., Matthies, B., E. Wright, E., Crossman, L., Hickling, F.W.*
- Evaluating a Jamaican model of assertive community treatment in severe mentally ill patients in the UK. *Hickling, F.W., Rathnayake, T.*
- Evaluation of the clinical response and outcome of acute in-patients treated in a psychiatric unit with an Open Door Treatment Policy. *Lowe, G., Hickling, F.W.*
- Outcome studies of first contact schizophrenia in Jamaica. *Haynes, T., Hickling, F.W.*
- A comparative study of outcome of clients in a community residential facility and a mental hospital in Jamaica. *Abel, W. D., Hickling, F.W.*

- Outcome of Psychohistoriographic brief reconstructive psychotherapy in Jamaica. *Hickling, F.W., De La Haye, W.*
- Outcome of first contact schizophrenia in Jamaica. *Hickling, F.W., McCallum, M., Nooks, L., Rodgers-Johnson, P.*
- Comparative outcome of first-contact schizophrenia in Jamaica and the UK. *Hickling, F.W., Cochrane, R.*

#### ***Primary Care and Preventive Medicine***

- An assessment of cervical and breast cancer prevention actions among women aged 25-54 years in Western Jamaica. *Holder-Nevins, D., Campbell-Forrester, S.*
- Perception of personal health and impact of the work environment on health of staff in the Department of Community Health & Psychiatry at UWI, Mona. *Holder-Nevins, D.*
- International Research Partnership for Skilled Attendance for Everyone (SAFE): Strategies to improve proportion of deliveries with skilled attendance in developing countries. *McCaw-Binns, A.*
- Direction and development of Pre-hospital Emergency Medical Services. *Segree, W., Matthews, A.*

## **PAPERS PRESENTED**

### **Abel, W.**

- “Psychiatric Problems in Children and Adolescents.” Annual Conference of the Association of General Practitioners of Jamaica. July 29, 2001

### **Bain, B.**

- “Teaching about Human Sexuality in Schools.” National AIDS Committee of Jamaica. September 2000.
- “The University of the West Indies and AIDS.” Caribbean Conference on HIV/AIDS, Sherbourne Conference Centre, Barbados. September 2000.
- “HIV/AIDS: What doctors can do.” Blue Cross of Jamaica Annual Conference: Men’s Health. Kingston, Jamaica. October 1, 2000
- “HIV/AIDS: Consequences and Implications for Medical Education.” Royal College of Physicians of London, UK. November 2000.
- “HIV/AIDS Curriculum Development for Health Science Students.” First Research Conference of the Faculty of Medical Sciences,

University of the West Indies, Mount Hope, Trinidad & Tobago. January 2001.

- “HIV/AIDS: where we’re coming from and where we’re going.” National Meeting of the Association of Enrolled Assistant Nurses of Jamaica. January 12, 2001.
- “Undergraduate Medical Programme Curriculum Reform at Mona: Making constructive change.” J M Branday, **B. Bain**. Bahamas Chapter, UWI Medical Alumni Association, November 2000 and to Academic Staff of Hirosaki University, Japan. March 16, 2001.
- “Care of patients with HIV disease.” Academic Staff of Hirosaki University, Japan. March 19, 2001.
- “The many facets of HIV disease.” UWI all-campus workshop on the theme of accelerating the response at UWI to HIV/AIDS. March 5, 2001.
- “Syndromic approach to treating HIV/AIDS.” Meeting of the Association of Consultant Physicians of Jamaica, Mandeville, Jamaica. April 2001.
- “AIDS and other sexually transmitted infections – The Caribbean Reality in 2001.” West Indies Union Adventist Health Professionals Convention on Current Trends in Health Care. Northern Caribbean University, Jamaica. April 13, 2001.
- “HIV Risk: knowledge, attitudes and behaviour of street boys in Kingston, Jamaica.” T Robinson, **B. Bain**, T Thompson. Caribbean Health Research Council Conference, Kingston, Jamaica. April 25-28, 2001.
- “Jamaican men and Sexuality.” Annual Nurses Research Conference, Kingston, Jamaica. May 15, 2001.
- “Spongiform Encephalopathies causing disease in humans – Clinical Features and Epidemiology.” Annual Mike D’Silva Lecture at the Scientific Conference of the Medical Association of Jamaica. June 9, 2001.
- “Relevance of HIV/AIDS to children, adolescents and parents in the Caribbean in 2001.” Caribbean Conference on Parenting. Castries, St.Lucia. June 27-29, 2001.

**Barnaby, L.**

- “Suicide in Jamaica.” Annual meeting, Caribbean Psychiatric Association, Ocho Rios Jamaica. October 12, 2000.

- “Suicidal behavior and Admissions to the Psychiatric Unit, UHWI.” Faculty of Medical Sciences Research Day, UWI, Mona. October 2000.
- “Consequences of Substance Abuse.” Blue Cross of Jamaica Annual Conference: Men’s Health. Kingston, Jamaica. October 1, 2000.

**Eldemire-Shearer, D.**

- “Ageing.” Annual Symposium, Medical Association of Jamaica, Kingston, Jamaica. November 12, 2000.

**Hickling, F.W.**

- “Treatment of acute first-contact schizophrenia in open medical wards in Jamaica.” Caribbean Psychiatric Association Annual meeting, Ocho Rios Jamaica, October 12, 2000.
- “The role of the medical profession in the development of mental health services in Jamaica.” Annual Roy Cook Memorial Lecture of the Jamaica Psychiatric Association, Ocho Rios, Jamaica. October 13, 2000.
- “Psychiatric aspects of abortion.” Symposium of the Medical Association of Jamaica. November 30, 2000.
- “Emancipate ourselves from mental slavery.” Annual Ena Thomas Memorial Lecture, the Association of Consultant Physicians in Jamaica, Kingston. December 1, 2000.
- “The cyclical pattern of violent rebellion in Jamaica 1660 to 1999.” International Conference on Crime and Criminal Justice in the Caribbean, Department of Government, University of the West Indies, Feb 14, 2001
- “We can do better; dare to care, stop the exclusion.” Ministry of Health World Mental Health Day Conference, Kingston, April 9, 2001.
- “Comparative outcome of first-contact schizophrenia in Jamaica and the UK.” **F W Hickling**, R Cochrane, M Birchwood. Caribbean Health Research Council Conference, Kingston, Jamaica. April 25-28, 2001.
- “Mental Health in the Caribbean: New Paradigms.” Feature address. Caribbean Health Research Council Conference, Kingston, Jamaica. April 25-28, 2001.

- “Perfection in Performance.” Keynote address. Symposium on Ernest Ranglin, hosted by the Department of Government, University of the West Indies, May 12, 2001
- “Mental Health in the Caribbean – The New Paradigm.” Feature address. Symposium of the Trinidad and Tobago Mental Health Association, Port of Spain, June 19, 2001.

#### **Holder-Nevins, D**

- “Popular Music and Sexual Behaviour Among Female Adolescents in Jamaica.” **D Holder-Nevins**, B Bain. Annual Nurses Research Conference, Kingston, Jamaica. May 15, 2001.

#### **Jackson, M**

- “Exposure and Effects of Violence in Early Adolescence.” **M Jackson**, M Samms-Vaughan, D Ashley. Conference on Understanding Risks and Promoting Healthy Behaviour in Children and Adolescents, Ministry of Health, Jamaica. September 2000.
- “Risk behaviours among Jamaican children at early adolescence.” M Samms-Vaughan, **M Jackson**, D Ashley. Conference on Understanding Risks and Promoting Healthy Behaviour in Children and Adolescents, Ministry of Health, Jamaica. September 2000.
- “Violence in Jamaican adolescents.” E Ward, K Scott-Fisher, **M Jackson**, S Campbell-Forrester, D Ashley. Conference on Understanding Risks and Promoting Healthy Behaviour in Children and Adolescents, Ministry of Health, Jamaica. September 2000.
- “Risk Factors for Obesity in Caribbean Women and Children.” **M Jackson**. Symposium, International Obesity Task Force, Barbados. November 2000 and Symposium, Caribbean Food and Nutrition Institute for the Caribbean Health Research Council, Kingston, Jamaica. April 2001.
- “Self concept, school performance and behaviour in Jamaican children.” M E Samms-Vaughan, **M D Ashley-Jackson**, M C Lambert, C M Russ, D C Ashley. Caribbean Health Research Council Conference, Kingston, Jamaica. April 25-28, 2001.
- “Nutritional status of older adults in Jamaica.” N Zohoori, **M Jackson**, R J Wilks, S Walker, T E Forrester. Caribbean Health Research Council Conference, Kingston, Jamaica. April 25-28, 2001.

**LaGrenade, J.**

- “From Project to Policy: Mental Health and Housing in Montserrat.” Annual Meeting of the Caribbean Psychiatric Association, Ocho Rios, Jamaica. October 2000.

**Matthews, A.**

- “Factors sustaining two decades of a rural community health clerkship at the University of the West Indies, Jamaica.” **T Paul, W Segree, A Matthews.** Conference on Innovation in Health Professions Education and Community-Oriented: Implementation, sustainability and Evidence of Effectiveness. Bahrain, United Arab Emirates. October 21-26, 2000.
- “Preparation for Family Practice in undergraduate training at the University of the West Indies, Jamaica.” **T J Paul, W Segree, P Williams-Green, A Matthews, A McCaw-Binns.** Sixteenth World Congress of Family Doctors, Durban, South Africa. May 13-17, 2001.

**McCaw-Binns, A**

- “Primary health care in Jamaica: its twentieth century roots.” **A McCaw-Binns, C Moody.** Conference on the Social History of Medicine, Faculty of the Humanities, Cave Hill, UWI; May 23-26, 2001.
- “The pitfalls of maternal mortality surveillance.” **A McCaw-Binns, M Coley.** Caribbean Health Research Council Meeting: Kingston, Jamaica. April 25-28, 2001.
- “Oral health status of 12 year old children in St Lucia and its association with oral health knowledge, attitudes and practices.” **S Alexander, A McCaw-Binns.** Faculty of Medical Sciences Research Day, UWI, Mona. 19 October 2000; and Caribbean Health Research Council Meeting: Kingston, Jamaica. 25-28 April, 2001.
- “Improving the quality of obstetric care through criterion based clinical audit in Jamaica.” G M Gordon, **A McCaw-Binns, D Ashley, P Wagaarachchi, W J Graham.** Caribbean Health Research Council Meeting: Kingston, Jamaica. 25-28 April, 2001.
- “A review of hospital care in Jamaica: morbidity and mortality patterns, resource allocation and cost of care.” E Ward, K Fox, L Ricketts, **A McCaw-Binns, G Gordon, S Whorms, D Ashley, J P Figueroa.** Caribbean Health Research Council Meeting: Kingston, 25-28 April, 2001.



- **McCaw-Binns, A.,** Bain, B. “Quality in health care: improving birth outcome in the Caribbean, with particular emphasis on maternal mortality.” Quality of Care Consultation; Trinidad: 6-10 November, 2000.
- **McCaw-Binns, A.** “Improving Reproductive Health Outcomes in Jamaica – from Research to Action.” Criterion Based Clinical Audit Feedback Conference, Ocho Rios; 25 October 2000.
- **McCaw-Binns, A.,** Ashley, D. “Reducing maternal morbidity in developing countries.” Maternal Mortality Surveillance Workshop, PAHO, Washington DC; 16-17 October 2000.

**Paul, T.**

- “Final-year Medical Undergraduates as Health Promoters: Learning through action.” **T J Paul, W Segree.** Conference on Innovation in Health Professions Education and Community-Oriented: Implementation, sustainability and Evidence of Effectiveness. Bahrain, United Arab Emirates. October 21-26, 2000.
- “Church-affiliated Mental Health Counselling in Kingston, Jamaica.” E A Allen, **C McDaniel** – Postgraduate student, **T J Paul.** Caribbean Health Research Conference, Kingston, Jamaica. April 2001.
- “General Practice research output in the Caribbean.” **T J Paul.** Sixteenth World Congress of Family Doctors, Durban, South Africa. May 13-17, 2001.
- “Implementing counselling services in Family Practice: A Jamaican case study.” **T J Paul, D Falloon.** Sixteenth World Congress of Family Doctors, Durban, South Africa. May 13-17, 2001.

**Pinnock, M.**

- “Public Health Inspection – The Profession.” Workshop on Harmonization of Environmental Health Training Programmes at the Caribbean Community (CARICOM) Secretariat – Georgetown, Guyana – Nov. 2000.
- “Health and Environment.” Public Health Conference – A Vision for Health and Ecology in the New Global Economy. St Georges University, Grenada. Dec. 1-3, 2000.
- “Training in Occupational Health and Safety – The Present Situation.” Workshop hosted by The Food Hygiene Bureau, Kingston, Jamaica. April 20-21, 2001.

**Segree, W.**

- “UWI Emergency Medical Service (EMS) Training Programme.” [Poster]. Conference on Emergency Medicine. Kingston, Jamaica. 2001.

**Thesiger, C.**

- “Mental Health Services in Jamaica”. PAHO/WHO Regional Consultation Meeting for the preparation of the World Health Report 2001. Washington, D.C., U.S.A. November 2000.

**Williams-Green, P.**

- “The Development of the MSc Family Medicine Programme at UWI, Mona.” Caribbean College of Family Physicians Triennial Conference, Mount Hope, Trinidad. September 2000.

## **PUBLICATIONS**

### **Refereed Journal Articles**

- \* “Comparison of testing saliva and serum for detection of antibody to human immunodeficiency virus in Jamaica, West Indies.” S D King, S H Wynter, **B C Bain**, W A Brown, J N Johnston, A S Delk. *Journal of Clinical Virology*. 19,3 (2000):157-61.
- \* “Ageing – a new challenge to health care in the New Millenium.” **D Eldemire-Shearer**. *West Indian Medical Journal* 50, 2 (2001) 95-99
- \* “Underreporting of energy in four populations of African origin.” L I Mennen, **M Jackson**, J Cade, J-C Mbanya, L Lafay, S Sharma, S Walker, S Chungong, R Wilks, B Balkau, T Forrester, K Cruickshank. *Int. J. Obesity* 24 (2000):882-887.
- \* “Habitual diet in four populations of African origin: A descriptive paper on nutrient intakes in rural and urban Cameroon, Jamaica and Caribbean migrants in Britain.” L I Mennen, **M Jackson**, S Sharma, J-C N Mbanya, J Cade, S Walker, L Riste, R Wilks, T Forrester, B Balkau, K Cruickshank. *Public Health Nutr.* 4, 3 (2001):765-772.
- \* “Psychiatric inpatients’ satisfaction with services: a pilot study.” D Bhugra, **J LaGrenade**, P Dazzan. *International Journal of Psychiatry in Clinical Practice* 4 (2000):327-332.
- \* “Holding up the mirror: changing practice through criterion based audit in developing countries.” P Wagaarachchi, W J Graham, G C Penney, **A McCaw-Binns**, K Yeboah-Antwi, M H Hall. *Int J Gynaecol Obstet.* 74 (2001):119-130.

- \* "Factors determining admission to neonatal units in Jamaica." M E Samms--Vaughan, D C Ashley, **A McCaw-Binns**. *Pediatr Perinat Epid*. 15, 2 (2001):100-105.
- \* "Criteria for clinical audit of the quality of hospital-based obstetric care in developing countries." W Graham, P Wagaarachchi, G Penney, **A McCaw-Binns**, K Yeboah-Antwi, M Hall and the CBCA Study Group. *Bulletin WHO* 78, 5 (2000):614-620.
- \* "The University of the West Indies' Faculty of Medical Sciences and social accountability." [Letter]. **T J Paul**. *Meducator* 1, 2 (2001):5-6
- \* "Antibodies to hepatitis B virus and hepatitis C virus in residential detoxification clients in Jamaica." M F Smikle, G Dowe, E M Williams, **C Thesiger**. *Human Antibodies* 9 (2000):231-233.
- \* "Bloodborne Sexually Transmitted Infections in Patients Presenting for Substance Abuse Treatment in Jamaica." G Dowe, M F Smikle, **C Thesiger**, E M Williams. *Sexually Transmitted Diseases* 28, 5 (2001):266-269.

### **Non-Refereed**

- \* "Barriers to training Family Physicians in the Caribbean: Distance education as a promising prescription." **T J Paul, P Williams-Green**. Proceedings of the Conference on Distance Education in Small States. The UWI Distance Education Centre, Kingston, Jamaica (2000):113-117.
- \* "Factors sustaining two decades of a rural community health clerkship at the University of the West Indies, Jamaica." **T J Paul, W Segree, A Matthews**. Proceedings of the Conference on Innovation in Health Professions Education and Community-Oriented: Implementation, sustainability and Evidence of Effectiveness. Bahrain, United Arab Emirates (October 2000):48
- \* "Final-year Medical Undergraduates as Health Promoters: Learning through action." **T J Paul, W Segree**. Proceedings of the Conference on Innovation in Health Professions Education and Community-Oriented: Implementation, sustainability and Evidence of Effectiveness. Bahrain, United Arab Emirates (October 2000):69
- \* "Preparation for Family Practice in undergraduate training at the University of the West Indies, Jamaica." (Abstract). **T J Paul, W Segree, P Williams-Green, A Matthews, A McCaw-Binns**. Proceedings of the World Congress of Family Doctors, Durban, South Africa (May 2001):226

### ***Technical Reports***

- \* Report on Consultation on the use of a Clinical Audit Cycle to Monitor Maternal Morbidity and Mortality in Trinidad & Tobago. **B Bain**, G Gordon, **A McCaw-Binns**. Report submitted to the Ministry of Health, Trinidad & Tobago, October 2000.
- \* “Improving Behaviour in Jamaican children: A model for interventions based on Epidemiological Analysis.” **M Jackson**. Report submitted to Ministry of Health, Jamaica, 2001.
- \* “Relationship of Prenatal Factors to Later Development and Behaviour in a Cohort of 11-12 Years old Jamaican Children.” M Samms-Vaughan, **M Jackson**. Report submitted to Research Fellowship Committee, UWI, Mona, 2001.
- \* “Housing and mental health care in Montserrat.” **J LaGrenade**. Report submitted to Government of Montserrat, July 2000.
- \* “Health policy and plan formulation for the island of Montserrat.” **J LaGrenade**. Report submitted to the Pan-American Health Organization, June 2001.

### **COLLABORATION**

#### **Inter Departmental, University of the West Indies, Mona**

Staff from the Department worked on projects with colleagues from the Faculty of Social Sciences, the UWI Distance Education Centre, and the School of Continuing Studies. Significant collaborative activities included:

- An all-campus workshop on Crime. Main facilitators: **Professor Frederick Hickling**, Professor Bernard Headley, Dr. Wilma Bailey and Dr. Anthony Harriott.
- Development of the curriculum for a Master of Science degree in Clinical Psychology. Project team: Dr. Brigitte Matthies, Dr. Anthony Ward and **Professor Frederick Hickling**.
- Development of a Regional Addiction Studies Programme to be taught by distance learning. Programme Developers: **Dr Charles Thesiger**, Professor Lawrence Carrington and Mrs Karlene Boyce-Reid.

#### **Regional**

In the Caribbean, we worked 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 and the Pan-American Health Organization. Significant developments resulting from these collaborative efforts included:

- A one-hour meeting with the Chief Medical Officers of CARICOM Region, during their conference held to coincide with the Caribbean Health Research Council meeting in April 2001.
- The creation of an HIV/AIDS Response Programme (UWI HARP) on all three UWI campuses and the strengthening of a Pan-Caribbean partnership for HIV/AIDS prevention and care. **Professor Brendan Bain** is the Chairman of the Mona Campus HARP Committee.
- A workshop on Clinical Audit in Obstetrics for Obstetricians from Trinidad and Tobago, sponsored by PAHO, with input from the Governments of Jamaica and Trinidad and Tobago.
- Strengthening of working links between teachers of Psychiatry on the three UWI campuses and in the Bahamas.

## **International**

### *a) Association of Commonwealth Universities*

**Professor Bain** continued to serve as a consultant to the HIV/AIDS task force of the Association of Commonwealth Universities.

### *b) Canada: Dalhousie University*

**Professor Hickling** visited Dalhousie University in June 2001. Staff from Dalhousie have agreed to accept fourth year residents from the Section of Psychiatry for one- and two-year fellowships in Child Psychiatry beginning in the academic year 2001 to 2002.

### *c) Japan: Hirosaki University*

**Professor Bain** visited Hirosaki University in March 2001. Resulting from this visit, the Faculty of Medical Sciences has agreed to sign a cooperative agreement with Hirosaki University.

### *d) U.S.A.*

#### *i) 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. Further collaboration with UAB is planned.

ii) *Boston University School of Public Health (BUSPH)*

**Professor Bain** visited BUSPH in October 2000 and taught in a course on Improving Quality of Care in Hospitals in Low-income Countries.

iii) *Institute of Medicine, National Academy of Science, Washington D.C.*

**Dr McCaw-Binns** served as a member of the National Academy of Science Committee on Improving Birth Outcomes in Developing Countries from July 1999 to November 2000.

iv) *University of Missouri*

In June 2001, Professor Michael Lambert of the University of Missouri visited the Section of Psychiatry and agreed to collaborate with us in establishing research protocols in adolescent and adult mental health evaluation in Jamaica.

e) *United Kingdom*

i) *Dugald Baird Centre, University of Aberdeen*

**Dr McCaw-Binns** began to sit on the Advisory Committee for a European Union project: Strategies to improve the proportion of deliveries with skilled attendants in developing countries (S.A.F.E.) in November 2000.

ii) *North Birmingham Mental Health Trust (NBMHT)*

In July 2001, **Professor Hickling** visited the NBMHT in Birmingham UK, and held discussions with Professor S.P. Sashidharan. It was agreed that our Section of Psychiatry would pursue a postgraduate psychiatric exchange program with the NBMHT for a one-year period. A fourth year DM Psychiatry student would exchange with a Senior Registrar from the NBMHT.

iii) *Leeds University*

In July 2001, **Professor Hickling** visited the Professor Clive Adams, University of Leeds, UK. It was agreed that a fourth year DM Psychiatry student would exchange with a Senior Registrar from Leeds University beginning in the academic year 2001 to 2002.

## **PUBLIC SERVICE**

### **W Abel**

- Chairman, Board of Supervision, Ministry Local Government, Youth and Community Development, Jamaica.
- Chairman, Advisory Board on Disability, Ministry of Labour and Social Security.
- Board member, Kingston Young Men's Christian Association.
- Board Member, Community Group Homes.
- In charge of Medical Outreach Services, Jamaican Office, Food For The Poor.

### **B Bain**

- Member, Board of Directors, Family Life Ministries
- Chairman, meeting of National Care and Counselling Subcommittee of the National AIDS Committee, Jamaica – convened to prepare new strategic plan in response to the HIV/AIDS epidemic, May 2001.

### **L Barnaby**

- Executive member, Soroptimist Club of Jamaica (Kingston) and club representative at National Association of Soroptimists.

### **D Eldemire-Shearer**

- Chairman, National Council for the Elderly, Jamaica.
- Deputy Chairman, Board of Supervision, Ministry Local Government, Youth and Community Development, Jamaica.

### **M Pinnock**

- President, Caribbean Public Association.
- Member, Board of Governors, Oberlin High School.
- Member, Technical Advisory Committee of the Caribbean Environmental Health Institute, St. Lucia.
- Chairman, Advisory Committee on Health Sciences, University of Technology.
- Chairman, Beverly Hills Citizen's Association, Area 1.

### **F W Hickling**

- President, Jamaica Psychiatric Association

### **M Jackson**

- President, Bellevue Hospital Foundation of Friends

#### **A McCaw-Binns**

- Member, Epidemiology and Research Sub-committee, National Council on Drug Abuse, Jamaica
- Member, Scientific, Technical and Advisory Group of the Regional Plan of Action for the Reduction of Maternal Mortality in the Americas
- Member, Welfare Committee, Parent Teacher's Association, Jamaica College, Kingston.

#### **C Thesiger**

- Chairman, National Council on Drug Abuse, Jamaica.
- Chairman, Steering committee for the development of the National Master Plan for Drug Abuse and Control, Jamaica - 2002-2007.
- Chairman, Board of Directors of Richmond Fellowship Jamaica – a residential drug rehabilitation unit, funded by the Ministry of Health.
- Secretary, Jamaica League against Epilepsy
- Member, Drug Demand Reduction Expert Group for CARICOM and the OAS/CICAD
- Coordinator, SIDUC project, a drug abuse data gathering project, which forms part of the regional observatory on drugs use and abuse.

#### **P Williams-Green**

- Member, Jamaica Anti-tobacco Coalition
- Member, Ministry of Health Advisory Panel on Alternative Medicine

### **STAFF MOVEMENTS**

In October 2000, **Mrs Patricia Desai** resigned from the position of Senior Lecturer, but she continues to contribute to the Department as an Honorary Lecturer. In July 2001, **Dr Charles Thesiger** retired from the post of Senior Lecturer in the Section of Psychiatry, but has been retained on staff for the forthcoming academic year.

The Department welcomed psychiatrist, **Dr Wendell Abel**; nutrition specialist and research teacher, **Dr. Maria Jackson**; Health Promotion specialist, **Mrs Desmalee Holder-Nevins**; and Environmental Health specialist, **Mr Henroy Scarlett**. We were grateful to have the temporary services of three psychologists, **Dr Peter Weller**, **Dr Brigitte Matthies** and **Mrs Paulette Gayle** who all stood in for **Dr Sarada Pokuri**, Clinical Psychologist, who was pursuing further studies abroad. **Drs Namvar Zohoori and Lincoln Sergeant** from the Tropical Medicine Research



Institute joined their colleague, **Dr Marvin Reid** and together, they helped to strengthen the teaching team in Biostatistics. **Miss Marina Ramkissoon** from the Department of Sociology and Social Work also joined our team as a teaching assistant. **Mrs Dorrett Falloon**, Social Worker in the Department, helped to introduce the medical students to the discipline of counseling.

## Obituary

Late in the academic year, the department bade reluctant farewell to Mrs Ivy McGhie, one of our stalwarts, who passed away at the University Hospital. Mrs McGhie was a pioneer Health Educator and a selfless community worker in Jamaica. Many generations of students benefited from her teaching. Following her retirement from the position of Lecturer in the Department, she continued to teach in the Diploma in Community Health programme and more recently became co-ordinator of the special outreach programme to train laypersons and nurses who provide home-based and institution-based care of the elderly.

## CATEGORIES OF STUDENTS GRADUATING

### Undergraduate

Bachelor of Medicine, Bachelor of Surgery	71
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### Post Basic

Diploma in Community Health (Health Education/Health Promotion)	7
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### Postgraduate

Master of Public Health	20
Doctor of Medicine (Psychiatry)	1

### Special Awards

A *scholarship* was awarded to **Dr C McDaniels** by the British Council to allow her to pursue the MSc in Forensic Psychiatry at Birmingham University.

Ms. Sonia Alexander, Diploma Health Education/Health Promotion student received the *award for making the best oral presentation* at the Faculty Research Day, October 2000.

## **DISTINGUISHED VISITORS**

**Dr Jude-Marie-Alexis**, Health Education Consultant, U.S.A.

**Professor Jose Maria Caldas**, Director of Mental Health, Pan American Health Organization, Washington, D.C., U.S.A.

**Professor Hugh Hendry**, Professor of Psychiatry, University of Illinois, U.S.A.

**Dr James Hospedales**, Director, Caribbean Epidemiology Centre, Trinidad & Tobago

**Dr James Lea**, Director of International Health, School of Medicine, University of North Carolina at Chapel Hill, U.S.A.

**Professor Michael Lambert**, Professor of Psychology, University of Missouri, U.S.A.

**Professor Reizo Mita**, Professor of Public Health, Hirosaki University, Aomori Prefecture, Japan.

**Professor Steve Nardozi**, Westchester College, SUNY, New York, U.S.A.

**Dr Kei Satoh**, Hirosaki University, Aomori Prefecture, Japan.

**Professor Sten Vermund**, University of Alabama at Birmingham, U.S.A.

**Professor Richard Nisbett**, Texas Tech University, U.S.A.

# DEPARTMENT OF MEDICINE

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

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## WORK OF THE DEPARTMENT

**D**uring the Academic year 1<sup>st</sup> August 2000 – 31<sup>st</sup> July 2001 the Department of Medicine continued to perform very satisfactorily in all spheres of its operations.

Research output remained very good, and collaboration with different departments within the faculty continued. This collaboration can be expected to increase in the near future with the planned refurbishing of the Departmental Laboratory.

Undergraduate teaching programmes continued satisfactorily, and the functioning of the Staff/Student Liaison committee can be expected to address any concerns from staff or students promptly thus further enhancing the efficacy of these programmes. The format of the undergraduate clinical examination in Medicine and Therapeutics was changed beginning with the November/December 2000 examination and continuing with the May/June 2001 examination. The new format was the **Objective Structured Clinical Examination (OSCE)** which involved each candidate in a given group being examined on the **same patient** by **the same examiner**. This format of clinical examination is in keeping with worldwide trends. The candidates were generally well prepared for this examination and performed well. Importantly, the OSCE proved extremely effective in identifying the weak candidates.

The DM (Medicine) Postgraduate programme continued to be in demand with significant numbers of potential candidates on the waiting list for entry. Four postgraduate students successfully completed the DM Part 2 (final examinations) during the year – three in December 2000 and one in June 2001. All five candidates for the DM Part I examination during the year were successful (two in November/December 2000 and three in May/June 2001).

In addition to the above, the Department of Medicine maintained a high level of service to the Jamaican public through both inpatient and outpatient hospital services.

## **STAFF**

Dr. Michele Lee was appointed a part-time lecturer in the Department in October 2000. Dr. Lee will be working in Neurology.

## **RESEARCH IN PROGRESS**

### **Professor Charles Denbow**

- Interventional Cardiology – Percutaneous Transluminal Coronary Angioplasty and intracoronary stent placement
- Acute coronary syndromes in Jamaica

### **Professor Owen Morgan**

- HTLV-I associated Neurological disease – Clinical and Epidemiological Studies
- Dementia – Gene Frequencies in a Jamaican population

### **Professor Everard Barton**

- Epidemiological Survey of Chronic Renal Failure/End Stage Renal Failure in Jamaica
- Cardiovascular Disease in End Stage Renal Failure
- Psychosocial Problems in Patients with Chronic Renal Failure
- Immunogenetics of Thyroid Disease and Systemic Lupus Erythematosus
- Immunogenetic Studies on the Acquired Immune Deficiency Syndrome

### **Dr. Winston Williams**

- Continues to collect series of cases of Diffuse Proliferative Glomerulonephritis in SLE, who are given Pulse Intravenous Cyclophosphamide.

### **Dr. Paul Scott**

- Bronchoscopy referrals
- Normal spirometry values for Jamaican adult population
- Sleep related respiratory disorders

### **Dr. Orrin Barrow**

- Outcome in Upper GI Haemorrhage at UHWI
- Spontaneous Bacterial Peritonitis
- Pyogenic Liver Abscesses

**Dr. Rosemarie Wright-Pascoe**

- Diabetes in African Origin Females. The Genetics of Type 2 Diabetes Mellitus (The Lilly Project)
- The Anatomy of an Endocrine Clinic
- Prevalence of Chronic Renal Failure in the Diabetic Project at UHWI
- Islet Cell Antibodies in Blacks with Type 1 Diabetes Mellitus
- HTLV1 and Type 1 Diabetes Mellitus

**Dr. David Gilbert**

- Stroke at the University Hospital, Jamaica. Risk factors, Management; Role of CT imaging
- Parkinson's Disease – Etiological factors, Co morbidities, Management at the University Hospital, Jamaica
- Epilepsy – Management at the University Hospital, Jamaica

**Dr. Althea East-Innis**

- HTLV 1 study

**Dr. Charlton Collie**

- Fiberoptic Bronchoscopy at UHWI – The Family Experience.
- Determination of normal parameters of Pulmonary Function in the Jamaican population.

**PAPERS PRESENTED**

**Professor Charles Denbow**

- “The modern management of Hyperlidaemia”. Pfizer symposium Kingston, Jamaica, February 2001.

**Professor Everard Barton**

- “Acute Renal Failure.” Surgical Monthly Seminars, Faculty of Medical Sciences, UWI, Jamaica, February 2001.
- “Do Cardiovascular Abnormalities Detected by Echocardiography predict mortality in patients with Chronic Renal Failure.” Caribbean Association of Nephrologists and Urologists Scientific Meeting, University of the West Indies, Jamaica, April 2001.
- “The Jamaican Renal Failure Study.” Caribbean Association of Nephrologists and Urologists Scientific Meeting, University of the West Indies, Jamaica, April 2001.

**Dr. Winston Williams**

- “Case discussion on Thrombotic Thrombocytopenic Propura and Renal Failure in a HIV positive patient” at Clinicopathological Conference, Main Medical Lecture Theatre, FMS, UWI, February 2001.

**Dr. Michael Lee**

- “Helicobacter pylori: relation to peptic ulcer disease and treatment”. Symposium of the Mid Island Branch of Medical Association of Jamaica. Mandeville, Jamaica, June 2001.

**Dr. Rosemarie Wright-Pascoe**

- “Hyperlipidaemia in Jamaicans with Diabetes Mellitus”, Norvartis International Conference, Sardinia, Italy, May 5, 2001.
- “Radioactive Iodine Therapy in Jamaica”, 20<sup>th</sup> Joint Meeting of the British Endocrine Societies, Belfast, UK, March 26, 2001.
- “Medical Management of the Diabetic Foot”, University Diabetes Outreach Programme/ADA/CFNI – 7<sup>th</sup> International conference, Ocho Rios, Jamaica – March 3, 2001.
- “Electrocardiographic Abnormalities and Dyslipidaemia in Jamaican Diabetics”, 17<sup>th</sup> International Diabetes Federation Congress, Mexico City, Mexico, November 5, 2000.
- “Type II Diabetes – the Jamaican Experience”, Norvartis West Indies Launch of Starlix, Le Meridien, Pegasus, Kingston, Jamaica, July 8, 2001.
- “Initiating Insulin Therapy in the Outpatient Department”, Faculty of Medical Sciences 9<sup>th</sup> Annual Research Conference, UWI, Mona, Jamaica, November 9, 2000.

**Dr. David Gilbert**

- “Epilepsy – Management at the University Hospital, Jamaica”, at the launch of the Jamaica Chapter of the International League Against Epilepsy. Liguanea, Kingston, Jamaica, March 2001.
- (with E. N. Barton, L. Sargeant, C. Yeates, H. Falconer, R. Wilson, R. Smith, J. James, M. F. Smikle). “The Jamaica Renal Failure Study. Caribbean Association of Nephrologists and Urologists Scientific Meeting, University of the West Indies, Jamaica. April 2001.
- (with E. N. Barton, A. Chung, N. Iheonunekwu, D. Williams, C. Thomas). “Do Cardiovascular Abnormalities detected by Echocardiography predict mortality in patients with Chronic Renal

Failure?” Caribbean Association of Nephrologists Scientific Meeting.  
University of the West Indies, Jamaica, April 2001.

**Dr. Althea East-Innis**

- “The management of common skin disorders in HIV infection”,  
Medical Associations of Jamaica Annual Symposium – Le Meridien  
Pegasus, June 2001.

**PUBLICATIONS**

**Professor Charles Denbow**

- \* **Denbow CE**, Chung AS, Chung EE, Coy K and Gist H,  
“Intracoronary Stent implantation in Jamaica”. *West Indian Medical  
Journal* 50 1(2000): 27 – 30.

**Professor Everard Barton**

- \* Miller M, **Barton EN**, Shah D., Yeates C, Gray A. Human T-cell  
Lymphotropic Virus-1 associated renal disease in Jamaican children.  
*Paediatric Nephrology* (2001) 16:51-56.
- \* Heslop OD, King SD, Levett PN, **Barton EN**, Wynter J. Antibiotic  
susceptibility of Clostridium difficile isolates from adult patients at  
two Jamaican Hospitals. *West Indian Medical Journal* (2001) 50:50-  
54.

**Dr. Michael Lee**

- \* “Characteristics of Helicobacter pylori infection in Jamaican adults  
with gastrointestinal symptoms”. M. Hisada, **M. G. Lee**, B.  
Hanchard, M. Owens, Q. Song, L. Van Doorn, A. Cutler and B. Gold.  
*Journal of Clinical Microbiology*. 2001; 39: 212 – 216.
- \* “Helicobacter pylori infection in the Caribbean: Update in  
management.” **M. G. Lee**, K. O. Barrow and C. N. Edwards. *West  
Indian Medical Journal*. 2001; 50: 8 – 10.

**Dr. Rosemarie Wright-Pascoe**

**(Peer-Reviewed Journals)**

- \* **Wright-Pascoe, R.**, Charles, CFA, Richards, R., Fletcher P.,  
Hanchard, B. and Kelly, O. “A Clinicopathological Study of  
Cushing’s Syndrome at the University Hospital of the West Indies and  
a Review of the Literature.” *W. I. Med J* 2001; 50(1):55 – 61.

- \* **Wright-Pascoe, R.**, Roye-Green, K. and Bodonaik, N. “The Medical Management of Diabetes Mellitus with particular reference to the Lower Extremity”. *W. I. Med J* 2001; 50(Suppl 1): 46 –49.
- \* Reid, H.I., Vigilance, J., **Wright-Pascoe, R.**, Aquart A., Robinson H., Banbury, M., Whitbourne, F., Callender, J., Less, L. and Bailey, S. “The efficacy of Acarbose in Type 2 Diabetes Mellitus in Jamaica.” *W. I. Med J* 2001; 49(4): 281 – 284.
- \* **Wright-Pascoe, R.** “Antibiotics Use and Abuse: Summary of the Antibiotic Conference”. *W. I. Med J* 2000; 49(3): 238 – 240.
- \* **Wright-Pascoe, R.** and Bishop, K. “Chronic Iron Deficiency: Clinicopathological Conference.” *W. I. Med J* 2000; 49(3): 249 – 253.

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

- \* Clinicopathological Conference: “Leprosy – forgotten but not eradicated”. *West Indian Medical Journal* 2001 Volume 50, 81 – 83.

## **PUBLIC SERVICE**

#### **Professor Everard Barton**

- Fundraiser, Renal Support Foundation of Jamaica
- Working with the Mandeville and Black River Rotary Clubs to help disadvantaged persons with renal disease in those areas

#### **Dr. Winston Williams**

- Member, Caribbean Association of Nephrologists
- Member, Lupus Foundation of Jamaica

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

- Consultant Physician/Spokesman/Lecturer for Diabetes Association of Jamaica/University Diabetes Outreach Project.
- Resource person, for Diabetes Mellitus and Endocrinology in Jamaica and the Caribbean.
- Honorary Secretary, Association of Consultant Physicians of Jamaica.
- Chairperson, Mannings Hill All Age School, St. Andrew.



**Dr. Orrin Barrow**

- Secretary, Association of West Indies Gastroenterologists [AWIG]
- Member, International Relations Committee of the American College of Gastroenterology
- Chairman, Medical Committee – UHWI
- Trustee, Jamaica Medical Foundation

**Dr. Paul Scott**

- Member, Heart Foundation of Jamaica

**Dr. D. Gilbert**

- Treasurer, Jamaica Chapter, International League Against Epilepsy.

# DEPARTMENT OF MICROBIOLOGY

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

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## WORK OF THE DEPARTMENT

The Department of Microbiology, during the academic year 2000/2001, carried out its work with enthusiasm and dedication. Competitive efforts were made to upgrade teaching skills, increase proficiency in information technology and its translation to teaching. Several research projects were continued and a few new projects were undertaken with some success. The department managed to procure modest external funding for collaborative research projects. Several applications were made to the Campus Research and Publications Funds Committee but without the usual success. There was a marked increase (12.5%) in the diagnostic laboratory workload. The department processed and reported on 70,618 clinical specimens during 2000/2001 compared to 62,969 in the 1999/2000 academic year. In addition, 2,159 specimens from emergency cases were processed.

During April/May 2001, Dr Ivan Vickers, medical resident, received training in Hospital Infection Control and in Diagnostic Medical Mycology at the National Public Health Laboratories, London and Bristol, United Kingdom. The resident, academic and technical staff benefitted from two lecture series in virology and antimicrobial chemotherapy, conducted by visiting lecturers from Canada and the United Kingdom. Modifications in the staff structure occurred with Orville Heslop, a PhD student in medical microbiology, being appointed assistant lecturer in March 2001. Members of staff who resigned their posts during the year include, Denise Davis and Allister Anglin, senior medical technologists; Cheryl Blackwood, secretary and Derry-Ann Bascoine, laboratory assistant. Pelon Gayle, a medical technologist was appointed. Dr Karen Roye-Green revisited and continued her collaborative research and training project at Morehouse School of Medicine

After several months of trying, the department slowly edged its way forward with plans for the refurbishment of the physical plant. It is hoped that this elusive goal will be achieved during the 2001/2002 academic year.

## RESEARCH IN PROGRESS

### Dr G Dowe

- Non-ulcerative sexually transmitted diseases (STD) as facilitators of the transmission and acquisition of HIV/AIDS in STD clinic attendees (in collaboration with Ministry of Health, Jamaica and Department of Microbiology, University of Miami, Florida.)
- *Helicobacter pylori* infection and associated diseases in Jamaica. Diagnostic, therapeutic and epidemiological aspects (with colleagues from the Departments of Microbiology and Medicine).
- *Chlamydia trachomatis* induced reactive arthritis in Jamaica (in collaboration with the Centers for Disease Control, USA, Departments of Medicine and Biotechnology, UWI).

### Dr K Roye-Green

- Autoantibodies in Jamaican women with recurrent abortions (collaborative study with Department of Microbiology and the Section of Obstetrics and Gynaecology)
- The intracellular mechanisms of signal transduction which enhance expression of adhesion molecules on endothelial cells (study at Morehouse School of Medicine, USA)
- In vivo and invitro studies of the inhibition of antiphospholipid syndrome by synthetic peptides (study at Morehouse School of Medicine, USA)

### Dr M F Smikle

- Studies on enterococci (joint project with collaborators from the Departments of Microbiology and Medicine)
- The genes of the major histocompatibility complex and selected diseases in Jamaicans.
- Molecular epidemiological studies on the human immunodeficiency virus (joint project with collaborators from the Departments of Microbiology, Medicine and Community Health and Psychiatry).

## PAPERS PRESENTED

- “Bloodborne sexually transmitted infections among substance abuse patients in Jamaica” **G Dowe, MF Smikle, C Khan, C Thesiger, E Williams.** 9<sup>th</sup> Annual Research Conference, Faculty of Medical Sciences, U.W.I., November 2001.

- “HLA phenotypes and Graves’ diseases in Jamaica.” **M Smikle**, R Wright-Pascoe, E Barton, **K Roye-Green**. Fourteenth Annual National Conference on Science and Technology November 23 -24, 2001, Jamaica.
- “Performance evaluation of the newly released PanBio Dengue virus duo IgM and IgG rapid immunochromatographic test in Jamaica”. **SD King**. 17<sup>th</sup> Annual Meeting of Pan American Society for Clinical Virology Conference, May 2001.
- “The Human T lymphotropic virus (HTLV-1) and autoimmunity in Jamaica”. **MF Smikle**, EN Barton, O Morgan, D Gilbert, R Wright-Pascoe. Northern Caribbean University Science Symposium, June 2001.

## PUBLICATIONS

### Refereed:

- \* “Investigations of the epidemiology of infection with Hepatitis A virus in Jamaica”. **M Brown, J Lindo and SD King**. *Ann Trop Med Par* 2000;94:497-502.
- \* “Risky behaviour in Jamaican adolescent patients attending a sexually transmitted disease clinic”. **MF Smikle, G Dowe**, T Hylton-Kong, E Williams, M Baum. *West Ind Med J*, 2000;49(4):257-361.
- \* “Bloodborne sexually transmitted infections in patients presenting for substance abuse treatment in Jamaica”. **G Dowe, M Smikle**, C Thesiger, E Williams. *Sex Trans Dis*, 2001;28(5):266-269.
- \* “Antibodies to hepatitis B virus and hepatitis C virus in residential detoxification clients in Jamaica”. **MF Smikle, G Dowe**, E Williams and C Thesiger. *Human Antibodies*, 2001;9:231-233.

### Non-refereed:

- \* “The medical management of diabetes mellitus with particular reference to the lower extremity – the Jamaican experience.” R Wright-Pascoe, **K Roye-Green, NC Bodonaik**. *West Ind Med J* (Suppl 1), 2001;50:46-49.

## **CATEGORIES OF STUDENTS**

### **Undergraduate**

A total of 180 students in the first and second clinical years participated in the Microbiology/Pathology MBBS program. An overall 88% (71/88) of the candidates were successful in the MBBS Stage II Part I Pathology/Microbiology examinations held in April/May 2001. The Louis Grant Prize in Microbiology was awarded to Kirk Sturridge.. The department prepared for the implementation of the new curriculum, August 2001 to be taught concurrently with the existing curriculum.

### **Postgraduate**

Six (6) candidates are registered in graduate programs in medical microbiology. These include the DM Medical Microbiology (4 candidates); Ph.D. Medical Microbiology (1 candidate); M.Phil Medical Microbiology (1 candidate).

## **OBITUARY**

Andrea Bailey, administrative technologist passed on, May 2001. Her contribution to the department was monumental and she is sadly missed.

## **DISTINGUISHED VISITORS**

**Professor Lafras Steyn**, Head, Department of Medical Microbiology, University of Cape Town, School of Medicine, South Africa.

**Dr Martin Petric**, Virologist, Division of Virology, The Hospital for Sick Children, University of Toronto, Canada.

**Dr David Livermore**, Microbiology Director, Antibiotic Resistance Monitoring and Reference Laboratory, Central Public Health Laboratory, London, U.K.

**Dr Carlos Casiano**, Division of Microbiology and Molecular Genetics, Department of Microbiology and Biochemistry, School of Medicine, Loma Linda University, USA

**Dr Hansel Fletcher**, Division of Microbiology and Molecular Genetics, Department of Microbiology and Biochemistry, School of Medicine, Loma Linda University, USA

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

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

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**T**he Department of Obstetrics, Gynaecology and Child Health this year focused on the development of its infrastructure in order to adopt and adapt to the demands of the advancing technology. The world has changed, and brought with it new realities. It is only through our creative imagination and collective will that we can be competitive in the global village. Therefore we can only predict our future if we are prepared to invent it by placing greater emphasis on research which is relevant to the Caribbean people. These initiatives will ultimately improve the quality of the lives of our people.

## **WORK OF THE DEPARTMENT**

### **Special Care Nursery**

The **Special Care Nursery** which was funded by the University Hospital is an important development for this academic year. It has the capacity for 26 newborns, a Neonatal Intensive Care Unit with the capacity for eight (8) Ventilatory Support Systems and also includes facilities to accommodate nursing mothers overnight. It is on par with other units in developed countries and will provide the platform for improving research, training and reducing the perinatal mortality rate in Jamaica. This is an important arm in the development of a Feto-Maternal Unit.

### **Assisted Reproductive Technology Unit**

The Fertility Management Unit started treating infertile couples by in vitro fertilization and embryo transfer in June 2000. So far, nineteen (19) pregnancies have resulted from embryo transfer in sixty women, including two pregnancies from frozen embryos. To date ten babies have been delivered and all are healthy. This programme is an integral part in the development and teaching of Reproductive Medicine at the University of the West Indies and at the same time is also an income generating project/venture.

## **Child Health Retreat**

A Child Health retreat, the first of its kind, was held in July 2001 under the Chairmanship of Dr. J. Frederick and Dr. Maureen Samms-Vaughan. Twenty-three (23) academic staff members from The University of West Indies and the Bustamante Hospital for Children were in attendance. This retreat addressed the issues of both the clinical and academic responsibilities of the Section.

## **NEW DEVELOPMENTS**

### **Assisted Reproduction**

The **Assisted Reproduction Technology programme** established in the Fertility Management Unit has shown tremendous success. On the 2nd of March this year we saw the historic delivery of the first set of twins and by extension the first two babies in Jamaica by In Vitro Fertilisation and Embryo Transfer from this programme in the Department of Obstetrics, Gynaecology & Child Health at the University of the West Indies Mona. This breakthrough gave the Department and the University worldwide coverage in the print and electronic media including CNN. Since then 19 of the 60 patients who underwent embryo transfers have become pregnant, this is in keeping with a 25 % success rate which is on par with the other international centers. We have also made a breakthrough in having two pregnancies from frozen embryos from June last year which were thawed and transferred this year. The university invested in the training of Dr J Frederick at the Midlands Fertility Services in the U.K. which now has paid dividends in the training of two other Lecturers, Drs Shaun Wynter, and Vernon Dacosta. The team of doctors along with Mrs. C Frederick (Embryologist) are responsible for the training of the undergraduate and postgraduate students. This programme is also generating major income and has the capacity to attract major funding particularly in areas like Stem Cell Research which will undoubtedly be the mainstay for future research in medicine.

### **Feto-Maternal**

The introduction of a **Feto-maternal Unit** which is comprised of perinatologists who are specialists in high risks pregnancies namely Drs. L Matadial, AM Mullings, S Kulkarni and Neonatologists, H Trotman, M Antoine and A Thame, has shown significant infrastructural development. This encouraged the University Hospital to make a major investment in the refurbishing of the Special Care Nursery including the Neonatal Intensive Care Unit with the capacity to eventually accommodate eight neonatal ventilators. Our Special Care Nursery has just been recently completed and is another breakthrough for the department.

## CHILD DEVELOPMENT

The Planning Institute of Jamaica in conjunction with the University of the West Indies will fund a cohort study on the development and behaviour of Jamaican adolescents.

## STAFF

### Awards

Congratulations to **Drs. Shaun Wynter** and **Sharmaine Mitchell** who were awarded the Fellowship of the American College of Obstetricians and Gynaecologists, in May 2001. **Dr J Frederick** also received an award for distinguished work in Reproductive Medicine by the American College of Obstetricians and Gynaecologists District 1V in March, 2001.

### Academic Achievements

Dr Helen Trotman returned to the Department after successfully completing a one year fellowship in Neonatology at Oregon State University and the Dorenbecher Children's Hospital, Portland, Oregon, USA.

Dr. Russell Pierre consultant at the HIV clinic successfully completed the Masters in Public Health at the University of the West Indies.

## INTERNATIONAL RESEARCH TRAINING

The contract that the NIH had with Child Health has been renewed for a 4-year period as a Centre for Research Training in Child Development and Behaviour.

Four students from the USA conducted research in Autism, under the supervision of Dr. M. Samms-Vaughn.

## RESEARCH IN PROGRESS

- Prof. Christie CD, principal investigator, “Mega-trial of safety and efficacy of pentavalent (G1,G2,G3,G4 and P1) Human-Bovine Reassortant Rotavirus Vaccine in Healthy Infants” with Drs. M. Duncan, M. Smikle, K. Thomas and **Merck & Co., USA**.
- Prof. Christie CD, principal investigator, “Pediatric HIV/AIDS leadership initiative in Jamaica,” with Prof. B. Bain, Drs. A. Mullings, J. Frederick, C. Rattray, M. Smikle, R. Pierre, Jamaican Ministry of Health, University of Maryland and **Elizabeth Glaser Pediatric AIDS Foundation, USA**.



**Dr V. Dacosta**

- Review of Cases of No-scalpel Vasectomy (new technique) in Jamaica at the Fertility Management Unit, Department of Obstetrics, Gynaecology & Child Health.
- Attitudes of Jamaican Women to the IVF programme at the Fertility Management Unit.

**Dr. J Frederick**

- The use of Interceed as an Adhesive Barrier to Reduce Tubulo-ovarian Adhesions and to Increase Pregnancy Rates Post Myomectomy. A randomised prospective trial.
- Use of Oral Contraceptive vs Metformin to Improve Outcome of Treatment in Patients Undergoing In Vitro Fertilization and Embryo Transfer.
- Factors Affecting Male Fertility in the Jamaican Population.
- Auto-antibodies in Jamaican Women with Recurrent Abortions. (Collaboration with Dept Microbiology, Dr's M Smikle & Roye-Green).

**Dr H. Fletcher.**

- Misoprostol for Induction of Labour, Once a Daily Versus Multiple Doses Phytoestrogens in Jamaican Foods and Impact on Hormone Dependent Disease Such as Breast Cancer, Ovarian Cancer, Endometrial Cancer, Prostate Cancer, Cardiovascular Disease and Osteoporosis.

**Dr. AM Mullings**

- Prevalence Study of Mycotic Vulvovaginitis (Collaboration with Dept. of Microbiology).
- Genetic Studies on Type 2 Diabetics in Patients in the Jamaican Population (Collaboration with Prof Stoffel from Rockefeller University. Funded by NIH.)

**Dr L. Matadial**

- Isolation and Evaluation of Extract of the Jamaican Plant Bromelia Pinguin to Inhibit Uterine Activity in Labour. Currently being undertaken in collaboration with Dr Roy Porter

**Dr. Doreen Millard**

- Adolescents Perceptions and Experiences of Violence in Kingston and St. Andrew

**Dr. Maolynne Miller**

- Acute Glomerulonephritis in Jamaican children (1985-1998)

**Pierre, Russell:**

- Caregiver Issues and the Impact on the HIV/AIDS Affected Child in a Jamaican population

**Dr. Audrey Pottinger**

- Effects of Loss on Children in Inner-city Communities and Effectiveness of School-based Intervention
- Examining Psychosocial Issues and Life Skills Among Medical Students at UWI

**Dr. Maureen Samms-Vaughan**

- A Comprehensive Look at the Health Development and Behaviour of Jamaica's Adolescents at 15-16 years: Follow-up of a birth cohort.
- Autism in Jamaica.

**RESEARCH COMPLETED**

- “Fertility rate in patients with recurrent leiomyomas after repeat myomectomy. Fallopian tubulo-ovarian adhesions are the main complications post myomectomy.” Frederick J, Hardie M, Fletcher H, Wynter SH, Dacosta V.
- “Hyperinsulinaemia in patients with polycystic ovarian syndrome. A Randomized control trial.” Frederick J, Roberts N, Wynter SH, Fletcher H, Dacosta V et al.
- “The increase incidence of male infertility compared to female factors in couples under investigations.” Frederick J, Dacosta V, Wynter SH, Frederick C et al.
- “Ovarian hyperstimulation Syndrome in Patients Undergoing Controlled Ovarian Hyperstimulation in Three in vitro Fertilisation - embryo transfer cycles at the Fertility Management unit, Dept. Obstetrics, Gynaecology & Child Health.” J. Frederick, S Wynter, V Dacosta, C Frederick et al.
- “Laparoscopic Surgical Treatment of Tubal Ectopic Pregnancy at University Hospital Jamaica,” SH Wynter, V Dacosta, and J Frederick.
- “Correlation between transvaginal ultrasound measured endometrial thickness and Histopathological findings in black women with postmenopausal bleeding” . H Phillip, V Dacosta , H Fletcher and S Kulkarni.

- “A Prospective Randomised Trial of Once Daily Misoprostol vs Dinprostone for Induction of Labour and its Effect on Intrapartum Fetal Wellbeing. Different doses were compared and fetal wellbeing tested using cord blood pH at birth.” SH Wynter, H Fletcher, J Frederick , V Dacosta et al.
- “Local Anaesthesia for Outpatient Laparoscopic Sterilisation : using a Paracervical block. A prospective controlled trial using lignocaine administered as a Paracervical block with ‘ same patient’ control. The aim was to see if a paracervical block would provide anaesthesia at the fallopian tube.” SH Wynter, HH Wynter, J Frederick, V Dacosta et al.

## **PAPERS PRESENTED**

**Professor Celia Christie** delivered her inaugural professorial lecture “Whoping the 100 Day Cough- Towards a Whoop-la for Tomorrow’s Children” which was well received.

### **Professor Celia Christie**

- “Lessons learned from the Greater Cincinnati Pertussis Epidemic of 1993”, Houston, Texas, USA, October 28, 2000.
- “Jamaica’s Paediatric Health Care Requirements for the new millennium” Jamaica Anaesthetics Association, Le Meridien Jamaica Pegasus Hotel, Kingston, December 3, 2000.
- “Immunization Update” Family Practice Association, Kingston, Jamaica, January 2001.

### **Dr. Vernon DaCosta**

- Male Infertility and IVF in Jamaica, Grabham Society of Obstetricians & Gynaecologists of Jamaica Annual Symposium, LOJ Auditorium 14th July 2001.
- Endometriosis, Pelvic Pain, Fibroids and their Treatment with GNRH-Analogs (with special emphasis on presenters own experiences), Abbott Laboratories – sponsored meeting, Accra Beach Hotel, Barbados, March 2001.
- Investigation of the Infertile Couple, The Junior Fellows of the American College of Obstetricians & Gynaecologists, Symposium on Infertility and Assisted Reproduction, Terra Nova Hotel, Kingston, Jamaica, September 2000.

**Dr. Santosh Kulkarni**

- Biochemistry and Thyroid Gland Volume Changes in Pregnancy and the Relationship to Postpartum Depression – FMS Annual Research Conference, November 2000.

**Dr. Joseph Frederick**

- In Vitro Fertilization at Fertility Management Unit Dept Obstetrics Gynaecology & Child Health University of West Indies -the Jamaican experience. Annual Symposium of the Medical Association of Jamaica. Hilton Hotel Kgn. 7th June 2001.
- University Role in the Development of Science and Technology in the Region. Guest Speaker, Science and Technology Award Presentation for Schools. Le Meridian Hotel, Kingston, Jamaica May 10, 2001.

**Dr. Sharmaine Mitchell**

- “Prevention of Sexually Transmitted Diseases”, Health, Home and Garden Exposition, October 2000.
- “Cervical Cancer Prevention”, Jamaica Foreign Service Association, Ministry of Foreign Affairs, April 2001
- “Physician Survey of the use of Misoprostol in Obstetrics in Jamaica”, Grabham Society of Obstetricians and Gynaecologists, July 15, 2001
- “Menopause and it’s Significance”, Women’s Federation, Eastwood Park Baptist Church, March 2001

**Dr. Anthony Mullings**

- “Human Studies in Developing Countries, Exploitation or Research”, August 25, 2000, Guest Presenter by invitation, at the University of Miami Dialogue in Ethics Series.
- “A vision for Clinical and Graduate Studies”, September 14-15, 2000, Faculty Retreat, Mona.
- “Effective Licensure Programs: Caribbean Collaboration of Medical Councils”. Managing Quality Through Regulation: Priorities and Possibilities”, October 4, 2000, National Press Club, Washington.
- “Genetic Research and Third World Countries, Science of Exploitation?” Ethics conference, The New Genetics: Legal, Medical and Religious Perspectives, February 10, 2001, St. Thomas University School of Law, Miami, Florida.

**Dr. Carole Rattray.**

- HIV in the Antenatal Population at the University Hospital. Anaesthetic Association Conference, Le Meridian Hotel, Kingston, Jamaica, December 2000.

**Dr. Shaun Wynter**

- “Ovulation Induction in Assisted Reproduction”, Junior Fellows ACOG WI Section Meeting, Terra Nova Hotel, September 9, 2000. The long protocol for ovulation induction in IVF programmes was emphasized.
- “The Inaugural In-Vitro Fertilization Cycle in Jamaica”, Faculty Research Day, The Main Medical Lecture Theatre, FMS, Mona, November 9, 2000.
- “Factors Affecting Pregnancy Rates in Patients Undergoing Invitro Fertilisation”. ACOG West Indies Section Meeting , Hilton Kingston Hotel, February 17, 2001.
- “The Making of a Test Tube Baby”, University of Technology, March 22, 2001.
- “Ultrasound in Obstetrics”, Midwives Refresher Course, Department of Obstetrics and Gynaecology, UWI, Mona. May 10, 2001.

**Dr. Leslie Gabay**

- “MODY” In: Proceedings of the 13<sup>th</sup> Biennial International Conference at the Le Meridien Jamaica Pegasus, Kingston, March 17 & 18, 2001

**Professor Robert Gray**

- “Poliomyelitis Vaccination in Jamaica”. Symposium on Immunization, Paediatric Association of Jamaica and Ministry of Health at the Jamaica Conference Centre, November 12, 2000
- “Childhood Epilepsy: a Jamaican Snapshot”: Official Launch of the International League Against Epilepsy, Jamaican chapter at Jade Garden Restaurant, Kingston, March 12, 2001
- “New Drugs in the Treatment of Seizures in Children” 13<sup>th</sup> Biennial International Conference at the Le Meridien Jamaica Pegasus, Kingston, March 17 & 18, 2001

**Dr. R. Melbourne-Chambers**

- “Headaches in Childhood” 13<sup>th</sup> Biennial International Conference at the Le Meridien Jamaica Pegasus, Kingston, March 17 & 18, 2001

**Dr. D. Millard**

- “Rheumatic Fever Update 2000” at a Paediatric Conference, Le Meridien Jamaica Pegasus, Kingston, October 2000.
- “Rheumatic Fever 2001” 13<sup>th</sup> Biennial International Conference at the Le Meridien Jamaica Pegasus, Kingston, March 17 & 18, 2001

**Dr. M. Miller**

- **Miller M**, Shah D, Baton E, Gray A, Yeates C. “Human T-cell Lymphotropic Virus-1- associated renal disease in Jamaican children”. The Caribbean Association of Nephrologists and Urologists Scientific Meeting; Kingston , Jamaica, April 2001.

**Dr. Maureen Samms-Vaughan**

- Lambert MC, Schmitt N, Russ CM, **Samms-Vaughan ME**, Lewis KM, Lancaster KE. “Measurement of Family Functioning in Jamaica using the Family Adaptability and Cohesion Environment Scale II. Does Confirmatory Factor Analysis reveal a factor structure identical to those established in the United States”? National Council on Family Relations 63<sup>rd</sup> Annual Conference. Rochester Riverside Conference Center, Rochester, New York. November 2001.
- “Health Research in the Caribbean - Research in Child Development and Behaviour in Jamaica”. XXXVI Meeting of the PAHO Advisory Committee on Health Research. Le Meridien Jamaica Pegasus Hotel. July 9-11, 2001.
- “The Profiles Project: The search for indicators of child development”. Caribbean Child Development Centre’s 25<sup>th</sup> Anniversary Seminar. Faculty of Social Sciences, University of the West Indies. May 2001.
- Lambert M C., Samms-Vaughan ME. Invited Reactors and Presenters at the Research Roundtable Series of the Maternal and Child Health Bureau of the U S Department of Health and Human Services. Series entitled “Monitoring Methods for Perinatal Outcomes.” November 2000.
- Invited presentation at Ministry of Health Conference on Children and Adolescents at Risk. “Suicidal ideation in an 11 year old cohort”. Jamaica Conference Centre, September 2000.
- Invited presentation at Ministry of Health Conference on Children and Adolescents at Risk. “Early Detection of Risk Behaviour and Effects on Educational Attainment”. Jamaica Conference Centre, September 2000

- “Development and Behavioural Issues in Chronic Disorders in Children” 13<sup>th</sup> Biennial International Conference at the Le Meridien Jamaica Pegasus, Kingston, March 17 & 18

## PUBLICATIONS

### Refereed:

- \* “A Retrospective Look at Misoprostol Induction on Antenatal Outcome”. University of the West Indies Jamaica. **Fletcher H, Hutchinson S.** *West Indian Med J*; **50** (1) : 47. 2 001
- \* “Complete Non-Puerperial Uterine Inversion as a Result of a Uterine Sarcoma.” Rattray C, Parris D, Chisholm C, Coard K. *West Indian Medical Journal* **49**, no 3, 245-247
- \* “Molecular Epidemiology of *Bordetella Pertussis* by Pulsed Field Gel Electrophoresis Profile, Cincinnati, 1989-1996.” Bisgard KM, **Christie CDC**, Reising SR, Sanden G, Cassidy P, Gomersall C, Wattignay W, Roberts N., Strebel P. Electronically published, 2001. <http://www.journals.uchicago.edu/JID>; *Journal of Infectious Diseases*, **183**:1360-7, 2001
- \* “Trial of acellular pertussis vaccine during the Cincinnati Pertussis epidemic of 1993. 1989-1996”. **Christie CD**, Garrison K, Kiely L, Gupta R, Heubi J, Marchant CD.” Electronically published, 2001 <http://www.journals.uchicago.edu/CID>; *Clinical Infectious Diseases*, **33**; 7: 997-1003, 2001
- \* “Causal Link Between Autism and Measles, Mumps, Rubella Vaccine: Fact, or Fiction?” **Christie CD** *West Indian Medical Journal*; **49**: 4; 266-267, 2000
- \* “Molecular Epidemiology of B. Pertussis During the Greater Cincinnati Epidemic of 1993”. **Christie CD**, *West Indian Medical Journal*, **49**: (Suppl. 4); p-10:24, 2000
- \* “Chronic Disease Control and Compliance – the HOPE Worldwide Jamaica Experience” [abstract]. Swaby P, Wilson E, Swaby S, Sue-Ho R, **Pierre R.** *West Indian Med J* **50**, Suppl. 2.
- \* “Is Child Daycare in Jamaica Safe? A Survey of Factors that Influence the Development of Infection in Registered Child Daycare Centres in Kingston and St Andrew” [abstract]. *West Indian Med J*, **50**, (Suppl. 2): 39-40, 2001

- \* "Factors Determining Admission to Neonatal Units in Jamaica." **Samms-Vaughan ME**, McCaw-Binns AM, Ashley DC, *Pediatric and Perinatal Epidemiology*. **15(2)**:100-105, April, 2001
- \* "Epidemiology of Haemophilus Influenza Invasive Disease in Jamaica," **Barton-Forbes M A, Samms-Vaughan M E**, Irons B [abstract] 1990-1993. *West Indian Medical Journal*; **49** (3) 200-204, 2000

#### ABSTRACTS

- \* "Self Concept, School Performance and Behavior in Jamaican Children." **Samms-Vaughan M.E.**, Ashley-Jackson M.D., Lambert M.C. Russ C.M, Ashley D.C. [abstract] *West Indian Medical Journal*; **50** (suppl. 2), 2001
- \* "Ovarian Hyperstimulation Syndrome at the Fertility Management Unit, Dept Obstetrics, Gynaecology & Child Health." Frederick J, Dacosta V, Wynter SH, Rockhead C, Phillip C, Frederick C, Aldis G, Williams R, Mckenzie C. *West Indian Medical Journal* **49**: 22. (Suppl 4) 2000
- \* "The Inaugural in Vitro Fertilization Cycle in Jamaica." Wynter SH, Frederick J, Dacosta V, Phillip H, Rockhead C, Williams R, Mckenzie C and McCleod Y. Dept of Obstetrics, Gynaecology & Child Health, UWI. *West Indian Medical Journal* **49**: 17. (Suppl 4)
- \* "Factors Associated with Term Low Birth Weight at the Victoria Jubilee Hospital." Ewan C, White, Walker S, Chang- Lopez S, Powell C, McDonald D and Fletcher H. *West Indian Medical Journal* **49** : 11. (Suppl 4) 2001
- \* "Correlation Between Transvaginal Ultrasound Measured Endometrial Thickness and Histopathological Findings in Black Women With Postmenopausal Bleeding." Phillip H, Dacosta V, **Fletcher H.** and **Kulkarni S.** *West Indian Medical Journal*.) **49** :14. (suppl 2001
- \* Lifestyles Factors and Cervical Dysplasia in Jamaican Women . Baazuaye P, **Fletcher H** ,et al *West Indian Medical Journal* 2001.
- \* "Factors Associated With the Development of Pre-eclampsia in a Jamaican Population." Bramwell G, Wieranga A, **Fletcher H.** *West Indian Medical Journal* 2001.
- \* "The Ethics of Research in Developing Countries. Letter to the Editor." **Mullings AM.** *N Engl J Med* , **342**: 362, 2000



- \* "Is There Hyperviscosity in Pre-eclampsia?" Pepple DJ, Reid HL, **Mullings AM**. *West Indian Medical Journal*. **49** : 229-31. 2000
- \* "Erythrocyte Deformability and Erythrocyte Aggregation in Pre-eclampsia." Pepple DJ, Hardeman MR, **Mullings AM** & Reid HL. *Clinical Hemorheology and Microcirculation*, **24**: 43-48. 2001

#### **Non-refereed.**

##### **Bailey, K.**

- \* Asthma – "Looking at the Bright Side" In: Proceedings of the 13<sup>th</sup> *Biennial Conference of the Paediatric Association of Jamaica*, Le Meridien Pegasus, Kingston Jamaica, March 2001

##### **Christie CD.**

- \* "Stomatitis". In: Jenson HB and Baltimore RS, eds *Pediatric Infectious Diseases, Principles and Practice, Second Edition*, Philadelphia, WB Saunders & Co., **Chapt 60**, pg 728-733
- \* **Christie CD**, "Parotitis and Sialoadenitis". In: Jenson HB and Baltimore RS., eds. *Pediatric Infectious Diseases, Principles, Second Edition*, Philadelphia, WB Saunders & Co., Chapt 62, pg 741-744
- \* **Christie CD**, "Update on Pediatric HIV/AIDS". 13<sup>th</sup> *Biennial Conference of the Pediatric Association of Jamaica*. Le Meridian Jamaica Pegasus, Kingston , Jamaica, March 18, 2001

##### **Miller, M.**

- \* "Chronic renal failure in childhood". In: Proceedings of the 13<sup>th</sup> *Biennial International Paediatric Conference*, Kingston, Jamaica. March 2001.

##### **Samms-Vaughan, M. E.**

- \* "Cognition, Educational Attainment and Behaviour in a Cohort of Jamaican Children". A comprehensive look at the development and behaviour of Jamaica's eleven year olds." *Planning Institute of Jamaica Working Paper Number 5*. March 2001.
- \* "A Profile of the Status of Jamaican Pre-school and their Learning Environments. A comprehensive look at Jamaica's six year olds." *Preliminary Report to the Inter-American Development Bank*. July 2001.
- \* "Selecting Jamaican Indicators of Child Well-being: A Scientific Approach." *Preliminary Report to the Inter-American Development Bank*. July 2001

- \* “Developmental and Behavioural Problems Associated with Chronic Diseases in Children”. *Proceedings of the 13<sup>th</sup> Biennial Conference of the Paediatric Association of Jamaica*. March 2001

## **PUBLIC SERVICE**

### **Antoine M.**

- Member, Juvenile Advisory Council (Jamaica)

### **Barton, M**

- Paediatrician for Pentab Inner City Day Care
- Member, Paediatric Association of Jamaica

### **Christie, Celia D C**

- Member, Anti-Infective Drugs Advisory Committee and Special USA Government Employee of the Food & Drugs Administration, Center for Drug Evaluation and Research, USA
- Chair, Professional Development and Equity Committee of the Infectious Disease Society of America
- Member, Board of Directors, Bank of Nova Scotia Jamaica Limited
- Member, HIV/AIDS Care Committee, Ministry of Health, Jamaica
- Member, Minority Special Interest Group, Infectious Disease Society of America
- Member, Pediatric Infectious Disease Society of America
- Founding Member, HIV/AIDS Association of America
- Member, HIV/AIDS Response Programme (HARP), UWI

### **Fletcher H**

- President, Grabham Society of Obstetricians and Gynaecologists of Jamaica.
- Vice President, District 1V of the American Association of Obstetricians and Gynaecologists.
- Member, Assessment and Promotions Committee, FMS, Mona.

### **Frederick J**

- Member, Curriculum Committee, FMS, Mona.
- Member, Joint UWI/UHWI Ethics Committee.
- Member, Medical Faculty Research Organising Committee.

**Gray, R**

- Member, Paediatric Association of Jamaica, Medical Association of Jamaica
- Advisor, Council of Management Jamaica Association for Persons with Mental Retardation
- Vice President, Jamaican Chapter, International League against Epilepsy

**Millard, D.**

- Chairman, Bustamante Hospital Management Committee
- Chairman, Adoption Board
- Programme Manager, Rheumatic Fever/Rheumatic Heart Disease National Control Programme
- Member, Medical Association of Jamaica
- Member, Paediatric Association of Jamaica
- WHO Representative, on a Task Force for the Prevention and Management of Rheumatic Fever
- Temporary Advisor to World Health Organisation in preparation of Technical Support Series on Rheumatic Fever/Rheumatic Heart Disease.

**Mullings AM**

- Coordinator and Chief Examiner, Caribbean Association of Medical Councils Certification Examinations.

**Pierre, R.**

- Member, Board of Directors of HOPE Worldwide Jamaica

**Pottinger, A**

- Vice President, Jamaican Psychological Association
- Member, Steering Committee, Disaster Mental Health Services, Jamaica Red Cross
- Consultant, Children's Services Division, United Church of Jamaica & Grand Cayman
- Board Member, Jamaica Foundation for Children
- Board Member, McCann Child Development Centre

**Samms-Vaughan M E,**

- Member, Vaz Preparatory School & Queen's High School Board.

- Member, Advisory group in the development of the UNICEF Country Programme for Maternal and Child Health in Jamaica (2002-2006)
- Consultant, Strategic Review of the National Early Childhood Programme, Planning Institute of Jamaica
- Member, Ministry of Health Working Group on Adolescent Policy
- Consultant and Advisor, Jamaica Attention Deficit Disorder Association
- Child Health representative, Committee for the Integration of Early Childhood and Day-Care Services in Jamaica, Ministry of Education

## **CATEGORIES OF STUDENTS**

### **Section Obstetrics & Gynaecology**

Both the undergraduate and postgraduate students have benefitted from the restructuring process in the Department . Facilities are provided for all lectures to be prepared on diskettes which are then stored in the departmental library for later revision by the students. The students also take advantage of the facilities in preparation of their tutorial topics and presentation using the multi-media projector which is at their disposal.

#### ***Undergraduates***

All 4<sup>th</sup> and final year medical students rotate through the section for their 5<sup>th</sup> and 10<sup>th</sup> week clerkships. In the MB.BS final examinations, 7 out of 9 students were successful in December 2000 and in June 2001 80 out of 85 students were successful, 2 students were awarded distinctions and 3 were awarded honours in Obstetrics and Gynaecology.

#### ***Postgraduate***

The postgraduate training programme has benefitted tremendously from the meticulous changes of the restructuring process through sub-specialisation. The Department is now fully equipped to deliver postgraduate training at the highest level and is comparable to any international training centres. In the DM Examination this academic year, the results were excellent. All four candidates who took the Part I in December 2000 and 4 out of 5 who took the DM Part II Examinations were successful. In June 2001 all 4 candidates taking the DM part 2 examinations were successful.

## **CHILD HEALTH.**

### ***Undergraduate***

The Section of Child Health participates in undergraduate medical training at Years 1, 3 and 5. At Year 1, Child Health plays an integral part in the SP100 course (Community Health, Child Health and Psychology). At Year 3 there is a 5-week Introductory Clinical clerkship in Paediatrics and at Year 5 a 10-week Senior Clinical clerkship in Paediatrics. 108, 111 and 79 undergraduate students were trained at Years 1, 3 and 5 respectively. The Child Health final examination occurs in conjunction with the Department of Medicine. This year the Objective Structured Clinical Examination method was used for the first time at a complete end of year examination. 67 students were successful in the final 2001 MBBS examinations in Medicine in June 2001.

### ***Postgraduate***

The DM Paediatrics is a four-year programme which aims to provide Consultant Paediatricians, particularly for the Caribbean region. The total number of postgraduates in the programme in 2001 was 20 with six in Year 1, two in Year 2, seven in Year 3 and five in Year 4. At the examinations in June of 2001, all six candidates sitting the Part I examination at the end of the two-year training were successful and were promoted to the third year of the programme. Four candidates sat the Part II Examination after four years of training and were successful. These graduates are now employed as Senior and Consultant Paediatricians in Anguilla and at the Cornwall Regional Hospital in Montego Bay.

## **DISTINGUISHED VISITORS**

**Dr Michael Gayle**, University of Florida, USA

**Mr Kurk Lynn**, Texan-Caribbean Foundation, USA

**Mrs Margaret Bernal**, Patron, UHWI/UWI, Department of Child Health, Jamaica

**Dr Douglas Watson**, University of Maryland, USA

**Dr Ira Schwartz**, Emory University School of Medicine, USA

**Ms. Blanch Brown**, Centres for Disease Control and Prevention, USA

**Dr Ellen Coates**, Centre for Human Services, USA

**Dr Laura DiGilio**, Merck Research Laboratories, USA

**Dr Xiashuang (Shell) Li**, Merck Research Laboratories, USA

**Dr Humberto Reynales**, Merck Research Laboratories, USA

**Dr Kal Spratt**, Johns Hopkins University, USA

**Dr Neeraj Kak**, Centre for Human Services, USA

**Dr John A Bootes**, May Day, Hospital, Birmingham, UK

**Mrs Gina Aldis**, Embryologist, Midland Fertility, Services, UK

**Dr Melanie Lake**, Embryologist, Midland Fertility Services, UK

**Dr Paul Donnai**, University of Manchester, UK.

**Dr. Colin Ball**, Guys & St. Thomas Hospital, England (UWI External Examiner)

**Dr. Evelyn Jones**, Cincinnati Children's Hospital and University of Cincinnati, USA

# DEPARTMENT OF PATHOLOGY

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

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## WORK OF THE DEPARTMENT

### TEACHING

#### Undergraduate

The department continued to execute the teaching of Pathology as a combined course with the department of Microbiology under the revised curriculum of 1996. The course is divided into two sections; didactic lectures in general and systematic pathology in the first clinical year and clinical (laboratory) clerkship rotations in the second clinical year. The final combined Pathology and Microbiology examination is held at the end of the second clinical year.

In the April/May final examinations of 2001, 88 students sat the examination 78 of whom were successful. Six passed with honours and one was awarded a distinction.

#### Postgraduate

The postgraduate programme leading to the DM, UWI degree continued to operate at full capacity with 13 residents in various stages of training. Eight students were registered in the Anatomical Pathology programme and three in the Laboratory Haematology programme. Two students were registered in the Clinical Haematology programme, a combined residency with the department of Medicine.

In the April/May final examinations of 2001 all four candidates sitting the Anatomical Pathology examination were successful as was the one candidate sitting the Laboratory Haematology examination. These five graduates are expected to join the pool of consultant Pathologists/Haematologists in Jamaica and the rest of the Caribbean which still suffers from a shortage of trained professionals in this area.

### Laboratory Services

The laboratory services were improved by the refurbishing of the Surgical Pathology and Cytology laboratories in Anatomical Pathology. In addition new items of equipment were installed, allowing for the efficient accession processing and reporting of specimens. Refurbishing of the Haematology and Chemical Pathology subdepartments is still pending but

the acquisition of new items of equipment for these laboratories served to expand the portfolio of routine and special tests. Notable among the special tests were those of endocrine function giving full support to the practice of clinical endocrinology as well as providing the laboratory basis for the In-Vitro Fertilization programme established by the Department of Obstetrics and Gynaecology and Child Health.

The acquisition of new equipment was complemented by a steady and adequate supply of reagents and supplies assuring the continuity of the laboratory services while providing the necessary infrastructure for the teaching of laboratory medicine.

### **Staff**

The teaching capabilities of the staff were improved by the appointment of senior residents in the postgraduate programme as Teaching Assistants. These appointments not only recognized the contributions made by the residents to the undergraduate teaching programme during the laboratory clerkship but also expanded the pool of available tutors for small group teaching under the new curriculum, scheduled to begin in September 2001.

## **RESEARCH**

The research output of the department was maintained at a high level in several spheres of activity and reflected a high level of interdepartmental collaboration. In Anatomical Pathology there were major contributions in cytology, autopsy pathology and breast pathology by Drs Escoffery and Shirley, in neuropathology by Dr. Char, in gastro-intestinal pathology by Dr. N. Williams, in renal pathology by Dr. Shah, in surgical pathology by Dr. Coard, in immunopathology by Dr. Elaine Williams and in cancer registration by Dr. Blake and Professor Hanchard. The staff in Haematology Drs. Wharfe, Brady-West, Buchner and Taylor-Houston maintained their interest in the areas of oncology and haemophilia; in Chemical Pathology Drs. Bennett and Choo-Kang concentrated on diseases of metabolism.

### **Special Projects**

#### **(a) HTLV-1**

The HTLV-1 project entered the final year of a five year contract due for renewal in October 2001. This project, a collaborative effort between the department of Pathology and the National Cancer Institute/The National Institutes of Health in Bethesda, Maryland continued research into the natural history of HTLV-1 in Jamaica with emphasis on the pathological clinical and epidemiologic manifestations. Within the Faculty there were



collaborations with the present TMRI, the department of Medicine and the department of Obstetrics and Gynaecology and Child Health. It is expected that the new contract will place emphasis on the registration of cases of lymphoma and tropical spastic paraparesis (TSP) in the island and on the establishment of cohort groups that will be followed for possible disease outcomes.

<b>Investigators (local)</b>	<b>Funding</b>	<b>Agency</b>
<b>Professor B. Hanchard</b> (Principal)	US\$900,000	NCI/NIH
<b>Dr. E. Williams</b> <b>Dr. N. Williams</b> <b>Dr. C. Escoffery</b> <b>Dr. G. Wharfe</b> <b>Prof. R. Wilks</b> <b>Dr. C. Rattray</b> <b>Prof. O. Morgan</b> <b>Dr. M. Samms-Vaughan</b> <b>Dr. A. East-Innis</b>		Bethesda, USA

(b) The Jamaica Breast Disease Study

The Jamaica Breast disease study began in January 2000 as a collaborative study among the department of Pathology, the department of Surgery, Radiology Anesthesia and Intensive Care, and the Tropical Medicine Research Institute (TMRI), to examine various aspects of the natural history of benign and malignant disease of the breast in Jamaica, with special reference to pathological/cytological and radiological indices. It is expected that the molecular biological aspects will be added to the research protocol in the future.

<b>Investigators</b>	<b>Funding</b>	<b>Agency</b>
<b>Dr. S. Shirley</b> (Principal)		To be acquired
<b>Dr. C. Escoffery</b> <b>Dr. E. Williams</b> <b>Dr. G. Wharfe</b> <b>Dr. D. Soares</b> <b>Dr. D. Mitchell</b> <b>Prof. R. Wilks</b>		

(c) Prostate Cancer

This is a multicenter collaborative study involving the Department of Pathology and the TMRI, UWI, Loyola University, Chicago, USA, and the Universities of Lagos and Ibadan in Nigeria, aimed at evaluating several aspects of prostate cancer locally and internationally, particularly the genetic, dietary and pathological indices of disease.

<b>Investigators (local)</b>	<b>Funding</b>	<b>Agency</b>
<b>Dr. F. Bennett</b>	US\$100,000	US Department of Defence
<b>Dr. K. Coard</b> <b>Dr. F. Tulloch</b> <b>Prof. T. Forrester</b> <b>Dr. W. Aiken</b>	(3 years)	

(d) Cancer Registration

A UWI Research Fellowship supported the establishment of a cancer mortality registry in the Jamaica Cancer Registry. This has enabled the registry to obtain and analyze data from the Registrar General's department on cancer mortality in Jamaica. It is expected that with the establishment of this aspect of cancer registration the registry will not only be able to provide cancer incidence data but also correlative cancer mortality data.

<b>Investigators</b>	<b>Funding</b>	<b>Agency</b>
<b>Prof. B. Hanchard</b>	UWI Research Fellowship	UWI
<b>Dr. G. Blake</b>		

## **PAPERS PRESENTED**

Members of the department participated in a number of local regional and international conferences and presented papers at some of these. Details of the presentations are as follows.

**Shirley SE**, Escoffery CT

- "The use of rapid Papanicolaou staining method in fine needle aspiration cytology of the breast at UHWI" 9<sup>th</sup> Annual Research Conference of the Faculty of Medical Sciences, October 2000 UWI.

### **Hanchard B**

- “HTLV-1 infection in infancy and childhood” Biannual Conference of the Pediatric Association of Jamaica, March 2001, Kingston, Jamaica.
- “HTLV-1 infection in Adults” Annual Clinical Meeting of the Association of Consultant Physicians of Jamaica, April 2001, Mandeville, Jamaica
- “Cancer Incidence in the West Indies” 42<sup>th</sup> Annual Conference of Commonwealth Caribbean Health Research Council, April 2001, Kingston, Jamaica.

### **Coard KC**

- “Prostate Cancer, a Pathologists view” Conference of the Association of Surgeons in Jamaica. May 2001, Kingston, Jamaica

### **Blake G**

- “Gynecological Cancer Incidence rates in Jamaica” Annual Symposium of the Grabham Society of Obstetricians and Gynaecologists of Jamaica, July 2001 Kingston, Jamaica

Hisada M, Maloney E, Sawada T, Miley WJ, Palmer P, **Hanchard B**, Bigger RJ, Goedert JJ, Manns A.

- “Viral Markers Associated with Vertical Transmission of HumanT-Lymphotropic Virus Type I in Jamaica” 10<sup>th</sup> International Conference on Retrovirology: HTLV and Related viruses June 2001 Dublin, Ireland.

LaGrenade L, Maloney EM, Wilks R, Hisada M **Hanchard B**, **Cranston B** Jack N, Edwards J, Bartholomew C, Morgan O, Biggar R, Manns A.

- “HTLV-1 Infection in Family Members of Patients with ATL, TSP and ID: Results from the Jamaica and Trinidad Family Studies” 10<sup>th</sup> International Conference on Retrovirology HTLV and Related viruses June 2001 Dublin, Ireland.

Wilks R, **Braham J**, LaGrenade L, Morgan O, Miley WJ Bradley G, **Cranston B**, Manns A **Hanchard B**.

- “HTLV-1 Associated Diseases in Three Generations of a Jamaican Family” 10<sup>th</sup> International Conference on Human Retrovirology: HTLV and Related Viruses, June 2001 Dublin, Ireland.

## PUBLICATIONS

### Refereed

- \* “Human T-cell lymphotropic virus-1 associated renal disease in Jamaica children” Miller MEY, **Shah DJ**, Barton EN Gray AHE, Yeates CB. *Pediatr. Nephrol* 16:51-56, 2001
- \* “Severe Pulmonary Barotrauma” Reid-Nicholson MD, **Escoffery CT**. *West Indian Medical Journal* 2000; 49: 344-6
- \* “The use of rapid Pananicolaou staining method in fine needle aspiration cytology Hospital of the West Indies” **Escoffery CT, Shirley SE, Kay KK, Sutherland M, Gray J**. *West Indian Medical Journal* 2000; 49 (Suppl.4): 16 (Abstract)
- \* “Autopsy Findings and Causes of Death in Sickle Cell Diseases”, **Escoffery CT, Shirley SE**, *Postgraduate Doctor* 2000; 437-446
- \* “Fatal Head Trauma from tree related injuries” **Escoffery CT, Shirley SE** *Medicine, Science and Law* 2001; 41: 298- 300
- \* “Medical Student’s Evaluation of their Pathology Clerkship Experience” **Coard KCM, Williams E**. *West Indian Medical Journal* 50: 78-80; 2001
- \* “Clear Cell Sarcoma of Soft Parts, A Case Report and Review of the Literature” Reid-Nicholson **M, Williams, E. Brady-West D**. *West Indian Medical Journal* 50: 78-80; 2001
- \* “Male Breast Cancer: An Analysis of four Case Report and Review of the Literature” **Gibson T, Brady-West D, Williams, E** *West Indian Medical Journal* 50, No. 2 165-168; 2001
- \* “Complete non-puerperal uterine inversion as a result of a uterine sarcoma” Rattray CA, Parris CN, Chisholm G, **Coard KCM** *West Indian Medical Journal* 49: 245-247; 2000.
- \* “Nodular fasciitis” **Coard KCM**. *West Indian Medical Journal* 50: 148-150, 2001.
- \* “Salivary gland lesions: A Jamaican perspective” **Williams NP, Boyd DL, Choy L, Hanchard B**. *West Indian Medical Journal* 50:62-5, 2001
- \* “Colonic lipomas at the University Hospital of the West Indies” Mitchell DIG, McDonald AH, **Williams NP, Royes CAR, Duncan ND, Hanchard B**. *West Indian Medical Journal* 50:144-7, 2001

- \* “Age-specific incidence of cancer in Kingston and St. Andrew, Jamaica 1993-1997” **Blake G, Hanchard B, Wolff C, Samuels E, Simpson D, Ramjit C, Mitchell K.** *West Indian Medical Journal*, 50(2):123-129, 2001
- \* “Standardized comparison of glucose tolerance in West African origin populations Rural/urban Cameroon, Jamaica and Caribbean migrants to Britain.” Mbanya JC, Cruickshank, JK, Forrester T, Balkau B, Ngogang JY, Riste L, Forhan A, McFarlane-Anderson N. **Bennett, FI, Wilks R.** *Diabetes Care* 22: 434-40 1999
- \* “Blood Pressure is Related to Placental Volume and Birth Weight” Thame M, Osmond C, Wilks RJ, **Bennett FI**, Forrester TE. *Hypertension*, 35:662-667, 2000
- \* “The effect of birth weight and postnatal linear growth retardation on blood pressure at age 11 – 12 years” Walker SP, Gaskin P, Powell CA, **Bennett FI**, Forrester TE, Grantham-McGregor S. *J. Epidemiol Community Health*, 55:294-398, 2001
- \* “Trans-ethnic fine mapping of a quantitative trait locus for circulating angiotensin 1-converting enzyme” (ACE) McKenzie CA, Abecasis GR, Keavney B, Forrester T, Ratcliffe PJ, Julier C, Connell JMC, **Bennett FI** MCFarlane-Anderson N, Lathrop GM, Cardon LR *Human Molecular Genetics*, 2001; 10:1077-1084
- \* “Retrospective audit of blood donation at a Hospital-based Blood Centre-Implications for blood product supply and safety” **Brady-West DC, Buchner LM** *West Indian Medical Journal*, 2000, 49 (3) 226-228
- \* “The Combination of zidovudine and interferon alpha-2b in the treatment of adult T-cell leukemia/lymphoma” White JD, **Wharfe G**, Stewart DM, Maher VB, Eicher D, Herring B, Derby M, **Hanchard B, Cranston B** et al. *Leukemia & Lymphoma*, 40(3-4) 287-94, 2001
- \* “False positive troponin I in a case of metastatic small cell bronchogenic carcinoma complicated by pulmonary thromboembolism” **Gibson TN, Hanchard B.** *West Indian Medical Journal* 50(2):171-172; 2001

## **AWARDS**

### **Vice Chancellor's Award for Excellence**

**Professor Hanchard** was presented with the Vice Chancellors award for excellence (research category) in November 2000.

### **UWI Research Fellowship**

**Professor Hanchard** received a UWI research fellowship for 2000/2001 in order to establish a cancer mortality registry in the Jamaica Cancer Registry.

## **PUBLIC SERVICE**

The members of staff in Anatomical Pathology continued to volunteer their services in Cytopathology to the Jamaica Cancer Society, in support to their cervical cancer and breast cancer screening programmes. Professor Hanchard also serves as a member of the Board of Directors of the Jamaica Cancer Society.

## **DISTINGUISHED VISITORS**

**Dr. John Parker-Williams**, St. George's Hospital, London

**Professor David Lowe**, St. Bartholomew's Hospital, London

**Professor Robert Riddell**, McMaster University, Hamilton Ontario

**Dr. James Goedert**, NCI/NIH, Bethesda, Maryland

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

**Dr. Elizabeth Maloney**, NCI/NIH, Bethesda, Maryland

# DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE

**Professor Peter Fletcher, MB BS *Lond-UCWI*, FRCSEd, FACS**  
– **Head of Department**

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## WORK OF THE DEPARTMENT

**T**he main preoccupation of Faculty and Department during the year was with curriculum development and General Medical Council accreditation.

**Professor Michael Branday** chaired the Curriculum Committee which developed the Basic Science curriculum leading to the new **Batchelor's degree in Medical Sciences (B Med Sci)**, and which will be offered starting in September 2001. Various members of the Department participated in the meetings and workshops which developed this new degree.

**Professors Peter Fletcher** and **Michael Branday** were members of the Dean's Committee that collated the information required for a General Medical Council visit.

**Dr Ivor Crandon** and **Professor Paul Steinbock**, University of British Columbia, performed the first neuroendoscopic intracranial procedure in the Caribbean in November 2000. In addition, a neurosurgical stereotactic system was commissioned in June 2001, the first of its kind in Jamaica.

**Dr Michael Fabrizio**, Assistant Professor of Urology, Eastern Virginia Medical School, in association with **Dr W Aiken**, performed the first laparoscopic nephrectomy in Jamaica at UHWI

**Professor Richard Perryman** and his team from Caribbean Heart Menders Inc. performed paediatric open heart procedures at UHWI

The Department participated in the first American College of Surgeons Advanced Trauma Life Support (ATLS) course conducted in Jamaica in May 2001.

The Annual Departmental Retreat was held in July 2001.

## **Conferences/Workshops Organised**

1<sup>st</sup> DM Surgery (UWI) Outreach Conference. Grenada. November 2000

Jamaica Orthopaedic Association 6<sup>th</sup> Annual Symposium. Kingston, January 2001.

Curriculum Development Workshop, Faculty of Medical Sciences, Mona, February 2001.

2<sup>nd</sup> Endoscopic Sinus Workshop. UWI, Mona, January 2001.

Jamaica Urological Society Annual Symposium. Kingston, February 2001

Jamaica Emergency Medicine Residents Conference. Kingston, March 2001.

Anaesthetic Resident's Symposium 2001. "Affairs of the Heart: The Cardiac Patient." UWI, April 2001

UHWI Drug and Therapeutic Committee Symposium. "Pain Management: a Multidiscipline Approach." UHWI, April 2001

Departmental Annual Clinical Research Meeting, UWI, May 2001.

## **Gifts/Benefactions**

\$1,032,350.95 to Accident & Emergency Unit from ScotiaBank Jamaica Foundation

\$28,500.00 to Neurosurgical Service from Mr Roger Robotham

\$20,000.00 to Neurosurgical Service from Smoker 2000

\$30,000.00 to Clinical Research Meeting from Manufacturers Merchant Bank

\$30,000.00 to Clinical Research Meeting from Johnson & Johnson

\$30,000.00 to Clinical Research Meeting from Apotex International Inc.

\$30,000.00 to Clinical Research Meeting from National Commercial Bank

\$50,000.00 to Anaesthesia & Intensive Care from The Woman's Club

\$22,821.76 to Anaesthesia & Intensive Care from the Barrington Miller family

\$5,000.00 to Anaesthesia & Intensive Care from HD Hopwood



\$5,000.00 to Anaesthesia & Intensive Care from Jamaica  
Anaesthetists Association

\$15,725.00 to Anaesthesia & Intensive Care from Hope United  
Church.

### **Donations**

\$192,451.12 for Sponsorship/Assistance of Residents

\$20,500.00 for Sponsorship /Assistance of Nurses

\$264,669.37 for Staff Welfare

### **RESEARCH IN PROGRESS**

**Trauma:** This continues to be the main focus of Departmental research which involves all the sections. Data from some 3640 patients have been collected for our Trauma Registry since its inception in January 1998, and 23 papers/presentations have resulted so far from the information. An additional 6 papers have recently been submitted.

**Breast Disease:** The Department is taking part in a cooperative study of diseases of the breast with the Department of Pathology and the Cancer Registry of Jamaica. This is being assisted by a grant of J\$120,000 from the Research and Publication Committee.

**Colorectal Cancer:** A retrospective review of colorectal cancer patients at the UHWI has resulted in a number of presentations locally and regionally. A prospective study, based on the analysis of the review, has been completed and data are being analysed. The Department is now collaborating with the Departments of Pathology and Medicine, and the Cancer Registry in a more comprehensive study of this disease.

**Prostate Cancer:** The Division of Urology has embarked on a multinational collaborative effort under the auspices of the TMRI and its chronic disease network involving Loyola University, the UWI and Nigeria, looking at prostate cancer in the African diaspora. The results of this study, funded by the US Department of Defense, should shed light on the role of ethnicity versus environment (specifically dietary influences) in the genesis and severity of prostate cancer amongst persons of African descent.

**Surgical Operations Database:** This database, which was established in 1990, continues to collect information prospectively. It remains a resource for identifying areas for study through analysis of numbers and types of operations, and of patient information.

**Tracking System:** Dr J Michael Branday received a grant of J\$25,000.00 from the Research and Publication Camp Fund to undertake

a project entitled “Data Base Tracking System for the Faculty of Medical Sciences.” A part of this project involves psychosocial evaluation of medical students in regard to motivation, fears, and concerns.

**Cardiothoracic:** Dr Paul Ramphal developed a very innovative cardiac surgical simulator during his study leave which has great potential for skills training for surgical residents. An island-wide survey is being undertaken to determine the prevalence of heart disease in Jamaica. Evaluation of the use of cardiomyoplasty to assist the failing heart.

**Orthopaedics:** Joint project with University of Ottawa, Canada, and Department of Pathology, UWI, Mona, on pathogenesis of digital tenovaginitis stenosans (‘trigger’ finger). Collaborative project with Division of Orthopaedics, St Augustine, Trinidad, on calcaneal fractures.

**Radiology:** Collaborative study with TMRU on fatty liver in protein-energy malnutrition in children.

**Anaesthesia & Intensive Care:** Several studies are in progress on pain relief in surgical and obstetric patients. Continuing work on sepsis in the Intensive Care Unit

## PAPERS PRESENTED

- “Modern Head Injury Management.” **IW Crandon**. Guest Lecture, Princess Margaret Hospital, Nassau, Bahamas. September 2000
- Urinary tract stones at UHWI: a retrospective analysis. Poster. **W Aiken**, F Bennett. 9<sup>th</sup> Annual Research Conference, Faculty of Medical Sciences, Mona. November 2000.
- Bicycle spoke injuries – an unnecessary childhood injury? Poster. **R Dixon, K Vaughan**. 9<sup>th</sup> Annual Research Conference, Faculty of Medical Sciences, Mona. November 2000.
- “Colorectal Cancer.” Dr **Michael McFarlane**, UWI. Surgical Grand Rounds Lecture. November 2000
- “Treatment of Spasticity.” **Professor Paul Steinbock**, University of British Columbia. Surgical CPC, Faculty of Medical Sciences, Mona. November 2000
- “Neuroendoscopy.” **Professor Paul Steinbock**, University of British Columbia. Surgical Grand Rounds Lecture. November 2000
- “Adult Respiratory Distress Syndrome.” **A Barnett**. Surgical Grand Rounds Lecture. November 2000

- “Recurrent Mitral Stenosis – Operable?” **H Spencer**. Annual Scientific Meeting, Hospital Paedtico Universitario William Soler, Cuba, November 2000.
- “The Diabetic Foot.” **Professor Gordon Hunter**, University of Toronto. Surgical Grand Rounds Lecture. December 2000.
- “Modern Approaches to the Imaging of Strokes and Peripheral Nerves.” **Dr Brian Bowen**, University of Miami/Jackson Memorial Hospital. Surgical Grand Rounds Lecture. December 2000.
- “Diagnostic Imaging of Spinal Tumour.” **W West**. Jamaican Orthopaedic Association 6<sup>th</sup> Annual Symposium. Kingston, January 2001
- “Defining the Source of Back Pain.” **I Crandon**. Jamaican Orthopaedic Association 6<sup>th</sup> Annual Symposium. Kingston, January 2001.
- “Non-accidental Injury in Children: Neuroimaging and Mechanism of Injury.” **Dr Norman McConachie**, Queen’s Medical Centre, Nottingham. Surgical Grand Rounds Lecture. January 2001
- “Fracture of the Hip.” **Dr John Bodden**. Florida. Surgical Grand Rounds Lecture. January 2001
- “Diagnosis of the Acute Scrotum.” **Professor Edwin Smith**, Emory University, Atlanta. Surgical Grand Rounds Lecture. March 2001.
- “The Trouble with Antibiotic Resistance.” **Dr David Livermore**. London, England. Surgical Grand Rounds Lecture. March 2001.
- “Acute Renal Failure.” **Prof Everard Barton**. UWI. Surgical Grand Rounds Lecture. March 2001.
- “Graduate Surgical Training at the University of the West Indies.” **DR DuQuesnay**. Joint Meeting of the Royal College of Surgeons of England and Surgeons in the Caribbean. Barbados, March 2001.
- “The North American Influence on Surgical Education in the Caribbean.” **P Fletcher**. Joint Meeting of the Royal College of Surgeons of England and Surgeons in the Caribbean. Barbados, March 2001
- “Substance Abuse in Injured Patients.” **AH McDonald**. Joint Meeting of the Royal College of Surgeons of England and Surgeons in the Caribbean. Barbados, March 2001.

- “Surgical Treatment of Myasthenia Gravis.” **P Ramphal**. Joint Meeting of the Royal College of Surgeons of England and Surgeons in the Caribbean. Barbados, March 2001
- “Asthma at the UHWI.” **S French**. Jamaica Emergency Medicine Residents Conference. Kingston, March 2001.
- “Trauma Care in Jamaica.” **A McDonald**. Jamaica Emergency Medicine Residents Conference. Kingston, March 2001.
- “Evaluation of Abdominal Trauma: Making the Diagnosis.” **J East**. Jamaica Emergency Medicine Residents Conference. Kingston, March 2001.
- “Head Injury Management in the Emergency Room.” **I Crandon**. Jamaica Emergency Medicine Residents Conference. Kingston, March 2001.
- “Wound Healing and care in the Infected Diabetic Foot.” **T McCartney**. 7<sup>th</sup> Annual International Diabetes Conference. Ocho Rios, March 2001
- “Experience in Lower Extremity Microsurgery and Affairs of the Heart.” **Professor Milton Armstrong**. University of Miami School of Medicine. Surgical Grand Rounds Lecture, April 2001.
- “Lower Extremity Occlusive Vascular Disease.” **Dr Brian Donalson**. Harlem Hospital Centre, New York, Florida. Surgical Grand Rounds Lecture, April 2001.
- “Aortic Valve Surgery.” **Professor Richard Perryman**. Joe DiMaggio Childrens Hospital, Florida. Surgical Grand Rounds Lecture, April 2001
- “Post-op pain relief on the orthopaedics ward, is it adequate?” **R Dixon, K Vaughan**. UHWI Drug and Therapeutic Committee Symposium. “Pain Management: a Multidiscipline Approach.” UHWI, April 2001
- “Clinical Comparison of the Morbidity Associated with Cholecystectomy in adults and children with homozygous Sickle Cell Disease.” **N Duncan, AI Smith, AH McDonald, DIG Mitchell**. 46<sup>th</sup> Annual CHRC Meeting, Kingston, April 2001.
- “Outcome of evacuated acute traumatic intracranial masses (EATIM Study).” **CAR Bruce**, AGA Jackson, **IW Crandon**. 46<sup>th</sup> Annual CHRC Meeting, Kingston, April 2001.

- Splenectomy Performance in Sickle Cell Disease. Poster. **ND Duncan, AI Smith, G Badal, B Brown, C Ramsaran.** 46<sup>th</sup> Annual CHRC Meeting, Kingston, April 2001.
- Neonatal Plastibell Circumcision: a preliminary report. Poster. **ND Duncan, AI Smith, G Badal, B Brown, C Ramsaran.** 46<sup>th</sup> Annual CHRC Meeting. Kingston, April 2001.
- “Prostate Cancer: the Urologist’s View.” **T Tulloch.** Association of Surgeons in Jamaica Annual Clinical Conference. Kingston, May 2001.
- “Laparoscopic Gall Bladder Surgery in Jamaica.” **DIG Mitchell.** Association of Surgeons in Jamaica Annual Clinical Conference. Kingston, May 2001.
- “A Ten Year Review of Oesophageal Cancer.” **R Irvine.** Association of Surgeons in Jamaica Annual Clinical Conference. Kingston, May 2001.
- “Soft Tissue Cover of Open Tibial Fractures.” **Dr Richard Milner,** University of Newcastle, England. Surgical Grand Rounds Lecture. May 2001.
- “Regional Anaesthesia: How Far Has It Come?” **Dr Annette Crawford-Sykes.** UWI. Surgical Grand Rounds Lecture. May 2001.
- “Severe Head Injury Assessment and Management.” **IW Crandon.** Medical Association of Jamaica Annual Symposium. Kingston, June 2001.

The following seven presentations were made at the 1<sup>st</sup> DM Surgery (UWI) Outreach Conference, Grenada, November 2000.

- “Current Management of Ureteric Stones.” **W Aiken.**
- “New Techniques in Inguinal Hernia Repair.” **P Bhoorasingh.**
- “The Management of Colorectal Cancer.” **J East.**
- “Infected Diabetic Foot Problem.” **I Titus.**
- “Update in Nasopharyngeal Carcinoma.” **H Ashman.**
- “Hand Infections.” **A Mansingh.**
- “High Risk Coronary Surgery.” **P Ramphal.**

The following presentations were made at the Department of Surgery, Radiology, Anaesthesia & Intensive Care Clinical Research Meeting. UWI, Mona. May 2001

- “Paravertebral Blockade for Breast Surgery: Initial Experience at UHWI.” **A Crawford-Sykes, D Chin, et al.**
- “Fractures in Children.” **K Jones, K Vaughan.**
- “Graduate Surgical Training at UWI.” **DR DuQuesnay.**
- “Modified Mesh Repair for Ventral Hernias.” **J East.**
- “Fracture of the Penis.” **W Aiken, L Johnson, et al.**
- “Age as a Predictor of Mammographic Density in Jamaican Women.” **D Soares, M James, et al.**
- “NPO – The Current Status.” **M Scarlett.**
- “Results of Using the Ilizarov Technique.” **REC Rose.**
- “Soft Tissue Tumours.” **G Arscott et al.**
- CXR in Unresolving Asthmatic Attacks. Poster. **W West, L Bridgewater, et al.**
- Utilization of A&E Resources by Asthmatics. Poster. **S French, A McDonald, et al.**
- Colorectal Tumours. Poster. **M McFarlane, A Rhoden, et al.**
- The New Medical Curriculum: 2001. Poster. **JM Branday et al.**
- GA vs SA for Deliveries at UHWI. Poster. **A Crawford-Sykes.**
- Complex Regional Pain Syndrome Type II. Poster. **K Ehikhametalor, M Nelson, et al.**

## **PUBLICATIONS**

### **Refereed**

- \* Brain Abscess at the University Hospital of the West Indies. **G Donaldson, D Webster, I Crandon.** *WI Med J* 2000;49, 212
- \* Spinal Injuries at the University Hospital of the West Indies. **CAR Bruce, G Donaldson, W Palmer, IW Crandon.** *WI Med J* 2000; 49, 216

- \* Chronic Relapsing Pancreatitis in a child – Use of the Puestow Procedure to Achieve Ductal Drainage. **ND Duncan, A McDonald, M James, B Brown, DIG Mitchell.** *WI Med J* 2000; 49, 242-244.
- \* Surgery for Patent Ductus Arteriosus: Still the Gold Standard. **PS Ramphal, R Irvine, HS Spencer.** *WI Med J* 2000; 49: 294-297
- \* Cholecystectomy in Jamaican children with acute homozygous sickle-cell disease. **ND Duncan, AH McDonald, DIG Mitchell.** *Tropical Doctor* 2000; 30: 214-216.
- \* Villous tumour of the duodenum: Report of a case and review of the literature. **MEC McFarlane.** *J Hepatic Biliary Pancreas Surg* 2000; 8: 107-9
- \* Colonic lipomas at the UHWI. **DIG Mitchell, AH McDonald, NP Williams, CA Royes, ND Duncan, B Hanchard.** *WI Med J* 2001; 50: 144-47.
- \* Patient's desire for Peri-operative Information: Jamaican Attitudes. **AM Crawford-Sykes, IR Hambleton.** *WI Med J* 2001; 50: 159-63.

## Abstracts

- \* Urinary tract stones at UHWI: a retrospective analysis. **W Aiken, F Bennett.** *WI Med J* 2000; 49 (Suppl 4): 21
- \* Bicycle spoke injuries – an unnecessary childhood injury. **K Vaughan.** *WI Med J* 2000; 49 (Suppl 4): 21
- \* Clinical Comparison of the Morbidity Associated with Cholecystectomy in adults and children with homozygous Sickle Cell Disease. **N Duncan, AI Smith, AH McDonald, DIG Mitchell.** *WI Med J* 2001; 50(Suppl 2): 45
- \* Outcome of evacuated acute traumatic intracranial masses (EATIM Study). **CAR Bruce, AGA Jackson, IW Crandon.** *WI Med J* 2001; 50(Suppl 2): 45
- \* Splenectomy Performance in Sickle Cell Disease. Poster. **ND Duncan, AI Smith, G Badal, B Brown, C Ramsaran.** *WI Med J* 2001; 50(Suppl 2): 59
- \* Neonatal Plastibell Circumcision: a preliminary report. Poster. **ND Duncan, AI Smith, G Badal, Brown, C Ramsaran.** *WI Med J* 2001; 50(Suppl 2): 62

- \* Wound Healing and care in the Infected Diabetic Foot. **T McCartney**. *WI Med J* 2001; 50 (Suppl 1): 27-8

### **Non-Refereed**

- \* Basic Practical Urology. **L Lawson Douglas**. Canoe Press, 2001.
- \* CME: Images and Diagnoses. **WM West**, M Fitz-Henley. *WI Med J* 2001; 50: 164.

### **PUBLIC SERVICE**

#### **Dr William Aiken**

- Secretary, Association of Surgeons in Jamaica
- Secretary, Jamaica Urological Society

#### **Dr Lilieth Bridgewater**

- Member, FMS Staff/Student Liaison Committee
- Secretary, Jamaica Association of Radiologists

#### **Professor Michael Branday**

- Chairman, Curriculum Committee, FMS, Mona
- Member, Assessment & Promotions Committee, FMS, Mona
- Member, Staff/Student Liaison Committee, FMS, Mona
- Faculty Representative, Academic Quality Assurance Committee, UWI, Mona
- Teaching Skills Tutor, Instructional Development Unit, UWI, Mona
- Academic Board Representative, Board for Undergraduate Studies
- Treasurer, Jamaica Chapter, American College of Surgeons

#### **Dr Ivor Crandon**

- Supervisor, DM Surgery (Neurosurgery) programme

#### **Dr Annette Crawford-Sykes**

- Member, Staff/Student Liaison Committee, FMS, Mona

#### **Dr Newton Duncan**

- Supervisor, DM Surgery (Paediatric Surgery) programme

#### **Dr Ronald DuQuesnay**

- President, Association of Surgeons in Jamaica



- Secretary, Jamaica Chapter, International College of Surgeons
- Secretary, Caribbean College of Surgeons

**Professor Peter Fletcher**

- Chair, Security Subcommittee, F&GPC, UWI, Mona
- Member, UWI/UHWI Ethics Committee
- Member, Editorial Board, West Indian Medical Journal
- Chair, Accident & Emergency Advisory Committee, UHWI
- Director, UHWI Private Wing Ltd. (Tony Thwaites Wing)
- Member, Board of Directors, Jamaica Fire Brigade
- Member, Board of Trustees, Health Support Fund, Ministry of Health
- Medical Advisor, West Indies Cricket Board.

**Dr Archibald McDonald**

- Chairman, ScotiaBank Accident & Emergency Advisory Committee, UHWI
- Member, UWI/UHWI Ethics Committee
- Director, Mancare Medical Centre Ltd.
- Treasurer, Association of Surgeons in Jamaica

**Dr Michael McFarlane**

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

**Dr Derek Mitchell**

- Member, Advisory Committee, HD Hopwood Computer Center
- Member, Patient Information Management System, UHWI

**Dr Maria Nelson**

- Member, Staff/Student Liaison Committee, FMS, Mona

**Dr Paul Ramphal**

- Faculty, Acute Cardiac Life Support Course, Ministry of Health

**Dr Christopher Rose**

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

**Dr Marinna Scarlett**

- President, Jamaica Anaesthetists Association

**Dr Hal Shaw**

- President, Caribbean Association of Otolaryngologists

**Professor Howard Spencer**

- Governor-at-Large, American College of Surgeons
- President, Jamaica Chapter, American College of Surgeons
- Director, Jamaica Foundation for Cardiac Disease
- Council Member, Caribbean Cardiac Society
- Chairman, Board of Management, Mona Institute of Medical Sciences.
- Regional Representative, International Society of Cardiothoracic Surgeons

**Dr Wayne West**

- Member, Curriculum Committee, FMS, Mona

**CATEGORIES OF STUDENTS****Undergraduate Students**

269 medical undergraduates rotated through the Department during the year. Four of 6 were successful in the MB BS Stage II Part IV repeat examination in November/December 2000, and 75 of 87 were successful in the May/June 2001 examination.

**Graduate Students**

There were 81 graduate students (residents) registered in the DM programmes of the Department; 56 in DM Surgery ( 23 DM Part I, 8 DM General Surgery, 7 DM Orthopaedics, 6 DM Otolaryngology, 3 DM Urology, 5 DM Neurosurgery, 1 DM Cardiothoracic, 3 DM Paediatric Surgery), 9 in DM Radiology, 16 in DM Anaesthesia & Intensive Care, and 16 in DM Emergency Medicine.

Eight students graduated from the DM Surgery programmes, 3 in General Surgery, 1 in Orthopaedic Surgery, 1 in Neurosurgery, 3 in Emergency Medicine, 4 in Radiology, and 2 in Anaesthesia & Intensive Care.

## **DISTINGUISHED VISITORS**

**Professor Paul Steinbock**, University of British Columbia

**Professor Gordon Hunter**, University of Toronto

**Dr Brian Bowen**, University of Miami/Jackson Memorial Hospital

**Dr Norman McConachie**, Queen's Medical Centre, Nottingham.

**Dr John Bodden**, Florida

**Professor Edwin Smith**, Emory University

**Professor Milton Armstrong**, University of Miami School of Medicine.

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**Professor Brian Donaldson**, Columbia University College of Physicians and Surgeons, New York

**Dr Richard Milner**, University of Newcastle, England

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