

UNIVERSITY OF GHANA  
LEGN



*Annual Report*

**2003**

## PREFACE

This report presents information about some of the activities that took place at the University of Ghana in the past year. These activities are in conformity with the mission of the University, which seeks to develop world-class human resources and capabilities to meet national development needs and global challenges through quality teaching, learning, research and knowledge dissemination.

Once again the University demonstrated that its procedures are transparent and trustworthy. After an exhaustive search a new Vice-Chancellor was appointed and inducted into office on October 1, 2002. The University is grateful to Professor Ivan Addae-Mensah for his contribution to the development of this University during his tenure as Vice-Chancellor.

Upon assumption of office the new Vice-Chancellor used the first few weeks to visit different units of the University to share his vision with them and learn about their potentials and problems. The importance of relating the activities of the University to the Strategic Plan, which covers the period 2002-2010, was stressed during the visits. An institutional transformation programme has been launched to help push the implementation of the University Strategic Plan. One of the major tenets of the programme is the re-organisation of the Central Administration to enable it respond quickly and efficiently to the bureaucratic demands of a large complex tertiary institution.

Last year saw a phenomenal increase in student admissions. Out of a total number of 19,433 applications, 7,959 were offered admission. Admissions therefore increased by 38.8 percent from 2001 to 2002. The consequences of this large increase in student numbers is overcrowding in the halls of residence, overcrowding in the lecture and examination halls and increased stress on teaching staff. Attempts are being made to control the situation so that quality does not suffer.

The University continues to recognise excellence in all fields of endeavour. Last year the University awarded ten distinguished persons honorary doctorate degrees. These persons included Professor Ali A. Mazrui who delivered the Aggrey-Frazer-Guggisberg Memorial Lectures.

Professor Ali A. Mazrui who is the Director of the Institute of Global Cultural Studies and Albert Schweitzer Professor in the Humanities, Binghamton State University, New York, USA gave three lectures on the theme, "Nkrumah's Legacy and Africa's Triple Heritage. The Shadows of Globalisation and Counter-terrorism". Ghana Universities Press is publishing the well-attended lecture series.

In the course of the year two major infrastructure projects were commissioned. These were the Kwame Nkrumah Complex that houses the Institute of African Studies and the Jubilee Hall, which is a hall of residence. The Jubilee Hall is a gift to the University from its alumni to commemorate the 50th anniversary of the University. The other main infrastructure project still under construction and progressing steadily is the Faculty of Law building. The University is turning its attention to the expansion in classroom/examination hall space, library space and office space to cope with the large number of students.

It is the intention of the University to expand access to computing facilities and the Internet. The programme to expand the cyber programme of the University

received a boost from the GETFund and the Carnegie Corporation of New York. Through grants from both agencies it was possible to increase the bandwidth of the Internet backbone of the University and purchase more computers for the use of staff, faculty and students.

The sustenance of quality of teaching and learning continues to be a major objective of the University. Through the help of the Carnegie Corporation a faculty development and learning resource centre is being established in the University. The centre will have a fully functional multimedia laboratory, which will be used by academic staff.

The resilience of the University of Ghana has been demonstrated over the years through its ability to run its programmes in the presence of difficulties. However, in attempts to do so the University should not be pushed to the wall so that quality would suffer. It is hoped that increased resources will be made available to the University to enable it pursue its mission diligently.

As we call upon students to contribute more towards their education, it is our hope that the alumni of the University which includes this year's graduands will come to the aid of their alma mater to enable it contribute effectively to the development of this country. Today marks another milestone in the life of this University with this Congregation. I wish all graduands success in their new endeavours.

May God bless all of you.

**Kwadwo Asenso-Okyere**

Vice-Chancellor

March 15, 2003

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# FACULTY OF AGRICULTURE

## DEPARTMENT OF AGRICULTURAL ECONOMICS AND AGRIBUSINESS

### Overview

The Department teaches courses in Agricultural Economics, Agribusiness, and Agricultural Administration. The programmes are offered jointly with other Departments. These programmes include the following:

- M.Phil. and Ph.D in Agricultural Economics
- M.A.A. and M.Phil. in Agricultural Administration
- Three-Year B.Sc. (Hons) degree in Agriculture with Specialization in Agricultural Economics
- Two-year Diploma in General Agriculture (NDA)
- Two-year Diploma in Agricultural Engineering (NDAE)
- Two-year Diploma in Post-Harvest Technology (NDPHT)
- Two-year Diploma in Animal Health (NDAH)

The number of Post-Graduate Students in the Department was 56 including one Ph.D. student. Also, about 60 percent of Level 400 students in Agriculture opted to specialize in Agricultural Economics.

### Staff Strength

#### Senior Members

Rev. Dr S. Asuming-Brempong	Snr. Lecturer and Head of Department
Dr. Ramatu Al-Hassan	Snr. Lecturer
K. O. Baah	Snr. Lecturer (Sabbatical Leave)
Dr George T-M. Kwadzo	Lecturer
K. Yerfi Fosu	Lecturer
D. P. K. Amegashie	Lecturer
Dr. D B Sarpong	Lecturer
Irene S. Egyir	Lecturer
John B.D. Jatoo	Lecturer
V.O. Asante	Lecturer (on study leave)
A. Mensah-Bonsu	Lecturer (on study leave)
Dr E. K. Andah	Snr. Lecturer (Part-Time)
Dr. Alfred Asante	Lecturer (Part-Time)

#### Junior and Senior Staff

Egu Francis Kwaku	Snr. Administrative Asst. (On Study Leave)
F.B.Dadson	Snr. Research Asst.
Sarah Omane-Boadi	Snr. Clerk

## Research

### **Al-Hassan R. with S. Asuming-Brempong, S., Yankson and Nurah, G.K.**

- "Sustainable Food Production and Natural Resource Management in Central West Africa". Funded by the SADAOC Research Foundation.
- A Socio-economic study within the project: Public- private partnerships for development and implementation of entomopathogenic viruses as bioinsecticides for key lepidopteran pests in Ghana and Benin, West Africa. In collaboration with International Institute of Tropical Agriculture, and Funded by Department for International Development, of the United Kingdom.

### **Al-Hassan, R. with Srofenyoh, F.**

- "Effects of Border Trade on Food Security". A SADAOC funded Short-term project

### **Amegashie, D.P.K.**

- Sponsoring Development Projects in the Lower Volta Basin.
- Farmer-Household Economy: Costs and Returns of Farm Families at Okyereko and Ashiaman Irrigation Sites.

### **Andah, E.K.**

- Dawhenya Rice Rehabilitation Project (In Progress: Final Stage). Poverty Alleviation and Economic Development in Ghana (In Progress).
- Economic Analysis of Integrated Crop Management Strategies for Plantain Production in Ghana.

### **Andah, E.K. with Mensah-Bonsu, A. and Green, K.**

- Economic Feasibility of Techniques for the Production of Clean Planting Material of Plantain in Ghana. (In Progress: final stage).

### **Andah, E.K. with Dankyi, A.A., Sanders, H., Morris, M. and Ahmed, M.**

- Economic Impact of Public Investment in Maize Research and Extension in Ghana, 1979-1997.

### **Asuming-Brempong, S**

- Sustainable food production in Central West Africa: Strategy and Policy Options in Sustainable Natural Resource Management. Funding Agency: SADAOC Foundation, Burkina Faso/Netherlands.
- Improving the Rural-Urban Nutrient Cycle through Peri-urban Agriculture.  
Funding Agency: The International Board for Soil Research and Management (IBSRAM), KNUST, Kumasi.
- Yam Conservation Project (Post-harvest handling and export).  
Funding Agency: Department for International Development (DFID), UK.

- Yam Conservation Project (Post-harvest handling and export).  
Funding Agency: Department for International Development (DFID), UK.
- Modelling the Production and Trade in Livestock in Western Africa.  
Funding Agency: USAID Linkage Funds through ILRI/IITA, Ibadan.
- Role of Agriculture (ROA) Project  
Funding Agency: Food and Agriculture Organization (FAO).

#### **Baah, K. O.**

- Economic Impact of Agricultural Research: Pineapples in Ghana.
- Co-operative Development in an Adjustment Era: The Case of Ghana.

#### **Fosu, K. Yerfi**

- Modelling the Effects of Trade Liberalisation Policy on Industry
- Trade Policy and the Demand for Sustainable Energy.
- Modelling Improved Technology Use, Replanting and Sustainability of Cocoa Production Systems.
- Trade Policy, Climate Change and Economic Growth.
- Dynamic Modelling of Deforestation Under Uncertainty.
- Technology Policy for National Resource Management in Ghana.
- Modelling the Effects of Sectoral and Macroeconomic Policies on the Hybrid Maize Industry in Ghana.
- Economic Modelling of the Linkages Between Global Warming, Water and Agriculture.
- Modelling the Diversification Behaviour of Cocoa Producers.
- Modelling Wealth, Intergenerational Transfer and Savings Behaviour of Cocoa Producers.
- Macroeconomic Policies, Agriculture, Development and the Environment.

#### **Mensah-Bonsu, A.**

- The Effects of Migration and Cash Crop Cultivation in Reducing Environmental Pressure (on-going).

#### **Sarpong, D. B. with Asante, V.O.**

- "Farm Size and Resource Use Efficiency: Technoserve and Pineapple Farmer Groups in Ghana", African Rural Policy Analysis Network (ARPAN/ WINROCK INTL.) Completed.
- "Policy Reforms and Food Market Integration in Ghana". Trade and Infrastructure Project. Réseau Ghanaien of the SADAOC Foundation. ISSER, University of Ghana. January 2001.

#### **Jatoo J.B.D.**

- A socio-economic study within the project entitled: "Development of Integrated Protocols to Safeguard the Quality of Fresh Yams". In collaboration with the Natural Resources Institute (UK), and Funded by the Crop Post Harvest Programme of the Department for International



Development, of the United Kingdom.

## **Conferences/Seminars/Workshops**

### **Al-Hassan, R.**

- Reseau Ghaneen National Conference on Research Outputs, held at Miklin Hotel, Accra. 30th – 31st January 2002. Papers presented were, (a) Effects of Cotton and Pineapple Production on Labour Allocation and Productivity. (b) Determinants of Cross-border trade in the Ketu District, Ghana.
- Stakeholder Workshop on Public-Private Partnership in the Development of Biopesticides in Africa. Organised by the International Institute of Tropical Agriculture, Bio-Control Division, Cotonou, Benin at Miklin Hotel, Accra on 27-28 February, 2002.  
Paper presented: The Pesticides sub-sector in Ghana.
- Crop Post-harvest Programme (CPHP) stakeholders' workshop on the formulation of coalition projects and development of regional themes" held at Miklin Hotel, Accra on the 27 March, 2002

### **Amegashie, D. P. K**

- Participated in Lower Volta Environmental Impact Studies(LVEIS) workshop organised by VRA/VBRP at Accra Conference Centre (August, 2001).
- Participated in Farm Management in Extension workshop in Accra-FAO Office (October 22-24, 2001).
- Participated in GLOWA Volta Policy Workshop organised jointly by Univ. of Ghana, CSIR, and Centre for Development Research (ZEF), Univ. of Bonn (July 18-19, 2002).

### **Andah, E .K.**

- Water Resources Management in Ghana - Seminar, Accra, Ghana. Paper: Economics and Financing in Ghana.
- Agricultural Growth and Development Strategy, 1997-2007 - Seminar, Accra, Ghana.
- Agricultural Innovation and Dynamics in the Eastern Region - ISSER Seminar, Legon, Accra, Ghana.
- Agricultural Services Sector Investment Programme - Workshop, Elmina, Ghana.

### **Asuming- Brempong, S**

- National Conference on Research Output of Reseau Ghaneen of SADAOC FOUNDATION, Miklin Hotel, Accra. January 30-31, 2002.
- International Conference on Curricula Development for PhD Programmes in Economics and Allied Subjects. Conference organized by the African Economic Research Consortium (AERC), Hilton Hotel, Nairobi, Kenya.

August 2002.

- Workshop on Ghana's Rice Industry organized by the Ghana Association of Agricultural Engineers, Tamale, Ghana, August 2002 (Invited as a Resource Person).
- Workshop on Roles of Agriculture (ROA) Project, organized by the Food and Agriculture Organization (FAO), Rome, Italy. September 2002.
- National Conference on Developing a National Vision for Ghana (organised by the National Development Planning Commission (NDPC)). Elmina Beach Hotel, Elmina, September 2002; and M-Plaza Hotel, Accra, October 2002.

#### **Fosu, K. Yerfi**

- International Conference on "The Future of Perennial Crops: Investment and Sustainability in the Humid Tropics," Yamoussoukro, Cote D' Ivoire, November 5-9,2001 (Session Chairman; Organiser of Two Sessions; Round Table Speaker; Presenter of Two Scientific Papers).
- UG/CIRAD France Workshop on Wealth and Intergenerational Transfer, Takoradi, Ghana. 2002 (Presenter of a Scientific Paper; Resource Person).
- CIRAD France Workshop on Cocoa Producer Diversification. 2002 (Presenter of Two Scientific Papers; Resource Person).
- GEF/World Bank International Workshop on "Climate Change, Water, Agriculture and Agro-ecological Systems," Cape Town, South Africa. 2002 (Presenter of a Scientific Paper).
- CIRAD France Regional Workshop on Sustainability and Competitiveness of Cocoa Production Systems, Accra, Ghana, 2002.

#### **Sarpong, D. B.**

- Workshop: SADAOC Trade and Infrastructure Group. Lome- Togo. Oct. 14-20, 2001. National Conference on Research Output of Reseau Ghaneen of SADAOC Foundation, January 30, 2002, Miklin Hotel, Accra. Paper: The Effect of Marketing Infrastructure on Cross-Border Food Trade: A Cross-sectional Case Study of Ghana. Training Workshop: World Bank/SISERA Poverty Training Workshop. GIMPA, Ghana July 2-10, 2002.

#### **Kwadzo G.T-M**

- Two day National Trade Debate to Introduce Trade Issues. August 6th – 7th 2002 at the Accra International Conference Centre.
- Participated in GLOWA Volta Policy workshop organized jointly by University of Ghana, CSIR, Centre for Development Research (ZEF), University of Bonn, July 18-19, 2002
- International Agricultural Trade Consortium Symposium on " The Developing Countries, Agricultural Trade and the WTO", Whistler, British Columbia, Canada. June 16-17, 2002

### **Jatoo J.B.D.**

- Crop Protection Programme (CPP) stakeholders' workshop, on the formulation of a Strategy for the Yam Programme held at Miklin Hotel, Accra on the 29-30 August 2002
- Paper presented: Constraints to and Prospects for the Development of Effective Producer - Exporter Linkages in Ghana's Yam export trade.
- Seminar for Project Collaborators and Yam Exporters to deliberate on "How to co-operate to improve upon the quality of fresh yams exported from Ghana and reduce losses in the Yam export trade" held at Irrigation Development Authority Training Centre (near Agricultural Engineering Services Directorate, MoFA), Accra, on 18th July, 2002

### **Publications**

#### **Al-Hassan, R., Egyir, Irene and Timpo, S.**

- (2002) Determinants of Cotton and Pineapple Production in Ghana: A paper submitted to SADAOC Research Programme.

#### **Al-Hassan, Ramatu with Baptist, J. and Jatoo, D.**

- (2002) Constraints and Opportunities for the Development of Biopesticides in Ghana. Research report presented to the International Institute of Tropical Agriculture (Biological Control Division), Cotonou, Benin.

#### **Al-Hassan, Ramatu with Poulton, C. et. al.**

- Cash Crops.

#### **Asuming-Brempong, S.**

- Land Management Practices and their Effects on Food Crop Yields in Ghana (with Ramatu Al-Hassan and Gyiele Nurah). August 2002. A paper presented to SADAOC Foundation Research Programme.
- Determinants of maize Yield in the Forest Zone of Ghana (with Benjamin Asare Bekoe). August 2002. A paper presented to SADAOC Foundation Research Programme.
- Food Self-sufficiency and Food Security in Ghana. September 2002. A paper presented to the National Development Planning Commission (NDPC), Accra, Ghana (as part of preparing a National Vision for Ghana).
- The Aveyime Rice Project: Financial Analysis. Department of Agricultural Economics & Agribusiness, University of Ghana, Legon, Accra. October 2002.

#### **Baah, K. O**

- Economic Impact of Agricultural Research: Pineapples in Ghana.
- Paper accepted for publication by Afro-Asian Journal of Rural Development

**Fosu, K. Yerfi**

- "Trade Liberalisation Policy and Cocoa Exports," in Future of Perennial Crops, edited by R.Y. Assamoi, et al., Montpellier, France, 2002. ISBN-2-87614-502-2. (CD ROM available).
- "Macroeconomic Policy, Cocoa and the Environment in Ghana", in Future of Perennial Crops, edited by R.Y. Assamoi, et al., Montpellier, France, 2002. ISBN-2-87614-502-2. (CD-ROM available).
- "Trade Liberalisation Policy and the Demand for Sustainable Energy", Journal of Consumer Affairs, forthcoming.
- Models for Resource Management, forthcoming.

**Mensah- Bonsu, A. with Green K. R., Adjei-Nsiah S., Andah E. K., and Afreh-Nuamah, K.,**

- "Economic analysis of integrated crop management strategies for plantain production in Ghana", In Picq, C., Foure E., and Frison, E. A. edition. Bananas and Food Security. Proceedings of an International Symposium held in Douala, Cameroon, 10-14 November 1998. International Network for the Improvement of Banana and Plantation, Montpellier, France. Pp. 707-717.

**Mensah- Bonsu, A. with Green, K.R., Mensah-Bonsu A., Adjei-Nsiah S. and Afreh Nuamah K.,**

- 'Farmer Perception of Integrated Crop management strategy for plantain production in Ghana' In Picq, C., Foure E., and Frison, E. A. edition. 1999. Bananas and food Security in. Proceedings of an International Symposium held in Douala, Cameroon, 10-14 November 1998. International Network for the Improvement of Bananas and Plantation, Montpellier, France. Pp. 697-705.

**Sarpong D.B. with Achel, D.S., and V.O Asante, V.O.**

- "Small Scale Farmer Attributes and Formal Agricultural Credit Lending Decisions: Implications for Rural Development in Ghana", Afro-Asian Journal of Rural Development, 34 (1), 2001, India. pp. 7-17.

**Extension Work****Al-Hassan, R.**

- Member of the National Council, of The Hunger Project – Ghana.  
Member, Council of University College of Education, Winneba.

**Andah E. K. with Asante, Y. and Mensah-Bonsu, A.**

- Cross-Sectoral Planning Group (CSPG) on Production, Technology and Competitiveness, National Development Planning Commission, Accra.

**Andah, E.K. et. al**

- Preparation of the Agricultural Services Sector Improvement Programme in

Ghana.

**Baah, K. O.**

- Member, CIDA Food Security Advisory Board Chairman, Akyem Bosome Rural Bank Ltd.
- Resource Person on Co-operative Development and Social Welfare.

**Fosu, K. Yerfi**

- Training of young scientists in the preparation of research proposals as well as the effective execution of research projects.
- Training of scientists on Economic Modelling.
- Teaching Canadian exchange students the following: 'Agriculture and the Rural Economy, Informal Financial Institutions, Poverty and Poverty Reduction, Ghana's Vision 2020, and Ghana's Structural Adjustment Programme.
- Teaching of exchange students from the United States of America the following: Economies in Africa, Economy of Ghana, ECOWAS, WTO, Ghana-US. Bilateral Economic Relations, inter alia.

**Amegashie, D. P. K with 6 other Senior Members**

- CIDA/MOFA Food Security Programme in the Eastern Corridor of the Northern Region of Ghana. Baseline Study Draft Report). May, 2002

**Asuming-Brempong, S.**

- Team member for a Baseline Study with the Ministry of Food and Agriculture under the Root and Tuber Improvement Programme (RTIP).
- Team Member for a Baseline Study under the MoFA/CIDA Food Security Programme in the Eastern Corridor of the Northern Region of Ghana.
- Member of the working group for developing a new vision for Ghana (2002) under the auspices of the National Development Planning Commission (NDPC), Accra.
- Board Member, Board of Graduate Studies, University of Ghana.
- Council Member, Legon Hall Council, University of Ghana.
- Member, Finance Committee, University of Ghana.
- Board Member. Board of Governors, St. John's Grammar School, Accra.

**Sarpong, D.B.**

- Part of a Team on a Baseline Food Security work in the Northern Corridor of Ghana for CIDA/MoFA, November 2001-May 2002
- Part of a 3-Man Team that designed and tested a Monitoring and Evaluation System for JICA/MoFA KR2 (Aid for Increase of Food Production) in Ghana, July 2002-September 2002.

**Kwadzo, G.T-M. with 6 other Senior Members**

- CIDA/MOFA Food security programme in the eastern corridor of the

- Northern Region of Ghana. Baseline study. May 2002-11-04.
- Financing small-scale agricultural trade in Ghana. Report prepared for FAO Regional office, Accra. March 2002
- Ghana's cocoa sector changes in the last decade. Report prepared for GTZ/MOFA. Accra. January 2002

## Awards

### Fosu K.Y. with others

- World Bank Research Award 2002.

### Fosu K.Y.

- French Ministry of Foreign Affairs Research Award, 2002.
- CIRAD France Research Award 2002.
- GEF/World Bank Travel Award 2002.
- FMFA, France Travel Award 2002.
- CIRAD France Travel Award 2002.

## DEPARTMENT OF AGRICULTURAL ENGINEERING

### Overview

The Department of Agricultural Engineering provides training, research and extension services in Agricultural Engineering to meet the challenges of increasing the quantity and quality of food, feed and fibers.

The activities of the department are grouped under the following Headings:

- Farm Power and Machinery Engineering.
- Soil and Water Engineering.
- Postharvest Engineering.

### Course

Courses are offered jointly with other departments in the following areas:

- M.Phil Ph.D. Soil and Water Engineering.
- 4-Year B.Sc. (Hons) Agriculture.
- 2-Year Diploma – General Agriculture.
  - Agriculture Engineering.
  - Postharvest Technology.

### Staff

Dr. Richard Jinks Bani	-	Senior Lecturer and Head of Department
Dr. Aliu A. Mahama	-	Senior Lecturer
Dr. Malcolm N. Josiah	-	Lecturer
Dr. Eric Kra	-	Lecturer
Mr. Mahama Seidu	-	Senior Lecturer (On Contract)
Dr. S. Abenney-Mickson	-	Lecturer (On Study Leave)

### **Junior and Senior Staff**

Mr. Joshua Peki	-	Chief Technician
Mr. David Ayikwei	-	Principal Technician
Mr. Anthony Amepome	-	Senior Technician
Ms. Stella Kwami	-	Senior Administrator Assistant
Mr. Adotey Akwei	-	Assistant transport Officer
Mr. Samuel Younge	-	Laboratory Technician
Mr. Emmanuel Obeng	-	Senior Department Assistant
Mr. Abraham Tetteh	-	Senior Department Assistant
Ms. Fauatina M. S. Agordah	-	Clerk Grade 1

### **Research**

#### **Bani, R.J. with Josiah, M.N.**

- Improved ice-less cooler for preservation of fruits and vegetables.

#### **Bani, R.J.**

- Non-destructive tests for quality assessment of fruits
- Energetics in animal buildings.

#### **Josiah, M.N.**

- Improved methods of preserving farm produce.
- Plant- soil -machinery relationship.
- Precision agricultural technology

#### **Mahama, A.A.**

- Animal traction technology development.
- Tillage systems and their appropriate use in agriculture.
- Livestock mechanization systems.

#### **Seidu, M.**

- Farm Building designs Manual -write up in progress. Notes on soil and water Engineering - on going.

#### **Kra, E.Y.**

- Plant – Soil -water relationships.
- Postharvest food loss reduction.
- Agricultural Instrumentation and Modelling.

### **Publications**

#### **Bani R. J., Balis J.S. and Gibson E. F.**

- (2002) Capacity Development for Increasing Agricultural. Productivity and Accelerating Income.
- Growth in Ghana. A needs Assessment Report Submitted to the Africa – America Institute.

## **Extension**

### **Seidu, M.**

- Assistance to Benson Agricultural Institute, Kpong, in the development of small-scale irrigation facilities at Okwenya.

## **DEPARTMENT OF AGRICULTURAL EXTENSION**

### **Overview**

The Agricultural Extension Department continues to emphasise Agricultural Extension, Rural Development and Poverty Alleviation, as the focus of its teaching, research and extension activities. The guiding perspective in all these has been an emphasis on bottom-up approaches to technology development and dissemination. In line with the above perspective a focus on appropriate mechanisms and organisational forms for enhancing equity in access to extension, appropriate technology, adaptive financial services, enhanced access to input and output markets, improved management of social amenities, increased critical awareness for human development have constituted aspects of the work in the department.

Our vision for the year under consideration, and the years ahead, is to evolve into a National Centre for Agricultural Extension and Rural Development Research and Documentation. To this end, efforts have been made to intensify the post-graduate programme and faculty research. Post-graduate students admission has increased from three students in 1993/94 academic year to between 8-10 from 1995 till now. Our greatest challenge with regards to our post graduate work has been the absence of substantive lecture / seminar room for the post-graduate work. At the undergraduate level, the department still does not have an audio-visual laboratory for training students, no vehicles to convey students for field practical in extension work. There is an urgent need for provision of post-graduate lecture / seminar room, audio-visual laboratory and vehicles for field extension work.

The department has currently undertaken a restructuring of its courses programme to make it more relevant to the changing needs of agriculture and rural development in Ghana. In the current year, we are developing a Short Courses Programme in the field of Extension and Rural development.

There were 6 full-time permanent lecturers instead of the required 9. Positions for 4 Research Fellows remain unfilled.

### **Courses**

The courses covered three levels - namely National Diploma, B.Sc. Agriculture, Post-graduate levels (M.Phil. and Ph.D.). At the B.Sc. and National Diploma levels, courses in Agricultural Extension and Rural Development continue to be core courses for all students.



## Student Numbers

### Ph.D.

Part I - 1

### M.Phil.

Part I - 2

Part II - 4

Part III - 5 (Yet to present their M.Phil.Thesis)

### B.Sc. (Hon) Agriculture

Level 400 - 48

Level 300 - 23

### Diploma In Agriculture

Diploma I - 72

Diploma II - 78

In addition, our courses continued to be taken by all under-graduate students of Department of Home Science, and some students from other departments and or schools in the university.

Academic areas covered are Introduction to Extension, Extension Programme Development, Extension Methods, Communication in Extension, Rural Sociology, Rural Development, Comparative Extension Systems, Education and Training, Gender Planning & Development, Management and Organisation, and Practical Extension. Additional areas for the Post Graduate level are Statistics for Development, Micro-Finance & Micro-enterprise Development, Theoretical Foundations of Extension and Research Methods. In addition, staff of the department continued to teach the Extension Management Course of the Diploma in Agricultural Administration, offered by the Ghana Institute of Management and Public Administration (GIMPA).

## Staff

### Senior Members

Vacant (1)	-	Professor
Vacant (2)	-	Senior Lecturer
Dr. Felix Y.M. Fiadjoe	-	Lecturer
Mrs. Vincentia N. Canacoo	-	Lecturer
Dr. Owuraku Sakyi-Dawson	-	Lecturer
Dr. Paschal B. Atengdem	-	Lecturer (Head of Department)
Mr. Ernest E. Ackah-Nyamike	-	Jr. Lecturer (Study Leave)
Mr. Seth D. Boateng	-	Lecturer
Vacant (2)	-	Lecturer
Vacant (4)	-	Research Fellows

### **Senior Staff**

Vacant (1)

Mr. James K. Madakena

Mr. Godfred B. Quarcoo

Chief Administrative Assistant

Principal Administrative Assistant

Assistant Transport Officer

### **Junior Staff**

Vacant (1)

Ms. Beatrice Manko

Mr. Frank Kumador

Clerk Grade II

Typist Grade I

Temp. Messenger/Cleaner

The courses of the Department were taught by five teaching staff. Two members of the department are on Study Leave.

### **Research**

#### **Fiadjoe, F.Y.M.**

- Information flow mechanisms into the Agricultural Extension System and its dissemination to its Publics.
- The nature of work done by the frontline staff of MoFA Extension as the basis for in-service training programme.
- Translating Research Findings into Learning Experiences for Framers
- Influence on Extension Delivery of Extension Groups : Experiences from the Field
- Lessons from Failed Introduced Agricultural Innovations in Ghana in the last 30 years.
- Indigenous Communication Practices : Lessons for Extension Delivery.

#### **Atengdem, P.B.**

- Effectiveness of group extension methods in Ghana (on-going)

#### **Ramatu-Alhasan, Canacoo, V., Srofenyoh, F.**

- Equity Implications of Reforms in the Financing and Delivery of Agricultural Extension Services in Ghana. Collaborative Research between University of Ghana/University of Reading, U.K., funded by Department for International Development (DFID), U.K. Policy Research Programme R6470 CA. June, 1998

#### **Boateng S.D.**

- Improving Cassava Processing in Rural Community in Afram Plains. 2001 Research Report prepared for African Rural Development Movement. Sponsored by French Embassy.
- Factors Affecting Maize Processing in Afram Plains 1999. Research Report prepared for Centre for Human Rights Initiative. Sponsored By Ford Foundation.

**Sakyi-Dawson, S.O. with McKemey, K. and Batchelor, S.J.**

- Displaced Person Domestic Energy – Demonstration Phase. Research Project Technical Report Prepared for the DFID, UK. London. April, 2002.

**Sakyi-Dawson, S.O.**

- Institutional Mapping of Service Providers in the Agricultural and Natural Resources Sector in the Wenchi District. Farming Systems of the Wenchi District, Technical Report Prepared for CARE International Ghana, July 2002.

**Sakyi-Dawson, S.O. with Holderness, M. et. al.**

- Factors affecting the uptake and Adoption of Rice Research Outputs in Ghana. In Hainsnorth, S.D. and Eden Green, S.J. (Ed.) (2000) Sustaining Change, Natural Resources International, UK.

**Sakyi-Dawson, S.O. with Offei, S.K.**

- Technographic Studies on Sorghum Industry in Ghana. Report of the Convergence of Sciences Research Project. University of Ghana / Wageningen University/ FAO Collaborative Project. August, 2002.

**Sakyi-Dawson, S.O. with Kudadjie, Comfort**

- Adoption of Improved Micro-Enterprise Technology and Changes In Performance of Rural Women's Roles among The Dangmes in Ghana. Paper presented at the 22nd Biennial Conference Of the Ghana Science Association at University of Cape Coast, Cape Coast 5-9th August 2001.

**Sakyi-Dawson, S.O. with Kusi-Boama, J.**

- Attributes of Improved Maize Varieties and Adoption in The Transitional Zone of Ghana. Paper presented at the 22nd Biennial Conference Of the Ghana Science Association at the University of Cape Coast, Cape Coast, 5th to 9th August 2001

**Sakyi-Dawson, S.O. with Offei, S.K.**

- Case Study of IPM/FFS in Rice in Ghana and its Implications for Convergence of Sciences. Convergence of Sciences Research Project. University of Ghana/Wageningen University /FAO. December, 2001.

**Extension Activities**

**Fiadjoe, F.Y.M.**

- Implementation Completion Report : Fisheries Sub-Sector Capacity Building Project (FSCBP, IDA-CR271G+) June 24, 2002-11-21

**Atengdem, P.B.**

- Evaluation and Programme Development for the Rural Integrated

- Literacy and Agricultural Development programme (RILADEP)
- Training of Trainers Workshop on Participatory Methodologies : MOFA/IFAD
- PRA Review Training for staff of the Min. of Food & Agric. (MoFA) working in the Roots & Tuber Improvement Project (RTIP) of MoFA-IFAD.

**Sakyi-Dawson, O. With Araba Sey and K. Ansu-Kyeremeh**

- Training Workshop on communication for Department of Community Development Staff, Level 1: Institute of Local Government Studies, Accra. 12-14 February, 2001-09-18.

**Sey, Araba and Ansu-Kyeremeh, K.**

- Training Workshop on Communication for the Department of Community Development Staff Level 2 : Community Development Training School Kwaso, Ashanti Region 12-16th March 2001.

**Boateng, S.D.**

- Training of Rural Women on Small Enterprise Development and Management with special reference to Food Processing Enterprises. Training was organised for 60 Women Food Processors in Afram Plains.
- Training of Farmers on the Management of Maize Storage Facilities. A One-week Training Programme organized for 50 Maize Farmers in Afram Plains.
- Training of Women Entrepreneurs on the Management of Small Enterprises. Special Emphasis on the Management of Piggery Projects. The programme was organized at Senya Breku.

**Publications**

**Fiadjoe, F.Y.M., Canacoo, V. and Manu, K.**

- Beneficiaries' Perception of the Village Infrastructure Project (VIP), May 2001.

**Atengdem, P.B.**

- Training Manual: Guidelines for Training Fieldstaff in PRA/PLA.
- Training Manual: Guidelines for Training Fieldstaff in "Mainstream Gender in Programme Activities".

**Conferences/Seminars/Workshops/Symposia**

**Fiadjoe, F.Y.M.**

- Ghana Science Association 8th Biennial Workshop, 4th September 2002. Bunso Cocoa College, Bunso
- Decentralized Strategy for Poverty Alleviation in Ghana, Training Workshop for Kwaebibirim District Assembly. Kade 9th June - 20th June 2002.

## **Boateng, S.D.**

- Post-Harvest Curriculum Review Workshop at Kumasi. July 30 - August 3, 2001-09-18
- USDA-Ghana Research-Extension Workshop at Elmina.

## **DEPARTMENT OF ANIMAL SCIENCE**

### **Overview**

The Department's activities during the year under review covered teaching, research and extension. These were carried out with enthusiasm and dedication. Teaching programmes covered Doctorate, Masters, Bachelors and Diploma levels. Senior Members continued to research into the various aspects of Animal Breeding, Physiology, Production, Nutrition and Health. Lack of buses, big enough to convey the large numbers of students to the Agricultural Research Stations (Legon) for practicals continued to hamper effective practical training. The Meat Laboratory and the Veterinary Clinic provided their usual services to customers from the University and its environs.

### **Courses**

1. Undergraduate Courses
2. Postgraduate courses
3. National Diploma in General Agriculture
4. National Diploma in animal Health

### **M.Phil and Ph.D Programmes**

1. Animal Breeding
2. Meat Science and Technology
3. Microbiology and Immunology
4. Animal Nutrition
5. Physiology
6. Pasture and Fodder Science

### **Student Numbers**

Ph.D	-	1
M.Phil	-	5
B.Sc. Level 400	-	2
B.Sc. Level 300	-	7
B.Sc. Level 200	-	80
B.Sc. Level 100	-	205
NDA (General) II	-	40
NDA (General) I	-	42
NDAH II	-	4
NDAH I	-	5

### Staffing Position

Professor	-	1
Associate Professor	-	3
Senior Lecturers	-	3
Part time Lecturers	-	3
Senior Staff	-	6
Junior Staff	-	7

### Research Activities

#### Aboagye, G.S.

- Characterisation of the West African Dwarf Goat on the Accra Plains.

#### Amaning-Kwarteng, K.

- Production, conservation and utilization of maize/pasture silos for dry-season supplementation in ruminants.
- Urea-molasses blocks as multinutrient supplements.
- Studies on Mucuna forage and grains : yield and effects on animal performance.
- Effect of processing and/or storage on nutrients composition of some non-conventional feedstuffs for ruminants.

#### Assoku, R.K.G.

- Tick-induced immunosuppression in cattle: the role of innate effector T cells.

#### Awotwi, E.K.

- Estimation of immunoglobulin levels in piglets.
- Behavioural studies in sheep and goats.

#### Awumbila, B.

- Bovine fasciolosis in Ghana.
- Towards addressing the problems in guinea fowl production in Northern Ghana.
- Identification of Animal Model for investigating the pathogenesis, prevention and treatment of mycobacterial ulcerans infection. (in collaboration with Noguchi Institute).
- Assessment of street food safety in the Ga District.

### Publications

#### Ahunu, B.K.; Osei-Amposah, R.; Osei, J.B.; Aboagye, G.S. and Kissiedu, H.W.A.

- Reasons for disposal in beef herds in Southern Ghana (submitted).

**Awotwi, E.K; Ametame, T.C.; Canacoo, E.A; Barnes, A.R. and Oppong-Anane, K.**

- (2002) Estimation of serum immunoglobulin concentrations in Large White and Ashanti Black piglets, using a refractometer. *Bulletin Animal Health Production* 48:219-213.

**Addo,P.; Dodoo, A.; Adjei, S.A.; Awumbila, B. and Awotwi, E.K.**

- (2002) Determination of the ovulatory mechanisms of the grasscutter (*Thryonomys swinderianus*). *Animal Reproduction Science* 71:125-137

**Adjorlolo, L.K.; Amaning-Kwarteng, K and Fianu, F.K.**

- (2002) Preference of sheep for two forms of mucuna forage and effect of supplementation on performance of sheep. *Tropical Animal Health and Production* (Scotland, UK) – (in Press).

## **DEPARTMENT OF CROP SCIENCE**

### **Overview**

The basic functions of the Department, namely teaching, research and extension were carried out as in previous years.

Teaching programmes were run for Doctorate, Masters, Bachelors and Diploma students. About 30% of the final year B.Sc. Agricultural students specialized in Crop Science. The postgraduate programmes continued to receive good patronage from both within and outside Ghana. The Department, in collaboration with the Department of Zoology (Faculty of Science) continued to teach the M.Phil. Entomology course under the Insect Science Programme. The National Diploma in Postharvest Technology (NDPHT) programme was also co-ordinated by the Department.

Academic staff in the Department participated in the Roots and Tuber Improvement Programme in the country (RTIP). In addition, staff continued to carry out their individual research, some of which were with external collaborators.

In the area of extension, most members maintained their involvement in public works and activities, thus promoting the image of the University. Most members of the teaching staff also attended conferences to interact and present their research findings.

In spite of many efforts made, the problems of the Department continued to be:

- Inadequate space for staff and increasing student numbers
- Inadequate tools and equipment, especially microscopes, computers and tractors for the University farm on campus.
- Unavailability of water in the University farm for student projects and also for other research activities.

## Courses

Courses offered at the undergraduate and postgraduate levels include:

- (i) Basic courses in Microbiology, Entomology, Plant Pathology, Genetics and Statistics Basic and advanced courses in Plant Physiology, Crop Production/Agronomy, Horticulture, Agro-forestry. Molecular Genetics, Breeding, Entomology and Pathology of various Tropical Crops.

## Students Numbers

Student enrolment in the various courses were as follows:

Ph.D.	-	2
M.Phil. II Crop Science	-	2
M.Phil. I Crop Science	-	2
Level 400 (B.Sc. Final Year)	-	5
Level 300 (B.Sc. Second Year)	-	18
Level 200 (B.Sc. First Year)	-	81
Level 100 (B.Sc. First Year)	-	181
NDA II (Diploma Final Year)	-	39
NDA I (Diploma First Year)	-	37
NDPHT II (Diploma Post-harvest Final Year)	-	16
NDPHT I (Diploma Post-harvest First year)	-	14

## Staffing Position

### Department

Professors	-	3
Senior Lecturers	-	3
Lecturers	-	2
Part-time Lecturers	-	3
Chief Technician	-	1
Principal Research Assistant	-	1
Principal Technicians	-	1
Research Assistant	-	1
Technician	-	2
Assistant Technicians	-	1
Technical Assistant	-	1
Senior Administrative Assistant	-	1
Senior Clerk	-	1
Typist	-	1
Driver	-	1
Messenger/Cleaner	-	1
Senior Headman	-	1
Headmen	-	2
Labourers	-	3



## **University Farm**

Technical Assistant	-	1
Tractor Operator	-	1
Senior Headman	-	1
Headmen	-	2
Labourers	-	2

## **Research**

### **Crop Production Research**

#### **Kumaga, F.K**

- The use of cover crops for weed control and maintenance of soil fertility.
- Developing the foundation for the application of a simulation model for groundnut in the Savannah Region of Ghana.
- Quantification of Nitrogen Fixation in the African yam bean (*Spheriostylis stenocarpa*)

#### **Norman, J.C.**

- Planting material studies on sweet potato
- Integrated nutrient management in sweet potato
- Preparation of a book on 'Tropical Floriculture'.
- The role of the landscape industry in sustainable environmental management.

#### **Danquah, E.Y.**

- Improvement of cocoyams using gamma irradiation, tissue culture and molecular markers - IATA Project
- Use of microsatellite markers in plant breeding and diversity studies

#### **Ofori, K.**

- Sabbatical Leave

#### **Ofosu-Anim J.**

- Leave of Absence

#### **Blay, E.T.**

- Sabbatical Leave

#### **Amoatey, C.A.**

- Study Leave

#### **Offei, S.K.**

- Study Leave

#### **Cornelius, E.W.**

- Study Leave

## **Crop Protection Research**

### **Ayertey, J. N.**

- Continued with research on the problem of Larger Grain Borer and its control in Africa.

### **Oduro, K.A.**

- Aetiology of diseases of crops especially citrus, cassava and tomato.
- Postharvest diseases of root and tuber crops especially Yam.

### **Boateng, B.A.**

- Effects of temperature and humidity on Stored Product protectants.
- Knowledge, Attitudes and Perceptions of farmers and traders in stored product pest management.
- Postharvest handling of stored products.

### **Obeng-Ofori, D.**

- Biopesticides for the management of storage and field pests of cereals, legumes, fruits and vegetables
- Post harvest losses in durable stored products
- Integrated management of agricultural pests
- Resistance of pests to insecticides and biopesticides
- Training of trainers for IPM Farmer field school and exporters of fruits and vegetables.

## **Conferences/Workshops/Seminars**

### **Ayertey, J. N.**

- BioNET International 3rd Global Workshop, Pretoria South Africa, 8-12 July 2002
- 1st WAFRINET Steering Committee Meeting, Cotonou, 28-29 January, 2002.

### **Norman, J.C.**

- International Horticulture Congress held in Toronto, Canada, 16th August, 2002. "Tropical Africa"

### **Oduro, K.A.**

- Attended Yam Quality Workshop, Accra, July 10, 2001

### **Kumaga, F.K.**

- Closing Workshop on DFID Project R7516: Bridging knowledge gap between soils research and dissemination in Ghana, CSIR Secretariat, Accra, 20th June 2001.
- Workshop on yam quality project. Bay View Hotel, Accra 10th July 2001.

### **Obeng-Ofori, D.**

- 22nd Biennial Conference of the Ghana Science Association, University of Cape Coast, August 5-9, 2001
- International workshop on Technographic studies on Convergence of Sciences Project, Menvic Hotel, Accra, Ghana, September 27-28, 2001.
- 5th African Crop Science Conference, Lagos Nigeria, October 21-26, 2001
- International Working Group Workshop on the Convergence of Sciences Project, Cotonou, Benin, March 23-29, 2002
- Stakeholder Review Workshop on Technographic studies on cocoa production in the Eastern Region of Ghana, Bunso Cocoa College, Ghana, April 11-12, 2002.
- International Postharvest Curriculum Review Workshop, Alcorn State University, Mississippi, USA, 23rd July - 20th August, 2002.

### **Boateng, B.A.**

- 22nd Biennial conference of the Ghana Science Association. August, 5-9 2001, University of Cape Coast, Cape Coast.
- FAO/GFAR Workshop on development of a regional strategy and concrete action proposals on Global Initiative Towards Strengthening of the Postharvest sector (GIPhT) Sept.17-21, 2001. Entebbe, Uganda.
- IFDC Training on "International course on systems approach and simulation modeling". Faculty of Agric., Univ. of Ghana, Legon. April 8-11, 2002.
- CTA Training Workshop on "Biometrics for Researchers of CSIR", Accra. July 8-19, 2002.
- Tuskegee University (USA) Training Workshop on "Risk Assessment SPS capacity Building in Sub-Saharan Africa", Accra. September 16-26, 2002.

### **Publications**

#### **Norman, J.C.**

- Mulching effects on growth, partitioning and yield of sweet corn, *Ghana J. Hort.* (In Press)
- A diagnostic survey of floricultural nurseries in Accra. *Ghana J. Hort.* (In Press).

#### **Oduro, K.A.**

- 2000 Checklist of Plant Pests in Ghana. Vol.1: Diseases. Plant Protection and Regulatory Services Directorate. Ministry of Food and Agriculture, Accra, Ghana. 105pp.

#### **Godonou, J.R.K., Oduro, K.A., Lower, C.J. and Afreh-Nuamah, K.**

2000. Field Evaluation of selected formulation of beauveria Bassiana for

**Kumaga, F.K., Marfo-Ahenkora, E. and Ofori, K.**

- (2001) Assessment of the potential of three leguminous cover crops for soil nitrogen improvement and weed control for young oil palm plantations. *Journal of the Ghana Science Association* Vol. 3 No.2, 15 - 23.

**Adiku, S.G.K., Olesen, J.E., Kumaga, F.K., Doquona, G.N. and Tonyigah, A.**

- (2001) Towards a seasonal Forecast of Groundnut yields in the Akatsi District of the Volta Region, Ghana. Farmer Survey Report, Department of Soil Science, University of Ghana, Legon 19pp.

**Dogbe, W., Fening, J.O., Kumaga, F.K. and Danso, S.K.A.**

- (2002) Maximizing the benefits of using mucuna on farmers' fields. *Tropical Sci.* 42, 87 - 91.

**Kumaga, F.K.**

- Variation in seed size, seed protein and tannin content of bambara groundnut. *Tropical Science.* 41, 100-103.

**Kumaga, F.K. Nuerthey, B.N., Ofori, K. and Asamoah, T.E.O.**

- (2001) Economics of intercropping food crops in oil palm for small-scale farmers. *Journal of the Ghana Science Association* (Accepted for publication-January 2001).

**Boateng B.A., Ayertey, J.N. and Meikle, W.G.**

- (2001). Population dynamics of *Prostephanus truncatus* (Horn) and *Sitophilus zeamais* Motschulsky in a traditional barn: The influence of maize variety and season. *Journal of Ghana Science Association* 3(3):62-69.

**Boateng B.A. Danquah, E.Y. and Barrett, J.A.**

- (2002). Evidence of natural selection in composite cross five (CCV) of barley. *Genetica* 115(2): 195-203.

**Boateng B.A., Blay, E.T., Danquah, E.Y., Ofosu-Anim, J. and Ntumy, J.**

- (2002). Effect of manure and/or inorganic fertilizer on the yield of shallot (*Allium cepa* var. *aggregatum*) *Advances in Horticultural Science* 16: 13-16.

**Boateng B.A., Danquah, E.Y., and Barrett, J.**

- (2002). Grain yield in composite Cross Five (CCV) of barley: Effects of natural selection. *Journal of Agric Science* 138(2): 71-76.

**Boateng B.A., Danquah, E.Y., Hanley, S.J.,**

**Brookes, R.C., Aldam, C. and Karp A.**

- (2002). Isolation and characterisation of microsatellites in *Echinochloa*

**Boateng B.A., Danquah, E.Y., and Barrett, J.A.**

- (2002). Hordein variation and reaction to powdery mildew in Composite Cross XLII of barley. *Genetica* 114(1): 81-87.

**Obeng-Ofori, D., Akakpo, A., Obeng-Ofori D. and Wilson, D.**

- (2001) The use of biopesticides to control insect as pests of papaya (*Carica papaya*). *Journal of Ghana Science Association* 3(3) 117-125

**Owusu-Ansah, F., Afreh-Nuamah, K., Obeng-Ofori, D. and Ofosu-Budu, K.G.**

- (2001) Growth promoting properties and yield effects of aqueous neem seed extract, boibit and karate on local garden egg (*Solanum integrifolium*) in the field. *Journal of Ghana Science Association* 3(3), 136-144.

**Obeng-Ofori D. and Akuamoah R.K.**

- (2001) Biological effects of plant extracts against the rice weevil *Sitophilus oryzae* in stored maize. *Journal of the of Ghana Science Association* 2(2) 62-69.

**Obeng-Ofori D. and Kelly M.P.**

- (2001) Managing pests of French beans (*Phaseolus vulgaris* L.) with a non-synthetic insecticide. *Journal of Ghana Science Association* 2 (3) 209-217.

**Obeng-Ofori, D. and Ankrah, D. A.,**

- (2002) Effectiveness of aqueous neem extracts for the control of insect pests of cabbage (*Brassica oleracea* var. *capitata* L.) in the Accra Plains of Ghana. *Agricultural and Food Science Journal of Ghana* 1, 83-94.

## DEPARTMENT OF HOME SCIENCE

### Overview

The current national concern with Poverty Reduction makes the Department's focus on preparing students towards improving the quality of life of the family even more relevant to Ghana's socio-economic development programmes. No doubt graduates of the Department are in high demand. The Department therefore, needs larger laboratories and, at least, one 60-seater bus for field practicals in order to sustain and even improve on the effectiveness of its programmes. These needs are absolutely urgent.

The staffing situation is still critical. Lecturers in the Department therefore carry heavy teaching loads. Even though one lectureship appointment is in the offing in the area of Family Resource Management and another applicant is to be considered for Home Science Extension, the dearth of lecturers in other disciplines still remains acute. In particular, replacements are urgently required for two experienced Senior

Lecturers whose post-retirement contracts expire at the end of this academic year.

Dr. Jean Steckle, one time lecturer in the Department, whose endowment of US\$33,000.00 forms the seed money for the STECKLE FOUNDATION to promote research in Nutrition, Food and Environmental Health in Home Science, is seriously sick. The Department craves the prayers of the University community for her rapid recovery.

### Courses

Courses were offered for the following programmes:

- M.Phil in Home Science - 2 year programme
- B.Sc. in Home Science - 3-4 year programme
- BA. With Home Science - 3-4 year programme
- National Diploma in Home Science - 2 year programme.

Sixty courses were taught covering areas in Food and Nutrition, Textiles and Clothing, Family Resource Management, Family Housing, Human Development and Child Studies, Consumer Studies and Home Science Extension. Elective courses offered were taken by a number of students, including foreign students, from other departments.

### Student Numbers

Two fresh post-graduate students were admitted to do M.Phil in Nutrition. Admissions into the various programmes were as follows:

#### Post-graduate

M.Phil Part III -	6
M.Phil Part I -	2

#### Undergraduate

Level 100 -	20
Level 200 -	14
Level 300 -	6
Level 400 -	9
Diploma	
Year I -	14
Year II -	22
	---
Total -	93
	==

### Staff

There were 5 full-time lecturers at post and one part-time tutor. Staffing position was as follows:

Mrs. Docea A.G. Fianu	-	Professor and Head of Department
Dr. (Mrs) Clara Opare-Obisaw	-	Senior Lecturer

Mrs. Nabilla Williams*	-	Senior Lecturer
Mrs. Edith Francois*	-	Senior Lecturer
Dr. (Mrs) Angelina Danquah	-	Lecturer
Dr. (Mrs) Laetitia Hevi-Yiboe**	-	Senior Lecturer
Ms. Christina Nti +++	-	Lecturer
Mrs. Rosemary Mills-Tetty	-	Part-time Tutor
Mrs. Agnes Amisshah	-	Part-time Tutor
* On Contract		
** On Stabbatical Leave		
+++ On Study Leave		

### Senior and Junior Staff

Chief Technician	-	1
Principal Administrative Assistant	-	1
Senior Departmental Assistant	-	1
Clerk Grade I	-	1
Messenger/ Cleaners	-	2
Nursery Attendant	-	1
Labourer	-	1
Total	-	8

### Research

Despite the heavy teaching load, staff were able to undertake research in various areas of Home Science.

### Supervised Research Project of Post-graduate and Undergraduate Students

- Food Habits of Early Adults: A case Study of Women in Anfoega Akukome.
- Gender Roles of Spouses and Their Interaction Patterns: A Case Study of Oyoko in Ashanti Region, Ghana.
- The Effectiveness of a Solar Box Cooker on Cassava.
- Insecticide Contamination of Tomatoes Produced at Yonso in the Sekyere-West District of Ashanti.
- Sources of Sex Information Among Senior Secondary School Students at Takoradi Secondary School, Ghana.
- The Influence of Advertisements on the choice of processed food, drinks and beverages by adolescents.
- Economic Status of Farm Families in Chereponi Community after Marketing Their Farm Produce.
- A Study of The Awareness of Hygienic Practices of Street Food Vendors in Madina, Accra.
- The Effect of Sunlight and Drying Methods on the Strength of Real Wax Cotton Prints.
- Effects of Agricultural Activities of Rural Women on the Soil Water Bodies and the Vegetation In Sota In the Greater Accra Region.
- Assessment of Ergonomic Practices in Garment Production Workshops and their Impact on Output in Madina, Accra.

- Financial Management Practices of Household in the Asogli Traditional Area of the Ho District.
- A Comparative Study of Time Management Practices Among Dagaaba Households in Akoro and Jirapa.
- An Economic Evaluation of Upaid Household Work of Women in Ghana: Focus on the Ho District.
- Body Sizes of Ghanaian Female Students at the University of Ghana, Legon.

Ms. Elizabeth Ba-Ama, Mrs. Augusta Adoley Ayertey and Ms. Comfort Agblometi have successfully completed their M.Phil Programmes. It is hoped that they may decide to join the staff in the Department. On behalf of the staff and students and on my own behalf, I congratulate them and wish each one the best in the days ahead.

### **Publications**

#### **Opare-Obisaw, C.**

- Abstract: Nutrition and Reproduction, In Summary of the Proceedings of Workshop on Sociocultural Dimensions of Reproductive Health and Human Development. By Institute of African Studies and School of Public Health, University of Ghana. June, 2002, p 17.

### **Conferences/Workshops and Seminars Attended**

#### **Opare-Obisaw, C.**

- West Africa Nutrition Focal Points Meeting, Accra. 24th to 28th September 2001.
- Participant - Seminar on Sociocultural Dimensions of Reproductive Health and Human Development. 27th -29th June, 2002 University of Ghana. Paper Presented: "Nutrition and Reproduction".
- Participant - Workshop on WHO Multicentre Growth Reference Study (WHO MGRS, Ghana Site) October 24th, 2001, Accra.
- Attended Seminar on Breastfeeding during Pregnancy. Nutrition and Food Science Department, University of Ghana, Legon, 13th August 2002.

#### **Fianu, D.A.G.**

- Ghana Home Economics Association (GHEA) Conference on the theme: Well Mother, Well Baby. Venue: GIMPA in April 2002.
- GHEA Workshop on the theme: Well Mother, Well Baby. GIMPA in March 2002.

### **Extension Work**

#### **Opare-Obisaw, C.**

- Member of Asuogyaman District Forum Planning Committee 6th April, 2002 to date.
- Visited College of Family and Consumer Sciences, University of Georgia,



U.S.A. to update on current trends in Home Economics and related fields  
16th May, 2002.

- Team member of Television Documentary on Labelling Requirements for Vegetable Oils- What the Producer and Consumer should know. A public Education Programme. June, 2002. Accra.
- Delivered a lecture on "Etiquette and Manners" to the youth at the Covenant Presbyterian Church at Dzorwulu, Accra 3rd July, 2002.
- Served as Consumer Representative on a Television Programme [Agenda] on the Role and Activities of the Ghana Food and Drugs Board in ensuring Consumer Health and Safety. 17th July, 2002.
- Continued serving on Presbyterian University Implementation Committee.
- Member of planning committee for Volta Hall S.C.R. Awards Night. May 2002.
- Patron and Sunday School Teacher of Junior Youth Class at Dzorwulu Covenant Presbyterian Church. Accra.

#### **Fianu, D.A.G.**

- Chairman, Committee for 2000/2001 Examination Malpractices.
- Senior Tutor, Volta Hall
- Member, Volta Hall Management Board.
- Member, Volta Hall Council.
- Patron, Home Science Students Association (HOSSA)
- External Examiner, Dept. of Voc/Tech Education, University of Cape Coast, Cape Coast.
- External Examiner, Dept. of Home Economics, UCEW.
- Member, Textiles and Clothing Questions Moderating Committee For SSS for WAEC.
- Board Member, Kadjebi-Asato Secondary School, Kadjebi.
- Member of Board of Directors, Ghana Supply Commission (GSC).
- Chorister, Catholic Parish, Legon.

#### **Danquah, Angelina O.**

- Honorary Coach, Legon Amalgamated Clubs.

## **DEPARTMENT OF SOIL SCIENCE**

### **Overview**

The Department of Soil Science continued to focus on teaching and research in basic as well as applied aspects of Soil Science. The Department has reviewed both its undergraduate and postgraduate programmes and included new environment-related courses. The Department also made a proposal for a change of name from Soil Science to Soil and Environmental Sciences. However, the Academic Board of the University did not approve this new name. The Department is reviewing the name and will make a new proposal in due course.

## Courses

The Department continued to offer Soils Science courses to Diploma, B.Sc. and MPhil. Students. Eight main disciplines of Soil Science are taught, namely, (i) Pedology, (Soil Genesis, Classification), (ii) Soil Physics and Conservation, (iii) Soil Biochemistry, (iv) Soil Microbiology, (vi) Soil Mineralogy, (vii) Soil Chemistry and Fertility and (viii) Soil-Plant-Water Relationships. Increasingly, Agricultural Systems Analyses and Modelling concepts are being introduced at Graduate levels.

## Students Numbers

During the period under review the statistics of students are as follows:

NDA I	-	-	-	40
NDA II	-	-	-	7
B. Sc. Agriculture Level 100	-	-	-	200
B. Sc. Agriculture Level 200	-	-	-	101
B. Sc. Agriculture Level 300	-	-	-	14
B. Sc. Agriculture Level 400	-	-	-	3
MPhil Soil Science Part I	-	-	-	1
MPhil Soil Science Part II	-	-	-	4
PhD	-	-	-	2

## Research

The Department continued to conduct research in all the major disciplines of Soil Science. Soil Chemistry research continues to focus on integrated nutrient management using poultry and other animal droppings to augment the release of phosphorus from Togo Rock Phosphate. The establishment of Pedo-transfer functions and the calibration/application of crop models were major research activities in the area of Soil Physics. Biological Nitrogen fixation continues to attract research attention. The effect of pesticides on rhizosphere micro-organisms is also being researched. The Department has collaborated with the IFDC-Africa and with the Danish Institute of Agriculture Sciences (DIAS) in the area of soybean and groundnut modelling. The Department submitted a number of research proposals to both National and International Funding Agencies including (i) Treatment and use of sewage water for peri-urban vegetable production (AgSSIP, Ghana) and (ii) Evaluation of the low-pressure drip (LPD) system for irrigation at Ashaiman (US-Israel). So far, the LPD proposal has been approved and the Department will benefit from \$ 99, 000.00 research fund over a period of 3 years (2002 – 2005).

## Staff Strength

Staffing improved both in quality and quantity during the period under review. Two Lecturers, Dr. (Mrs.) S. Asuming-Brempong and Dr. M.K. Abekoe have been promoted to Senior Research Fellow and Senior Lecturer respectively. One young Lecturer, Dr. E. Nartey, has also been appointed to the Department to teach and conduct research in Soil Chemistry. There were also some changes in our Administrative and Technical Staff positions. The current Staff Strength is as follows:

## Teaching and Research Staff

S.G.K. Adiku - Senior Lecturer/Head of Department  
*BSc (Agric (Ghana) MSc.*  
*(TU Berlin) PhD (Griff)*

\*K.B. Laryea - Professor  
*BSc (Agric (Ghana) MSc. (Sydney)*  
*PhD (Guelph)*

S.K.A. Danso - Professor  
*BSc (Agric (Ghana) MSc (Cornell)*  
*PhD (Cornell)*

\*\*E. Owusu-Bennoah - Associate Professor  
*BSc (Agric (Ghana) MSc (Ghana)*  
*PhD (Reading)*

\*J. K. Amatekpor - Associate Professor  
*BA (Ghana) MSc (Gent) PhD (Cornell)*

G.N.N. Dowuona - Senior Lecturer  
*BSc (Agric) (K'si) MSc (Ghana)*  
*PhD (Sask)*

S. Asuming-Brempong - Senior Research Fellow  
*BSc (Agric) (Ghana)*  
*MSc (Philippines)*  
*PhD (Michigan State)*

M.K. Abekoe - Senior Lecturer  
*BSc (Agric) (Cape Coast) MPhil*  
*(Ghana) PhD (Sask)*

T. A. Adjadeh - Lecturer  
*BSc Agric (Ghana),*  
*MSc (Iwate) PhD (Iwate)*

E.K. Nartey - Lecturer  
*BSc (Agric) (Cape Coast)*  
*MPhil (Ghana)*  
*PhD (Ehime)*

\*On contract

\*\* On Leave

## Administrative Staff

Ms. C. Agbezudor - Principal Administrative Officer

***Ms. N.A. Lassey	-	Administrative Assistant
***Mrs. B. Zaukunu	-	Secretary Grade I
Ms. J. A. Darku	-	Messenger/Cleaner
Mr. C.K. Asagba	-	Assistant Transport Officer

### Technical Staff

Mr. J. Natenor	-	Principal Technician
Mr. B. Anipa	-	Chief Technician (adjunct with VBRP)
Mr. C. Adu	-	Technician
Mr. V. Adusei	-	Technician
Mr. M. Aggrey	-	Technician
Mr. D. Nkansah	-	Technician
Mr. G. Aboagye-Addo	-	Assistant Technician G1
Mr. R. Sowokey	-	Technician Assistant
Mr. R. Adjei	-	Groundsman
*** On study leave		

### Benefactors

The Department received one computer, some laboratory equipment and books as donation from Dr. C. Sagoe, one of the former students, currently in Japan. Another former student, Mr. Kyeremeh, currently studying for Ph.D. in the USA donated some books to the Soil Science Library. We are very grateful to our Alumni for the gesture. The Danish Institute of Agriculture Sciences (DIAS), which has supported the groundnut project, has also donated one computer to the Department to support crop modelling research. Dr. P.W. Unger of the University of Texas, Amarillo Agricultural Research Station, USA has donated a backlog (1976 – 2000) of Soil Science Society of America Journals to the Department. Dr. B. Vanlauwe of the Tropical Soil Biology and Fertility Project, Belgium, also donated some books and other reading materials to the Department. The Department is very grateful to its benefactors.

### Publications

During the period under review, the following papers have either been published or accepted for publication in scientific journals.

#### Abekoe, M. K. and K.L. Sahrawat

- (2002), Long-term cropping effect on phosphorus fractions in an Ultisol of the humid forest zone of West Africa. Comm.. Soil Science Plant Anal. (Accepted for publication in January 2003 in Vol. 34).

#### Adiku, S.G.K.

- (2002) Uptake by Plant Roots In: B.A. Stewart and T Howell (eds.) Encyclopaedia of Water Science, First Edition, Pub., Marcel Dekker Inc. NY, USA. (In Press).
- (2002). Uptake by Plant Roots: Modelling Water Extraction. In: B.A. Stewart and T. Howell (eds.) Encyclopaedia of Water Science First

**Amatekpor, J. K.**

- Effects of the Volta dam on the properties of two soil series in the Lower Volta floodplain in Ghana. Ghana Journal of Agric. Science, 30:171-179.

**Amatekpor, J. K., Gordon, C., Koranteng, K. K. and Annang, T.**

- (2001). Morphology and Classification of Amo Series in the Lower Volta Floodplains Proceedings of the Int. Conf. On Managing Soil Resources of the Tropics. SARI, Tamale, Feb. 26-March 2, 2001. (With Dorgbetor, W, K. and Dowuona, G.N.N.) (In press).

**Dowuona, G.N., Adiku, S.G.K, Antwi, F., Boateng, E. and Amekugbe, S.**

- (2001). The Nature and improvement of some Salt affected Soils in the Coastal Savanna Zone of Ghana. P.254-262. In: M. Mashahi (Editor) Proceedings, 2nd MADS/SEA Network meeting, Publications Division. FAO, Rome.

**Afreh-Nuamah, K., Ahiekpor, E.K.S. Adjadeh, T.A. and Ando Mensah, F.**

- (1999). Studies on the fertilizer requirements of late Valencia sweet orange. Preliminary results. Journal of Ghana Science Association, 2:93-97.

**Atsivor, L., Dowuona, G.N. and Adiku, S.G.K.**

- (2001). Farming system induced variability in the properties of some soils in the Sub-human zone of Ghana. Plant and Soil, 36:83-90.

**Fening, J.O., Dogbe, W. and Danso, S.K.A.**

- (2001) Assessment of the potential to improve N fixation by cowpea (*Vigna unguiculata* (L) Walp) in Ghanaian soils. Amer. J. Alternative Agric. 16: 57-65.
- Fening, J.O. and S.K.A Danso (2001). Response of cowpea to inoculation with indigenous Bradyrhizobium strains.
- Fening, J.O. and S.K.A Danso (2002). Variation in symbiotic effectiveness of cowpea bradyrhizobia indigenous to Ghanaian soils. Appl. Soil Ecol. 21: 23-29.

**Sahrawat, L., Abekoe, M.K. and Diatta, S.**

- (2001) Application of Inorganic Phosphorus Fertilizer. In: W. A. Dick, J. L. Haffield and D. M. Kral, SSSA Special Pub: Number 58. Madison, Winsconsin, USA. Pages 225-246. ISBN 0-89118-838-X

**Conferences/Seminars/Workshops Attended**

During the period under review, Senior Members participated in the following seminars or workshops:

**Abekoe, M.K.**

- International Workshop on Technographic studies on Convergence of Science held at Cotonou, Benin. 23-29 March, 2002.
- International Workshop on Convergence of Science. Mensvic Hotel, Accra. 30th Oct. 2002.
- 10th Congress of the All African Biological Nitrogen Fixation Conference, GIMPA, Accra, 28th Oct-1st Nov 2002.

**Adiku, S.G.K.**

- Nutrient Management Support Systems, Lome, Togo, 12-15 March 2002.
- Advanced Training Institute on Climate Variability and Food Security, Palisades, New York, USA. , 8-26 July, 2002
- International Workshop on Systems Analysis and Modelling in Agriculture, University of Ghana, Legon. 13-16 August 2002.

**Adjadeh, T.A.**

- International Workshop on System Analysis and Modelling in Agriculture. Accra, Ghana, August 13-16, 2002.

**Amatekpor, J.K.**

- National Conference on Lower Volta Environmental Impact Studies. Int. Conf. Centre, Accra, Aug. 30, 2001.
- International Conference on Managing Soil Resources of the Tropics. S ARI, Tamale, Feb. 6-March 2, 2001.

**Assuming-Brempong, S.**

- 10th Congress of African Association for Biological Nitrogen Fixation in Accra Ghana. 28th Oct-1st Nov 2002

**Dowuona, G.N.N.**

- Annual Conference, Soil Science Society of Ghana, Tamale, Ghana, March, 2001.
- First Agricultural Modelling Workshop. CSIR Accra, September 21, 2001.
- International Workshop on systems Analysis to modelling in Agriculture, August, 2002 University of Ghana Legon.

## **AGRICULTURAL RESEARCH STATION, KADE**

**Overview**

Nine research officers, comprising seven officers and two on post retirement contract are at post during the period. Mr. Collison Brentu was appointed Research Officer. Prof. F. K. Fianu was also appointed on post retirement contract. Mr. S. Adjei-Nsiah a Research Officer was granted a study leave to pursue a Ph.D. programme. The Netherlands Government is sponsoring this programme.

The step-down transformer at the station was destroyed by lightning, and has been replaced. The decoupling of the electricity from the offices and residential areas has started. An amount of 180 million cedis has been used for the purchase of electrical cables and wooden poles.

## **Research Activities**

### **Afreh-Nuamah, K.**

- Use of Soil Amendment Practices in the Management of Insect Pests of Crops (Both Field and Plantation Crops).
- Use of Neem as an Environmentally Friendly Insecticide.

### **Ofosu-Budu, K.G.**

- Citrus rootstock/scion interrelationships
- Post harvest studies on citrus fruits
- Seasonal changes in fruit quality of citrus in Ghana
- Recycling of organic wastes for crop production
- Agronomic and post harvest studies of rice in the forest region
- Variation in yield and fruit quality of rambutan in Ghana

### **Hotsonyame, G.K.**

- Production of Plantains and Bananas in Sekondi-Takoradi Peri-urban region of Ghana. Sponsored by INIBAP
- Improvement of the Reduced Fallow System for Sustainable Food Crop Production and Natural Resource Management with Tropical Legume Covers.
- Integration of Plantain with Herbaceous Legume Species For Sustainable Plantain Production System

### **Osei, J.K.**

- Establishment of Delivery System for IITA-bred and Local Plantain Cultivars (Supported by Gatsby, A British Non-governmental Organization)
- The Use of Micro propagation to Improve Cocoyam Production (Supported by AgSSIP)

### **Nkansah, G.O.**

- Establishment of mango museum
- Fruit analysis of different mango varieties
- Effect of different fertiliser rates on growth, yield, fruit quality of mango.
- Establishment of Avocado pear museum
- Raising of seedlings for sale of farmers
- Evaluation of different pepper lines for their morphological and yield characteristics
- Evaluation of soybean in the forest ecological zone of Ghana
- Effect of carbonated rice husk on growth and yield of onion and carrots
- Effect of NutriSmart, an organic fertiliser on growth and yield of pepper, rice, rubber and citrus.

- Effect of grafting on improvement of tomatoes
- Effect of foliar nutrition on growth, yield and fruit quality of some vegetables
- Breeding for heat tolerance in tomatoes in Ghana

#### **Fianu, F.K.**

- Seed Production in *Stylosanthes hamata* cv. Verano.
- Propagation and use of browse plants.

#### **Brentu, F.C.**

- Establishment of Plantain Germplasm.
- The Use of Organic Manure to Control Plantain Nematodes.
- Study of Some Important Diseases of Citrus and the Development of Sustainable Control Measures.

### **Extension Activities**

#### **Ofosu-Budu, K.G.**

- Agronomic and Post harvest training in rice for farmers in the Kwaebibirem, Birim North and South districts
- Training farmers in agronomic and post harvest practices in citrus
- Member, Board of Faculty of Agriculture
- Member, Board of Management of Agricultural Research Stations
- Member, MOFA /AgSSIP Oversight Committee on Tree crop
- Member, MOFA/AgSSIP Oversight Committee on Vegetable

#### **Afreh-Nuamah, K.**

- Member of Ghana-FAO mission termed the Growing Connection - IT/ Extension Pilot Project for Ghana. This mission was undertaken between 4-11 December 2002 to explore the use of Information technology (IT) in the delivery of the Special Programme for Food Security (SPFS)
- Cocoa ICPM/FFS Validation trials around the Kakum National Park.
- Resource person/Facilitator in the training of Extension Officers and farmers in the Integrated Production and Pest Management.
- Member, Academic Board
- Member, Board of Faculty of Agriculture
- Member, Board of Faculty of Science
- Member, Board of Management of Agricultural Research Stations

#### **Osei, J.K.**

- Supply of Citrus Seedlings to Farmers through ADRA-Ghana.
- Monitoring of ADRA-Ghana Citrus Farmers' Farms.
- Zonal Co-ordinator for MOFA on Root and Tuber Improvement Programme.
- Member, Valley View University Board
- Member, ADRA-Ghana Board



**Hotsonyame, G.K.**

- Training farmers in Improved Materials of Plantain Production.

**Conferences/Seminars**

**Ofosu-Budu, K. G.**

- 10th Congress of African Association for Biological Nitrogen Fixation, GIMPA, Accra Ghana. 28th Oct-1 Nov. 2002.

**Hotsonyame, G.K.**

- 10th Congress of African Association for Biological Nitrogen Fixation, GIMPA, Accra Ghana. 28th Oct-1 Nov. 2002

**Osei, J. K.**

- 1st National and Tuber Improvement Workshop. Kumasi. Nov. 18-22, 2002

**Publications**

**Owusu-Ansah, F., with Afreh-Nuamah, K.,**

**Obeng-Ofori, D. and Ofosu-Budu, K.G.**

- (2002) Managing Infestation Levels of major insect pests of garden eggs (*Solanum integrifolium* L) with aqueous neem seed extracts. *Journ. GSA*. Vol.3. No.3 pp85-91

**Owusu-Ansah, F., Afreh-Nuamah, K., Obeng-Ofori, D. and K.G. Ofosu-Budu**

- (2002) Growth promoting properties and yield effects of aqueous neem seed extracts, biobit and Karate on local garden eggs (*Solanum integrifolium* L) in the field. *Journal Ghana Science Association*. Vol.3 No.3 pp.136

**Brentu, F.C., Speijer, P.R., Green, K.R., Hemeng, B.M.S. & Afreh-Nuamah, K.**

- (2002). Effect of Treatment of Planting Material on the Growth and Yield of Plantain. *Ghana Journal of Horticulture*. Vol.1.

**Osei, J.K.**

- The use of Micropropagation to Improve Cocoyams. Presented at RTIP Workshop, K'si. Nov. 2002.
- Rapid Field Propagation of IITA-Bred Musa Cultivars Using Coconut water. *MusAfrica* (In Press).

**Ofosu-Budu K. G. and Adamptey**

- (2002). Yield, nutrient uptake and fruit quality of tomato as affected by compost application. *Ghana Journal of Horticulture*. (in press)

**Fujikawa, Y., Sakurai, N., Oka, T., Yamana, H.,**

**Ofosu-Budu, K.G., El-Shemy, H. and Fujita, K.**

- (2002). Sugar metabolism in expanding husk leaf of flint corn (*Zea mays* L)

genotypes differing in husk leaf size. *Journal of Agriculture Science* (in press).

**Ofori-Anim J., Ofori-Budu K. G., Blay, E.T. and Ofori, S.K.**

- (2000). Effect of transplanting seedlings in compost on yield, fruit quality and incidence of wilt diseases in tomato (*Lycopersicon esculentum* Mill). *Adv. Hort. Sci* 14, 143-146.

**Nkansah, G. O., Owusu, E. O., and Dennis, E. A.**

- (2002) Effect of mulch types of growth, yield and fruit quality of tomato (*Lycopersicon esculentum* mill). *Ghana Journal of Agricultural Science* (Paper Accepted)

**Nkansah, G. O.**

- (2002) Some physiological features of the African eggplant, *Solanum aethiopicum* group 'gilo'. *Science Horticulture*.

**Nkansah, G. O., Owusu, E. O., and Bonsu, K.O.**

- (2002) Effect of some foliar nutrients on growth, yield and fruit quality and agronomic indicators of tomato. *Ghana Journal of Horticulture*. Vol. 1: 24-29.

**Nkansah, G. O., Schippers, R.R., Orchard, J.E., Bonsu, K. O. and Owusu, E. O.**

- (2002) Developing garden-egg cultivars in Ghana. *Ghana Journal of Horticulture*. Vol. 1: 45-49.

**Adjorlolo, L. K., Amaning-Kwarteng, K, and Fianu, F. K.**

- (2001). "In Vivo Digestibility and Effect of Supplemental Mucuna Forage on Treated Rice Straw Degradation". *Small Ruminant Research* 41 (2001): 239 - 245.

**Fianu, F. K., Dzierzgor, A., Amaning-Kwarteng, K., Amegashie, D., Opong-Anane, K., Fynn, K. Nyarku, O., Amankwa Atta, A., and Timpong-Jones, E.**

- (2002). "Effect of Herbage Harvesting on Seed Yield in *Stylosanthes Hamata* Cv Verano". Unpublished Manuscript 12 Pp.

**Fianu, F. K.**

- (2002) "The Dilemma of Tropical Africa in the Pursuit of Sustainable Agriculture: The Human Factor" 2nd International Conference on Sustainable Agriculture for Food, Energy and Industry. Beijing, China. September 8 - 13, 2002.
- (2002) "ZERI: An Ideal Concept for Sustainable Agriculture" 2nd International Conference on Sustainable Agriculture for Food, Energy and Industry. Beijing, China. September 8 - 13, 2002.

### **Visitors to the Station**

- RTIP Review Mission - to inspect RTIP Projects, February 13, 2002.
- Oda Secondary School – Educational Visit, February 15, 2002.
- Mfantsiman Girls Secondary School – Field Trip, February 7-15, 2002.
- St. John's Grammar School, February 28, 2002.
- Tema Parents' Association School – Educational Tour, March 21, 2002.
- Odorgonno secondary School – Field Trip, April 11, 2002
- West Akim District Plantain Farmers, April 17, 2002
- Gen. Sec. Of Christian Council of Churches, April 23, 2002.
- Presbyterian Women's Training College – Field Trip, May 15, 2002.
- Ecumenical Association for Sustainable Agriculture and Rural Development (ECASARD) – V/R. Educational Trip, July 10, 2002.
- Achimota School – Farm Visit, July 12, 2002.
- Presbyterian Church of Ghana, Akokoaso District, Field Trip, September 7, 2002
- GES (Kwaebibirim STME Clinic for Girls) Educational Trip, September 12, 2002.
- Ghana International School, Accra – Studu trip, October 25, 2002.
- Kwaebibirim Ahenfo Kuo, Chiefs of the Kwaebibirim District – Familiarization Tour, October 25, 2002.
- Suhum Presby secondary School – Field Trip, November 29, 2002.
- Delegation from Sierra Leone Headed by Dep. Minister of Agriculture, November 22, 2002.
- Aburi Presby Women's training College – Field Trip, December 13, 2002.
- The Methodist Church-Ghana, Akim Oda Diocese, December 18, 2002.
- Benkum Secondary School – Educational Trip, February 20, 2002.
- St. Thomas Aquinas secondary School – Field Trip, February 27, 2003.

### **Income Generation Activities**

- 120,000 citrus planting materials (Late Valencia / Rough lemon) have been raised for sale to farmers through ADRA Ghana.
- 30,000 plantain suckers have been raised for farmers. Materials will be ready by April/May.

## **AGRICULTURAL RESEARCH STATION, KPONG**

### **Overview**

The Agricultural Research Station, Kpong (ARS, Kpong) continued its research activities on the selection of Rice cultivars suitable for the irrigated ecology. The main aspects of the work on Rice have been to expand the germplasm bank of Aromatic rice and establish their adaptation to the local conditions. In addition to the research on rice, studies have also continued on the establishment of permanent Tree Crop/Food Crop production systems. These include intercrops of:

- Mangoes with maize and cowpea

- Citrus with maize legumes and vegetables

Dry season vegetable cultivation with sprinkler irrigation has also been reviewed as an income generation venture.

Work started in October 2002 on the construction of a micro-dam to harvest rainwater for small-scale irrigation. This is a collaborative study between ARS, Kpong and Kyoto University, Japan. The research budget is mostly supported by the grant-in-aid for scientific research provided by the Ministry of Education Culture, Sports, Science and Technology (MECSST), Japan. Scientists from Kyoto University have paid several working visits to the project since July 2001. Through this project a number of scientific equipment have been donated to the Station and have since been installed. These include:

- An Automatic weather station (weather robot)
- A Cone penetrometer
- A Double falling-head permeameter
- A Notebook personal computer/accessories and
- A Canon photocopier

### **Staff**

The staffing position during the year was: -

Research Officers: - 4

Senior Staff: - 13

Junior Staff: - 65

### **On-going Research**

#### **Darkwa, E.O.**

- Evaluation of foliar fertilizers/bio-pesticides as components of integrated pest management programme of vegetables.
- Review of weed management strategies for rice cultivation-choice of herbicides and water management.
- Evaluation of citrus cultivars for the establishment of citrus orchard on the Vertisol.
- Selection of suitable cultivars of Tomato and Okro for dry season vegetable cultivation on the Vertisol.

#### **Nyalemegbe, K.**

- Mitigation of extreme weather conditions in dry season vegetable production
- Evaluation of E2001 - a soil acting plant nutrient for rice production.
- Evaluation of Azolla as source of nitrogen in lowland rice cultivation
- Use of Sesbania and other legumes as green manure in lowland rice cultivation
- Rotation of leguminous food crops with maize
- Rotation of leguminous cover crops with maize

## **Oteng, J.W.**

### **Rice Research**

- Biogreen 988, an organic nutritional compound with insecticidal and fungicidal properties is being tested as a fertilizer supplement on irrigated rice to ascertain its effect on rice nutrition and protection
- Preparations are underway to commence an Integrated Rice-Fish Culture to optimize farmers' income and improve their nutrition

### **Sugarcane Research**

- Sixteen exotic cultivars (Ex-Sudan) have been collected and a nursery development is in progress
- Seedcanes will be developed from the nurseries, from which various field trials will be conducted to select high yielding cultivars for multiplication as seed to farmers

## **Yangyuru, M.**

- Field survey for the optimal design of a micro-dam at ARS-Kpong.
- Yield of maize and cowpea under variable seasonal rainfall, land form, tillage and weed management.
- Effect of multiple droughts on the performance of irrigated rice.
- Water-logging on Vertic clays, the effects on maize and options for improved management
- Evaluation of polymeric absorbents and coco-peat on soil moisture retention and maize production

## **Teaching**

The Research Officers on the Station participated in the academic activities in Crop and Soil Science Departments respectively by teaching, supervising and examining student research projects. In addition, the Station continued to provide practical training for post-Level 200 B.Sc Agriculture students from main Campus and also students from the Agricultural Colleges at Ohawu, Damango and Ejura.

## **Publications/Papers Presented at Conferences**

### **Darkwa, E. O., Johnson, B.K., Nyalemegbe, K., Yangyuru, M., Oti-Boateng, C., Willcocks, T.J. and Jerry, P.J.**

- Weed management on Vertisols for small-scale farmers in Ghana. *International Journal of Pest Management*, 47 (4): 299-303. (2001)

### **Nyalemegbe, K. K., Darkwa, E.O., Yangyuru, M., Oteng, J.W., Terry, P.J., Willcocks, T.J. and Acquah D.**

- Soil fertility gradients across the camber bed and their effects on the growth and yield of maize. Proc. of the 22nd Biennial Conf. of the Ghana Science Association, 5th-9th August, 2001, University of Cape Coast, Ghana: 99-100. (2001).

**Nyalemegbe, K.K.**

- Effect of dry season heat stress on the growth and yield of tomato on the Accra Plains of Ghana. Abstracts of the 22nd Biennial Conference of the Ghana Science Association, University of Cape Coast, Cape Coast, Ghana, 5th-9th August, 2001, 106-107.

**Nyalemegbe, K.K., Oteng, J.W., Darkwa, E.O. and Oti-Boateng, C.**

- Comparison of different rice-based cropping patterns on the Vertisols of the Accra plains in Ghana. Paper presented at the 2nd Biennial Regional Rice Research Review, West Africa Rice Development Association (WARDA), Bouaké, Côte d'Ivoire, 9-12 April, 2002.

**Nyalemegbe, K.K. and Asuming-Brempong, S.**

- Economic evaluation of pre-emergence herbicides for cowpea cultivation on the Vertisols of the Accra plains of Ghana. Abstract of the 13th Congress of the International Farm Management Association (IFMA), Wageningen, The Netherlands, 9-12 July, 2002.

**Nyalemegbe, K.K., Asiedu, E.K., Nyamekye, A. and Danso, S.K.A.**

- Evaluation of leguminous cover crops as bio-fertilizer on the Vertisols of the Accra plains. Abstracts of the International Conference of the African Association of Biological Nitrogen Fixation, GIMPA, Accra, Ghana, 7-12 October, 2002

**Yangyuoru, M., Darkwa, E.O., Oteng J.W., Nyalemegbe, K.K., Willcocks, T.J. Terry, P.J. and Acquah, D.**

- Effects of tillage and soil water on the productivity of Vertisols in Ghana. International Conf. on Managing Soil Resources of the Tropics for Sustainable Agricultural Productivity, 26th Feb. to 2nd Mar. 2001, Savanna Agricultural Research Institute (SARI), Ghana: 14-15. (2001).

**Yangyuoru, M., Darkwa, E.O., Oteng, J.W., Nyalemegbe, K., Terry, P.J., Willcocks, T. J., Acquah, D. and Mawunya, F.**

- Yield of maize and cowpea under variable seasonal rainfall, land form, tillage and weed management on the Vertisols of Ghana. West African Journal of Applied Ecology, 2: 9-19. (2001).

**Unami, K., Kawachi, T. and Yangyuoru, M.**

- Optimal water management in small-scale tank irrigation systems. UNESCO Conference on Sustainable development of energy, water and environment systems, June 2-7, Dubrovnik, Croatia, abstract 123, CD-proceedings: 1-10. (2002)

## **Workshops/Conferences attended**

### **Nyalemegbe, K.**

- The 22nd Biennial Conference of the Ghana Science Association, University of Cape Coast, Ghana, 5th - 9th Aug. 2001.
- 2nd Biennial Regional Rice Research Review, West Africa Rice Development Association (WARDA), Bouaké, Côte d'Ivoire, 9-12 April, 2002.
- 13th Congress of the International Farm Management Association (IFMA), Wageningen, The Netherlands, 9-12 July, 2002.
- International Conference of the African Association of Biological Nitrogen Fixation, GIMPA, Accra, Ghana, 7-12 October, 2002.

### **Yangyooru, M.**

- International Conference on Managing Soil Resources of the Tropics for Sustainable Agricultural Productivity and Annual General Meeting of the Soil Science Society of Ghana, Savanna Agricultural Research Institute (SARI), Ghana, 26th Feb. to 2nd Mar. 2001.

## **Extension**

### **Darkwa, E. O.**

- Continued to co-ordinate the Benson Agriculture and Food Institute (BAFI)'s Family Self-Sufficiency Programme. After three years of the programme in Okwenya, the project is being extended to five other communities in the Manya, Asuogyaman and Osudoku districts. The programme focusses on the promotion, research and teaching on improved nutrition and enlightened agricultural practices that will improve the quantity and quality of food for the rural poor communities.

### **Nyalemegbe, K.**

- Demonstration of the use of Azolla as source of nitrogen in irrigated rice cropping in the Kpong, Akuse and Asutsuare areas.

## **AGRICULTURAL RESEARCH STATION, LEGON**

### **Overview**

The Agricultural Research Station, Legon, was established 50 years ago as the first of three Research Stations of the Faculty of Agriculture, University of Ghana. It is essentially a poultry and livestock station and it maintains cattle, pigs, donkeys, sheep and goats and poultry for teaching, research and commercial purposes. The station also has an annex – Katamanso Farm, for commercial production of poultry and livestock.

This station was a pioneer in animal breed development (Nungua Black Head Sheep) and cross breeding for breed improvement – the DANIDA/FAO sponsored dairy

programme. The station pioneered work on feed requirements of livestock and poultry in tropical areas as well as the use of local feed ingredients and development of dry season feeding strategies. A major threat to the station has been the lack of pipe borne (potable) water for the past decade. This has adversely affected its production and research activities.

### **Courses/Practical Training**

Research Officers continue to contribute towards academic activities – teaching and supervision of research projects of students of the Faculty of Agriculture.

The Leventis Foundation Farmers' Training Programme (LFFTP) admitted and trained the 13th batch of 34 students for a period of ten months. The programme is now being expanded to include Agro-forestry with support from a French NGO (PRO-NATURA).

The Station provides facilities for practical lessons for the various levels of students of the Faculty of Agriculture. Students from the various agricultural colleges around the country and private individuals were also taken into residence for short-term practical attachments.

### **School Visits**

During the year, about 1,200 students from institutions ranging from the kindergarten level through senior secondary to post-secondary levels visited the Station for practical experience in animal husbandry.

### **Donations**

The station was fortunate and gratified to receive some donations from benevolent citizens of Ghana. Mr Adu Bediako donated a 500 egg capacity incubation whilst Ms Abrahams donated 2 Ostrich chicks.

### **Staff**

The total staff on role is 128, comprising 6 Research Officers, 16 Senior Staff and 106 Junior Staff. The Research Officers are:

Dr. A. Naazie	-	Research Officer-in- Charge
Dr. E.A. Canacoo	-	Senior Research Officer
Dr. T. Adogla-Bessa	-	Senior Research Officer
Mr. K. Adjorlolo	-	Research Officer
Mr. E. Timpong-Jones	-	Research Officer
Alhaji E.A. Mahama	-	Research Officer

Alhaji E. A. Mahama was appointed a Research Officer in October, 2002.

### **Obituary**

The Station lost two members of staff during the year. They are:

1. Alhassan Chamba - Security Guard



2. David Adjei Mensah – Assistant Farm Supervisor

### **Publications**

#### **Adogla-Bessa, T.**

- (2001) – The effect of age of mating on the behavioural interactions between primiparous Djallonke ewes and their lambs at 36-h post partum in Applied Animal Behaviour Science 75:47-54

#### **Adjorlolo, L.K., Amaning-Kwarteng, K. and Fianu, F.K.**

- (In Press) – Preference for three forms of Mucuna forage and effect of supplementation with Mucuna forage on performance of sheep. Tropical Animal Health and Production.

#### **Ameleke, G.K., E.T., Adjorlolo, L.K. and Honya, G.K.**

- (2002) – Small ruminant production in the Coastal Zone of Ghana. How profitable is it? A Paper presented at the 26th Symposium of the Ghana Animal Science Association, held at Tamale from September 4-7, 2002.

#### **Awotwi, E.K., Ametame, Canacoo, E.K., Barnes, A.R. and Oppong-Anane, K.**

- (2000) Estimation of serum immunoglobulin concentration in Large White and Ashante Black piglets using a refractometer. Bulletin of Animal Health and Production in Africa, 48:210-213.

#### **Mahama, E.A., Andah, E.K. and Amegashie, D.P.K.**

- (2002) – Profitability of broiler production in Accra-Tema and Kumasi areas, using Break-even analysis. A paper presented at the 26th Symposium of Ghana Animal Science Association, held at Tamale from September 4-7, 2002.

#### **Naazie A, Canacoo E.A. and Mwinbong C.**

- (2002) Guinea Fowl production in the Upper East Region of Ghana, Report submitted to Land Conservation and Small Holder Rehabilitation Project 9LACOSREPO II, IFAD 66pp.

### **Conferences/Workshops**

#### **Adogla-Bessa, T.**

- Developing and Writing the 'winning' proposal. A workshop organized by International Centre for Research in Agroforestry (ICRAF) HULWA/RAFT/ANAFE. University of Ghana, Faculty of Agriculture, Legon. April 22-24, 2002.
- Improving livelihoods of small holder livestock producers through peri-urban dairy production in West Africa. A workshop organized by International Livestock Research Institute (ILRI). STEPRI, CSIR, Accra, December 3-4, 2002.

**Adjorlolo, L.K. and Amaning-Kwarteng, K.**

- "Feeding of Rural Poultry – The use of local feedstuffs". A paper presented at a Workshop organized by International Network for Family Poultry Development – Ghana Poultry Network with the theme "The village chicken, the under utilized animal resource". Held at Ebenezer Presbyterian Church Hall, Accra, February 21, 2002.

**Canacoo, E.A.**

- Course on Climate Change: An African Perspective. World Bank Institute and Global Distance Learning Network (GDLN). GIMPA, Distance Learning Centre, September 10-26, 2002.
- Animal Traction Refresher Course for staff of MOFA-AESD, A resource person. Agricultural Research Station, Legon, October 7-11, 2002.
- 14th Congress/28th Annual General Meeting of Ghana Veterinary Medical Association, Institute for Local Government, Madina, Accra, November 5-9, 2002.
- "Health Strategies to reduce mortality in Guinea Fowls". A paper presented at a Workshop on Guinea Fowl Production in the Upper East Region, LACOSREP II/IFAD, Bolgatanga, 23rd December, 2002.

**Naazie, A.**

- At the 26th Symposium of the Ghana Animal Science Association, with the theme "Transformation of Animal Agriculture to enhance National Food Security", Tamale, September 4-7, 2002.
- "Guinea Fowl Production in Upper East Region of Ghana". A paper presented at the Stakeholder Validation Workshop on Small Ruminant and Poultry (Guinea Fowl) studies. Upper East Region, ACOSREP II/IFAD, Bolgatanga, 23rd December, 2002.

**Timpong-Jones, E.**

- The 10th Congress of All African Biological Nitrogen Fixation with the theme "Enhancing BNF Research and Application for Food Security and Poverty Alleviation in Small Holder Farming". GIMPA, Legon, Ghana, October, 28 – November 1, 2002.

## FACULTY OF ARTS

### DEPARTMENT OF CLASSICS

#### Overview

Nothing dramatic has taken place in the department during the year under review. The staffing position is rather thin. In spite of this, the Department continues to mount courses for the various undergraduate levels, ie Level 100 – 400. A sad observation is that our final year students who perform very creditably in the exams, never come back to enroll for the graduate program.

#### Courses

As in the preceding years, only core courses were available for the various levels: 100 – 400; the Department also taught courses at the External Degree Centre.

#### Staff

The Staffing position remained the same: 1 Senior Lecturer, 1 Lecturer, and 1 part-time Lecturer.

#### Research

The broad areas of research were:

- (i) Roman North Africa
- (ii) Women in Antiquity
- (iii) Life and thought of the ancient Greeks and their relevance for modern day Africa.

#### Publications

None: But, some articles are awaiting consideration for publication.

#### Conferences

Nil

#### Benefactions

The Department received a substantial number of books on Greek Literature, History and Philosophy, and a Printer from the Onassis Foundation in Athens.

## LANGUAGE CENTRE

#### Overview

The Language Centre went through the 2001-2002 academic year with a number of constraints. Three Faculties failed to pay the AFUF for their students for the Academic Writing course. As in the previous years, Language Centre's portion of the tuition fees for foreign students was not paid. The requirement for additional

facilities including the rehabilitation of the language laboratory fell through.

Nonetheless the Language Centre was able to teach its programmes, do research and provide extension services. There was a tremendous increase in applications and enrolments for the English as a Foreign Language (EFL) programme. Given the necessary facilities and space the intake for this programme can be tripled.

The Language Centre hosted a special two-week programme for a group of undergraduate students from the James Madison University (USA).

### **Courses**

The Language Centre continued to run three major teaching programmes:

- i) Certificate of English Proficiency for learners of English as a Foreign Language (EFL).
- ii) Academic Writing (LANG 100/LANG 200) for entering students.
- iii) Basic course in Ghanaian Languages for Level 200 students (AFST 260).

### **Student Numbers**

In the Certificate of English Proficiency programme there were a total of thirty-two students. 800 students registered for the AFST 260 courses in Ghanaian Languages.

The Academic Writing course was taken by all Level 100 students of the University and all Level 200 students from the Faculty of Arts, a total of about 4,000 students.

### **Staff**

The Language Centre staff on the ground throughout the year numbered 6 full-time senior members, 8 senior staff including 6 teaching staff, and 8 junior staff.

Mr Cobbinah Swanzy, a tutor, was on one-year sabbatical leave, whilst Mr Evershed Amuzu and Mrs Sika Ahadzie were all away pursuing their PhD programmes.

### **Extension Work**

#### **Andoh-Kumi, K.**

- Chairman of the WAEC Moderating Committee on Ghanaian Languages.
- External Assessor for Ghanaian Languages for University of Education, Winneba.
- Chief Examiner (Ghanaian Languages) for Teacher Training Colleges (Institute of Education of the University of Cape Coast).
- Served as an editor for University of Ghana Distance Learning programme.
- Served as an evaluator for the OUT aspect of the IN-IN-OUT programme of the Teacher Education Division of the Ghana Education Service.

**Adika, G.**

- Member, Editorial Team, University of Ghana Distance Education programme.
- Guest Lecturer, Ghana Armed Forces College (Junior Division) on Effective Communication Skills.
- Assistant Editor, Legon Journal of the Humanities
- Associate Editor, Ghanaian Journal of English Studies
- Consulting Editor, The Heritage

**Ofori, K.G.**

- Examiner in Ewe, WAEC
- Part-Time Lecturer in Ewe, Ghana Institute of Journalism

**Arhin, V.E.**

- Facilitator, Workshop on Communicative Skills – Ghana Police College
- Course writer, University of Ghana Distance Education programme.

**Odoi, D.A.**

- Course writer, University of Ghana Distance Education programme.

**Traore, M.**

- Columnist in The Heritage.
- Panellist on Radio Unvers Programme “Read A Book A Week”.

**Research Activities**

Members of staff engaged in research activities in the areas of their expertise and interest.

**Andoh-Kumi, K.**

- How students at the tertiary education learn
- Assessment of tertiary education students
- Language and Education as factors in Grassroot Participation at the District Assembly Level
- Language in the education of the Ghanaian school children.

**Adika, G.**

- Basic Education & Senior Secondary School textbooks in English Language and Literature
- Written Communication and the Construction of Knowledge: Discourse Organisation in the Written of University students.
- Written Communication in non-academic contexts.

**Arhin, V.E.**

- Learner-Centred Teaching Strategies – A Guide to Teaching English Language in Ghanaian Schools.

**Odoi, D.A.**

- Children's Literature – Adwoa Badoeis's *Street Girls: The Project* and J.O. de Graft Hanson's '*Jeneba Becomes a Monkey*'.

**Traore, M.**

- (With Dr G. Adika) A Handbook of Poetry for Senior Secondary School Students.
- A Close Analysis of Marriage, Islam and Polygamy in Mariama Ba's *So Long a Letter*.
- A Study of Social Structures in Aminata Sow Fall's *The Beggars' Strike*.
- Review of Henri Lope's *Le pleurer-rire*.
- Review of Sembene Ousmane's *God's Bits of Wood*.

**Conferences/Workshops/Seminars**

**Andoh-Kumi, K.**

- March 5, 2002 – Language Policy and Bilingual Education in Ghana – Evidence from Research. Language Centre Seminar Series
- March 20-22 2002 – Improving Your Writing Skills. International Workshop on Effective Communication organised for Catholic Brothers at Accra.
- May 3, 2002 – Literacy in the Medium of Instruction and the Quality of Teaching and Teaching: Evidence from the IEQ II Research Project. Workshop on National Educational Reform. Held at GNAT Headquarters. Accra.

**Adika, G.**

- April 30, 2002 – Scientific Diction in Poetry. Language Centre Seminar Series.

**Arhin, V.E.**

- April 23, 2002 – The Lecturer as Speaker and the Student as Listener in an Academic Discourse Context. Language Centre Seminar Series.

**Odoi, D.A.**

- March 12, 2002 – Noises in the Blood: The concept of choice and change in Tsitsi Dangarembga's *Nervous Conditions*. Language Centre Seminar Series.

**Ofori, K.G.**

- April 15, 2002 – The Literary Devices of Fiawoo. Language Centre Seminar Series.

**Traore, M.**

- March 26, 2002 – Attitudes Towards Western Education in Selected Francophone and Anglophone Novels. Language Centre Seminar Series.

## **Publications**

### **Andoh-Kumi, K.**

- (2002) – Apala Primary School and Erokosa Training College. Chapter 1: Final Report IEQ – Ghana Project
- (2002) – The Teaching and Learning of Ghanaian Languages – The Teacher Factor. In the Proceedings of the Colloquium on the Co-existence of Languages in West Africa. (September 24-28, 2001) Universite de Ouagadougou.
- (Forthcoming) – A Handbook for the Ghanaian Language Teacher. Accra. Blue Volta.

### **Ofori, K.G.**

- (2001) – Evegbe Sqsro Gomedzesuku 'Gbale 1-3. Accra. Unimax Macmillan Ltd.
- (Forthcoming) – Evegbe Sqsro Gomedzesuku 'Gbale 4-6. Accra. Unimax Macmillan Ltd
- (Forthcoming) – Tesivi La. Accra. Step Publishers.

### **Arhin, V.E.**

- (Forthcoming) – An English Course for Primary and JSS. Smartline Publications.
- (Forthcoming) – Phonics for Primary Schools. Smartline Publications.

## **DEPARTMENT OF LINGUISTICS**

### **Overview**

In the 2001/2002 academic year, the Department of Linguistics continued with its teaching and research programmes. Members of staff maintained an appreciable level of commitment to their respective duties. Apart from direct academic involvement on campus, members also were very active in the wider society in the area of language education.

A remarkable development in the year under review was the networking of the whole Department, making it possible for us to be linked by radio to the University's server. In addition, as a result of funding from the Legon-Trondheim Linguistics Project (NUFU Project), we were able to buy computers for six senior members to enhance their work.

Another area where we experienced improvement was the Department Library. The 2001/2002 saw, probably, the largest addition to our collection in the Library in a single year. This was made possible through the Department's share of the Academic Facility User Fee and the NUFU Project. Consequently, our students found their essential texts available for reference.

The Department also started a process to review its course offerings and to propose new courses.

## **Courses**

During the year under review, we offered the following courses:

### **First Semester**

#### **Undergraduate**

LING101	Introduction to Linguistics I
LING201	Phonetics
LING203	Introduction to the Nature of Language
LING301	Phonetics and Phonology
LING303	Phonology of a Ghanaian Language
LING305	Phonology of English
LING311	Literature of a Ghanaian Language I
LING317	Language and Culture I
LING325	Theory of Translation I
LING327	Discourse Analysis I
GHLS301	Use of a Ghanaian Language I
LING401	Phonological Theory
LING403	Phonology of a Ghanaian Language
LING405	Phonology of English
GHLS401	Use of a Ghanaian Language I

#### **Graduate Diploma**

LING501	Introduction to Phonetics
LING503	Introduction to Morphology and Syntax
LING517	Introduction to the Nature of Language
LING505	Sociolinguistics
LING511	Discourse Analysis
LING513	Language and Culture

#### **M.Phil/MA (Linguistics)**

LING601	Theory of Phonology
LING603	Theory of Syntax
LING609	Historical Linguistics
LING613	Ethnography of Speaking
LING611	Discourse Analysis

#### **M.Phil (Teaching English as a Second Language)**

TESL601	Phonetics and Phonology of English
TESL603	Morphology and Syntax of English
TESL609	Theory of Language Learning
TESL605	Advanced Composition
TESL607	Present-Day English Structure and Usage



## **Second Semester**

### **Undergraduate**

LING102	Introduction to Linguistics II
LING202	Morphology and Phonology
LING204	Syntax
LING302	Morphology and Syntax
LING304	Morphology and Syntax of a Ghanaian Language
LING306	Morphology and Syntax of English
LING312	Literature of a Ghanaian Language II
LING316	Sociolinguistics II
LING318	Language and Culture II
LING324	Conversational Studies II
LING326	Theory of Translation II
LING328	Discourse Analysis I
GHLS302	Use of a Ghanaian Language II
LING400	Long Essay
LING402	Syntax and Semantics
LING404	Syntax and Semantics of a Ghanaian Language
LING406	Syntax and Semantics of English
GHLS402	Use of a Ghanaian Language II
GHLS406	Literature of a Ghanaian Language

### **Graduate Diploma**

LING502	Phonology
LING504	Syntax and Semantics
LING508	Research Methods
LING524	Seminar Presentation
LING532	Long Essay

### **M.Phil/M.A. (Linguistics)**

LING608	Research Methods
LING612	Seminar in Semantics
LING614	Seminar in Syntax
LING636	Seminar in Phonology
GHLS614	Seminar in Ghanaian Language

### **M.Phil (Teaching English as a Second Language)**

TESL602	Methodology
TESL608	Research Methods
TESL614	Seminar in Testing and Evaluation
TESL604	Varieties of English

### **Number of Students**

The following constitute student enrollment in the Department during the 2001/2002 year:

Level 100	496
Level 200	334
Level 300	159
Level 400	90
Level 500	2
Level 600	8
PhD	4

### Staff

During the year, the Department staff strength was increased by one through the appointment of Mrs. Nana Aba Amfo as a lecturer. At the same time, Prof. Florence Dolphyne opted not to have a contract renewed, even though she continued to supervise the theses of graduate students who had been working under her. The total staff is as listed below:

Prof. K. Yankah	Professor
Prof. L.A. Boadi	Professor (Part-time)
Prof. A.S. Duthie	Associate Professor (Contract)
Prof. Love A. Anyidoho	Associate Professor
Dr. K.K. Saah	Senior Lecturer
Dr. K.A. Osam	Senior Lecturer
Dr. A.K. Dzameshie	Senior Lecturer
Mr. J.A.N. Saanchi	Lecturer
Dr. P.K. Agbedor	Lecturer
Mr. Kofi Agyekum	Lecturer
Mrs. Nana Aba Amfo	Lecturer
Mr. E. Apenteng-Sackey	Tutor

Mr. G. Akanlig-Pare spent the year at Tufts University, USA, as a visiting scholar.

### Research

Senior members in the Department continued with their respective research programmes. Apart from research allowance paid to staff, the Department has benefited greatly from funding provided by the Norwegian Centre for International University Corporation through our cooperation with the NTNU under the NUFU project. The NUFU project, started in 1996, entered its second phase in the year under review. This has ensured that the Department will continue with its work in literacy, lexicography and typology involving Ghanaian languages. As a result of the NUFU project, the Department was able to acquire six computers for use by staff.

### Publications

#### Agbedor, P.K.

- 2002. Ewe Pronouns in Co-ordination. In Ameka F. and Osam E.K (eds.), *New Directions in Ghanaian Linguistics* pp.195-211. Accra: Black Mask.

**Agyekum, K.**

- (2000) Aspects of Akan Oral Literature and the Media. Research Review Vol.16 No. 2, 1-18. Institute of African Studies.
- (2002) Lexical Polysemy and Metaphorical Extension of Te 'Hear' Verb of Perception in Akan. Legon Journal of Humanities Vol. 13.
- (2002) The Communicative Role of Silence in Akan Pragmatics Vol. 12. No.1 pp31-51.
- (2002) The Interpretive Marker *Sɛ* in Akan. In Ameka F. and Osam E. K. (eds.), New Directions in Ghanaian Linguistics pp.127-145. Accra: Black Mask.
- (2002) Menstruation as a Verbal Taboo Among the Akan. Journal of Anthropological Research Vol.58. No. 3. pp. 367-387.

**Anyidoho, Love A.**

- (2002) Contemporary funeral eulogies in Akan. In Ameka F. and Osam E.K (eds.), New Directions in Ghanaian Linguistics pp.363-379. Accra: Black Mask.

**Apenteng-Sackey, E.**

- (2001) Akuapem Kasasua Mfiase 1, 2, 3 (Akuapem Language Study Books 1, 2, 3 for Primary Schools) with S.A Asiama and L.D. Apraku. Accra: Unimax Macmillan Education Ltd.

**Duthie, A.S.**

- (2002) A note on Ernst Wendland's paper on Psalm 73, pp.153-155 in The Bible Translator (technical) Vol.53.1. New York: United Bible Societies.
- (2002) Should communicative language teaching involve ALL levels of meaning? pp.37-37, in Ghanaian Journal of English Studies, Vol. 1. Accra: Sedco.

**Dzameshie, A.K.**

- (2001) Toward a global explanation of unmarked codeswitching: evidence from Ewe-English bilingual codeswitching. Working Papers in Linguistics, Vol.5, pp.1-21. Reading: Reading University.
- 2001 Questions in Ewe. The Journal Ghanaian Languages, Vol. 1.1, pp.22-29.
- (2001) Evegbe *Sɔsrɔ Gɔmedzesuku* 'Gbale, Book 1. (Advisory Editor), Accra: Unimax Macmillan Ltd.
- (2001) Evegbe *Sɔsrɔ Gɔmedzesuku* 'Gbale, Book 2. (Advisory Editor), Accra: Unimax Macmillan Ltd.
- (2001) Evegbe *Sɔsrɔ Gɔmedzesuku* 'Gbale, Book 3. (Advisory Editor), Accra: Unimax Macmillan Ltd.
- (2002) The forms, functions and social value of greetings among the Ewes. In Ameka F. and Osam E. K. (eds.), New Directions in Ghanaian Linguistics pp.381-408, Accra: Black Mask.

**Osam, K.**

- (2002) Reflexive marking and related functions in Akan. *Journal of Asian and African Studies*, No.64.
- (2002) Old Needs, New Methods: The discourse of Ghanaian Personal Advertisements. *Legon Journal of the Humanities*. Vol. 13.

**Ameka, F. and Osam, K.**

- (2002) The ingressive in Akan: A re-consideration. *New Directions in Ghanaian Linguistics* pp.113-126. Accra: Black Mask.

**Ameka, F. and Osam E.K.**

- (2002) *New Directions in Ghanaian Linguistics*. (eds.) Accra: Black Mask.

**Saah, K.K.**

- (2002) Children's knowledge of the constraints on the use of the Akan third personal object pronoun. In Ameka F. and Osam, E. K. (eds.), *New Directions in Ghanaian Linguistics* pp.213-241. Accra: Black Mask.

**Saanchi, J.A.N.**

- (2002) Linguistics Parallelism and the Dagaaba Dirge. In Ameka F. and Osam, E. K. (eds.), *New Directions in Ghanaian Linguistics* pp.409-423. Accra: Black Mask.

**Yankah, K.**

- Scholarly Authority and the Quest for a New World Academic Order. Ghana Academy of Arts and Sciences (forthcoming).

**Akanlig-Pare, G.**

- Vowel Harmony in Buli, *New Directions in Ghanaian Linguistics*: 265-278, Accra.

**Conferences/Seminars**

**Agbedor, P.K.**

- *Anaphors in Ewe and Japanese: A Comparative Study*. Department Seminar presentation.

**Agyekum, K.**

- Workshop on the Harmonisation of Akan Orthography, Abidjan, 7th -9th September, 2001.
- Workshop on Project on Culture and Governance organised by the Centre for Democracy and Development (CDD), Accra 1st October 2001.
- Workshop for Media Practitioners, Institute of African Studies: Legon 6th Dec 2001.

- Workshop on Literacy and Quality at GNAT Hall 3rd May, 2002.
- 2nd Workshop on the Harmonisation of Akan Orthography, Abidjan, 20th -24th May, 2002.
- Akan Symposium on the Onipa Ne Hwan 'Akan Concept of Man' Institute of African Studies 29th May 2002.
- Workshop on Akan Orthography for Teachers of Training Colleges organised by ASTEP at the St. Louis Training College, Kumasi, on 25th September, 2002. Paper presented Common mistakes in Akan Orthography.
- Contemporary Ghanaian Taboos and Work Ethics: Their Impact on Production. Paper presented on a one day Seminar on Socio-Cultural Orientation for Expatriates in Ghana by Allied Business Consulting Services Ltd. At The Bay View Hotel Accra on 22nd November 2001.
- Ghanaian Proverbs: Functions, Context and Usage. Paper presented to American Students from Memphis University at the Institute of African Studies 13th June 2002.
- Significance of Names. Paper presented to American Tourists at the Linguistic Dept. Legon Accra 12th July 2002.
- *Ghanaian Cultural Etiquette* Paper presented to TUFT-In- Programme Students at Legon Accra 13th Aug. 2002.

#### **Amfo, N.A.A.**

- *Modal Marking in Akan: The case of 'Anka'*, Department Seminar, March 2002.

#### **Anyidoho, L. A.**

- International Symposium on Text in Context: African Languages between Orality and Scripturality. University of Zurich, Switzerland. October 17-20, 2001. Paper presented Electronic media in the development and promotion of Ghanaian Languages.
- Post-symposium Workshop on African Languages in the Digital Society. University of Zurich, Switzerland. October 22-26. Joint report with Dr. Kweku Osam, Structure, content and scope of the Akan Encyclopedic Dictionary: work in progress. Paper presented: Dictionary as representation of human encyclopedic knowledge: the integration of loan words in Akan.
- Workshop on Broadcasting in Ghanaian Languages. IAS and Linguistics Department, Legon. Dec. 6, 2001. Co-ordinator.
- Conference on Gender and Traditional Leadership. Institute of African Studies, Legon. Feb. 19-22, 2002. Paper presented, 'Language, Gender and Leadership.'
- Conference on Religion and Human Sexuality with special emphasis on HIV/AIDS. Institute of Women in Religion and Culture, Trinity Theological College, Legon. April 9-12, 2002. Paper presented, 'Gendered language and the HIV/AIDS discourse.'

**Dzameshie, A.K.**

- Variations in Requesting Behaviour: Cross-cultural Comparison of Requesting Behaviour in British English and Ghanaian English. A paper presented at the 34th Annual Meeting of the British Association of Applied Linguistics (BAAL) held at the University of Reading from 6th to 8th September, 2001.
- Requesting Behaviour: A Cross-cultural Perspective. A paper presented at a Departmental Seminar held at the University of Ghana on 17th April, 2002.

**Osam, E.K.**

- Imaging a president: Rawlings in The Ghanaian Chronicle. Inter-Faculty Lecture, University of Ghana, Legon, May 2, 2002.
- Ethnicity, politics and discourse. Department Seminar paper, April 2002.

**Saah, K.K.**

- Issues Concerning the Standardisation and Modernisation of the Akan Orthography, paper presented at a Centre for Advanced Studies of African Society (CASAS) Workshop, Abidjan, May 22-23, 2002.
- Relative Clauses in Akan: A reanalysis', paper presented at a Departmental Seminar, Department of Linguistics, University of Ghana, Legon, April 24th, 2002.
- Centre for Advanced Studies of African Society (CASAS) Workshop on the Standardisation and Modernisation of Akan Orthography for Ghana and Ivory Coast, Abidjan, 8th Sept., 2001.

**Benefaction**

In the course of the year, the Department received book donations from the following people:

- Prof. Lise Menn, University of Colorado, Boulder.  
 Ms. Jasima Bonato, University of Zurich  
 Prof. Gyasi Obeng, Indiana University.

**DEPARTMENT OF MODERN LANGUAGES**

The following are details of the Departmental activities for the 2001/2002 academic year.

YEAR ABROAD PROGRAMME: The immersion courses were done in the Countries indicated:

FRENCH	-	BENIN
RUSSIAN	-	MOSCOW
ARABIC	-	CAIRO
SWAHILI	-	TANZANIA

No scholarships were available for SPANISH.

Students numbers at various levels:

LEVEL 100:	ARABIC	-	114
	FRENCH	-	217
	RUSSIAN	-	83
	SPANISH	-	185
	SWAHILI	-	193
LEVEL 200:	ARABIC	-	24
	FRENCH	-	119
	RUSSIAN	-	20
	SPANISH	-	88
	SWAHILI	-	50
LEVEL 300:	ARABIC	-	3
	FRENCH	-	68
	RUSSIAN	-	4
	SPANISH	-	35
	SWAHILI	-	6
LEVEL 400:	ARABIC	-	7
	FRENCH	-	37
	RUSSIAN	-	3
	SPANISH	-	22
	SWAHILI	-	6

**New Appointments**

Beatrice Exposito De La Torre (Spanish).

**Appointment on Contract**

Dr. W. O. Animfen (French)  
Prof. K. Britwum (French)  
Prof. F. R. Amonoo (French)  
Dr. F.S.K Owusu (Russian)

**Co-ordinators for Sections**

Arabic - M. A. Gibrill  
French - Dr. R. Yennah  
Russian - Mrs. Alexina Arthur  
Spanish - Mr. L. K. Adra  
Swahili - Mrs. Hamida Harrison

**Report on Research**

FRENCH: The French section of the Department has been very busy during the

2001/2002 session and contributed quite significantly towards academic activities both within and outside the University.

### **The Third Annual Inter-University Conference on the Coexistence of Languages in West Africa - Ouagadougou**

Once a year, representatives from the French section participated in the above conference, this time held in Burkina Faso and presented papers.

### **Staff and Curriculum Development Seminars**

The department organized a series of inter-department seminars aimed at sharing new research findings and discussing their methodological/pedagogical relevance to our work. The French section played a leading role in these seminars by presenting five (5) papers.

### **Publications**

As a result of the above activities four (4) articles from the section were published in Cahiers du CERLESHS, Ouagadougou.

### **Workshop Attended**

Within the framework of our co-operation with University Marc Bloch, Strasbourg, France and as part of our preparations towards the forthcoming M. A. Translation programme, one senior member attended a one-month workshop in France from 2nd to 4th November 2001, with French government sponsorship.

### **On-going Research**

#### **French**

##### **Azanku, W.K.**

- In the area of French Poetry-Lire le texte poétique, la représentation, la perception et l'imaginaire: une ébauche de méthode théorique.

##### **Animfen, W.O.**

- French philosophical literature of the 20th Century with particular reference to the novel, the theatre and existentialist philosophy.

##### **Amekudzi, E.K.**

- Alternate case frame.
- Literal versus meaning-based translation: The effect of the mother tongue, second language and foreign languages.

#### **Spanish**

##### **Lamprey, V.A.O.**

- "La dinámica gnoseológica de la poesía Negrista"
- "La Realidad Mito-Poética de la obra de N. Guillén"
- "El Conceptismo Interior de la Poesía de N. Guillén".



## **Arabic**

### **Gibrill, M.A.**

- Ghana Revels her Secrets: A Translation of a collection of poems in Arabic by Umar Salim (Published 2002).
- Hymns in Love of Africa: A Translation of a collection of poems in Arabic by Umar Salim (soon to be published).
- Sheikh Muhammad Rashid Rida's Relations with Jamal Al-Din Al-Afghana & Muhammad Abdul (Accepted for publication by the Journal of Arabic and Religious Studies - Ilorin University).

## **Publications**

### **Azanku, W.K.**

- "La Traduction pédagogique – traduire et se traduire", in carriers du CERLESHS, 2002, Ouagadougou.

### **Asaah, A.**

- "Eclat, échos et éclats dans La Petite fille du réverbère de Calixthe Beyala" Ilorin Journal of Languages and Literature Vol. 5, September 2001, PP. 94 – 103.
- "Traces d'autrui et énoncés d'autrui dans. La Petite fille du réverbère de Calixthe Beyala. New Trends in Languages in Contact in west Africa, 2001 PP. 181 – 193.
- "Multiple Intelligence and the Teaching and Learning of Aminata Sow Fall's L'Appel des arènes.
- Cahiers du CERLESHS. Published Proceedings of Third Inter-University Conference on the Co-existence of languages in West Africa, Ouagadougou, 26-29 September 2001.
- "Subversion and Indeterminary in Calixthe Beyala's. The Sun Hath Looked Upon Me.

### **Badasu, C.K.M.**

- "The Role of Translation in Globalization and Development" In D. D. Kuupole, ed., New Trends in Languages in Contact in West Africa. Takoradi: St. Francis Press Ltd., 2001, 106-108.
- "Le Pluralisme dans le roman africain: L'Exemple d'Une Vie de boy et du Pauvre Christ de Bomba". In Abou Napon et Pierre Malgoubri, éd., Cahiers du CERLESHS: Actes du colloque inter-Universitaire sur la co-existence des langues en Afrique de l'Ouest. 2002, 324-340.
- "Le Chef-d'œuvre inconnu ou la thématization de la technique". Submitted to Papers in Modern Languages.

### **Acquaye, A.A.**

- On-going Research that starts from or spans the 2001/2002 academic year.

- Title: 1. THE POETICS OF SWAHILI RIDDLES 9VITENDAWILI  
 2. THE LANGUAGE OF "ROSA MISTIKA" BY KEZILAHABI.

### **Conferences/Workshops/Seminars**

#### **Azanku, W.K.**

- The third Inter-University Conference on the co-existence of languages in West Africa, Ouagadougou.

#### **Amekudzi, E.**

- Departmental Seminar.
- Co-existence of languages in West Africa, University of Ouagadougou, Burkina Faso 26th – 28th September 2002.  
 Papers presented for both departmental seminar/Ouagadougou: The application of Fillmore's case theory to the study and teaching of French.

#### **Asaah, A.**

- "Regards Croisés sur la condition féminine dans quatre romans ouest-africains européens".
- Forth Inter-University Conference on the co-existence of languages in West Africa, University College of Education, Winneba, 15th –18th October 2002.

#### **Badasu, C.K.M.**

- "Le Plurilinguisme dans le roman africain: L'Exemple d'Une Vie de boy et du Pauvre".
- Christ de Bomba". Troisième Colloque Inter-Universitaire sur "La co-existence des langues en Afrique de l'Ouest". (Université de Ouagadougou, du 26 au 28.

#### **Jatoo-Kaloe, B.A.**

- Departmental Seminar – The Multi-dimensionality of death in Le récit du Cirque (Ahiom Fantouré) and La vie et demie (Sony Labou Tansi).
- Faculty Lectures - Progress, Positive self-image: Perspective of some African Novelists.
- Seminar on translation facilitated by Mme Lequilly and M. Delatre.

#### **Benefaction**

1. The department received a number of computers and accessories from both the French and Spanish Embassies.
2. The French Embassy continued to modernize the computerized Library in the Department's Annex.
3. The French and Spanish Embassies and some past students from the Spanish Section donated books to the respective sections.

## **French Embassy in Ghana Cooperation 2000 - 2002**

The co-operation agreement between the French Embassy in Ghana and the University of Ghana is aiming at modernizing teaching in the French Section of the Modern Languages Department. To that purpose, the French Embassy has been assisting in the following areas :

### **The training of French Lecturers**

Grants have been allocated to lecturers for several trainings in France:

Dr Azanku and Mr Tornui went to France for a short training in teaching French as a Foreign Language and French for specific purposes.

Dr Badasu went to France for a short training in Translation and Interpretation.

Mr Bokomi spent two years in France to take a Master's degree in French as a Foreign Language and a Mphil in French on Specific Purposes.

Mr Nutefe Nutakor is currently in France and is taking a Mphil in Linguistics and Didactic.

### **The reinforcement of the co-operation between universities**

Since 1999, there has been an agreement between the University of Ghana and the University of Strasbourg, where the above mentioned lecturers had their training and which has been sending experts to train lecturers in the University of Ghana. Every year, the same university gives opportunity to six students of level 300 enrolled for French B.A. to spend their year abroad in Strasbourg.

Through several trips organized by the French Embassy, an agreement has been signed between the University of Ghana and the National University of Benin, where the majority of the students of level 300 has been spending their year abroad. There are also short linguistic exchange programs between the two universities.

The French Embassy has also facilitated exchange programs between the University of Ghana and the University of Cape Coast.

### **The renewal of documentation and teaching material**

The French Embassy has helped in the setting up of a computerized library for the Modern Languages Department by providing the furniture, the computers and some of the books. The library is being regularly provided with books and teaching material.

A multimedia room has been set up to help the students to learn French and have access to the French culture, by providing them with satellite TV programs, video and audio cassettes, CDs and DVDs, magazines and francophone newspapers. They also have at their disposal computers and CD-roms.

### **The reorganisation of the curriculum**

The French assistant has contributed towards the renewal of the syllabus which is now in use in the department.

The training of the lecturers have facilitated the setting of new course such as Professional French and French for specific purposes and the creation of a new Master's program in Translation and Interpretation,

### **The research of post-graduate students.**

The French Embassy has been giving research grants to facilitate the work of the post-graduate students.

### **The development of cultural activities**

A French club has been formed which has more than 180 students. With the assistance of the French Embassy, it regularly organizes trips to various francophone countries in West Africa. It also organizes activities such as drama, musical programs, writing workshops and francophone night.

### **The assistance in providing office material**

The Department is regularly supplied with office material such as paper and ink for the computers, the photocopy and the duplicating machines.

The French Embassy has spent 242,563 euros (1,940,504,000 cedis) including technical assistance, for the implementation of this program, since the year 2000.

In the year 2003, the co-operation between the University of Ghana and the French Embassy will continue. More books and teaching material will be provided, the multimedia room will be modernised and connected to the Internet together with the library of the Department, office material will be provided, the activities of the French Club will be supported and emphasized, the exchanges between universities will be facilitated, the content of the curriculum will be improved, and the training of the teachers will continue, the aim of the project being to complete the modernisation of the Department.

## **DEPARTMENT OF PHILOSOPHY**

### **Overview**

During 2001/2002 academic year, the basic functions of the Department namely, teaching and research were carried out as in previous years. Faculty Members also offered their services and expertise to various Educational bodies as resource persons. The Department as usual offered courses at both Undergraduate and Post Graduate levels. Mr. Martin Odei Ajei and Rev. Joseph Apea Assamoah, M.Phil students who were engaged as Teaching Assistants were appointed as Lecturers during the year under review. The Department continued to have considerable increase in student intake and is still working to find ways of coping with its

challenges to improve upon its facilities to benefit students.

Mr. C.B.K. Archampong was honoured by Philosophy Students' Association (PHISA) for his dedicated service to the Department. Dr. H. Lauer who was on Sabbatical leave resumed duty. The appointment of Dr. M. Dukor, a Visiting Lecturer, expired on 31st July, 2002 and has since left the Department.

During the year under review, Dr. Kwasi Agyeman, the head of Department, was promoted to a Senior Lecturer Grade. He was also appointed as the Board Chairman of the National Service Scheme by the Council of State.

### **Courses**

Courses offered at the undergraduate and postgraduate levels include:

#### **Level 100**

PHIL 101	-	INTRODUCTION TO LOGIC
PHIL 102	-	INTRODUCTION TO ETHICS
PHIL 103	-	INTRODUCTION TO PHILOSOPHY
PHIL 104	-	INTRODUCTION TO AFRICAN AND WESTERN PHILOSOPHICAL ISSUES

#### **Level 200**

PHIL 201	-	PROBLEMS OF PHILOSOPHY
PHIL 202	-	THEORIES OF HUMAN NATURE
PHIL 203	-	ELEMENTS OF FORMAL LOGIC
PHIL 204	-	LOGIC AND CRITICAL THINKING

#### **Level 300**

PHIL 301	-	DEDUCTIVE LOGIC
PHIL 302	-	EMPIRICISM
PHIL 303	-	RATIONALISM
PHIL 304	-	SOCIAL AND POLITICAL PHILOSOPHY
PHIL 305	-	SOCRATES AND PLATO
PHIL 306	-	EXISTENTIALISM
PHIL 307	-	MORAL PHILOSOPHY
PHIL 308	-	THE PHILOSOPHY OF ARISTOTLE
PHIL 309	-	PHILOSOPHY OF THE HUMAN SCIENCE
PHIL 312	-	PHILOSOPHY OF MIND
PHIL 314	-	AFRICAN PHILOSOPHY

#### **Level 400**

PHIL 401	-	METHODOLOGY OF THE NATURAL SCIENCE
PHIL 400	-	LONG ESSAY
PHIL 403	-	MODERN ANALYTIC
PHIL 404	-	THEORIES OF JUSTICE
PHIL 405	-	VALUE THEORY
PHIL 406	-	PHILOSOPHY AND CONTEMPORARY AFRICAN EXPERIENCE

PHIL 407	-	THE PHILOSOPHY OF KANT	
PHIL 408	-	PHILOSOPHY OF HISTORY	
PHIL 409	-	MEDIEVAL PHILOSOPHY	
PHIL 412	-	INTRODUCTION TO THE PHILOSOPHY OF MATHEMATICS	
PHIL 413	-	APPLIED ETHICS PHIL 4 14 - TWENTIETH CENTURY METAPHYSICS	
PHIL 415	-	PHILOSOPHY OF CULTURE	
PHIL 416	-	PHILOSOPHY TEXT/SPECIAL AUTHOR	

### Course Structure Graduate Courses

#### First Semester Year 1

##### Core Courses

PHIL 601	Metaphysics and Epistemology	-	4
PHIL 605	Moral Philosophy	-	4
PHIL 607	Ancient Greek Philosophy	-	4
PHIL 610	Research Methods	-	2

##### Electives

PHIL 603	African Philosophy: Traditional and Modern	-	4
PHIL 609	Philosophy of the human Sciences	-	4
PHIL 611	Philosophy of the Mind	-	4
PHIL 613	Mathematical Logic	-	4

#### Second Semester

##### Core Courses

PHIL 602	Modern Analytical Philosophy	-	4
PHIL 604	Social and Political Philosophy	-	4
PHIL 606	Philosophy of Logic and Language	-	4
PHIL 610	Research Methods	-	2

##### Electives

PHIL 608	Philosophy of Culture	-	4
PHIL 612	Philosophy of the Natural Sciences	-	4
PHIL 614	Philosophical Issues in Contemporary African Experience	-	4
PHIL 616	Medieval Philosophy	-	4

#### First Semester Year 2

PHIL 615	Seminar: a detailed critical examination of a Selected philosophical text	-	3
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#### Second Semester

PHIL 618	Seminar: a detailed critical examination of a Selected philosophical text	-	3
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### Number of Students for 2000/2001 Session

Level 100	-	1651
Level 200	-	802
Level 300	-	231
Level 400	-	65
Level 600	-	2
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Total Number		2751
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### Staffing Position

Dr. Kwasi Agyeman	-	Senior Lecturer/ Head of Department
Prof. Kwame Gyekye	-	Professor on Contract
Mr. C.B.K. Achampong	-	Senior Lecturer on Contract
Dr. Joseph Osei	-	Sabbatical Leave
Dr. Helen Lauer	-	Senior Lecturer
Dr. M. Dukor	-	Visiting Lecturer
Rev. J. Apea Assamoah	-	Lecturer
Mr. Martin Odei Ajei	-	Lecturer

### Non Academic Staff

Mr. John Asante  
Mr. Kingsley Arthur  
Mrs. Anastasia Annorbah

Four National Service Personnel were posted to the Department and served as Tutorial Assistants

### Research Activities

The research areas in which the Faculty Staff were involved include:

#### Assamoah, J.A.

- Currently engaged in a research into the relationship between Virtue and Conscience in African Ethics.

#### Agyeman, K.

- Epistemology, metaphysics, Ethics, Jurisprudence & Continental Philosophy and Social and Political Philosophy.

#### Ajei, M.O.

- Examining the similarities between some presuppositions of Akan metaphysics and Quantum physics, as well as the relevance of Akan socio-political theories for good governance in the contemporary democratic setting in Ghana.

**Gyekye, K.**

- Currently engaged in research on Philosophy and Contemporary African Experience, Philosophy of Culture, Culture and Values.

**Osei, J.**

- On Sabbatical leave, currently in Florida, U.S.A. researching on Development issues facing Africa.

**Lauer, H.**

- Currently engaged in a book Project: History and the Philosophy of Science for Science Students.

**Extensions****Gyekye, K.**

- Dean of Academic Affairs at the Ghana Armed Forces Command and Staff College, Teshie, an affiliate college of the University of Ghana, Legon.
- President, Africa Chapter of the International Society for Human Values.
- Teaches African Philosophical Thought at St. Paul's Catholic Seminary, Sowutuom, Accra.

**Agyeman, K.**

- Workers College, External Degree Centre.
- Ghana Armed Forces Staff College.

**Ajei, M.O.**

- Lecturer in Philosophy on the Trent-in-Ghana Programme at the Institute of Economic Affairs, Accra
- Workers' College, External Degree Centre.
- Adjunct Lecturer in Social Theory at Ashesi University College, Accra.

**Assamoah, J.A.**

- Workers' College, External Degree Centre
- Methodist University College, Accra

**Lauer, H.**

- Workers' College, External Degree Centre.

**Publications****Dukor, M.**

Working on the following Books and articles;

- Philosophy And Politics (edited work).
- The Concept of African Freedom (PHD Thesis)
- Papers/articles on Logic, Epistemology and Philosophy of Science.



**Agyeman, K.**

- Moral Democracy.
- Module for Ghana Institute of Management and Public Administration (G.I.M.P.A.).
- A paper on Conceptual Elucidation on Business Ethics forthcoming in Legon Business Journal.
- Intra-Faculty Lecture: When the King speaks, I don't speak.
- Ghana Academy of Science & Arts: Lecture on Ideology.
- Panlist on Int. Conference on National Truth and Reconciliation.
- A paper on Reconciliation For Centre for Democratic Development.

**Gyekye, K.**

- "Our Social Values: A critical Look" -delivered in March 2001 at a Symposium organised by the Busia Foundation.
- "Family Values in the Traditional African Society" Keynote address for a Workshop organised by the Centre for Social Policy, Nov. 2000.

**Ajei, M.O.**

- Indigenous Knowledge systems and good Governance in Ghana: The Akan Socio-Political Example. Occasional Paper No. 31. I.E.A, Accra.

**Grills, C. and Ajei, M.**

- (2002) Africa-centered Conceptualizations and Conscionstress: The Akan Model Parham T.(ed.) Theranpetic Approaches with African American Populations. Sage Publications.

**Conferences/Seminars/Workshops****Agyeman , K.**

- Participated in the Conference organized by the International Society for Youth and Human Values, African Chapter , Accra. 8th - 14th July, 2002 . Paper presented: "The Benefits of Piety: A Philosophical basis for Applied Values".
- International Conference on "Policy Development and Implementation For National Youth Service Scheme Worldwide", Argentina. 3rd-6th September, 2002.
- Speaker, Conference on Philosophy and the Quest for Responsible Governance in Africa, Enugu : Paper Presented: "The Quest for Moral Democracy".

**Gyekye, K.**

- International Conference on Youth and Human Values, Accra 8-11th July, 2002.
- International Conference on Youth and Human Values, Geneva, 8-11th October, 2002.

**Assamoah, J.A.**

- Conference organized by the International Society for Youth and Human Values, African Chapter. 8th-11th July, 2002. Paper presented: "Moral Training as Essentially Character Building".

**Ajei, M.O.**

- Participated in the Conference by the International Society for Youth and Human Values, African Chapter, Accra 8th-11th, July 2002. Paper presented: "Political Violence: The Role of the Youth in the Search for Good Governance in Africa."

## **DEPARTMENT FOR THE STUDY OF RELIGIONS**

### **Overview**

In the year under review Rev. Prof. Elom Dovlo who was promoted to Associate Professor started a 2-year sabbatical leave. Rev. Dr. Kahl Werner was granted a year's leave of absence whilst Rev. Dr. B.Y. Quarshie was also promoted to Senior Lecturer. Mr. Harry Agbana was appointed as Lecturer in the Department. Miss Leticia Laryea was posted to the Department as Administrative Assistant whilst Mr. T. J Essien was transferred from the Department. Mr. E.A Abbey left the department. We also had the opportunity to work with Mrs. Eunice Ahorso Dadson and Newman Tei Engman two illustrious National Service Personnel.

As usual, the Department ran several courses in Diploma, Undergraduate and Postgraduate level. Several M.A theses were completed and the awards conferred on the authors. A Ph.D thesis, the second in the Department since 1978 was successfully defended by Rev. Foli. We had the privilege of hosting Prof. Noel King, the second head of the Department who gave a public lecture on "Salute the Black Queen of Independence and of Today: Religions, Independent Ghana, Future and Prospects."

The Religions Students' Association of Ghana RESAG continued to thrive and contribute to the overall development of the Department.

Members of the department co-ordinated the Religion and Traditional Leadership Workshop organized by the Institute of African Studies.

### **Extension Work**

The Department continued to co-ordinate the activities of five seminaries in the country. They are Trinity Theological Seminary, Legon, St. Victor's Major Seminary, Tamale, Christian Service College, Kumasi, St. Peter's Major Seminary, Pedu Cape-Coast and Ghana Baptist Seminary, Abuakwa-Kumasi. Maranatha Bible College and the Church of Pentecost Bible College also applied for affiliation with the Department. These are under review. The Islamic University College discussed the possibility of affiliation to the University through the Department. Faculty Members

continued to teach at Accra Workers' College and were panel members of the National Accreditation Board, and are also represented on the National Media Commission. In addition the Department had a representative on the Religious Advisory Committee of the Ghana Broadcasting Corporation.

### **Staffing Position**

Even though there was one appointment, increasing the staff position to 11 full-time lecturers and 2 part-timers, the Department still faced acute space problems in providing adequate offices for lecturers and a library that can cater for the large number of students who are increasingly offering Religions.

### **Student Numbers**

LEVEL 100	520
LEVEL 200	400
LEVEL 300	268
LEVEL 400	135
LEVEL 600 PT. II	4
LEVEL 600 PT. I	5
DIPLOMA I	47
DIPLOMA II	46
<b>TOTAL</b>	<b>1425</b>

### **Research**

#### **Ammah, R.**

- Violence Against Women in the Muslim Community.
- Women and Leadership in the Muslim Community.

#### **Omenyo, C.**

- Completed a major work on Charismatic Renewal in the Mainline Churches in Ghana.
- Continued research on Ecclesiological Trends in Ghana.

#### **Atiemo, A.**

- Began research towards Ph.D.  
Topic: Religion and Human Rights: Towards the Inculturation of Human Rights in Contemporary Ghanaian Society

#### **Yeboah, B.**

- For PhD in Old Testament Studies and Hebrew Language.  
Topic: Ritual Purity System in Worship: From Post-exilic Judaism to the Early Church. Accepted by: Faculte universitaire de theologie Protesttante, Brussels, Belgium.
- Apocalypticism in African Traditional Religion. . Research undertaken with Prof. Joan Annandale- Potgieter, University of South Africa. To be

## **Conferences, Seminars and Workshops**

### **Ammah, R.**

- "Islam, Gender and Leadership" at Religion and Leadership Conference Organized by Institute of African Studies November, 200.
- Islam and Leadership National Conference organized by Institute of African Studies.
- "Overcoming Obstacles in Christian- Muslim Relations: Setting the Agenda" Conference on Building Bridges, held at Lambeth Palace January 17-18 2002.
- Invited by the U.S.A. State Department under the International Visitors Programme for three weeks. The Programme took me to the states of Washington DC, Virginia, Illinois, New York and Georgia.

### **Quarshie, B.Y.**

- African Theological Fellowship Regional Conference. (Grand Bassam, Ivory Coast, 9th – 15th September 2001). Theme: A Christian Vision for the African Renaissance". Served as a rapporteur for the West African sub-group.
- Akrofi-Christaller Memorial Centre (ACMC), Akropong, Graduate Seminar (ACMC, Akropong, 28th November 2001). Presented the Keynote Paper on "Doing Biblical Studies in the African Context – New Opportunities, New Challenges".
- West African Association of Theological Institutions (WAATI), Ghana Conference. (Valley View University, Oyibi, Accra, 29th November – 1st December 2001). Theme: Spirituality and Theological Education in Africa. Presented a paper on "Biblical Studies, Spirituality and Theological Education in Africa – The Case of Ghana".
- Institute of African Studies, University of Ghana, Legon, Seminar. (NMIMR, Legon, 21st – 23rd January 2002). Theme: Christianity and Traditional Leadership. Served as a respondent for a paper, "Biblical Models of Leadership", presented by Emeritus Prof. K. A. Dickson.
- Presbyterian Church of Ghana (PCG), Accra New Town District, Training for Session Members. (Accra New Town, 26th January 2002). Presented a paper on "Leadership and Reform Polity".
- ACMC, PCG Ministerial Probationers Course. (ACMC, Akropong, 28th January – 2nd February 2002). Theme: "Preparing to Serve the Gospel". Presented a three-part series of Bible Expositions.
- ACMC Writers' Workshop sponsored by Overseas Ministries Study Center (OMSC), USA, Dictionary of African Christian Biography (DACB) and African Theological Fellowship (ATF). (ACMC, Akropong, 5th – 7th February 2002). Theme: Documenting African Christian History. Presented a paper on "Reading the Bible in Ghana".
- Presbyterian Church of Ghana, Sakumono and Adenta Joint Retreat for

- Presbyters. (VRA Club House, Akuse, 5th – 6th July 2002). Theme: The Call to Serve (Leadership). Presented a paper on the theme.
- APMC 12th Pastors' Mission Workshop I & II. (APMC, Akropong, 8th – 12th July and 22nd – 26th July 2002). Theme: Dynamics of Spiritual Impact in Ministry. Presented a three-part series of Biblical Reflections for each Session.
- PCG Committee on Youth Ministry Third Presbyterian Youth and Students Assembly (Preysa) 2002. (Mensah Sarbah Hall, University of Ghana, Legon, 7th – 11th August 2002). Theme: Uniting in Change for Christ, Forward with the Church. Presented an exposition on the theme of the Assembly.
- WAATI Biennial Conference. (Valley View University, Oyibi, Accra, 4th – 9th August 2002). Theme: Spirituality and Theological Education in Africa. Presented a paper on "Biblical Studies, Spirituality and Theological Education in Africa – The Case of Ghana".
- African Association for the Study of Religion, Ghana, Conference. (IAS Chalets, Legon, 10th August 2002). Theme: The State of Religious Studies in Ghana. Presented a paper on "The Study of the Bible at the University of Ghana, Legon – Past, Present, prospects"

#### **Atiemo, A.**

- October 2001 Seminar on Leadership and African Traditional Religion.  
Venue: institute of African Studies.  
Paper: A Response to a Paper on Chieftaincy.
- Seminar on Religion and Leadership  
Paper: A Response to Two Papers Presented on Leadership and Charismatic Churches  
Date: 20th -23rd January 2002  
Venue: Institute of African Studies- University of Ghana, Legon.
- Writers Workshop On the Dictionary of African Christian Biography  
Date: 5th-7th, February 2002.  
Venue: Akrofi-Christaller Centre on Missions Research and Applied Theology, Akropong-Akwapim.
- Biennial Conference of the West African Association of Theological Institutions (WAATI)  
Paper: " Popular Ghanaian Christian Spirituality and Theological Education"  
Date: 4th -9th August 2002.  
Venue: Valley View University, Oyibi, and Accra.
- A Symposium of the African Association of the Study of Religion Ghana Chapter, Institute of African Studies, Legon  
Theme: The Study of Religion in Ghana: Past, Present, and Future.  
Date: 10th August 2002.

#### **Sulemana. H.M.**

- Islam and Leadership, Institute African Studies, Legon, November 7, 2001.

Paper: Emerging New Forms of Leadership in Islam

- "International Terrorism's Impact on Ghana and Africa
- Organizer: Public Affairs Section of the America Embassy, Novotel, Accra, March 11, 2002. Paper: The Impact of September 11 on Islamic Development Organizations in Ghana.
- Theme: "The Role of Islam in the Promotion of Peace"
- Organizer: Ghana Muslim Students Association- Koforidua Polytechnic Branch
- Venue: Koforidua Polytechnic
- Date: 1st June 2002
- Paper: Islam and Terrorism
- The State of Religious Studies in Ghana
- Organizer: African Association for the Study of Religion
- Venue I. A. S. Chalets, Legon.
- Date: 10th August 2002
- Paper: The Study of Islamic Studies in Ghana.

#### **Omenyo, C**

- Conference on Leadership in Ghana, organized By the Institute of African Studies, Noguchi Memorial Institute for Medical Research, Legon, 2002
- International Reformed-Pentecostal Dialogue, August 20-26, 2002. Amsterdam, The Netherlands
- Seminar on Researching New Religious Movements, organized by Study and Advisory Group on Africa (SAGA), at the Inter-University Institute for Missiological and Ecumenical Research (IIMO), Utrecht University, Utrecht, The Netherlands, September 10th 2002.

#### **Amoah, E.**

- Helped organize a 4 day workshop on HIV/AIDS: A Challenge to the faith Communities: at the Institute of African Women in Religion and Culture, April 2002
- As a member of a Pan-African Research Team attended a Conference on Religion and Poverty in Johannesburg, South Africa July 2002
- As a member of the Concerned African Women Theologians attended a conference in Addis Ababa, Ethiopia on Sex, Stigma and HIV/AIDS: A Challenge to Faith Communities August 2002.
- As a member of a working group for W.C.C. attended a conference on Voices of Women on Being Church.

#### **Ganusah, R.**

- Biennial Conference of West African Association of Theological Institution's 4th-9th, 2002 Valley View University Accra
- National Conference on Religion and Traditional Leadership, 22nd- 24th, April 2002. Accra International Conference Centre and Noguchi Memorial Centre.
- Workshop on " Feminist Doctor of Ministry Program" San Francisco

**Agbanu, H.K.L.**

- Biennial Conference of West African Association of Theological Institutes held at The Valley View University, Oyibi, Accra, 4th – 9th August 2002. Theme of Conference: Spirituality and Theological Education
- National Conference on Religion and Traditional Leadership held at the Accra International Conference Centre and Noguchi Memorial Institute from 23rd to 24th April, 2002. Served as rapportuer.

**Publications**

**Ammah, R.**

- "The Role of Women in a Free Ghanaian Society" in The Seed No. 1 June, 2002 p. 8
- "Poverty in the Ghanaian Muslim Community-The Islamic Solution" in The Reminder Vol.2 No.1 July – September 2002. Pp8-11
- "Building God's Peace and Justice Together" in The Road Ahead a Christian Muslim Dialogue (ed) Michael Iprgrave pp96-102 Church House Publishing 2002.

**Atiemo, A.**

- Zetaheal Movement in Ghana: Christians and Muslims Worshipping Together? Accepted for publication by Exchange

**Sulemana, H.M.**

- "A Survey of Islamic Non- Governmental Organisations in Accra" (pp 138-161) Social Welfare in Muslim Societies in Africa (ed) Holger Weiss
- Publ. Nordiska Afrikainstitutet 2 Blanders, Gotab, StockholmSweden 2002

**Omenyo, C.**

- Cephas N.Omenyo, "Charismatic Churches in Ghana and Contextualization" Exchange, Vol. 31:3, July 2002, pp. 252-277.
- Cephas N. Omenyo, " From the Periphery to the Centre: Charismatization of Mainline Churches in Ghana" , in Mika Vahakangas & Andrew A. Kyomo (eds.), Charismatic Renewal in African Christianity (Nairobi: Acton Publishers, 2002) [Forthcoming]

**Amoah, E.**

- Amoah Elizabeth (ed) : Divine Empowerment of Women in Africa's Complex Realities SamWoode Ltd. Accra 2001
- Amoah E & Oduyoye M.A. (ed): " When Silence is no Longer an Option" pub. Sam Woode Ltd. Accra 2002.

**Ganusah, R.**

- Forth-coming: "Informed Choices: Theological and Ethical Issues in New Human Reproductive Technologies".

**Quarshie, B.Y.**

- "Doing Biblical Studies in the African Context – The Challenge of Mother-tongue Scriptures," *Journal of African Christian Thought*, Vol. 5, No. 1, June 2002, pp. 4–14.

**Extension****Quarshie, B.Y.**

- Appointment to Committees:
- Member, Search Committee for a Principal for the Presbyterian University College, Abetifi.
- Member, Presbyterian Church of Ghana Committee on Ministry, Training, Scholarship and Counselling.
- Member/Secretary, Select Committee on the Constitution of the Presbyterian Church of Ghana.

**Yeboah, B.**

- Christian Religious Broadcasting Advisory Committee.

**Benefactors**

- Sheikh Mustafa Ibrahim Islamic Council for Development and Humanitarian Services- Books, Computer and Printer.
- REGA- Set of Furniture for General Office.



## FACULTY OF LAW

### Overview

Work in the Faculty went on smoothly during the year under review. Professor Akua Kuenyehia was re-elected to serve as Dean for the period June 2002 to June 2005.

The last batch of direct intake from SSS/ 'A' level students to the Faculty completed in May 2002. The first batch of the Post first degree LLB students graduated during the year under review.

The work on the new Faculty building is progressing steadily. Alumni and friends of the Faculty continued to donate generously in support of the Faculty building project.

### Students Population

During the year under review, eighty-five students including 4 non-Ghanaians were admitted to pursue the post first degree LLB. The Faculty admitted five graduate students to pursue the LLM programme. The total student population is 148 and the breakdown is as follows:-

Level 300	Level 400	LLM Part I	LLM Part II
85	56	5	2
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85	56	5	2
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### Staff Publications

#### Kuenyehia, A.

- Economic and Social Rights of Women: A West African Perspective. In Common Ground or Mutual Exclusion? Women's Movements & International Relations. Eds Marriane Braig and Sonja Wolte pp 160-170. Published by Zed Books 2002.

#### Dankwa, E.V.O.

- The African System for the Protection of Human Rights, 1986 -2002. pp. 12. To be published by Human Rights Law Journal.
- The Impact of Intestate Succession Law, 1985 (P.N.D.C.L, III) on the Family, p. 45. To be published by UNPF.
- Accumulation of Wealth and Impoverishment of Widows and Surviving Children, Consequences of Law II', pp. 32. To be published by UNPF.

#### Sarpong, G.A.

- "Wildlife Legislation and the Bush Meat Crisis in Ghana", Journal of International Wildlife Law and Policy, pp. 16 (forthcoming).

- "International Environmental Law and the Ghanaian Courts" in Michael Anderson and Paolo Galizzi (eds.), International Environmental Law in National Courts (British Institute of International and Comparative Law, 2002), pp.109-120.
- "Access to Environmental Justice in Ghana," 21 RGL pp. 17-40 (forthcoming).

**Quashigah, K.E.**

- The African Charter on Human and Peoples' Rights: Towards a More Effective Reporting Mechanism, Centre for Human Rights, University of Pretoria, (Published by the Centre for Human Rights, University of Pretoria, as Occasional Paper No.13 64 pages), April 2002-11-28

**Ampofo, K.K.K.**

- Presented paper titled "Intellectual Property Rights, Research and Development (R&D) In Fragile African Economies of The South: Some Thoughts On Impediments To the Embrace Of Entrepreneurship" at the Annual Meeting of the International Association of Teachers and Researchers In Intellectual Property Law (ATRIP), New Delhi, India, October 6-8, 2002. (\*Paper being finalised for publication by ATRIP.

**Conferences/Seminars/Workshops**

**Kuenyehia, A.**

- Protecting Women's Rights under the African Charter on Human and Peoples' Rights. Paper delivered at a Capacity Building Training Course on Promoting Accessibility to the African Commission on Human & Peoples' Rights etc Organised by Africa Legal Aid, Accra, Sept 2002
- Ethics and Justice in the Family In the Era of HIV/AIDS- A workshop on Gendered Family Dynamics & Health. African Family Studies in a Globalising World. Organised by the Institute of African Studies & The School of Public Health, University of Ghana, Legon. Oct 2002.

**Dankwa, E. V. O.**

- Human Rights Defenders from the Arab Region -Geneva Consultation, organised by the Office of United Nations High Commissioner for Human Rights and the International Service for Human Rights, 24th March 2002. Paper Presented: "Cross-Cultural Perspective, The African Dimension."
- Recommendations and the follow-up to the World Conference Against Racism, organised by International Service for Human Rights, 25th March 2002.  
Contribution: The African Perspective.
- Attended the 31st Session of the African Commission on Human and Peoples' Rights' in Pretoria, South Africa, 2nd -16th May, 2002.
- Presented a Paper at a Pre-session NGO Forum on Communications Procedure of the African Commission on Human and Peoples' Rights.

- Participated in the Inaugural Session of Brandeis Institute for International Judges at Brandeis University, Waltham, Massachusetts, U.S.A. 9th- 15th May, 2002.
- Workshop for Parliamentary Select Committee on Foreign Affairs in Collaboration with Ministry of Foreign Affairs, LECIA and Friedrich Ebert Stiftung on the African Union at Ho. 29th June -1st July 2002. Paper: The African Union and Human Rights in Africa.
- African Culture and the Fight Against Torture, organised by International Federation of Action by Christians for the Abolition of Torture, Dakar, Senegal. 29th July -1st August, 2002.
- Panellist on the theme: "International Community and torture in Africa: Roles and Responsibilities".
- Launching a Project to Project, Promote and Protect the Rights of Prisoners by Legal Resources Centre, Nima. 6th August, 2002. Paper: The International Legal Framework For The Protection Of Prisoners' Rights.
- 11th September and Its Aftermath, organised by Orthodox Academy of Crete Greece and Martin Ennals Foundation, Geneva Switzerland, Crete. 18th -21st September, 2002. Paper: The African experience ad Responses
- Regional Systems for the Protection of Human Rights with Particular Reference to Asia, organised by Friedrich Naumann Foundation, Strasbourg, France. 6th- 10th October, 2002. Paper: The African System for the Protection of Human Rights, 1986- 2002.

#### **Sarpong, G. A.**

- Attended Freshfields Bruckhaus Deringer Seminar on Liberalisation of Energy Markets: the EU perspective; London, United Kingdom (6 November, 2001).
- Presented a Seminar at the University of Nottingham under the British Council sponsored link in the International law of Sustainable Development between the University of Ghana and University of Nottingham, titled "The Protection of the Environment: An African Perspective" (14 November, 2001).
- National Bush Meat Crisis Conference, Accra (28-29 August, 2002). Presented a paper titled, "Wildlife Legislation and the Bush Meat Crisis in Ghana".
- FAG/Government of Ghana workshop on Baseline Study on Food Safety, Accra (18 September 2002). Presented a report titled, "Legislative Component-Baseline Study on Food Safety in Ghana".

#### **Ampofo, K.K.K.**

- International Association of Teachers and Researchers In Intellectual Property Law (ATRIP), Annual Meeting, Lausanne, Switzerland, September 2001.
- Workshop on World Intellectual Property Day, April 26 2002, British Council Hall, Accra.

- International Association of Teachers and Researchers In Intellectual Property Law (ATRIP), Annual Meeting, New Delhi, India, October 6-8, 2002.

### **Atuguba, R.**

- "General Principles in Law Making: Reflections on the Fire Precautions Regulations, 2001 (L.I 1674)".
- Paper presented before the Parliamentary Committee on Subsidiary Legislation, on behalf of the Legal Resources Centre on the 5th of July 2001.
- "Monitoring Police Performance in Ghana".  
Paper Presented at the "Roundtable on Police and Policing" Organised by the African Security Dialogue and Research, Accra, August 20-22, 2001.
- "Challenges Faced by Moslem Marriages in Ghana's Plural Legal System: Strategies for Improvements."  
Paper Presented at a Seminar organised by the Family Law Focal Area of the German Development Cooperation (GTZ) at the La Beach Hotel on the 23rd May 2002.
- "Pitfalls in Negotiations". Paper presented to Public and Private Sector officials at a seminar organised by the Commonwealth Secretariat at Novotel Hotel, Accra on the 23rd May 2002.
- "Alternative to the Case for Regulating the Importation of Second-Hand Motor Vehicles as Stated by 'Coalition for Regulating the Importation of Second-Hand Vehicles (CRISVE)'"'. Paper prepared together with Mohammed A. Ayariga, Julius N. Fobil and Ameley Dankwa and presented to the Finance Committee of Parliament on the 10th and 12th June 2002.
- "Police-Community Relations in Ghana: the Case of Nima and Mamobi".  
Paper delivered at a forum organised by the Legal Resources Centre, the Public Relations Directorate, Police Headquarters and the Nima Divisional Command of the Ghana Police Service on the 13th of July, 2002
- "Memorandum to Parliament on the Courts (Amendment) Bill, 2002".  
Memorandum prepared with assistance from Mohammed Ayariga and presented to the Parliament of Ghana in July 2002.
- "The Registration of Moslem Marriages in Ghana: Facts, Issues and Recommendations from Field Research".  
Paper presented at a seminar organised by the Family Law Focal Area of the German Development Cooperation (GTZ) at the GNAT Hall, Kumasi on the 13th of August 2002.
- "Key issues in contemporary Ghanaian policing; identifying reform priorities to generate consensus on proposals for reforming the Police Service"  
Paper presented at a seminar organised by the ASDR and the UNDP for the Top Management of the Ghana Police Service on the 22 and 23rd of August, 2002.
- "Public Security, Institution Building, and Modes of Domination in Ghana: A Tale of Power, Poverty and Patriarchy". Paper presented at the Harvard Law School, Boston, MA, USA on the 19th of September, 2002.
- "New Trends in Human Rights Activism in Africa". Paper presented at the International Human Rights Program of the Indiana Law School, Indianapolis,

USA on the 23rd of September 2002.

- "Legislative Drafting for Democratic Social Change: A case study of the New Registration of Moslem Marriages Law in Ghana". Paper presented at the Boston University Program on Legislative Drafting for Democratic Social Change on 18th September, 2002.
- "Key issues in Policing in the 21st Century". Paper Presented at Regional Consultative Workshops for middle level staff of the Ghana Police Service at the GNAT Hall in Kumasi on the 7th and 8th of November, the Takoradi Beach Hotel in Takoradi on the 11th and 12th of November and the Kama Conference centre, Accra on the 21st and 22nd of November 2002.
- "Legal Pluralism and Law making in Ghana-Focus on family laws". Paper presented to members of Parliament at Akosombo Hotel, Akosombo on the 28th of November, 2002.
- "Colonialism, Institutionalism and Democratic Social Change through Law-Making in post-colonial settings." Paper presented on my behalf at the African Studies Annual conference in Washington DC, USA on the 6th December, 2002-11-21.

### **Technical Reports**

#### **Kuenyehia, A.**

- Review of Proposals for setting up HIV/AIDS Programmes in Tertiary Institutions in Africa- Association of African Universities. 2002
- Review of a Report commissioned by the National Council on Tertiary Education/World Bank HIV/AIDS in Tertiary Institutions in Ghana. 2002
- Review of Draft Marriage and Divorce Bill of Ghana GTZ Legal Pluralism Project, 2002
- Evaluation of Activities Under Project Support given to the African Commission on Human and Peoples' Rights by UNHCHR Geneva under Technical Cooperation with the OAU Project RAF/96/AN/30 February 2002.

#### **Sarpong, G. A**

- "Accra Metropolitan Environmental Health Initiative (AMEHI) Legislative Review". Final Report (July, 2002).
- "Legislative Component -Baseline study on Food Safety in Ghana, (July 2002).
- "Strengthening the National Food Control System in The Gambia: Legislative Component". FAG/Government of The Gambia Project on Food Safety (August, 2002).

#### **Ampofo, K.K.K.**

- April-November 2001 (in collaboration with Dr. S.K. Asibuo, School of Administration, Legon ) I prepared and completed a Major Study and Report on Regulatory Institutions in the Health Sector of Ghana for the DANIDA Health Sector Office (HSSO), Accra and the Ministry of Health, Accra, Ghana.

- January-February, 2001 (in collaboration with Mr. E.Y. Benneh, Faculty of Law, University of Ghana, Legon) I prepared and completed a Report for the National Accreditation Board, Ministry of Education on An Accreditation Exercise Undertaken At College of Arts and Sciences, Madina.

### **Other Activities and Extension Work**

#### **Amopfo, K.K.K**

- Reviewed and examined thesis/dissertation work done by E.F. Baimu in partial fulfilment of the requirements for the LL.M. Degree in Human Rights and Democratisation in Africa. The work was titled "The Challenges In Implementing The Right To Education Of Children With Disabilities In Africa: The Case Study Of South Africa."
- March-June 2002, I prepared a Model Marketing Agreement for the Cocoa Research Institute (Institute), Tafo, Eastern Region. The Agreement was to make possible the commercialization of a research output/product of that Institute.
- March 2002, Chairman of two-man Committee which prepared the Report titled "Report Enquiring Into Removal Of President and Secretary of Junior Common Room (JCR) of Commonwealth Hall, University of Ghana, Legon. The Committee was appointed by Master of Commonwealth Hall on Wednesday March 13, 2002.
- April 2002: Member of International Panel of three Judges for the World Intellectual Property Organisation (WIPO) International (2002) Essay Competition to mark WIPO Day.
- April 25, 2002: in collaboration with the European Patent Office (EPO) and the African Regional Industrial Property Organisation (ARIPO) I organized a one-day educational/training event for Faculty of Law Intellectual Property Law Class at the Distance Learning Centre, Gimpa, Legon.
- Lead Training Consultant on Negotiations Skills Training: In-Country Training Programme Activity sponsored by the Commonwealth Secretariat Desk Office/Ministry of Finance, Accra CDH Limited. Training activity done May 20-29, 2002, Novotel Hotel, Accra.
- July 2002, advised The Director, Noguchi Memorial Institute For Medical Research, University of Ghana, Legon on Intellectual Property law questions arising out of work being carried out by researchers at the Institute. I also reviewed a Confidential Disclosure Agreement given me for study.
- July-August 2002: prepared a proposal to the Food and Drugs Board, Ministry of Health to undertake review of food and drugs legislation in Ghana. Proposal has been accepted and work will start soon on the review activity.
- Prepared (August 2002) a "Background Working Paper On Economic Crimes In Ghana" for the Institute of Chartered Accountants, Ghana.
- August 2002, I prepared a Memorandum of Understanding which was entered into between the Home Science Department of the University of Ghana and Dr. Jean Steckle, Canada. The Memorandum of Understanding

established the "Dr. Jean Steckle Foundation" which, among other things, concerns research support for work of graduate students of the Home Science Department of the University of Ghana.

### **Link Programmes**

The Faculty maintained her links with the University of Leiden, The Netherlands, Queens University, Belfast, Northern Ireland, Northwestern University, and University of Nottingham, England during the year under review.

Mr. D. Ayine visited Queens University, Belfast, Northern Ireland from 1st – 4th March 2002.

Mrs. Christine Dowuona-Hammond visited University of Nottingham from 10th – 27th November 2002.

Mr. Emmanuel Yaw Benneh visited Northwestern University, School of Law, Chicago from 1st – 30th June 2001.

Mr. K.K.K. Ampofo visited Northwestern University, School of Law from June 7th – 27th June 2002.

Professor Kofi Kumado visited Northwestern University, School of Law from 7th – 27th June 2002.

Mr. G.A. Sarpong visited the University of Nottingham in November 2001.

Professor A. Kuenyehia – Co-ordinator of the Northwestern link visited the Northwestern University, School of Law from 11th to 28th October 2002.

Lecturers from the Faculty used the opportunity of the visits to hold seminars, teach, conduct research in the various Universities they visited.

Dr. Eileen Feegan and Dr. Rachael Murray from Queens University, Belfast visited the Faculty from 16th January- 30th January 2002. During their stay, they visited Human Rights Institutions and Non Governmental Organisations which deal with Gender issues. Dr. Matthew Happold from University of Leiden also visited the Faculty in May 2002.

Other visitors to the Faculty include Dr. Paolo Galizzi and Mr. Davies from the University of Nottingham.

Professor Cynthia Bowman Co-ordinator of Northwestern University programme visited the Faculty in July 2002 to complete work on a book she is co-authoring with Professor Akua Kuenyehia.

The Librarian of the Northwestern University Professor Christopher Simoni, visited

the Faculty from the 26th October to 9th November 2002, under the Northwestern Link. While here he worked with the Faculty Librarian on good practices in librarianship. He held training sessions for senior members and students of the Faculty on doing research via the internet. He also assisted our Librarian to install a software known as Spectrum GRC/CAT to help in the cataloguing and circulation of library materials.

The British Council donated books on various topics on Law worth € 11,033,000 (eleven million and thirty three thousand cedis) to the Faculty during the year under review.



# FACULTY OF SCIENCE

## DEPARTMENT OF BIOCHEMISTRY

### Overview

The physical facility at the department remained the same for the year under review. With the completion of the Chemistry building, two (2) wings of the old building with two (2) labs were assigned to the Department, however extensive repairs needed to be done in the two labs assigned. The Department had also requested for equipment and glassware for that wing to enable it move the level 300 lab work into those labs so intake of students at that level could be increased. This is yet to be done.

### Courses

Three new courses were drawn up. These were two (2) undergraduate courses and one graduate course namely:

BCHM 415	-	Xenobiotic Metabolism
BCHM 422	-	Introduction to Molecular Biology
BCHM 604	-	Principles and applications of Biotechnology

### Student Numbers

The following were the numbers of registered students in Biochemistry. Level 200 is made up of students of the Faculty of Agriculture and students taking Medical Laboratory Technology course.

#### Undergraduate

Level 200	-	45
*Level 300	-	196
*Level 400	-	46

#### Postgraduate

*M.Phil I	-	7
M.Phil II	-	3
Ph.D	-	2

\*Include students from other departments of the faculty including Zoology, Botany, Nutrition and Food Science, Chemistry and Psychology.

### Staff

There were seven senior members at post with one on study leave.

Dr. Jonathan Adjimani returned at the beginning of the 2nd semester from one year sabbatical leave.

The three (3) most senior Professors, Prof. Frederick Gyang, K.K. Oduro and Marian Addy officially left at the end of the year.

Prof. Gyang and Oduro had done five (5) years post retirement contract at the

Department. Fortunately, Prof. Gyang and Addy agreed to teach a course each at the graduate level for the current academic year.

No new members of the academic staff were recruited. However two (2) technicians and a messenger/cleaner were employed.

### **Staff Research Activities**

Staff still continue to carry out research in the underlisted area:

- Molecular Biology: of parasites, in identification of plants and microbial species; use as a diagnostic technique for delivery of disease-free planting materials and in diagnosis/monitoring and evaluation of schistosomiasis and lymphatic filariasis.
- Medicinal Plants: modes of action and possible toxicity of anti-asthmatic, anti-inflammatory, anti-diabetic, anti-anaemic and anti-malarial plant extracts; chemistry and insecticidal activity of secondary metabolites from plants; anti-fungal and anti-bacterial actions of 'Fungus Tea'.
- Drugs: potency and resistance.
- Safety evaluation of some Ghanaian alcoholic beverages.
- Immunology of parasites.
- Water quality analysis: microbial content; characterization of bacteria and their plasmids in drinking water.
- Life and toxicity of pesticide residues in agricultural produce.
- Biochemistry of insect-induced diseases of plants.
- Biochemical analysis and transformation of agricultural by-products.

### **Conferences/Seminars/Workshops**

All the members of staff participated actively in the 12th Annual Faculty of Science Colloquium, June 2002.

Prof. Marian Addy, Drs. J.P Adjimani and Yaa Difie Osei, Feb. 18-22 2001; Elmina Beach Resort – Workshop on Western Africa Network of Natural Products Research Scientists.

Drs. Sammy T. Sackey and Yaa Difie Osei - Visit to Diversa Corporation, San Diego, CA USA for visit and training on Collaboration; January 14-28, 2002.

### **Okine, L.K.N.**

- Ghana Health Service Seminar on Chemical Safety in Ghana; held at Milklin Hotel, Accra, May 22-23, 2002.

### **Osei, Y.D.**

- 1st Annual Research Meeting of the Noguchi Memorial Institute for Medical Research; October 29-31, 2001.

## **Publications**

### **Adamafio, N.A., Wepeba, J., Quansah, M., Asuah-Kwesi, N.B, Bimi K.L.**

- 2001. Cocoa Pod Husk: Biochemical Analysis of Nutrition-Related Constituents. Proc. 12th Faculty of Science Colloquium.

### **Adamafio, N.A., and Quaye, F.O.**

- 2001 Treatment of Selected Agro-based By-products with Corn Stalk Ash Extract: Effect on rate of digestion using Cellulase and  $\alpha$ -Amylase. Proc. 12th Faculty of Science Colloquium.
- 2001. Problems associated with the estimation of plasma lipoprotein using polyacrylamide gel electrophoresis. Proc. 12th Faculty of Science Colloquium.

### **Okine, L.K-N., Nyarko A.K., Ashiabor, E.M.S. and Ofosuhene, M.**

- (2002). Alcohol-induced Hepatotoxicity: A study of the effects of the Ghanaian alcoholic beverage "Akpateshie" in the rat (In press).

### **Okine, L.K-N., Nyarko, A.K., Wedzi, R.K., Addo, P.A. and Ofosuhene, M.**

- Subchronic Toxicity studies of the Antidiabetic Preparation ADD-199 in the rat: Absence of organ specific toxicity (Manuscript in preparation).

### **Adjimani, J.P. and Osei, Y. D.**

- (2001) Intellectual Property Rights. In Ghana Human Development Report. Science, Technology and Human Development; Chapter 5 UNDP Accra Ghana and ISSER, Univ. of Ghana, Legon.

### **Lockhart, B. E. and Sackey, S. T.**

- (2000). Cocoa swollen shoot virus. In Encyclopaedia of Plant Pathology, vol. 1 Otis C. Maloy and Timothy D. Murray (editors). John Wiley and Sons Inc., New York.

## **Collaboration**

The Department is still collaborating with Diversa Corporation, San Diego, USA on Molecular Biology research.

Ghana Breweries Limited helped with student projects in the Department.

## **DEPARTMENT OF BOTANY**

### **Overview**

The usual lack of resources, i.e. in adequate funds and limited space militated against the quality of instructions desired, particularly in relation to the Practicals.

This problem was aggravated by the larger number of students at all levels.

As a field-based discipline, the lack of resources - (e.g. a vehicle large enough to convey about 80/100 students at a time) to undertake Practical Sessions in the field for Courses in Ecology, Taxonomy, Resource Utilization and Conservation is lamentable. This is a problem that needs to be tackled as a matter of urgency.

The 4th International Training Course in Plant Tissue Culture for the West African Region was held in the Department of Botany Tissue Culture Laboratory. So far, 42 Scientists and Technicians have been trained in this Laboratory from Nigeria, Ghana, Benin, Cote d'Ivoire, Cameroon, Burkina Faso and Zambia.

### Staffing Position

This improved a bit with the hiring of three new and younger Lecturers and the use of 2 retired people as Visiting Scholars although it would have been preferable to have additional younger lecturers to develop the future direction of the Department.

G.T. Odamtten <i>MSc (Ghana) Ph.D (Wageningen)</i>	Professor/Co-ordinator, Integrated Microbiology Programme
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L. Enu-Kwesi, <i>MSc (Cape Coast) PhD (Waterloo)</i>	Associate Professor/Head of Department
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Elizabeth Acheampong <i>BSc (Nott) MSc, PhD(Biham)</i>	Senior Lecturer
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G.K. Ameka, <i>MPhil (Ghana) PhD (Ghana)</i>	Senior Lecturer
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Cecilia Amoah <i>BSc (K'si) MSc (Ghana) P. Dip (Delft)</i>	Senior Research Fellow (VBRP)
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Carol M. Markwei, <i>MSc (Ghana) PhD (Cornell)</i>	Senior Lecturer
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J. K. Adomako <i>MPhil (Ghana)</i>	Senior Lecturer
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F. Yankson <i>BSc (K'si) MSc (UBC)</i>	Research Fellow/Assistant Director, Botanical Garden
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I.K. Asante <i>MPhil, PhD (Ghana)</i>	Lecturer
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Ted Yemoah Annang, <i>MPhil (Ghana)</i>	Research Fellow ( V.B.R.P. )
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Essilfie K. Matthew, <i>BSc (UCC) MPhil (Ghana)</i>	-	Lecturer
Ebenezer Owusu <i>BSc, PhD (Ghana)</i>	-	Tutor/Lecturer
J.B. Wonkyi-Appiah <i>BSC (Ghana), M.Sc, PhD (Wales)</i>	-	Visiting Scholar
Vincent Von Vordzogbe <i>BSc, MPhil (Ghana)</i>	-	Lecturer
Rex Emmanuel Ofoe Chachu <i>BSc, Ph.D, M.I. Biol, C. Biol.</i>	-	Visiting Scholar
G.C. Clerk, <i>DIC PhD (Lond)</i>	-	Emeritus Professor
E. Laing, <i>BSc (Lond) PhD (Camb)</i>	-	Emeritus Professor
E.B. Frempong, <i>BSc (UST), PhD</i>	-	Part-time Lecturer

### **Courses and Students Statistics per Level 2001/2002 Session**

The Department ran Courses in Biology (at Levels 100 and 200).

Courses in various fields of Botany were also ran for students at Levels 300,400, M Phil I, II and Ph.D.

### **Student Statistics in the Department 2001/2002**

Level 100	-	570
Level 200	-	513
Level 300	-	106
Level 400	-	57
M.Phil. I	-	2
M.Phil. II	-	5
Ph.D	-	5

### **Conferences and Workshops**

Senior members of the Department participated in a number of National and International Workshops and Conferences.

#### **Enu-Kwesi L.**

- Tamale Meeting of United Nations University (UNU) Project on People, Land Management and Environmental Change (UNU/PLEC), Tamale, January 24-27, 2002.

### **Vordzogbe, V.V.**

- Tamale Meeting of United Nations University (UNU) Project on People, Land Management and Environmental Change (UNU/PLEC) Tamale, January 24-27, 2002.

### **Papers Presented**

#### **Asafo, L., Laing, E and Enu-Kwesi, L.**

- Tree-Crop Compatibility Studies - Effects of some traditional farming practices (e.g. leaving trees on farms, slash - burn and slash- no burn - "oprowka") on the growth and yield of some crops.

#### **Enu-Kwesi, L., Amirou, D., Vordzogbe, V.V. and Dauoda, D.**

- A comparative study of impact of use and other factors (edaphic and biotic) on the Vegetation of the Forest - Savanna transition Zone and the savanna ecosystem around Kourossa - Massaya in Guinea and Tamale - Kintampo in Ghana.

#### **Enu-Kwesi, L.**

- UNU/PLEC General Meeting, New York 23 - 27 April 2002.

### **Paper submitted/presented**

#### **Enu-Kwesi, L., Amirou, D., Vordzogbe V.V. and Dauoda, D.**

- Effects of different management practices on Biodiversity in the forest-savanna transition Zones in Guinea and Ghana, West Africa.

### **Research Activities**

#### **Laing, E.**

- Genetics and Heritability of Cowpeas (*Vigna unguiculata* Walp).

#### **Clerk, G.C.**

- Ultrastructure, Reproduction and Physiology of Fungi.

#### **Odamtten, G.T.**

- Post - harvest pathology and conservation of economic crops.
- Anti-microbial compounds in higher plants as control agents for plant pathogenic fungi.
- Fungal diversity and fungal biotechnology.
- Edible and poisonous mushrooms of Ghana.

#### **Enu-Kwesi, L.**

- Ecophysiology of useful plants in Ghana.
- Seed Biology - Dormancy and germination studies.
- Autecology of some timber species in Ghana.
- Biodiversity and Tree-Crop compatibility Studies.

**Wonkyi-Appiah, J.B. (Visiting Scholar)**

- Genetics and Plant Breeding.

**Acheampong, Elizabeth**

- In vitro multiplication of plantain, cocoyam other root tubers.

**Amoah, Cecilia**

- Water Quality, biological components of sewage.
- Aquatic and Microbiology.

**Markwei, Carol**

- Studies on mineral nutrition of *Vigna subterranea* (Bambara groundnut), and *Xanthosoma mafafa* (cocoyam).

**Ameka, G.K.**

- Ecology of Aquatic Macrophytes; Rheophytes of Ghana.

**Yankson, Mary**

- Regeneration of some ornamental plants.
- Studies on some diseases and pests of Ornamental plants.

**Adomako, J.K.**

- Field and laboratory studies on the regeneration of *Piptadeniastrum africanum*.

**Asante, I.K.**

- Quantitative Genetics and Plant Breeding.

**Annang, T.Y.**

- Decomposition of aquatic macrophytes by fungi.

**Abbiw, D.K.**

- Ethnobotany with emphasis on use of plants in traditional medicinal practices.

**Essilfie, M.K.**

- Systematic Botany

**Vordzogbe, V.V.**

- Plant Ecology.

**Projects**

The Department is undertaking the following Projects with International Organizations:

- Development of cryopreservation techniques for yam, cocoyam and frafra potato (LOA/SSA/2000/35).

- Assessment of Genetic Diversity of Cocoyam in Ghana (LOA/SSA/2000/07) both with the International Plant Genetic Resources Institute (IPGRI) (RAPD analyses of genetic diversity in *Xanthosoma sagittifolium*)
- Ecosyn Project : A research project on biodiversity and Management of West Africa Forests with Wageningen University and Research Centre, University of Cocody, Cote d'Ivoire, the Forestry Division, Ghana Forestry Commission, Ghana and SODEFOR, Cote d' Ivoire.
- G A T S B Y Research, Agric, Forestry and Fisheries to raise ( in tissue culture), cultivars of plantains for the Ministry of Food and Agriculture.

*\*There is collaboration between the University of Ghana, the International Plant Genetic Resources Institute, Rome and the United Nations University Institute of Natural Resources in Africa (UNU)/INRA to convert the Tissue Culture laboratory at the Botany Department, into a Centre of Excellence for Research and Post-Graduate Training in Plant Tissue Culture and Biotechnology in Africa.*

The Department completed the following projects with International Organizations:

- Darwin Initiative for survival of species on conserving and cultivating medicinal plants in Ghana. Organizations that participated were: the Royal Botanic Gardens, Edinburgh; Botanic Gardens Conservation International; World Conservation Monitoring Centre; Aburi Botanic Gardens and the Remote Sensing Application Unit, University of Ghana, Legon.
- Contribution of House Gardens to in situ Conservation of Plant Genetic Resources in Farming Systems in Ghana (Countries and Organizations that participated include South and Central American countries and the International Plant Genetic Resources Institute, Rome Italy).
- Biodiversity Assessment and Studies of the United Nations University Project on People, Land Management and Environmental Change (UNU/ PLEC) in Ghana.

### **Publications and Papers Presented at Conferences/Workshops**

#### **Odamtten, G.T., Yankson, M.F., Owusu, E. and Dennis F.**

- (2002). Hand book for the Cultivation, Propagation and Uses of Medicinal Plants. UNEP/WCMC Botanical Gardens Conservation International Publication.

#### **Agbovie, T., Amponsah, K. O'R., Crentsil, Dennis, F.,**

#### **Odamtten, G.T. and Ofosuhene-Djan, W.**

- (2002). Conservation and Sustainable Use of Medicinal Plants in Ghana. Ethnobotanical Survey <http://www.unep.wcmc.org/species/plants/Ghana>.

#### **Asante, I.K. and Offei, S.K.**

- RAPD - BASED GENETIC DIVERSITY STUDY OF FIFTY CASSAVA (MANI HOT ESCULENTA, CRANTZ) GENOTYPES EUPHYTICA (Accepted)



**Dzomeku, B. M and Enu-Kwesi, L.**

- (2001) Assessing the Population of buried seeds on the Accra plains. *Journal of the Ghana Sci. Assoc.* 3 (2) pp 78-83.

**Ameka, G.K. Pfeifer, E. & Rutis hauser, R.**

- (2002) Developmental morphology of *Saxicolella amicorum* and *S. submersa* (Podostemaceae: Podostemoideae) from Ghana. *Botanical Journal of the Linnean Society*, 139: 255 - 273.

## DEPARTMENT OF CHEMISTRY

The Chemistry Department continued to play a major role in the education of undergraduate students in the Science Faculty. The Department had the following student numbers at the various levels.

Level 100	678
Level 200	364
Level 300	64
Level 400	11
M.Phil Part I	3
M.Phil Part II	9
PhD	3

The large number of students especially in levels 100 and 200 continued to pose a major problem to the Department especially with respect to practicals.

The academic facility user fee was woefully inadequate and the department was always in the red. The lack of basic equipment for research continued to hamper research in the department. The rate at which glassware yets broken at practicals is unacceptable.

Lecturers continued to be overloaded because of the large number of students. This affected their research output tremendously.

At the undergraduate level the passing rate of students in examination continued to be disappointing. Obviously the large number of students hamper effective teaching and learning. At levels 300 and 400 the passing rate was still unacceptable.

In general students continued to show lack of interest in the subject. Their attendance rate at lectures was very low.

Some members of the department continued to serve on various boards and also as examiners of the West African Examination Council.

For the year under review the department had the following staff at post

Prof. W.R. Phillips

Prof. W.A. Asomaning

Dr. I.V. Opong (Head of Department)  
Dr. F.L. Phillips  
Prof. M. Dakubu  
Dr. C.T. Beni  
Dr. R. K. Akuamoah  
Dr. D. Carboo  
Dr. A.K. Brimah (on Sabbatical Leave)  
Dr. L. K. Doamekpor  
Dr. V. K. Nartey  
Dr.(Mrs.) D. O. Safo  
Mr S. A. Asunka  
Dr. K. Adaboh  
Dr. C.K. Akpabli

The department also made use of part-time lecturers to manage the large number of students.

### **Staff Publications**

#### **Carboo, D., Fobil, J.N. and Christian, C.**

- Defining Options for Integrated Management of Municipal Solid Waste in Large Cities of Low-Income Economies, The case of the Accra Metropolis in Ghana. (2002) *Journal of Solid Waste Technology and Management* 28(2) 106 - 117.

#### **Asomaning, W.A., Duker-Eshun, G., Jarozewki, J.W., Opong-Boachie, F., Olsen, C.E. and Christensen, S.B.**

- Antiplasmodial Activity of Labdanes from *Aframomum latifolium* and *Aframomum sceptrum*. *Plant Medica* 2002, 68 p. 640 - 642.

#### **Osei-Safo, D., Addae-Mensah, I., Asomaning, W.A., Garneau, F-X., Koumaglo, H.K. and Opong, I.V.**

- Insecticidal properties of *Clausena anisata* (Willd) Hook F. Ex. Benth. (2002). LASEVE (Univ. du Quebec à Chicoutimi Quebec, Canada) 2002. 5e Colloque Produits Naturels d'Origine Vegetale. Actes du Colloque de Sainte-Foy (Quebec). 7 - 9 August 2001. Ed. Guy Collin and F-X Garneau. ISBN 2-9801713-5-2. pp 179-186.
- Coumarins of the Chemovarieties of *Clausena anisata* LASEVE (Univ. du Quebec à Chicoutimi Quebec, Canada) 2002. 5e Colloque Produits Naturels d'Origine Vegetale. Actes du Colloque de Sainte-Foy (Quebec). 7 - 9 August 2001. Ed. Guy Collin and F-X Garneau. ISBN 2-9801713-5-2. pp 187 -192.

#### **Akpabli, C.K. and Drah, G. K.**

- Water Quality of the Main Tributaries of the Densu River, *Journal of the Ghana Science Association* Vol.3 No.2, 2001, 84 - 94.

**Yeboah, P. O., Lowor, O. and Akpabli, C.K.**

- Detection of Pesticides in Thin Layer Chromatography, Journal of Applied Science and Technology (JAST), Vol.6, Nos. 1 & 2, 2001, 108 – 115.

**Carboo, C., Serfor-Armah, Y. and Nyarko, B.J.B.**

- Speciation of As(III)/As(v) in biological materials in Report of 1st. Research Co-ordination Meeting for CRP on "Development of Speciation Analysis using Nuclear Techniques" held in Lubljana, Slovenia 20-23 June 2001. IAEA Report.

**Extension Activities**

Some members of the Department continued to provide services to the various boards and institutions including.

- Ghana Standard Boards – Technical Committee
- West Africa Examinations Council.
- Environmental Protection Agency

Dr Derick Carboo represented the department on the Cyanide Investigative Committee set up by the Ministry of Environment and Science to investigate the 2001 cyanide spill at Goldfields Ghana Limited at Tarkwa.

Prof. W. R. Phillips submitted a paper, on behalf of the department, to the Chemistry Review Panel at a Workshop organised by WAEC (Accra, 29th Jan – 1st. Feb., 2002) on the Content Validity of WAEC question papers for SSSCE in Ghana (1997 – 2000)

**Conferences, Seminars and Workshops**

Members of the department participated in various conferences and workshops.

Dr. C. K. Akpabli presented two papers at the 13th National Annual Conference of the Ghana Chemical Society, GAEC, Accra, 12th October, 2001:

- (i) Kinetics of Depletion of some Triazine Herbicides in two Soil Ecosystems, S. Afful, C.K. Akpabli and P. O. Yeboah;
- (ii) Solid Waste Contamination along the Intertidal Zone of Accra-Tema Beaches, C. K. Akpabli and R. Bruce.

Dr C. K. Akpabli presented a paper at the 12th Faculty of Science Colloquium, May 7-8.2002 University of Ghana, Legon:

Pollution of Surface Water Bodies: A case study of the water quality of the Densu River at Nsawam township in Ghana C. K. Akpabli and N. P.A. K. Taylor.

**DEPARTMENT OF COMPUTER SCIENCE****Overview**

The Computer Science Department continues to play leading role in the training of middle-level skilled manpower for the country's IT industry. The opportunities and

potential jobs in computing and Information Technology in Ghana are enormous and therefore there is great deal of pressure from both fresh and continuing students on enrollment. However, the Department is presently saddled with the following constraints:

### **Recruitment of staff**

Unlike in the past, there is now a slight improvement in the staff positions in the department. Presently there are four full time Senior Members in the Department. The Department is assisted by one part time Lecturer from the industry and two Visiting Scholars from China..

### **Inadequate Computing Facilities**

Manpower training in Computer Science must necessarily contain substantial practical component which should reflect the state of the Art Technology and meet the requirements of the Computer Industry. The University authorities made efforts to increase computing facilities of the Computer Science Department.

### **Programme**

There have been no substantial changes in the programmes that the department offers for the BA and BSc. Degree. However, much emphasis is now being placed on the practical components of all the courses and collaborative links are being established with the computer industry in order to offer the appropriate manpower training and vigorous research efforts into areas in which Computer and Information Technology can best serve the needs of the nation. Notable among these new areas are object-oriented Programming, Relational Database Management Systems and System Analysis as well as Networking and Data Communication.

### **Enrolment Trends**

	1999-2000	2000-2001	2001-2002
Level 200	68	51	83
Level 300	57	56	45
Level 400	52	58	53
	----	----	----
Total	177	165	181
	===	===	===

### **Service Courses**

1. Faculty of Agriculture
2. School of Public Health
3. College of Allied Sciences, Korle Bu
4. Legon Centre for International Affairs (LECIA)

### **Department's Activities**

The computer Science Department organised the following corporate training during the year:

**Organisation**

VAT Office

Social Security and National  
Insurance Trust (SSNIT)

**Training**

Statistical Package for Social Sciences (SPSS)

Object Programming Using Visual  
Basic

The Department is now recognised as Cisco Networking Local Academy to train students on the skills for the Internet Economy and Networking Certification.

**Research Interest**

Senior Members of the Department continued research and consulting work in the following areas.

**Aryeetey J. A.**

- Database Information Systems Development
- Computer Auditing
- Object Oriented Techniques

**Odoom, I.**

- Design and Application of Database.
- System Evaluation.

**Wiredu, B.S-K.**

- Computer Hardware, Networking and Data Communication.

**Ecklu J.**

- System Development .
- Data Communication & Networking.

**Prof. Ding (Visiting Scholar)**

- Computer Graphics.

**Fucai F.**

- Computer Applications Laboratory.

## DEPARTMENT OF GEOLOGY

**Overview**

Research and teaching activities in the department went on smoothly. The department continued to teach at both undergraduate and post-graduate levels. Two Ph.D. students completed their thesis during the year.

The department had an increase in student intake particularly at level 400. The search for a Geo-environmental Studies chair reached an advanced stage.

Dr. D.K. Asiedu, a senior lecturer is on a one year Alexander-Von-Humboldt research programme.

Mr. Y. Iddirisu returned to the Department after a two-year sabbatical leave while Mr. M.A. Akoto went on sabbatical leave.

### **Courses**

Changes made in the undergraduate programmes have received approval from the academic board. Detailed course content of the M.Phil. programmes that can be run in the department have been approved by the Faculty of Science and due for the academic board.

### **Student numbers**

Level 100	-	642
Level 200	-	18
Level 300	-	24
Level 400	-	26
M.Phil	-	8
Ph.D	-	7

### **Staff Position**

The break-down of staff at post were:

5 Senior Lecturers

5 Lecturers

7 Supporting staff

### **Research Activities**

- Palynostratigraphy and Paleoecological studies from exploratory oil wells in the Tano basin of Ghana.
- Biostratigraphic and sedimentological studies of the Takoradi shale and Takoradi Sandstone formation of the Sekondian Group of Ghana.
- Petrogenesis of carbonatites and related rocks in the Kpong area of southeastern Ghana.
- Heavy Metal pollution at the Tema harbour and surrounds.
- Geochemical and isotopic studies on natural water in Accra-Tema, Ghana.
- Chemical weathering of carbonates by deep source carbon dioxide and sulphuric acid.
- Hydrometry and hydrogeology of the Densu Basin.
- Groundwater management in the Anlo area of the Keta Basin.
- The Hydrogeological and geophysical characterization of Aquifers in the Afram Plains, Ghana.
- The application of Geological and Geophysical techniques in the assessment of groundwater potential: A case study of the Dahomeyan system of Greater Accra Region.
- Petrology and geochemistry of granitoids and gneiss in the Nsawam Area of Ghana.

- Mineralogical and geochemical investigations on the Nsuta manganese deposit. Various papers in preparation from data gathered during post-doctoral research work at the Rands Afrikaans University in Johannesburg, South Africa
- Studies on local economic development (LED) projects in mining communities in Ghana.
- Impact of human activities on the quality of rural water resources in the West Akim and Kwaebibrim districts, Eastern Region, Ghana,
- Assessment of lead (Pb) contents in soils in the Accra metropolis of Ghana
- Sedimentological studies on the Sekondian Group of Ghana.
- Prospecting for alluvial diamonds in Akwatia is mafic/ultramafic rock types mineralisation.

## **Publications**

### **Atta-Peters, D. and Annan-Yorke**

- (in press) Latest Devonian and early carboniferous pteridophytic spores from the Sekondian group of the Ghana. REVISTA ESPANOLA DE MICROPALAEONTOLOGIA; MADRID

### **Akabzaa, T.M.**

- (2002) Research for advocacy on issues on mining and the environment in Africa: A case study from the Tarkwa mining district in Ghana (Chapter in a book: mining, developments and social conflicts in Africa 2002, Published by Third World Network Africa, 2002.

### **Hayford, E.K.**

- (in preparation) Petrology, Petrogenesis and tectonic setting, of the Aplite and mafic veins in the platonitic rocks of the Tarkwa-Prestea Region of Ghana.
- Emplacement of dykes and pluglike bodies as demonstrated by pegmatites
- Mineralogy and geochemistry of lamprophyres
- Sketch of mangan content of the carbonatites in the precambrian.

### **Iddirisu, Y.**

- (in press) The Precage Project: Improvement in artisanal mining and development of small scale mining in Burkina Faso. African Geoscience Review.

### **Iddirisu Y. and Bengal, J.**

- (in press): Challenges and opportunities in small scale mining African Geoscience Review.

## **Conference Presentations**

### **Loh, G.K. and Manu, J.**

- The mineralisation potential of the Akitekya ultramafic complex in southwestern Ghana.

### **Banoeng-Yakubo, B.K. and Amenu, E.**

- Hydrogeophysical studies and effect of fracture systems on test-pumping data interpretation in the Afram Plains District of Ghana.

### **Projects**

The DANIDA-ENRECA HYDROGEOLOGICAL PROJECT hosted in the department is in its second phase of three years and shall end in May 2004. The project has two research stations in Anloga in the Volta Region and Buokurom in the Eastern Region where two hydrometric stations for environmental and hydrologic studies and boreholes for groundwater monitoring in the Keta and Densu Basins have been constructed. This project has at present four Ph.D. students and is supporting six M.Phil. students in Hydrogeology and Environmental Science. The project objective of enhancing the research capacity of hydrogeologists in the country is on course and we have a programme to sponsor more Ph.D. and M.Phil. students to research into topical issues in hydrogeology and the environment that would directly help solve research problems for the benefit of society.

## **DEPARTMENT OF MATHEMATICS**

### **Overview**

The staffing situation in the department continued to be precarious. However, there was a slight improvement with the engagement of Dr. G.O. Lartey as a visiting lecturer on sabbatical leave from KNUST, and Mr. John De-Graft Mensah as a new lecturer in the department. With an increasing number of students the few staff available in the department are overwhelmed with the heavy work load involved in teaching and marking tests etc.

The main focus of teaching continues to be at the undergraduate level and the department offered courses leading to the BSc degree in Mathematics. The department offered service courses to the Faculties of Science, Social Studies, Agriculture and the School of Administration.

The following gives the number of students who registered for courses in the degree programme.

<b>Level</b>	<b>1st Semester</b>		<b>2nd Semester</b>	
	<b>Arts</b>	<b>Science</b>	<b>Arts</b>	<b>Science</b>
100	152	202	152	202
200	43	109	43	29
300	3	9	3	9
400	1	6	1	6

### **Service Courses**

In addition to our normal degree programme, the department taught service courses in General Mathematics I and General Mathematics II to 852 students from the



Faculties of Arts/Social Studies, Agriculture, Science, Home Science and the School of Administration.

### **Staffing Position for the 2001/2002 Academic Year**

Dr. D. Adu-Gyamfi - Head of Department

Prof. D.A. Akyeampong\*

Prof. N.K. Kofinti\*

Dr. Tadie

Dr. M. McIntyre

Dr. G.O. Lartey

Mr. J. De-Graft Mensah

### **Research**

Staff continued to do some research in their various fields of specialization in both Pure and Applied Mathematics.

### **Seminars/Workshops**

Staff and final year Mathematics students in the course of the year gave various departmental seminars.

### **Adu-Gyamfi, D. McIntyre M. and Lartey, G.O.**

- Participated in a workshop on Functional Analysis organized by the National Mathematical Institute, GAEC, Kwabenya.

## **DEPARTMENT OF NUTRITION AND FOOD SCIENCE**

### **Staff Position**

The Department has now eight permanent teaching staff at post and five part-time lecturers. During the early part of the year the Department suffered a loss of a long-standing senior member, contract staff and later part-time lecturer the late Associate Professor Richard Orraca-Tetteh. The staffing position for the 2002/2003 academic year was as follows:

- |     |                         |   |  |
|-----|-------------------------|---|--|
| 1.  | Prof. G.S. Ayernor      | - | Associate Professor and Head of Department |
| 2.  | Prof. S. Sefa-Dedeh     | - | Professor                                  |
| 3.  | Prof. E. Asibey-Berko   | - | Associate Professor                        |
| 4.  | Dr. Anna Lartey         | - | Senior Lecturer                            |
| 5.  | Dr. O. Boeh-Ocansey++   | - | Senior Lecturer                            |
| 6.  | Dr. Esther Sakyi-Dawson | - | Lecturer                                   |
| 7.  | Dr. W.B. Owusu          | - | Lecturer                                   |
| 8.  | Dr. K. Tano-Debrah      | - | Lecturer                                   |
| 9.  | Mr. F.A.K. Tayie+++     | - | Lecturer                                   |
| 10. | Mrs. Agnes Budu+++      | - | Lecturer                                   |
| 11. | Mr. E.O. Afoakwa        | - | Lecturer                                   |

### Part-time Lecturers

12. Dr. W.A. Plahar
13. Dr. W.K. Amoa-Awua
14. Dr. E.E.K. Takyi
15. Dr. P.N-T. Johnson
16. Mr. Fred Vuvor

+ Sabbatical Leave

++ Leave of Absence

+++ Study Leave

### Permanent Non-Academic Staff

#### Senior Staff

Mr. R.T. Kumah	-	Principal Technician
Mr. N.Y. Mireku-Sarpong	-	Administrative Assistant
Mr. Benoni Avah	-	Technician
Mr. Stephen K. Nyamekye	-	Technician
Mr. Daniel Quaye	-	Technician

#### Junior Staff

Mr. Daniel Opoku-Asamoah	-	Assistant Technician
Miss Flora Ugbekie	-	Assistant Technician
Mr. Henry Adi	-	Library Assistant
Mr. Franklin P. Anku	-	Clerk Grade II
Mr. Sylvanus Dorkey	-	Cleaner
Mr. Paul Kofi Dotsey	-	Cleaner
Mr. Emmanuel Boatey	-	Driver Grade I
Mr. Samuel Korankye	-	Driver Grade II
Mr. Ruben Tetteh Asinor	-	Carpenter Grade II

### Student Admissions

The department continues to attract students to the undergraduate and post-graduate programmes. Admissions into the programmes were as follow:

#### Undergraduate Food Science

Level 300	-	39
Level 400	-	29

#### Undergraduate Nutrition

Level 200 (Introductory Nutrition)	-	616
Level 300	-	36
Level 400	-	35

### Post-graduate Programmes in Nutrition and Food Science

M.Phil Part I (Food Science)	-	11
M.Phil Part I (Nutrition)	-	2

M.Phil Part II (Food Science)	-	11
M.Phil Part II (Nutrition)	-	8
Ph.D (Food Science)	-	6
Ph.D (Nutrition)	-	3

### Research

Staff were actively involved in research in food processing, food quality studies, post-harvest management, food product development, maternal and child nutrition, micronutrients, complementary foods, child growth and nutrition and nutritional epidemiology.

### Individual Staff Research areas:

#### Sefa-Dedeh, S.

- Evaluation of micro and small-scale food processing enterprises.
- Nixtamalization and the formulation of high protein foods.
- The quality profile of rice on the Ghanaian market: the competitiveness of local rice.
- The operations of bakers and bread quality.
- Development and evaluation of maize flour for bread production.

#### Ayernor, G.S.

- Industrial utilization of cassava in the production of sugars and alcohol.
- Stability of lipids in soybean products.
- Physiology and storage of yams.
- Fuel deposits in smoked fish and meat.
- Food Toxicology.
- HACCP application in fish handling and processing.
- Processing and Instantisation of staple food products.
- Single cell technology and yeast propagation.

#### Sakyi-Dawson, E.

- Studies on improving the nutritional, sensory quality characteristics of traditional foods (e.g. cowpea-fortified plantain-based snacks, dried fruit and vegetable products)
- Evaluation of quality and nutritional characteristics of cowpea cultivars.
- Evaluation of quality assurance practices in the Ghanaian food industry.
- Food Quality – perception and importance in the Ghanaian society
- Studies on processing and quality characteristics of banana and plantain cultivars.
- Osmodehydration of fruits and vegetables.

#### Asibey-Berko, E.

- Analysing research data from Double-fortified salt related to Iodine and Iron deficiency disorder problems among mothers and children.

- “Studies towards improving the Nutritional care of HIV - Positive patients”. Student –supervised research was initiated in this area in the last quarter of 2002.

**Asibey-Berko, E., Figah, R. and Asomaning, W.A.:**

- “Development of spot-test kit to check levels of iodine in salt”. This was started 2 years ago and is continuing.

**Special Collaborative Research Areas**

**Researchers**

1. A USAID-funded project under its Collaborative Research Support Programme. The team continued to study cowpea processing storage options to improve food security. Characterization of new varieties and their performance in formulated products were evaluated.

Prof. S. Sefa-Dedeh  
 Dr. Esther Sakyi-Dawson  
 Dr. Owuraku. Sakyi-Dawson  
 Dr. K. Tano-Debrah  
 Mr. E.O. Afoakwa  
 Ms. Cynthia Gadegbeku  
 Mr. A.P. Egyir-Yawson

2. WHO-funded Multicenter Growth Reference Study (MGRS)

This project is part of a global study on the growth of children. The objective of the study is to develop new growth reference curves using prospective data from the different parts of the world. The project is being executed by the Department of Nutrition and Food Science with the collaboration of staff from the Ministry of Health. The Department received support in the form of equipment and vehicles for the project

Dr. W.B. Owusu  
 Dr. Anna Lartey  
 Dr. I. Sagoe-Moses (MOH)  
 Dr. C. Sagoe-Moses (MOH)  
 Ms. Veronica Gomez (MOH)

3. Optimal Child Nutrition in HIV-affected Communities. Objective: to study the mechanism by which HIV in the household affects child nutritional Status. This is a collaborative research involving Iowa State University of Connecticut and University of Ghana. Co-PIs for Ghana.

Dr Anna Lartey  
 Dr Lucy Brakohiapa

#### 4. Post-harvest Technology of Roots and Tubers.

This is a network of research collaboration involving scientists from Natural Resources Institute of the United Kingdom, Food Research Institute of Ghana and the Department of Nutrition and Food Science.

Prof. G.S. Ayernor

#### Some Notable Bsc. Research Projects

<b>Title</b>	<b>Student</b>	<b>Major Supervisor</b>
1. Identification of Edible Seaweeds of Greater Accra and Analysis of Selected Nutrients in them.	Emma Odame	Prof. E. Asibey-Berko
2. A Study of Process Alternatives for the Production of Instant Soybean Flour.	Olivia Mawunyo Timpo	Prof. G.S. Ayernor
3. Morbidity Patterns among Children who receive Vitamin A Supplementation and those who do not receive It.	Robert Samuel Ackatia-Armah	Dr. William Bruce Owusu
4. Field and Laboratory work of Traditional Snack Foods in Southern Ghana.	Boateng Akua	Prof. S. Sefah-Dedeh
5. Maternal Nutrient Intake, Anthropometry and Mode of Delivery.	Joseline Marilyn Bruce	Dr. W.B., Owusu
6. Process Optimisation of Plantain-based Fortified Cowpea Snacks.	Ann Nancy Etsey	Dr. (Mrs.) Esther Sakyi-Dawson

- |     |   |  |                       |
|-----|---|--|-----------------------|
| 7.  | Microbiology of Major Traditional Beverages sold in Ghana.  | Frederick Ewool<br>Ruth Asiedu Fiscian | Dr. Kwaku Tano-Debrah |
| 8.  | Developing a Spot-Test Kit for Iodine in Salt.  | Ruth Asiedu Fiscian                    | Prof. E. Asibey-Berko |
| 9.  | The Use of Charcoal in the Control of Spoilage of Soups and Stews: An Investigation of an Indigenous Hypothesis.    | Bernadette Akpene<br>Klu               | Prof. G.S. Ayernor    |
| 10. | Prevalence of Malnutrition among Breastfeeding Infants(0-12 Months) attending Maternal Clinic in a Rural Community. | Freda Dzifa Hogrey                     | Dr. Anna Lartey       |

#### **Postgraduate Theses Completed And Passed**

- |    | <b>Thesis Title</b>   | <b>Degree</b>                | <b>Major Supervisor</b>    |
|----|---|------------------------------|----------------------------|
| 1. | Antimicrobial Interactions during The Fermentation of (Cassava Dough into Agbelima).                          | Mante Ebenezer Siaw<br>MPhil | Dr. (Mrs.) E. Sakyi-Dawson |
| 2. | Chemistry and Microbiological Quality of Cocoa Juice (Sweating) and its Potential for Fruit Juice Production. | Esther Gyedu<br>MPhil        | Dr. (Mrs.) E. Sakyi-Dawson |
| 3. | A Survey of the Nutritional Status of Women at Otinibi, a Peri-Urban Community near Accra.                    | Richard Benson<br>MPhil      | Dr. Matilda Steiner Asiedu |

trifoliolate yam *Dioscorea dumetorum* starch after harvest. *Food Chemistry*. 77 (2002). pp. 203-208

- (2002). The relationship between starch microstructure, cell wall constituents and texture during post-harvest hardening of trifoliolate yam *Dioscorea dumetorum* tubers. Paper presented at the Annual Meeting of the Institute of Food Technologists, Anaheim, California, USA. June 15-19, 2002.
- (2002). Biochemical and textural changes in trifoliolate yam *Dioscorea dumetorum* tubers after harvest. *Food Chemistry* (Forthcoming).

**Sefa-Dedeh, S., Afoakwa, E.O. and Cornelius, B.**

- (2002). Optimization of the nutrition quality characteristics of cowpea-fortified nixtamalized maize using computer-generated response surface models. *The South African Journal of Clinical Nutrition* 15 (2). p. 17.
- (2002). Effect of fermentation on the quality characteristics of nixtamalized corn. *Food Research International*. (Forthcoming)

**Sefa-Dedeh, S., Cornelius B., Sakyi-Dawson, E. and Afoakwa, E.O.**

- (2002). Application of response surface methodology for studying the quality characteristics of cowpea-fortified nixtamalized maize. *Innovative Food Science and Emerging Technologies*. (Forthcoming).

**Sefa-Dedeh, S., Asare, S., Sakyi-Dawson, E. and Afoakwa E.O.**

- (2002). Effects of fermentation and cowpea fortification on the quality characteristics of maize-based nixtamalized foods. Poster paper presented at the Annual Meeting of the Institute of Food Technologists, Anaheim, California, USA. June 15-19, 2002.

**Sakyi-Dawson, E., Sefa-Dedeh, S. Adumoah O. and Afoakwa, E.O.**

- (2002). Effect of cowpea fortification on the quality characteristics of plantain-based Ghanaian traditional foods. Poster paper presented at the Annual Meeting of the Institute of Food Technologists, Anaheim, California, USA. June 15-19, 2002.

**Sakyi-Dawson, E., Sefa-Dedeh, S.**

- Sanni A.I., Sefa-Dedeh, S., Sakyi-Dawson E., and Asiedu M. 2002. Microbiological evaluation of Ghanaian maize dough co-fermented with cowpea., *International Journal of Food Science and Nutrition*.

**Sakyi-Dawson, E.**

- Sackey, B.A., Mensah, P., Collison, E. and Sakyi-Dawson, E., 2001. *Campylobacter, Salmonella, Shigella and Escherichia coli* in live and dressed poultry from metropolitan Accra. *International Journal of Food Microbiology* 71:21-28

**Asibey-Berko, E.**

- Asibey-Berko, E. (2002). "Setting up a Human Research Ethics Committee".

**Tayie F.A.K. and Asibey-Berko, E.**

- "Mineral contents of some indigenous vegetable of Ghana". Ghana Science Journal (In press).

**Tano-Debrah, K., Soyiri, I.N. Tano-Debrah K. and Amoa-Awua, W.K.**

- Involvement of microorganisms in the bioconversion of tuna wastes into fish sauce. J. Faculty of Science, Univ. of Ghana. (In Press)

**Anim, G. and Tano-Debrah, K.**

- Suitability of Carambola (*Averrhoa carambola*) Fruit Juice as a Substrate for Alcohol Fermentation. Africa J. of Food & Nutrition Science (In Press).

**Nketia, B. and Tano-Debrah, K.**

- Microbiology of packaged drinking water sold in Accra. J. Faculty of Science, University of Ghana (In Press).

**Bruce-Baiden, G. and Tano-Debrah, K.**

- Microbiology of dry white clay sold in Accra. J. Faculty of Science, Univ. of Ghana (In Press)

**Obilie, E. M., Tano-Debrah K. and Amoa-Awua, W.K.**

- Modification of cassava texture during fermentation into akyeke. Int J. of Food Microbiology (In Press)
- Souring and reduction of cyanogenic glycosides during the processing of cassava into akyeke in Ghana. Int. J. of Food Microbiology (In Press)

**Soyiri, I.N. and Tano-Debrah, K.**

- Involvement of microorganisms in the bioconversion of tuna wastes into fish sauce. 12th Faculty of Science, University of Ghana, Colloquium, 2002. (In press)

**Sampson, E., Tano-Debrah, K. and Amoa-Awua, W.**

- Suitability of palm wine and its microflora as raw materials for the production of vinegar. . 6th International Seminar on Traditional African Fermented Foods, 2-5 July, 2002, Miklin Hotel, Accra. (6th International Seminar on Traditional African Fermented Foods Abstracts, p.12).

**Soyiri, I.N. Tano-Debrah K. and Amoa-Awua W.**

- Involvement of microorganisms in the bioconversion of tuna wastes into fish sauce. 6th International Seminar on Traditional African Fermented Foods, 2-5 July, 2002, Miklin Hotel, Accra. (6th International Seminar on Traditional



- African Nutrition Capacity Development-Initiative (ANCDI) workshop on Advocacy in Nutrition Education. Abidjan, 5th – 9th August, 2002.
- One-day Symposium on iodated salt. 27th August 2002, KAMA Conference Centre, Labone. Presented paper on “Effects of some Ghanaian Food Preparation/Cooking procedures on iodated salt”.

### **Extension Work**

#### **Ayernor, G.S.**

- Chairman, 1st Technical Committee of the Ghana Standard Board.
- Member, Food and Drugs Board.
- Chairman, National Aflatoxin Committee
- Member, National Codex Committee
- Member, Food Research Institute Management Board

#### **Tano-Debrah, K.**

- Chairman, Technical Committee on Spices, Ghana Standards Board.

#### **Asibey-Berko, E.**

- Two sets of Urine-Iodine analyses were undertaken for World Vision, Ghana in the department of Micronutrient Research Laboratory in the last quarter of 2002.

#### **Owusu, W.B.**

- Co-Principal Investigator, WHO Multicenter Growth Reference Study (MGRS; Ghana Site).
- Member of the Technical Committee, to evaluate UNICEF Projects in northern Ghana.
- Consultant to MOH/LINKAGES (Ghana; 2002).
- Co-ordinator of Public Health Nutrition Course in the School of Public Health, University of Ghana, Legon.
- Co-ordinator of the Child Health And Development (CHAD) Project in the School of Public Health, University of Ghana, Legon.
- Resource person for column on LIFESTYLE AND HEALTH in The Mirror weekly newspaper.

### **Benefactors**

#### **Afrofoods / Infoods**

Through the F.A.O. the United Nations University system had released funds to establish a permanent Food Composition Database in the Department.

Within three months of the release of the fund, the centre has progressed swiftly to collect and input vast data on Ghana, West Africa and Africa Foods as well as International Food Data systems.

## DEPARTMENT OF OCEANOGRAPHY & FISHERIES

### Overview

Graduate training in the areas of oceanography and fisheries made appreciable progress. Nine graduate students enrolled in the Department. Research activities included studies on fish, fisheries, plankton, benthos, and aquatic mammals (dolphins, whales and manatees). The Darwin Initiative Project on Marine Biodiversity Capacity Building in West Africa culminating in the quarterly newsletter called WAMBO is on-going. Approval has been given for the commencement of a Combined undergraduate major programme (B.Sc. Oceanography and Fisheries) starting at level 300 from the 2002/2003 academic year.

### Courses

The Department runs M.Phil and Ph.D degree programmes in Fisheries Science, and in Oceanography. The M.Phil programmes include courses on coastal zone management. The Department teaches the Integrated Coastal Zone Management and Fisheries Management components of the M.Phil. Environmental Science Programme of the Faculty of Science. It services, also, undergraduate aquatic courses such as Limnology and Fisheries Biology as well as contributes to supervision of undergraduate dissertations in the Department of Zoology.

The Ghana Armed Forces Staff College benefited from our services. This year, the Department gave lectures in the 'Science of Oceanography' as part of the training programme of senior officers of the College from West Africa.

### Student Numbers

During the year under review, 6 M.Phil and 3 Ph.D students enrolled in the Department at various levels of completion of their studies.

### Staff

#### Academic Staff

- |                     |   |                      |
|---------------------|---|----------------------|
| • P.K. Ofori-Danson | : | Head/Senior Lecturer |
| • A.K. Armah        | : | Senior Lecturer      |
| • G. Wiafe          | : | Lecturer             |
| • F.K.E. Nunoo      | : | Lecturer             |
| • P.O. Ajah         | : | Visiting Scholar     |

Mr Wiafe has completed his Ph.D studies in Oceanography. Mr. Nunoo was granted permission to be away from the University to continue his Ph.D Programme in North Carolina State University, USA.

#### Part-Time Lecturers

- Prof. C. J. Vanderpuye
- Dr. V. Ziddah
- Dr. A. Ofori-Quaah
- Dr. O.D. Ansa-Asare

### **Non-academic staff**

Five administrative staff supported the academic staff.

### **Collaborative Research and Programmes**

#### **Collaborative research with the Dove Marine Research Laboratory, University of Newcastle**

New link was explored to build on the Darwin Initiative Project undertaken with the University of Newcastle. Educational link visit to the University of Newcastle sponsored by the British Council was undertaken by the Head of Department. A research plan of action for the development of new links has been designed with counterparts at the University of Newcastle.

#### **Darwin Initiative – Marine Biodiversity of West Africa**

The Department hosted an Advanced Training Workshop in Marine Biodiversity of West Africa from 8-19th January 2001. It attracted research scientists and university lecturers from over 15 countries in the sub-region. The workshop tested the marine biodiversity teaching materials that had been developed by Darwin experts and fellows. The teaching materials covered specialist areas such as benthos, fish, habitat mapping, macro-algae and zooplankton. On the basis of the workshop findings, these teaching materials have since been revised and distributed throughout West Africa for teaching and research. A key legacy of the workshop is the establishment of new partnerships among participants and the production of a quarterly newsletter (WAMBIO) hosted by the Department.

#### **Other On-going research activities**

- Natural and anthropogenic impacts on sandy shore fauna along the Ghanaian coast.
- An assessment of the impact of urbanization and industrialization on the structure of the marine benthic community of the coastal waters off Accra-Tema.
- Marine plankton biodiversity in Ghana and influence of climatic and hydrographic factors on phytoplankton and zooplankton communities off the coast of Ghana.
- Biotic, abiotic and anthropogenic factors controlling nearshore marine fishes caught in beach seines in Accra and implications for management.
- The growth of pond-cultured Pink shrimp *Penaeus notialis* using agro-based food.
- Ecological studies on the Keta Lagoon.
- The population biology and ecology of dolphins in Ghana.

#### **Publications**

##### **Ofori-Danson, P.K.; Entsua-Mensah, M and Koranteng, K.A.**

- (In press). The reproduction, growth and population dynamics of the black-chin tilapia, *Sarotherodon melanotheron* (Pisces: Cichlidae) in lagoons of Ghana. Submitted to the Journal of the Ghana Science Association in July, 2001

**Ofori-Danson, P.K. and Ntow, W.J.**

- (In press) Limno-chemistry and Potential Fish Yield in Lake Volta (Yeji Area), after three decades of impoundment. Submitted to the Journal of the Ghana Science Association in 2002.

**Ofori-Danson, P.K.**

- (In press) An assessment of the purse seine 'winch-net' fishery in Lake Volta, Ghana. Submitted to the Journal of Lake & Reservoirs Research and Management in November, 2001
- (In Press). Trophic relationships and spawning habits of pot-impoundment fish stocks of Lake Volta in Ghana. Accepted for publication in the Ghana Journal of Science in July, 2002.
- 2002 Exploitation and conservation of the West African manatee (*Trichechus senegalensis* Link 1795) in the Volta basin, Ghana. A paper presented at Faculty of Science Colloquium, University of Ghana, 7th May, 2002.
- 2002. The biodiversity of aquatic mammals in coastal waters of Ghana and their protection needs. The Ghanaian Times, June 22nd 2002.

**Armah, A.K.**

- Ghana National Report for The Guinea Current Large Marine Ecosystem Project of UNEP/UNIDO/UNDP (2001). 43 pp.

**Wiafe, G. and C.L.J. Frid**

- (2001) Guide for the identification of marine zooplankton of West Africa. Produced by the Darwin Initiative Project on Marine Biodiversity of West Africa. Includes CD-ROM of zooplankton database.

**Nunoo, F. K. E.**

- (2001). The threat of shrimpers to marine fish biodiversity – a case study from Ghana. WAMBIO NEWSLETTER 4:23-26.

**Nunoo, F. K. E. & Ebenezer Quayson**

- (In Press). Towards management of litter accumulation – case study of two beaches in Accra, Ghana. Journal of the Ghana Science Association.

**Conferences, Workshops and Seminars Attended****Ofori-Danson, P.K..**

- 29th January, 2002: Seminar on activities of the International Commission for the Conservation of Atlantic Tunas (ICCAT), Marine Fisheries Research Division, Tema, Ghana.
- 16-18th August, 2001: Training workshop on Aquatic Mammal Research held at the Florida Marine Research Institute, St. Petersburg, Florida, USA.
- 19th March, 2002: Seminar on molecular informatics and computer assisted molecular modeling. Organized by Dr. Evans Adei, KNUST at the Basement Hall, University of Ghana.

- 27th-28th September, 2001: Workshop on domestication of the Biodiversity Convention organized by the Environmental Protection Agency, Amasaman near Accra.
- 2nd-6th April, 2002: Training Workshop for the Sustainable Fisheries Livelihood Programme (SFLP) in Sustainable Livelihoods Approach to Fisheries Management, Aburi Botanical Gardens, Aburi.
- 7th -10th May, 2002: Faculty of Science Colloquim, University of Ghana, Legon
- 22nd May, 2002: World Biodiversity Day Celebration Symposium. STEPRI (CSIR), Accra
- 17th July, 2002: Workshop ICT for Deans, Directors, Heads of Departments, Masters and other University Executives, Basement of the Great Hall, University of Ghana, Legon.
- 15th-16th August, 2002: Ocean Data Information Network Africa (ODINAFRICA) National Workshop, STEPRI (CSIR), Accra
- 9th-18th September, 2002: Higher Education Exploratory Link visit to the University of Newcastle, U.K.

#### **Armah, A.K.**

- Darwin Initiative for the Survival of Species Advanced Training Workshop in Marine Biodiversity of West Africa. 8-19th January 2001. University of Ghana, Legon. Accra.
- GEF/MSP on Development and Protection of the Coastal and Marine Environment in Sub-Saharan Africa. ACOPS/IOC-UNESCO Intersessional Regional Meeting of the Working Group on Integrated Problem Analysis (WGIPA-1), 12-14 March, 2001. Mombasa, Kenya.
- UNDP/UNEP Guinea Current Ecosystem Project Stocktaking Meeting. 14-18 May 2001, Accra.
- Global International Waters Experts Meeting on GEF Medium Size Project on Development and Protection of the Coastal and Marine Environment in Sub-saharan Africa, 26th July 2001, Accra.
- WAFRINET-GHANA workshop, University of Ghana, 27th September, 2000.

#### **Wiafe, G.**

- Darwin Initiative for the Survival of Species Advanced Training Workshop in Marine Biodiversity of West Africa. 8-19th January 2001. University of Ghana, Legon. Accra.

#### **Nunoo, F.K.E.**

- Darwin Initiative for the Survival of Species Advanced Training Workshop in Marine Biodiversity of West Africa. 8-19th January 2001. University of Ghana, Legon. Accra.
- DFID/FAO Technical Meeting on Beach Seines. Sustainable Fisheries Livelihoods Programme in West Africa. 23-24th July 2001, Cotonou, Benin.
- Global International Waters Experts Meeting on GEF Medium Size Project on Development and Protection of the Coastal and Marine Environment in Sub-saharan Africa, 26th July 2001, Accra.

## DEPARTMENT OF PHYSICS

### Overview

One new lecturer was appointed and a Visiting Scholar had his one year appointment extended for another year. A second Visiting Scholar spent one semester in the Department to promote the use of computers in Physics.

The Department continues to rely on a number of Part -Time Lecturers from the Ghana Atomic Energy Commission, Kwabenya, to help with Levels 100 and 200 Practical Physics mainly, and some specialized courses at the Graduate level.

### Courses

#### Level 100

- PHYS 101: Practical Physics I
- PHYS 111: General Physics I
- PHYS 102: Practical Physics II
- PHYS 112: General Physics II

#### Level 200

- PHYS 200: Practical Physics (For Biological Sciences)
- PHYS 203: Vibrations, Waves & Properties of Matter ( For Biological Sciences)
- PHYS 201: Practical Physics III
- PHYS 211: Classical Mechanics
- PHYS 215: Electricity & Magnetism I
- PHYS 204: Electricity, Magnetism & Modern Physics (For Biological Sciences)
- PHYS 202: Practical Physics IV
- PHYS 212: Thermal Physics
- PHYS 216: Modern Physics

#### Level 300

- PHYS 301: Practical Physics V
- PHYS 311: Classical Mechanics II
- PHYS 315: Electromagnetism I
- PHYS 319: Solid State Physics I
- PHYS 321: Mathematics for Physicists
- PHYS 323: Special Relativity
- PHYS 302: Practical Physics VI
- PHYS 312: Statistical Physics
- PHYS 314: Vibrations, Waves & Optics
- PHYS 322: Modern Physics & Introductory Quantum Mechanics
- PHYS 324: Computing for Scientists

#### Level 400

- PHYS 400: Project
- PHYS 413: Microwave Physics
- PHYS 415: Electromagnetism II

PHYS 417: Analogue Electronics  
 PHYS 419: Solid State Physics II  
 PHYS 433: Radiation Physics  
 PHYS 416: Nuclear & Elementary Particle Physics  
 PHYS 418: Physics of Materials  
 PHYS 420: Contemporary Physics  
 PHYS 422: Quantum Mechanics II  
 PHYS 432: Energy  
 PHYS 438: Digital Electronics

### Level 600

PHYS 611 Classical Mechanics  
 PHYS 612 Statistical Mechanics  
 PHYS 613 Quantum Mechanics  
 PHYS 614 Electrodynamics  
 PHYS 621 Solid State Physics  
 PHYS 622 Principles of Nuclear Physics  
 PHYS 631 Instrumentation & Physical Measurements  
 PHYS 632 Physics of Surfaces  
 PHYS 633 Semiconductor Materials & Devices  
 PHYS 634 X-ray Fluorescence Analysis  
 PHYS 635 Meteorology  
 PHYS 636 Crystal Diffraction & Electron Microscopy  
 PHYS 638 Energy  
 PHYS 639 Defects In Crystalline Materials  
 PHYS 641 Reactor Physics  
 PHYS 642 Radiation Bio-Physics  
 PHYS 643 Isotope Geochronology  
 PHYS 644 Mass Spectrometry

### Student Numbers

Level 100	896
Level 200 (Mathematical/Physical/Earth Science Option)	250
Level 200 (Biological Science Option)	500
Level 300	21
Level 400	18
M.Phil Part I	3
M.Phil Part II	2
Ph.D.	1

### Staff Position

Prof. J. K. A. Amuzu	Professor
Professor R.D. Baeta	Professor
Prof. E. K. Agyei (+)	Associate Professor
Prof. K. G. Adanu (+)	Associate Professor
Prof. P. Lemaire	Visiting Professor

Dr. R. Kwadjo*	Senior Lecturer
Dr. V. C. K. Kakane	Senior Lecturer (Head of Department)
Dr. K. Oduro-Afriyie	Senior Lecturer
Mr. G. M. Ahadzi**	Lecturer
Mr. G. Nkrumah***	Lecturer
Dr. E. A. K. Kaufmann	Lecturer
Mr. A. F. Hughes	Lecturer
Mr. M. Adeleye	Visiting Lecturer

+ Post-Retirement Contract

\* On Sabbatical Leave.

\*\* Study Leave.

\*\*\* Part-Time Study Leave

### Research

1. Electron-Phonon Interaction in Low-Dimensional Systems (Superlattices Quantum Wires & Quantum Dots) and Carbon Nanotubes.
2. Medical Imaging Using Electrical Impedance Tomography.
3. Determination of land and sea surface temperatures from NOAA satellite images. Application of remote sensing in climatology.
4. Development of the application of photovoltaic power systems.
5. Maximum entropy spectral analysis of rainfall in Ghana.
6. Fracture of Ceramic Crystals.

### Conferences/Seminars/Workshops

#### Nkrumah, G.

- Workshop On "Mesoscopic Physics and Electron Interaction": Abdus Salam ICTP, 24 June - 5 July 2002
- Workshop on "Emergent Materials and Highly Correlated Electrons": Abdus Salam ICTP, 5th - 16 Aug 2002
- Conference on "The Science & Technology of Spin Transport in Nanostructures" Abdus Salam ICTP, 19th - 22nd August 2002

#### Kaufmann, E. E.

- First International Conference On Women In Physics, Paris, France March 2002.

#### Oduro-Afriyie,

- Workshop & Conference on El Nino & Tropical Ocean-Atmosphere Interactions. 3 - 14 June 2002, ICTP, Trieste, Italy.



## **Publications**

### **Nkrumah, G.**

- Evaluation of Kinetic Energy for Electronic Structure Calculation (2002). Proc. 12th Faculty of Science Colloquium, University of Ghana, Legon. 7 – 8 May 2002.

### **Adugbiire A.N.M. and Kaufmann, E.E.**

- Biopotentials in the sciatic nerve of the West African Savanna frog. Proc. 12th Faculty of Science Colloquium, University of Ghana, Legon. 7 – 8 May 2002.

### **Kaufmann, E. E., Toworfe, G.K. and Gepi-Attee**

- Biomaterials: Relevance in the Ghanaian clinical situation. Proc. 12th Faculty of Science Colloquium, University of Ghana, Legon. 7 – 8 May 2002.

### **Andam, A. Amponsah, P.E. & Kaufmann, E. E.**

- Performance of Ghanaian Girls in Physics: The Way Forward. Proc. 1st International Conf. On Women in Physics. March, 2002.

### **James, K., Levene, H., Kaufmann, E.E., Parsons, J.R. & Kohn, J.**

- (2001). Small changes in chemical structure of a polymer can have a significant effect on hard tissue response in vivo. In Bone Engineering (Editor: Davies, J.E.), Sm2 Inc., Toronto.

### **Hughes, A.F., Adanu, K.G. & Kakane, V.C.K.**

- Optimization of energy collection on photovoltaic panels at low latitudes. Proc. 12th Faculty of Science Colloquium, University of Ghana, Legon. 7 – 8 May 2002.

### **Oduro-Afriyie, K.**

- (2002). Relationship of ENSO with Rainfall in Ghana. (Submitted to Journal of Applied Science & Technology).
- (2002). Spectral Characteristics of Annual Mean Rainfall Series in Ghana. (Submitted to Journal of Applied Science & Technology).

## **Achievement**

### **Kaufmann, E.E.**

- Admitted as a fellow of the World Innovation Foundation, July 14, 2002.

## DEPARTMENT OF STATISTICS

### Overview

There appears to be some efficiency in the use of our facilities by other university departments and institutes as a result of the emergence of good order. However, such users would need to be reminded that the grant of permission does not entail any obligation on our part to supply chalk and dusters.

Patronage of our growing library by students is very high. This is partly because most of the recommended text books for various courses are available, though the numbers would need to be increased; moreover, Statistics text books are now very expensive and therefore almost beyond the purchasing power of many students. The computers in our laboratory are outmoded; indeed, all of them have broken down as a result of heavy usage by students, though a lot of AFUF money has gone into their maintenance. We would welcome any help by the university authorities in replenishing our stock, especially if it is backed by the employment of a qualified computer technician.

For no good reason, many B.A students with acceptable 'A' Level or Level 100 passes in Mathematics have tended, to include in their three Level 200 subjects Economics and Statistics but not Mathematics. This practice intensified in the year under review in spite of the display on our notice boards of the problems involved and the regulations. Many such B.A students form a 'rational' expectation of taking a single major in Economics and a minor in Statistics at Level 300 and ignore the warning that this is a dangerous gamble, for their expectations could turn out to be irrational if they are forced by unforeseen circumstances to opt for a combined major including Statistics and therefore have to contend with the requirement of Level 200 passes in some Mathematics courses.

The Department is working with the Admissions Board to find out how best this new problem can be solved.

### Teaching Programmes

No changes occurred in the courses we offer for the B.A and BSc. Degree programs. Mrs. M.E.Danso-Manu took a one-year Study Leave and that worsened the problem of a heavy load of teaching at the expense of individual research. She has however resumed duty from the study leave.

We continue to receive immense help from our M.Phil students Mr. F.O. Mettle and Mr. E.N.N. Nortey, as Teaching Assistants.

### Enrolment Trends

	2000/2001	2001/2002
Level 200	85	122
Level 300	43	56
Level 400	39	34
Total Undergraduate	167	212

M.Phil.	7	6
Ph.D	1	1
Service Courses for Biologists	346	385

#### Staff (2001/2002)

Dr. I.G. Akar	-	Lecturer (Head of Department)
Mrs. M.E. Danso-Manu	-	Senior Lecturer (on Study Leave)
Dr. F.K. Atsem	-	Lecturer

#### Part-Time Lecturers

Prof. S.I.K. Odoom	-	Associate Professor
Mr. S.A. Yeboah	-	SSNIT
Mr. E. Amartey-Vondee	-	SSNIT

## DEPARTMENT OF ZOOLOGY

### Overview

The department continues to promote zoological research and to train young graduates in zoology. Postgraduate programmes offered include Parasitology and the Africa Regional Postgraduate Programme in Insect Science (ARPPIS).

The department also continued to offer extension services to various public organizations and educational institutions. These included identification of zoological specimens for various departments of this university, the Ministry of Food and Agriculture (MOFA), private organizations and individuals. The department also collaborated with the Ghana Wildlife Society (GWS) and other non-governmental organizations to undertake wildlife and environmental research projects, as well as with the Volta Basin Research Project (VBRP) and Noguchi Memorial Institute for Medical Research (NMIMR) on joint research projects, student teaching and supervision, and technical support.

Prof. C. Gordon continued as the Interim Director of the Centre for African Wetlands with the responsibility of its establishment. He also continued as the Co-ordinator of the Faculty of Science, Graduate Environmental Science Programme (MPhil), as well as teaching in Water Resource Management in the programme. He also carried out work on limnology and ecotoxicology with the Volta Basin Research Project.

Dr. D.K. Attuquayefio took over from Dr. D. Wilson as Head of Department at the beginning of the academic year, and also continued to serve as the Project Secretary of the VBRP. He also continued to lecture in Forest Resources Management in the Postgraduate Environmental Science Programme in addition to his departmental teaching and administrative responsibilities. Dr. D. Edoh is the other senior member of the department teaching a course in the programme. The department continued its collaboration with the Volta Basin Research Project (VBRP) joint research projects, and shared lecturers/research fellows, technicians and students.

**Courses/Student Number**

The department mounted courses at both undergraduate and postgraduate levels as follows:

<b>Level</b>	<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Lecturers</b>	<b>Student Nos.</b>
100	1	BIOL 103	Mammalian Physiology	Prof. W.Z. Coker	505
	2	BIOL 102	Genetics and Evolution	Prof. W.Z. Coker	524
200	1	BIOL 203	Introductory Animal Biology	Dr. L. Bimi Dr. R. Kyerematen	353
		BIOL 205	Vertebrate Anatomy	Dr. D.K. Attuquayefio Dr. I. Igbinsosa	441
	2	BIOL 202	Cell Biology and Genetics	Prof. W.Z. Coker Dr. D. Edoh	450
		BIOL 204	Plant and Animal Ecology	Dr. P. Attah	450
300	1	ZOOL 301	Comparative Chordate Biology	Dr. D.K. Attuquayefio Dr. I. Igbinsosa	35
		ZOOL 303	Comparative Animal Physiology	Dr. D. Wilson Dr. D. Edoh	52
		BIOL 315	Principles of Genetics	Prof. W.Z. Coker Dr. D.A. Edoh	102
	2	ZOOL 302	General Entomology	Dr. D.D. Wilson Ms. M.A. Cobblah	32
		ZOOL 304	Parasitology and Public Health	Dr. D. Edoh	91
		BIOL 316	Environmental Zones	Mr. F. Gbogbo	85
		BIOL 318	Oceanography and Limnology	Mr. G.A. Darpaah	77

400	1	ZOOL 401	Animal Behaviour	Dr. D.K. Attuquayefio	23
		ZOOL 403	Environmental Physiology	Dr. D.D. Wilson	27
		ZOOL 405	Animal Ecology	Dr. P. Attah	23
		ZOOL 407	Population Ecology	Dr. E.O. Owusu	19
		ZOOL 409	Marine Biology	Mr. G.A. Darpaah	23
		ZOOL 411	Freshwater Zoology	Prof. C. Gordon Dr. R. Kyerematen	23
		ZOOL 413	Conservation Biology	Dr. S. Yeboah	34
		ZOOL 415	Evolution	Ms. M.A. Cobblah	24
	2	ZOOL 402	Applied Entomology	Dr. E.O. Owusu Dr. I. Igbinosa	7
		ZOOL 406	Vertebrate Biology	Dr. D.K. Attuquayefio Dr. I. Igbinosa	15
		ZOOL 408	Epidemiology of Parasitic Diseases	Dr. L. Bimi	18
		ZOOL 414	Oceanography	Dr. G.A. Darpaah	7
		ZOOL 416	Fishery Biology	Prof. C.J. Vanderpuye	3
		ZOOL 422	Wildlife Management	Dr. S. Yeboah	18
MPhil I (Parasitology)	1	PARA 601	Biology of Parasites	Dr. L. Bimi	7
		PARA 603	Techniques and Preparations	Dr. D. Edoh	7

		PARA 605	Immunology of Parasites	Dr. D. Edoh	8
	2	PARA 602	Epidemiology of Tropical Diseases	Dr. L. Bimi	7
		PARA 604	Mini-Projects	Dr. L. Bimi	7
		PARA 606	Histopathology of Parasites	Dr. B. Awumbilla	7
		PARA 608	Zoonotic Diseases	Dr. D. Edoh	7
		PARA 610	Special Topics	Dr. D. Edoh	7
MPhil I (Insect Science)	1	ENTO 601	Taxonomy	Ms. M.A. Cobblah Dr. R. Kyerematen	10
		ENTO 603	Functional Morphology of Insects	Dr. P. Attah	10
		ENTO 605	Insect Physiology and Biochemistry	Dr. D. Wilson	9
		ENTO 607	Insect Ecology	Dr. P.K. Attah Dr. I. Igbinosa	8
		ENTO 611	Research Methods	Dr. D. Wilson	28
	2	ENTO 602	Agricultural Pests	Dr. E.O. Owusu	10
		ENTO 604	Insecticide Science	Dr. D. Wilson Dr. E.O. Owusu	10
		ENTO 606	Medical and Veterinary Entomology	Prof. W.Z. Coker	7
		ENTO 608	Stored Products Entomology	Prof. J.N. Ayertey	10

ENTO 612	Integrated Pest and Vector Management	Dr. P. Attah Dr. D. Wilson Dr. E.O. Owusu Ms. M.A. Cobblah
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9

MPhil I  
(Environmental  
Science)

1	ESCI 609	Water Resource Management	Prof. C. Gordon
	ESCI 611	Environmental Health	Dr. D. Edoh
2	ESCI 612	Forest Resource Management	Dr. D.K. Attuquayefio

### Staff

During the academic year under review:

- Dr. I.B. Igbiosa (Visiting Scholar), joined the teaching staff on sabbatical leave from the University of Benin, Nigeria.
- Dr. C. Gordon (Senior Research Fellow, VBRP) and Dr. E.O. Owusu (Lecturer) were promoted Associate Professor and Senior Lecturer respectively. The latter proceeded on a two-year leave of absence at the beginning of the academic year, while continuing to teach part-time in the department.
- Prof. Yaa Ntiamoah-Baidu (Associate Professor) continued her leave of absence at the World Wildlife Fund (WWF) Headquarters in Geneva, Switzerland
- Mr. Langbong Bimi (Lecturer) returned to the department from a one-year attachment to the Centers for Disease Control and Prevention (National Center for Infectious Diseases, Department of Parasitic Diseases), Biology and Diagnostics Branch in Atlanta, United States. He also successfully completed his PhD programme in February, 2001, becoming the first "home-grown" senior member of the department, having been awarded all his degrees by the University of Ghana. His thesis was titled: "Guinea Worm: Socio-Cultural Studies, Vector Species, Morphometry, Histomorphology, and a DNA Probe for *Dracunculus* Species".
- Mr. Francis Gbogbo, joined the teaching staff as Assistant Lecturer in Vertebrate and Conservation Biology on his return to the department after obtaining a MSc degree in Environmental Science from the University of Strathclyde, Scotland. He previously served as a Demonstrator in the department during his National Service.
- Prof. W.Z. Coker, Prof. C.J. Vanderpuye, and Dr. S. Yeboah (Cape Coast University) continued to teach part-time in the department.
- Four new appointees joined the technical staff:
- Mr. E. Adjedu (Technician)

- Ms. J. Heflide (Assistant Technician)
- Mr. S. Badasu (Technical Assistant II)
- Ms. P. Agbo (Technical Assistant II) - resigned from the university during the academic year to pursue further studies

The list of teaching staff for the academic year was as follows:

1. Dr. D.K. Attuquayefio (Senior Lecturer) – Head of Department
2. Prof. Y. Ntiamao-Baidu (Associate Professor) - on leave of absence
3. Prof. C. Gordon (Associate Professor- VBRP)
4. Dr. D. Wilson (Senior Lecturer)
5. Dr. D. Edoh (Senior Lecturer)
6. Ms. M. Cobblah (Senior Lecturer)
7. Dr. E. Owusu (Senior Lecturer) – on leave of absence/part-time teaching
8. Dr. P. Attah (Lecturer)
9. Mr. G.A. Darpaah (Research Fellow- VBRP)
10. Dr. L. Bimi (Lecturer)
11. Dr. R. Kyerematen (Lecturer)
12. Mr. F. Gbogbo (Assistant Lecturer)
13. Prof. W.Z. Coker (Professor) – Part-time
14. Prof. C.J. Vanderpuye (Associate Professor) – Part-time
15. Dr. S. Yeboah (Senior Lecturer) – Part-time
16. Dr. I. Igbiosa (Visiting Scholar)

There were 16 non-teaching staff comprising the following:

- 10 Technical Staff (1 Chief Technician, 2 Senior Technicians, 3 Technicians, 2 Assistant Technicians, and 2 Technical Assistants)
- 3 Administrative Staff (1 Principal Administrative Assistant, 1 Clerk Grade I, and 1 Departmental Assistant Grade II)
- 3 Support Staff (2 Messenger/Cleaners and 1 Driver Grade II)

## **Research**

### **Attuquayefio, D.K.**

- Biodiversity inventory (faunal survey) for Environmental Impact Assessment (EIA) of the proposed Bui Dam Project at Bui National Park in the Brong-Ahafo and Northern regions (August, 2001; February, 2002)
- Biodiversity assessment (faunal survey) for the development of an Environmental Management Plan for the Sefwi Wiawso District of the Western Region of Ghana (July, 2002)
- Gender and biodiversity conservation in the Central region, Ghana

### **Gordon, C.**

- Integrated Water Resource Management
  - Pipe borne water quality in western Accra
  - Environmental characterisation of the Kakum River Catchment



- Water quality and freshwater resources of the Afadjato area
- Natural resource management in the Weija Catchment
- Integrated Coastal Zone Management and Wetland Ecology
  - Environmental management and water quality in the Sakumo Lagoon Catchment
  - Environmental impact of small-scale fish processing on a coastal lagoon
- Pollution and Ecotoxicology
  - Pollution and the nutrient status of Weija Lake
  - Environmental quality and the export of smoked fish

**Wilson, D.D.**

- The biology and integrated management of the sweet potato weevil in southern Ghana
- Biological control of aquatic weeds in Ghana and West Africa, with collaborators from the Water Research Institute (WRI), Environmental Protection Agency (EPA), and the Volta River Authority (VRA) from Ghana, the Togo Ministry of Agriculture, and the Burkina Faso Ministry of Environment

**Edoh, D.A.**

- Sensitivity and specificity of Medical Laboratory methods: test of the methods and reagents used in medical laboratory diagnosis, in collaboration with private Medical Laboratories.

**Darpaah, G.A.**

- Research on the development of two local shrimp species (*Penaeus notialis* and *Penaeus kerathurus*) and a newly found exotic shrimp species (*Penaeus monodon*) in the Volta estuary

**Bimi, L.**

- Awarded the Atlanta Research and Education Foundation (AREF) Fellowship from April 2001 to August 2001

**Kyerematen, Rosina A.K.**

- Continued research work on Chironomids from southern Ghana.
- Studies on the Chironomid fauna of northern Ghana.
- Continuing analysis of data collected from long-term monitoring of butterflies of Mt. Afadjato Community Forest Reserve.
- On-going project on reducing the threat of plastic waste to climate change and marine biodiversity through recycling – GEF Project.

**Gbogbo, F.**

- Biodiversity assessment (faunal survey) of Sefwi Wiawso District, Western Region of Ghana
- Lead contamination of drinking water, its effects, and the analytical methods of quantifying lead

## Extension

### Attuquayefio, D.K.

- Member, Admissions Boards for the Faculties of Science and Agriculture
- Member, Examinations Board of the Faculty of Science
- Consultancy services for the following organizations: Ghana Wildlife Society (GWS), Conservation International (CI), and Ricerca e Cooperazione (RC)
- Member, Man and Biosphere National Committee (UNESCO/EPA)
- Member, National Advisory Committee, African NGO-Government Partnership for Sustainable Biodiversity Action
- Member, Ghana Important Bird Areas (IBA) Committee
- Referee/Assessor, West African Journal of Anatomy (WAJA)- Department of Anatomy, University of Ghana Medical School
- Continued Membership of the following Associations:
  - The Mammal Society, London, U.K.
  - Ghana Science Association (GSA)
  - Ghana Association for the Conservation of Nature (GACON)
  - University of Ghana Alumni Association
  - University of Guelph Alumni Association

### Gordon, C.

- Chair, UNESCO-IHP Steering Committee on the Humid Tropics (Africa),
- Co-ordinator of the ITTO Global Mangrove Database and Information System
- Chair, Wetland International Personnel Committee
- Member, Executive Council of the International Society of Mangrove Ecosystems,
- Member, Carnegie Corporation Project Management Team, University of Ghana
- Member Information Communications Technology Standing Committee, University of Ghana
- Editor for the Occasional Paper Series of the Societas Internationalis Limnologiae (SIL).
- Member, Editorial Board of Running Water, West African Quarterly Bulletin on Integrated Water Resource Management (Global Water Partnership)
- Member of the Editorial Board of the African Journal Science and Technology (UNESCO);
- Member, Wetland Inventory & Monitoring Specialist Group, Ramsar Convention
- Member, African Reptiles and Amphibians Specialist Group (IUCN);
- Member, Working Group on Freshwater Biodiversity, International Union for Biological Sciences (IUBS);
- Member, Steering Committee for the Biodiversity Working Group (SIL)
- Member, Committee on Limnology in Tropical Countries (SIL)
- Member, Board of Directors, Wetlands International
- Member, Executive Committee, Wetlands International,

- Member, West Africa Steering Committee, Wetlands International,
- Member Scientific Committee Africat Project Land Ocean Interactions in the Coastal Zone (LOICZ, IGBP).

**Wilson, D.D.**

- Member of the National Water Hyacinth Control Committee to provide the technical background for biological control methods
- Board Member, Friends of the National Zoo (FONZ)
- Chairman, Editorial Committee, Faculty of Science Colloquium

**Cobblah, Millicent .A.**

- Consultancy services on insect pests and natural enemies identification, biology, and control
- Public education programmes (TV and Radio) on harmful effects of living with cockroaches ("The Cockroach Menace") for JohnsonWax and Admedia Productions, Ghana.

**Darpaah, G.A.**

- Providing information on aquaculture research gratis to local people in Ada and surrounding areas interested in undertaking shrimp aquaculture
- Offering advice (e.g. investment prospects, etc.) to prospective entrepreneurs intending to undertake large-scale commercial aquaculture, a new and emerging industry in the country
- Field training of undergraduate and postgraduate Marine Biology and Aquaculture students of the Zoology Department and Oceanography and Fisheries Department respectively, at the VBRP Fisheries research Centre (Ada).

**Kyerematen, Rosina A.K.**

- Country Representative, HELP Africa (Humanitarian Effort to Lessen Poverty in Africa)
- Co-Executive Director, PROTECT, Ghana (An environmental awareness NGO)
- Member, Academic Board
- Member, Board of the Faculty of Science

**Publications**

**Attuquayefio, D.K. & Gbogbo, F.**

- (2001) Prospects of Conserving the Mukwe Lagoon and Wetlands at Nungua in the Greater-Accra Region of Ghana. *West African Journal of Applied Ecology*, 2: 65-75.

**Mzamo, K.B. & Attuquayefio, D.K.**

- (in press) *Bufo regularis*: A Potential Threat to Exotic Dogs in Ghana. *Ghana Journal of Science*.

**Attuquayefio, D.K. & Wuver, A.M.**

- (in press) A Study of Bushfires in a Ghanaian Coastal Wetland. I. Impact on Small Mammals. *West African Journal of Applied Ecology*

**Wuver, A.M. Attuquayefio, D.K. & Enu-Kwesi, L.**

- (in press) A Study of Bushfires in a Ghanaian Coastal Wetland. II. Impact on Floral Diversity and Soil Seed Bank. *West African Journal of Applied Ecology*

**Wuver, A.M. & Attuquayefio, D.K.**

- (in review) The Impact of Human Activities on Biodiversity Conservation in a Coastal Wetland in the Central Region, Ghana. *West African Journal of Applied Ecology*

**Attuquayefio, D.K. & Ryan, J.M.**

- (in review) Taxonomic Report on the Small Mammals of Two Coastal Wetland (Ramsar) Sites in Ghana. *West African Journal of Applied Ecology*

**Dankwa, H.R & Gordon C.**

- (2002) The Fish and Fisheries of the Lower Volta Mangrove Swamps in Ghana. *African Journal of Science and Technology, Science and Engineering Series 3 (1): 25-32*

**Diop, E.S., Gordon, C., Semesi, A.K., Soumare, A., Diallo, A., Guisse, A., Diouf, M., & Ayivor, J.S.**

- (2001) Mangroves of Africa. In: *Mangrove Ecosystems: Function and Management* L.D. de Larceda (Ed) Springer-Verlag, Berlin 292 pp.

**Akakpo, A., Obeng-Ofori, D. & Wilson, D.D.**

- (2001) The Use of Biopesticides to Control Insect Pests of Papaya (*Carica papaya*). *Journal of the Ghana Science Association*, 3 (3): 117-125.

**Fiati, C., Dade, M.K., Quist, M. & Wilson, D.D.**

- (2001) *Report on Status of Water Hyacinth Infestation on the Oti Arm of the Volta Lake*. Environmental Protection Agency & Volta River Authority, Accra. 16 pp.

**Billah, M.K. Kimani-Njogu, S.W., Wilson D.D. & Cobblah M.A.**

- (in press) Establishing the Identity of Insect Pests and their Natural Enemies: A Case-Study of Fruit-Infesting Flies (Diptera: Tephritidae) and their Parasitoids (Hymenoptera: Braconidae) in Ghana. *Journal of the Faculty of Science*.

**Gadelseed, A.M.A., Wilson, D.D., Offei, S.K. & Cudjoe, A.R.**

- (submitted) Characterization of *Bemisia tabaci* (Genn.) (Homoptera: Aleyrodidae) Populations on Different Host Plants Using Cross-Infestation,

Insecticides, Population Dynamics, and RAPD-PCR.

**Wilson, D.D.**

- (in press) Role of the Department of Zoology, University of Ghana in Managing Invasive Alien Species. *Proceedings of Workshop on Invasive Alien Species*.

**Edoh, D.A. & Toku, F.O.**

- (in press) National Health Scheme in Ghana from the Perspectives of Biomedical Science. Conference Proceedings, *Ghana Science Association Journal*

**Edoh, D.A. & Brenya, A.**

- (in press) National Health Scheme in Ghana: A Community-Based Feasibility Study. *Ghana Science Association Journal*

**Billah, M. K. Kimani-Njogu, S. W. Overholt, W. A.,**

**Wilson, D. D. & Cobblah M. A.**

- (2001), Cross Mating Studies in *Psytalia* Species (Hymenoptera: Braconidae): Possible Biological Control Implications. *Proceedings of the 13th Entomological Congress*, Pietermaritzburg. (Eds) T. Olckers and D. J. Brothers. Page 8.

**Wilson, D. D., Cobblah, M. A., Darko, S & Quartey S. G.**

- (2001) The Sweet Potato Weevil in Ghana. *Proceedings of the 22nd Biennial Conference*, University of Cape Coast, Cape Coast, Ghana.

**Bimi, L.**

- (2001) Vector Species of *Dracunculus medinensis* in West Akim District of Southern Ghana. *West African Journal of Applied Ecology* 2: 77-82.

**Zhu, W., Baggerman, G., Secor, W.E., Casares, F., Pryor, S.C., Fricchine, G.L., Ruiz-Tiben, E., Eberhard, M.L., Bimi, L., & Stefano, G.B.**

- (2002) *Dracunculus medinensis* and *Schistosoma mansoni* Contain Opiate Alkaloids. *Annals of Tropical Medicine and Parasitology*. 96 (3): 309-316.

**Saether, O.A. & Kyerematen, R. A. K.**

- (2001) Towards a Phylogeny and Zoogeography of the genus *Rheotanytarsus* Thienemann et Bause, 1913 (Diptera: chironomidae). *Tijdschrift Voor Entomologie* 144- 3- 117.

**Anderson, T. & Kyerematen, R. A. K.**

- (2001). South American *Rheotanytarsus* Thienemann et Bause, with the Description of One New Species (Diptera: Chironomidae). *Norwegian Journal of Entomology* 46/2: 269 -274.

**Kyerematen, R.A.K. & Ansah, F.**

- (2001) Butterflies and other Insects of Bui National Park. Pp. 29-35. In:

*Baseline Terrestrial Ecological survey of Bui National Park* (Ed. D. K. Attuquayefio). Preliminary Report to BKs-Acres and Ghana Wildlife Society 89 pp.

**Otoo, D., Bonsu, P. & Kyerematen, R.A.K.**

- (submitted). Three New Species of Tanypodinae Thienemann et Zavrel, 1916 from Ghana. *Norwegian Journal of Entomology*.

**Dowuona, J. C., Bonsu, P. & Kyerematen R. A. K.**

- (submitted). Six New Species of Chironominae. Marquart

Conference/Workshops/Seminars

**Attuquayefio, D.K.**

- National Conference on the Bushmeat Crisis in Ghana. M Plaza Hotel, Accra (28-29 August, 2002)
- Faculty of Science Colloquium, University of Ghana Legon. Biochemistry Department Annex, May 7-8, 2002.
- Regional Stakeholders' Conference for Priority Setting: Water and Sustainable Development in Africa. La Palm Royal Beach Hotel, Accra (15-17 April, 2002)
- Workshop on Harmful Marine Microalgae in West African Coastal Waters. Department of Zoology, University of Ghana (29 October to 2 November, 2001)

**Gordon, C.**

- Regional Workshop n Education and Public Awareness on Wetlands (Wetlands International), Dakar, Senegal, 18 -20 September 2002
- 4th Meeting of the Global Mangrove Database and Information System (GLOMIS) Ho Chi Minh City, Vietnam, 21 - 22 August 2002
- 5th General Assembly of the International Society of Mangrove Ecosystems, Ho Chi Minh City, Vietnam, 20 -21 August 2002
- 5th Pan African START Committee Meeting (START) Nairobi, Kenya, 27 - 29 June 2002
- 23rd Meeting of the Board of Directors Wetlands International, Wageningen, The Netherlands 21 -22 April 2002
- Regional Stakeholders' Conference for Priority Setting (GWP): Water and Sustainable Development in Africa: 15 -17 April 2002, Accra, Ghana
- International Mangrove Workshop (ITTO), Cartagena, Colombia, 19 - 22 February, 2002
- GEF-UNEP Meeting on the Integrated Management of the Volta Basin. Centre for African Wetlands, University of Ghana, Legon-Accra, Ghana (2001). Presented a paper titled "New Initiatives in Water Resource Management" in connection with the LOICZ Afribasins Project.
- National Seminar on the Lower Volta Environmental Impact Study (VBRP/VRA). Accra. (2001). Presented a paper (with Addy, M., Ayivor, J.S. and Ankrah, H.O.) titled "Limnology and Ecotoxicology: Perspectives from the

### Lower Volta”

- Final Anglophone West Africa Workshop on National Biodiversity Strategy and Action Plans. Accra, Ghana (2001). Presented a paper (with Oduro-Koranteng, L. and Yawson, S. K.) titled: “The Integration of Biodiversity into Environmental Assessment Procedures: Case Studies from Ghana”.
- International Training Programme on Mangroves, JICA. Okinawa, Japan (2001). Presented a paper titled: “The Sustainable Management of Mangroves”.

### **Wilson, D.D.**

- Exchange Workshop on Public-Private Partnerships for Biopesticides in West Africa. Miklin Hotel, Accra, 26-27 February, 2002.
- Faculty of Science Colloquium, University of Ghana Legon. Biochemistry Department Annex, May 7-8, 2002. Poster presented: “Establishing the Identity of Insect Pests and their Natural Enemies: A Case-Study of Fruit-Infesting Flies (Diptera: Tephritidae) and their Parasitoids (Hymenoptera: Braconidae) in Ghana”.
- National Stakeholders' Workshop on Invasive Alien Species. Bayview Hotel, Accra, 18-19 September, 2002. Paper presented: “Role of the Department of Zoology, University of Ghana, in Managing Invasive Alien Species”.

### **Cobblah, M.A.**

- Ghana Science Association 22nd Biennial Conference, University of Cape Coast, Cape Coast. 5th – 9th August, 2001.

### **Bimi, L.**

- Course in Biology of Disease Vectors at Fort Collins, Colorado State University (Denver), USA sponsored by the UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases.

### **Benefactions**

The department is very grateful for the donation of assorted textbooks from the following national and international organizations:

- Technical Centre for Agricultural and Rural Co-operation (The Netherlands)
- Balme Library, University of Ghana, Legon
- Adventist Development and Relief Agency (ADRA), Ghana: Brother's Brother Foundation
- International Centre for Theoretical Physics (Italy)
- Marine Turtle Research Group (Wales, UK)

# FACULTY OF SOCIAL STUDIES

## DEPARTMENT OF ARCHAEOLOGY

### Overview

During the year under review, the Department of Archaeology continued to provide teaching; research and extension services within the constraints presented by increasing number of students and limited resources. There have been structural changes in the architectural design of the Department. The library has been extended to accommodate more users. New showcases were fitted as part of on-going renovation works to transform the Department's Museum into a Teaching and Public Museum.

### Courses

A wide range of courses was offered at both the undergraduate and postgraduate levels.

### Student Numbers

Student enrolment in the various academic programmes in the Department was as follows:

Ph.D	1
MPhil I2	
MPhil II	2
Level 100	565
Level 200	215
Level 300	96
Level 400	16
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	897
===	

### Staff

The staffing position of the Department improved during the year under review. Full-time academic staff comprised:

Professor (on post retirement contract)	-	1
Senior Lecturers	-	4
Lecturers	-	2

- (a) Mr. Yaw Bredwa-Mensah, Senior Lecturer and Head of Department completed and submitted his PhD thesis to the University of Ghana for examination. Also he spent the second Semester of the year under review at the University of Wisconsin. La Crosse Campus, USA as a Visiting Scholar.
- (b) Mr. Brempong Osei-Tutu returned to the Department from study leave abroad. His PhD with the Department of Anthropology, Maxwell School of



Citizenship at Syracuse University, USA is on track.

- (c) Professor J.R. Anquandah delivered his inaugural lecture entitled, "The Legacy of the Past- a Relevant Factor in Ghana's Present and Future Development".

## **Research**

### **Arko Okoro, J.**

- Saakpuli Research Project. Archaeological investigations of the Market place, wells and cisterns at Saakpuli, Northern Region. UNESCO/French Embassy (Ghana) funded project.
- Salaga Research Project. Doctoral field research on indigenous water management in Salaga.

### **Anquandah, J.R.**

- Continued as Co-ordinator, Research Committee of the National Slave Route Project, Ghana.
- UNESCO (Paris)/NCRC sponsored Research Project entitled "Improved Traditional Bead Production and Marketing in Ghana". A 100-page manuscript with 73 colour and black and white illustrations was submitted to UNESCO.

### **Boachie Ansah, James**

- Excavated the Danish Plantation site of Brockman in the Accra Plains.
- Conducted surface reconnaissance survey at Adwadie in the Wenchi Traditional Area.

### **Bredwa-Mensah, Y.**

- Continued the Wullf's House Archaeological Project. The work carried out during the year under review involved analysis of archaeological data assembled in three seasons of field work.

### **Brempong Osei-Tutu**

- Doctoral dissertation research involving library research and interviews of Ghanaian officials and African Americans regarding their perspectives on the recent restoration and commodification of Ghana's Slave Castles.

## **Conferences/Seminars/Workshops**

### **Boachie Ansah, James**

- Presented a paper: "Excavation at Wodoku and its Implications for Socio-cultural contacts along the coast of the Eastern Accra Plains of Ghana" at a Conference organized by the Ministry of Foreign Affairs, Paris, France. Conference theme "From North to South of the Sahara: Perspectives of Fifty Years of French Archaeology".

### **Bredwa-Mensah, Y.**

- Presented a paper: "Global Encounters: Slavery and Slave Lifeways on Nineteenth Century Danish Plantations in the Gold Coast (Ghana), Department of Anthropology, Maxwell School of Citizenship, Syracuse University and Department of Anthropology, University of South Carolina, USA.

### **Brempong Osei-Tutu**

- Presented a paper: "The African American Factor in the Commodification of Ghana's Slave Castles." Historical Society of Ghana Annual Conference on History, Our Heritage and National Development, Legon, Accra.

### **Anquandah, J.R.**

- Delivered his Professorial Inaugural Lecture entitled "The Legacy of the Past—a relevant factor in Ghana's Present and Future Development".

### **Publications**

#### **Bredwa-Mensah, Y.**

- (2002) From Fort Slaves to Plantation Slaves: The Transformation of Enslaved Africans 'Employed' in the Danish Trading Stations on the Gold Coast During the Nineteenth Century. *Journal of the Society of Historical Archaeologists*. Special Edition: *The Rivers of Africa* Volume (ed.) DeCorse, Christopher.

#### **Breuning-Madsen, H, Awadzi, T.W, Bredwa-Mensah, Y, et. al**

- (2002) The Danish Plantations on the former Gold Coast Colony (Ghana)- Why They Failed? *Soil Survey Horizons* 43 (1):1-8.

#### **Awadzi, T.W, Bredwa-Mensah, Y, et. al**

- (2001) A scientific evaluation of the agricultural experiments at Frederiksgave, the Royal Danish Plantation on the Gold Coast (Ghana). *Danish Journal of Geography* (Geografisk Tidsskrift), 101:33-41.

#### **Brempong Osei-Tutu**

- The African American Factor in the Commodification of Ghana's Slave Castles. *Transactions of the Historical Society of Ghana* No.5.

#### **Boachie Ansah, James**

- Excavation at Wodoku and its Implications for Socio-cultural contacts along the coast of the Eastern Accra Plains of Ghana. Forthcoming in the Proceedings of the Conference "From North to South of the Sahara: Perspectives of Fifty Years of French Archaeology" organized by the Ministry of Foreign Affairs, Paris, France.

## Benefactions

The Department received a Computer and accessories from Dr. Ron Rochon, Director, School of Education and Associate Dean HPERTE, University of Wisconsin, La Crosse, USA.

## DEPARTMENT OF ECONOMICS

### Overview

This Department of Economics is one of the Departments under the Faculty of Social Studies. During the year under review, the Department offered Bachelors Degree, Master of Philosophy in Economics and Master of Arts in Economic Policy Management. It also served other departments and the External Degree Centre (Accra Workers College).

### Taught Courses

Level 100  
Level 200  
Level 300  
Level 400  
M.Phil Economics  
MA. Economic Policy Management

### Student Number

#### Undergraduate

Level 100	-	623
Level 200	-	581
Level 300	-	262
Level 400	-	194
		-----
Total		1,660
		=====

#### Postgraduate

M.Phil Economics I	-	29
M.Phil Economics II	-	19
MA. Economic Policy Management	-	30
		----
Total		78
		====

## **Staff Position**

### **Senior Members**

Mr. G. Kwaku Tsikata was appointed as the new Head of Department. The Department had seventeen (17) full-time lecturers and four (4) part-time lecturers. Out of the full-time lecturers three are on Sabbatical leave.

### **Senior Staff/Junior Staff**

The Department had two senior staff and four junior staff

### **AERC - Collaborative Masters Programme for Anglophone Africa (Excluding Nigeria)**

The Department presented eighteen (18) MPhil students to undertake additional elective courses under the AERC collaborative MA Joint Facility for Electives (JFE) programme in Nairobi, Kenya. The three-month programme commenced in June and ended in October 2002.

### **Publication and Research Activity**

#### **Akoena, S.K.K., D.K. Twerefou and E. Mensah**

- (2002) "Energy Balance and Environmental Impact Assessment, Final Report", Report prepared for the Energy Commission, Accra, for the Strategic National Energy Plan.

#### **Twerefou, Daniel K. with S.K.K. Akoena and E. Mensah**

- (2002) "Energy Balance and Environmental Impact Assessment For Ghana Under The Strategic National Energy Plan 2000-2020 (SNEP)", A Report prepared for the Energy Commission and the Danish International Development Agency (DANIDA).

#### **Twerefou, Daniel K. with KPMG (Ghana)**

- "Development of A Social Impact Assessment Strategy", A report presented to the National Institutional Renewal Programmes.
- "The 2002 Budget And Business Development" A report on the implications of the 2002 budget to the Business community.
- "Cost Effectiveness of Utility Grid Extension Versus Photovoltaic Power", In *The Journal of Management Studies*, Volume 17, January 2000, Accra.

#### **Gockel, A.F. and S.K.K. Akoena**

- "Financial Intermediation for the Poor: Credit Demand by Micro, Small and Medium Scale Enterprises in Ghana – A Further Assignment for Financial Sector Policy?" IFLIP Research Paper 02-6, March 2002.

#### **Barimah, Afred**

- Co-Researcher: "A Multi-country Study on Growth and Transformation of Small Firms in Africa: The Case of Ghana"

### **Turkson, Ebo F.**

- "A Multi-Country Study On Growth and Transformation of Small Firms in Africa: The Case of Ghana", by Prof. A Baah-Nuakoh, F. Ebo Turkson, K. Baah-Nuakoh and W. Baah-Nuakoh: An African Centre For Economic Growth Study in Ghana, Kenya and Zimbabwe. - Forthcoming.

### **Conferences/Workshops/Seminars Attended**

#### **Tsikata, G. K.**

- Conference on the Government of Ghana Economic Policy Framework Paper. Accra. April 8-10, 2002.
- National Economic Dialogue. Accra, 29th May, 2002.
- Workshop on Economic Policy Management (EPM) Programmes of African Partner Universities. Abidjan (Cote de'Ivoire), 3-5 July, 2002. Presented the Proposal for Phase II of the Programme.
- AERC Workshop on Collaborative PhD Programmes in Africa, Nairobi, Kenya,

#### **Twerefou, D. K.**

- Participant: "Integrated Resource Planning Stakeholders Workshop" organized by Energy Commission from 27-28 August, 2002.
- Participant: Review workshop on "Fighting Corruption with Effective Corporate Governance The Role of Business" organized by the African Capital Market Forum (ACMF) on October 15, 2002.

#### **Barimah, A.**

- Basic Poverty Measurement and Diagnostics Workshop, GIMPA, Accra, July 2-10, 2002.
- Trade, Development and the World Trade Organisation (WTO), GIMPA, Accra, November 8-6, 2002.

#### **Baah-Boateng, W.**

- Co-presenter: A Peer Review Workshop on "A Multi-Country Study on the Growth and Transformation of Small Firms in Africa" organized by African Center for Economic Growth (ACEG) held on June 22, 2002, at Safari Club in Nairobi, Kenya.
- Participant: Labor Market Policies Core Course held at the World Bank Premises in Washington D. C. between April 22 and May 3 organized by the World Bank Institute led the African Group at the Course to present a paper on "Public Sector Restructuring in Africa"
- Content-Expert/Moderator of Distance Learning Course on "Key Labor Market Issues in Africa" at GIMPA between January 24 and March 14, 2002 organised by the World Bank Institute.
- A Resource Person and a Presenter of a Paper on "The Role of Trade Union Congress (TUC) in PRSP Process in Ghana" at a Regional Workshop organized by the ILO/ACTRAV held in Nairobi on 3 - 5 December, 2001.

- Presenter: "Public Policy and Public Investment for Poverty Reduction and Employment Generation in Ghana"; A Paper presented on behalf of Dr. Kwabia Boateng at an Investment for Poverty Reduction Study Review workshop at Novotel on 28th and 29th November, 2001.
- Content-Expert/Moderator of Distance Learning Course on "Key Labor Market Issues in Africa" at GIMPA between September 11 and October 18, 2001 organized by the World Bank Institute.

#### **Turkson, Ebo F.**

- Co- Presenter: National Workshop on the Ghana Case Study Report on the "Multi-Country Study On Growth and Transformation of Small Firms in Africa": July 19th 2002, Miklin Hotel, Accra, Ghana. - Organized by the Ghanaian Research Team in Collaboration with African Centre For Economic Growth (ACEG), Nairobi-Kenya.
- Co- Presenter: Peer Review Workshop by Research Team Members and Country Assessors on the "Multi-Country Study On Growth and Transformation of Small Firms in Africa": June 22nd 2002, Nairobi Safari Club, Nairobi- Kenya. - Organized by the African Centre For Economic Growth (ACEG), Nairobi-Kenya.
- Participant: Methodology Workshop for Research Team Members on the "Multi-Country Study On Growth and Transformation of Small Firms in Africa": November 1st 2001, Nairobi Safari Club, Nairobi- Kenya. - Organized by the African Centre For Economic Growth (ACEG), Nairobi-Kenya.

#### **Baah-Nuakoh, Kwame A.**

- National Workshop on Debt Markets for the Golden Age of Business. Organised by National Bond Market Committee, July 5-6, 2002, Elmina Beach Resort.
- National Workshop on "Multi-Country Study on The Growth and Transformation of Small Firms in Africa: The Ghana Case". ORGANISERS: Department of Economics, University of Ghana and the African Center for Economic Growth (ACEG), Miklin Hotel, Accra, 19th July, 2002
- National Review Workshop on "Corporate Governance and Corruption", La Palm Royal Beach Hotel, Accra, 15th October 2002. ORGANISERS: African Capital Markets Forum (ACMF)

#### **Publication**

##### **Akoena, S.K.K. and D.K. Twerefou**

- (2002) "Improving Road Transport Fuel Efficiency and Consumption in Ghana". *GIMPA Journal of Management and Administration*, Vol. 1 No.2.

##### **Baah-Boateng, W. with A. Baah-Nuakoh**

- Demand for Carbonated Soft Drinks in Ghana" in A. Baah-Nuakoh's "Studies on the Ghanaian Economy, Vol. 3" Chap 5: Woeli Publishing Series forthcoming November 2002.

**Baah-Boateng, W. with A. Baah-Nuakoh, F. Ebo Turkson, and K. Baah-Nuakoh**

- "A Multi-Country Study on the Growth and Transformation of Small Firms in Africa: The Case of Ghana" submitted to African Centre for Economic Growth (ACEG), Nairobi, Kenya July 2002.

**Baah-Nuakoh, Kwame A., Baah-Nuakoh, A., Turkson, F.E., Baah-Boateng, W.**

- Multi-Country Study on The Growth and Transformation of Small Firms in Africa: The Ghana Case, June 2002, African Center for Economic Growth (ACEG), Nairobi, Kenya.

## **DEPARTMENT OF GEOGRAPHY AND RESOURCE DEVELOPMENT**

### **Overview**

The Department continues to provide leadership and academic excellence in Geography and Resource Development. It also enjoys increasingly high patronage from undergraduate and graduate students. Linkage arrangements with the University of Copenhagen (Institute of Geography) assist in building capacity of students and staff in teaching and research. There is, however, need for field equipment to enhance practical training of students, office space for new staff, space for laboratory work and more computers for mapping science and Geographic Information Systems.

### **Courses (2001/2002 Session)**

The Department successfully offered courses at BA, M.Phil and Ph.D levels in such areas as Climatology, Population, Resources, Environment, Transportation, Industrial, Gender Studies, Historical Geography, Urban Studies and Regional Development. Senior Members in the Department are active in research and extension activities also in these areas (as indicated in appendices A to G). The following projects, administered by lecturers in the Department, continue to experience good progress during the academic year:

PLEC	-	Appendix	A
RSAL - Teaching and Research Lab	-	"	B
FADEP	-	"	C
PIP	-	"	D
Ecological Laboratory	-	"	E
IBSRAM	-	"	F
CERSGIS	-	"	G

### **Student Numbers**

<b>Category</b>	<b>Number</b>		
<b>Undergraduates</b>	<b>1999/2000</b>	<b>2000/2001</b>	<b>2001/2002</b>
Year 1 (Level 100)	213	254	210

Year 1 (Level 200)	40	30	30
Year 2 (Level 200)	152	197	250
Year 3 (Level 300)	185	119	174
Year 4 (Level 400)	125	177	85

### Graduates

M.Phil	35	44	27
Ph.D	5	10	6

### Foreign Students

12	11	25
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### Staff Position

There were thirteen (13) Senior Members, four (4) Senior Staff and six (6) Junior Staff at post under the headship of Professor Paul W.K. Yankson. There were 3 part-time lecturers to supplement teaching.

Professor Edwin A. Gyasi and Dr. (Mrs.) Mariama Awumbila resumed work in the second semester after their sabbatical leave.

### Staff (2001/2002)

Dr. P.W.K. Yankson	-	Professor (and Head of Department)
Dr. George Benneh	-	Professor (Emeritus)
Dr. J. Songsore	-	Professor
Dr. J.S. Nabila	-	Professor
Dr. Elizabeth Ardayfio-Schandorf	-	Professor
Dr. E.A. Gyasi	-	Professor
Dr. S.T. Addo	-	Professor
Dr. E. Ofori-Sarpong	-	Professor
Mr. T.W. Awadzi	-	Senior Lecturer
Mr. S.K. Kufogbe	-	Senior Lecturer
Dr. A.B. Asiedu	-	Senior Lecturer
Dr. Mariama Awumbila	-	Senior Lecturer
Dr. S. Agyei-Mensah	-	Senior Lecturer
Mr. E. Morgan Attua	-	Lecturer
Mr. B.D. Ofori	-	Research Fellow

### Part-Time Lecturers

Prof. L.A. Dei
Mr. E.Kusi-Minkah
Dr. Richard Y. Kofie

### Research

#### Yankson, P.W.K.

- Continued with modeling of land degradation in the context of food production in Ghana using Geographic Information Systems (GIS).



- The Impact of User Fee Policy on Education and Health Sectors in Ghana
- Decentralisation, Metropolitan Governance and Street Trading in Central Accra.
- Socio-Economic Backgrounds of students in Tertiary Institutions in Ghana.
- Housing Production and tenure dynamics in Accra Metropolitan Area.

**Songsore, J**

- Regional Development in Ghana: The Theory and The Reality
- Environmental Health Watch for the Greater Accra Metropolitan Area

**Nabila, J.S.**

- A Stakeholder Analysis of Adolescent Sexual and Reproductive Health in Ghana
- Traditional Practices Affecting Women and Children in Ghana

**Ardayfio-Schandorf, Elizabeth**

- Women and Credit in Natural Resource Management Enterprises
- Families and Residential Mobility in the Accra Metropolitan Area

**Gyasi, E.A.**

- Research continued to focus on agricultural and rural development dynamics and environment and plant genetic resources management. Mainly it proceeded under the United Nations University Project on: 'People, Land Management and Environmental Change (UNU/PLEC)', whose West African component I continued to lead and co-ordinate. Work also proceeded through collaboration with Conservation International (CI) and the International Plant Genetic Resources Institute (IPGRI). Other research includes agroecological investigations under the 'Lower-Volta Basin Environmental Impact Studies', which was commissioned by the Volta Basin Research Project (VBRP).

**Ofori-Sarpong E.**

- Climate Change and its impact on Agriculture, Water Resources and Health in Ghana
- Drought and Desertification in Ghana and West Africa

**Awadzi, T.W.**

- The Role of Termites in Soil Formation in the Tropical Semi-Deciduous Forest Zone of Ghana.
- Investigations into the Quantity Distribution and Nutrient Levels of Harmattan Dust in Ghana (Second Phase completed)
- Study of the Effects of Salinity and other Environmental Factors on Shallot Production (work in its 5th year).

**Kufogbe S.K.**

- Land use and environmental change
- Networking systems in Ghana

**Asiedu, A. B.**

- Leisure, Recreation and Tourism
- Urban Planning and Management

**Awumbila, Mariama**

- Continued with research work on Social Dynamics of infant feeding and its implications for HIV/AIDS response strategies, and on Gender and the environment.

**Agyei-Mensah, S.**

- Spatial Patterns of HIV/AIDS in Ghana.
- Mental Health in Ghana
- An Historical Geography of Cape Coast
- The Changing Population of Ghana

**Attua, E. M.**

- Mapping the Northern Forest-Savanna Boundary
- Weed ecology and dynamics: A Study in the Akwapim North District

**Extension and Other Activities**

**Yankson, P.W.K.**

- External Examiner and Assessor for Promotion –University of Cape Coast
- Member, National Intersectoral Working Group: National Urban Development Programme.

**Songsore, J.**

- Expert Advisor, Accra Metro Environmental Health Initiative
- Chairman, Wa Polytechnic Council.
- Guest Lectures at the University of Frankfurt/Main
- External Examiner, University of Development Studies, Tamale

**Nabila, J.S.**

- Director, Population Impact Project (PIP)
- Member, Management Team, UNFPA Country Programmes
- Vice Chairman, Board of Directors, National Population Council
- Member, National and Northern Regional Houses of Chiefs
- Chairman, Research Committee, National House of Chiefs

**Gyasi, E.A.**

- Co-ordinating Leader, WAPLEC (West Africa cluster of the United Nations University Project on 'People, Land Management and Environmental Change').
- Member, Technical Committee, Akuapem Campus Implementation Committee, Presbyterian University College.

**Ofori-Sarpong, E.**

- Addressing public functions within and out of the University.
- Preach to the University Community and Communities outside the University.

**Publications****Yankson, P.W.K.**

- Decentralization and Local Government Reform: Challenges and Prospects for Effective Grassroot Participation in Ghana (Procedures of Papers presented at a colloquium on Decentralisation and Local Knowledge in Africa: Point Sud, Bamako, Mali 15-18th February, 2002).

**Yankson, P.W.K. , Pappoe M., Obuobi, A.A. with Asubonteng-Manu, E.**

- The Impact of Cost Recovery on Health and Education in Ghana (final Research Report submitted to IDRC, Canada, June, 2002)
- Impact of User Fee Policy on the Education and Health Sectors in Ghana: Implications for Policy and Planning (Research Report Submitted of IDRC, Canada, June 2002).

**Songsore, J., G. McGranahan, P. Jacobi, C. Surjadi & M.Kjellen**

- (2001): THE CITIZENS AT RISK: from Urban Sanitation to Sustainable Cities, (London: Earthscan Publications) 200pp.

**Songsore, J.**

- (2001) "The Decline of the Rural Commons in Sub-Saharan Africa: The Case of the Upper West Region of Ghana", in Yakubu Saaka (ed), *Regionalism and Public Policy in Northern Ghana*, (New York: Peter Lang Publishing Inc.) pp. 153-17
- (2001), "The Economic Recovery Program/Structural Adjustment Program: Its Likely Impact on the 'Distant' Rural Poor in Northern Ghana" in Yakubu Saaka (ed) *Regionalism and Public Policy in Northern Ghana*, (New York: Peter Lang Publishing Incorporated) pp. 207-222

**Jacob Songsore, Aloysius Denkabe, Charles D.Jebuni & Stephen Ayifia,**

- (2001), "Challenges of Education in Northern Ghana: A Case for Northern Ghana Education Trust Fund (NETFUND)", in Yakubu Saaka (ed), *Regionalism and Public Policy in Northern Ghana*, (New York: Peter Lang Publishing Inc) pp. 223-239.

**Nabila, J.S.**

- "The Institution of Chieftaincy and Good Governance at the National Level" in Proceedings of Seminar on: The Institution of Chieftaincy and Governance in Ghana – Konrad Adenauer Foundation, May 2001
- Development of the Office of the National Security Coordinator: Challenges of the Transition in Limann's Regime: in *Reflections on Security* Vol. 1, No. 1, 2001

**Gyasi, E.A.**

- "Traditional forms of conserving biodiversity within agriculture: their changing character in Ghana", in H. Brookfield, C. Padoch, H. Parsons and M. Stocking (eds. 2002) *Cultivating Biodiversity: Understanding, Analysing and Using Agricultural Diversity*, London: ITDG Publishing, pp. 245-255
- Co-author, "PLEC demonstration activities: a review of procedures and experiences", in H. Brookfield, C. Padoch, H. Parsons and M. Stocking (eds.2002), op. cit, pp. 105-125.
- Draft Methodology and Framework for coordinating Case Studies for Analysis of 'Good' and/or 'Best' Practices for Conservation of Crop Landraces on-Farm (2002), International Plant Genetic Resources Institute (IPGRI), Nairobi.
- 'Development of demonstration sites in Ghana' (2001) PLEC News and Views 18: 20-28

**Addo, S.T.**

- Experiences in Urban Transport Micro-Enterprise Regulation: A Case Study of Accra; A World Bank Technical Paper, 2002 (In print)
- Provision of Urban Transport Services in Accra, Ghana; A World Bank Technical Paper, 2002 (In Print).

**Ofori-Sarpong E**

- Impact of Climate on Agriculture and Farmers Coping Strategies in the Eastern Region of Ghana. *West African Journal of Applied Ecology*, (forthcoming).
- Ecological Region Mapping of Ghana using NOAA-AVHRR NDVI Data (with S. Adu-Prah). *Ghana Social Science Journal* (forthcoming)

**Awadzi, T.W., Bredwa-Mensah, Y., Breuning-Madsen, H. and Boateng, E.**

- (2001) "A Scientific Evaluation of the Agricultural Experiment at Federiksgave, the Royal Danish Plantations of the Gold Coast Ghana". *Danish Geographical Journal* Vol. 101.

**Breuning-Madsen, H., Awadzi, T.W., Bredwa-Mensah, Y., Mount, H. and Hudson, B.**

- (2002) "The Danish Plantations on the Gold Coast of Ghana. Why did it fail? Accepted for publication in U.S.D.A. *Soil Survey Horizons*. Vol. 43, No. 1, pp. 108.

**T.W. Awadzi and R.D. Assiamah**

- (2002). Soil Survey in Ghana. Accepted for Publication in United States Department of Agriculture. *Soil Survey Horizon*, Vol. 43, No. 2, pp. 24-32

**Kufogbe, S.K.**

- (2001) "Networking Systems in Ghana". Paper No. 2, GHANA: National Capacity, Non-Aligned Movement (NAM). Addressing Digital Divide: Report of the Expert Group Meetings of NAM - Centre for South-South Technical Cooperation (CSSTC) on "The Establishment of NAM-

CSSTC Networking System with NAM-Member Countries, Jakarta, Indonesia, March 26-30 2001.

- (2001) "Perspectives on ICT and E.-Linkages in Ghana". Paper No. 13, GHANA. Country Situation, Non-Aligned Movement (NAM). Addressing Digital Divide. Report of the Expert Group Meetings of NAM- CSSTC on "Establishing Electronic Linkages Among NAM-Member countries through NAM-CSSTC. Jakarta, Indonesia, August 26-30, 2001
- (2002) 'Social Adjustment of Liberated "Trokosi" Girl/Woman'. Dissemination Seminar on comparative studies of customary and modern legislation in the area of the family, Inheritance, Marriage and Fertility Rights organised by PIP, Legon and National Population Council (NPC), M-Plaza Hotel, Accra 7-8 August, 2002.

#### **Asiedu, A.B.**

- The Potential of Systems Dynamic Modelling in the Sustainable Planning and Management of Essential Environmental facilities in an Urban Area in Sub-Saharan Africa-Proceedings, International Conference on Spatial Information for Sustainable Development.
- Poverty Reduction Among the Urban Poor in Accra, Ghana – A Comparative Study of the Roles of Two Community-Based Organizations (CBS's), 5th International Society of Third Sector Research (ISTR) Conference.
- Tourism in Ghana-Development -Trends and Future Research Agenda – Monthly Research Seminar Paper, Danida Centre for International Business, School of Administration, University of Ghana, Legon.
- Making Ecotourism More Supportive of Rural Development in Ghana, *West African Journal of Applied Ecology*, Vol.3 (Forthcoming)

#### **Awumbila, Mariama**

- (2001) "Women and Gender Equality in Ghana: A Situational Analysis" In Tsikata D. (ed) *Gender Training in Ghana: Politics, Issues and Tools*. Woeli Publishing Services, Accra. Pp. 33-59.
- (2002) Breastfeeding and HIV/AIDS in Ghana: Implications for Response Strategies. HCPDS. Cambridge, Massachusetts.

#### **Agyei-Mensah S.**

- (2002), "Fertility Transition in West Africa". *The Journal of African Policy Studies*, Vol. 8, Nos. 2 x 3, pp. 63-86
- (2001), Twelve Years of HIV/AIDS in Ghana: Puzzles of Interpretation. *Canadian Journal of African Studies*, Vol. 35, No. 3 pp. 441-472

#### **Conferences and Workshops Attended**

##### **Yankson, P.W.K.**

- AFRICAGIS Conference and Exhibition 5-9 November, 2001, Nairobi, Kenya on the Theme: Enhancing Socio-Economic Development with Geo-Spatial Knowledge.

- SADAOC Foundation Food Production Project – Workshop on GIS Research in Agriculture, Yamoussoukro, Ivory Coast, Dec 3 – 20, 2001.
- SADAOC Foundation, National Conference on Research Output. Accra, Ghana Jan. 30-31, 2002. Presented a Paper on “Modeling Risks of Land Degradation in the Context of Food Security Using GIS”
- Decentralisation and Local Knowledge in Africa: Bamako, Mali, February 15-18, 2002. Presented a Paper on “Decentralization and Local Government Reform: Challenges and Prospects for Grassroot Participation in Ghana.

#### **Songsore, J.**

- 53rd German Geography Congress, Leipzig September 30th – 3rd October, 2001, Presented a paper titled: “Informal Rural Urban Linkages Through Trade: The Case of Wa Town and North-Western Ghana”, in the Working Session on The Urban Rural Interface in the Process of Urbanization of the Poor.
- Seminar on Land and Water Management in Ghana, KTH, Stockholm, Sweden, 5-9th February, 2002. Presented a paper titled “Application of Proxy Indicators for Environmental Health Monitoring in the Greater Accra Metropolitan Area: Approach, Problems with Field Research and Expected Results.
- UNU/AIS Urban Program Review Meeting on Scaling the Urban Challenge from Local to the Global and Back, UNESCO, Paris 10-12 March, 2002. Presented a paper titled, “Poverty and the Environmental Health Agenda in a Low-income City: The Case of the Greater Accra Metropolitan Area (GAMA) Ghana”.
- UNU/AIS – UNESCO/MAB-WHO Ecosystems Meeting on the theme, “Urban Ecosystem Research and the Millennium Ecosystem Assessment: Exploring the Inter-Linkages: Paris 12-15 March, 2002. Presented a paper titled: “The Political Ecology/Human Ecology of Health in Accra, Ghana: From Research to Policy”.
- Inaugural lecture, 2002, February 28, Legon, “Towards a Better Understanding of Urban Change: Urbanization, National Development and Inequality in Ghana.

#### **Nabila, J.S.**

- International Conference on Policy and Democratic Development in West Africa. It took place at the Institute for Political Science, Munster University, Africa Network Initiative in Germany, June 14 to 15. Presented paper on: “Chieftaincy and Democracy Development in Ghana”
- Capacity Building Workshop for Paramount Chiefs in the Eastern Region of Ghana. Institute of African Studies, University of Ghana, Legon, September, 8th-12th, 2002. Presented paper on “Interface Between Culture and Development

#### **Ardayfio-Schandorf, Elizabeth**

- African Women Entrepreneurial Initiatives: Orientation and Focus. Presented

at the Workshop on 'Leadership for African Women Entrepreneurs' organised by the United Nations University Leadership Academy in collaboration with the UNU/Institute for Natural Resources in Africa at the University of Ghana, Legon, Accra, 16-24 October 2001.

- Leadership and African Women Entrepreneurship: Barriers, Achievements and Prospects. Presented at the Workshop on "Leadership for African Women Entrepreneurs" organised by the United Nations University Leadership Academy in collaboration with the UNU/Institute for Natural Resources in Africa at the University of Ghana, Legon, Accra, 16-24 October, 2001.
- Poverty Reduction, the Ghanaian Family and Values. Presented at the African Regional Conference on Youth and Human Values, 8-11 July, 2002.

#### **Gyasi, E.A.**

- Project Development Workshop: WAPLEC Phase 2', Elmina, 10-11 September 2002.
- PLEC Scientific Meeting on 'Agrodiversity in Development', Paris 26-28 August 2002
- IPGRI-UNEP-GEF Meeting on 'Community-based Management of Plant Genetic Resources in Arid and Semi-Arid areas of Africa: Criteria and Methodological Framework', Nairobi, 8-10 July 2002.
- IPGRI Preparatory Consultative Meeting on 'Community-based Management of Plant Genetic Resources in Arid and Semi-Arid areas of Sub-Saharan Africa,' Accra-Legon, 24-25 June 2002.
- General meeting of UNU/PLEC on 'Working with Farmers for the Cultivation of Biodiversity while Improving Livelihoods', New York, 23-27 April 2002.
- International Symposium, 'Managing Biodiversity in Agricultural Ecosystems', Montreal, 8-10 November 2001.
- 6th WAPLEC Regional Workshop on 'Managing Agrodiversity for Food Security and Improved Rural Livelihoods (Policy Implications and Futures of UNU/PLEC Work in West Africa)', Accra-Legon, 9-12 October 2001.

#### **Addo, S.T.**

- The World Bank's Urban Transport and Mobility Training Workshop for Eastern and Southern Africa held in Addis Ababa, Ethiopia, May 13-17, 2002. Paper Presented: Experiences in Urban Transport Micro-Enterprise Regulation: A Case Study of Accra
- Sub-Saharan Africa Transport Programme Conference held in Maputo, Mozambique, July 1-5, 2002. Paper Presented: Provision of Urban Transport Services in Accra, Ghana.

#### **Awadzi, T.W.**

- 17th World Congress of Soil Science, Bangkok, Thailand on "Traditional Farmers Utilization of the Sandy Soils of South-Eastern Ghana" from 14-21st August, 2002.

### **Kufogbe S.K.**

- Expert Group Meeting of the Non-Aligned Movement Centre for South-South Technical Cooperation (NAM-CSSTC) on the Establishment of NSSTC Networking System with NAM-Member Countries, Jakarta, Indonesia, March 26-30, 2001.
- Export Group Meetings of the NAM-CSSTC on "Establishing Electronic Linkages Among NAM-Member Countries Through NAM-CSSTC. Jakarta, Indonesia, August 26-30, 2002.
- Dissemination Seminar on Comparative Studies of Customary and Modern Legislation in the Area of the Family, Inheritance, Marriage and Fertility Rights - Organised by the Population Impact Project (PIP), Legon and National Population Council (NPC) M-Plaza Hotel, Accra, 7-8 August, 2002.

### **Asiedu, A.B.**

- International Conference on Spatial Information for Sustainable Development, Kenya School of Monetary Studies, Nairobi, Kenya, 2-5 October, 2001.
- 5th International Society of Third Sector Research (ISIR) Conference, "Celebrating the 10th Anniversary", University of Cape Town, Cape Town, South Africa, 7-10 July, 2002.
- Monthly Seminar Series, Danida Centre for International Business, School of Administration, University of Ghana, Legon, 31st May 2002.

### **Awumbila, Mariama**

- "Towards an Energy Policy that is Gender Sensitive and Poverty Eradication Specific" Paper presented at the Workshop on "Gender, Poverty and Household Energy Issues. Energy Commission, June 17-18, 2002.
- "Demographic Change, HIV/AIDS and the Social Responsibilities of the Youth in Ghana" Paper presented at the Africa Conference on Youth and Human Values, July 8 - 11, 2002, University of Ghana, Legon.
- "Social Dynamics and Infant Feeding Practices in Northern Ghana". Paper presented at Sprint Seminar Series on Human Aspects of the Environment, at the Department of Human and Community Development, University of California at Davis, September 16, 2001.
- "Infant Feeding in Northern Ghana: Beliefs, Values and Perceptions" Paper presented at the Harvard Center for Population and Development Studies, October 23, 2001, Cambridge, Massachusetts.
- "Breastfeeding and HIV/AIDS in Ghana: Implications for Response, Strategies and Programs". Paper delivered at Seminar on Population and Development Policies: A World of Contention, Harvard Center for Population and Development Studies, November 20-21, 2001, Cambridge, Massachusetts.
- "Women's Work, Access to Resources and Environmental Change in Ghana" Paper presented at Seminar in Elon University, Elon, North Carolina, September 9-10, 2001.
- "Household dynamics and Infant Feeding Practices in Northern Ghana". Paper presented at Workshop on "The Family in Africa: Forms, Functions, and Priorities for Research and Action" February 11, 2001, CPDS, Harvard University.



**Agyei Mensah S.**

- Attended the Seminar on Sonocultural Dimensions of Reproductive Health and Human Development, 27-29 June, 2002. Institute of African Studies, University of Ghana, Legon.
- Presented a paper titled "HIV/AIDS in Sub-Saharan Africa: A Geographical Perspective" to the Norwegian Geographical Society, 9th October, 2001, Trondheim, Norway.
- Presented a paper titled "Migration and Family Health in Ghana" at the International Seminar on African Family Studies in a Globalizing World. Institute of African Studies and School of Public Health, Accra 1-3rd October, 2002.

**Attua, E.M.**

- Conference on Applications of Space Technology in Toulouse, France.
- Workshop on Organic Matter in Soil; Pools and Processes in Brorfelde, Denmark, titled: Carbon Sequestration in Fallow Systems

**APPENDIX A****UNITED NATIONS UNIVERSITY PROJECT ON PEOPLE, LAND  
MANAGEMENT AND ENVIRONMENTAL CHANGE (UNU/PLEC):  
END OR FIRST PHASE OF PLEC IN WEST AFRICA**

February 2002, saw the conclusion of the first phase of the United Nations University (UNU) Project on People, Land Management and Environmental Change (UNU/PLEC), which had started in 1993.

By national and international networking, PLEC sought to bring together the guided work of six regional clusters of scientists including a West African one (WAPLEC), for action-oriented policy-relevant research on small-farmer management of biodiversity in the tropics. The basic goal was to develop sustainable and participatory approaches to conservation, especially of biodiversity within small farmers' agricultural systems for the purpose of enhancing food security.

In 2000/2001 as in previous years, WAPLEC work focused on sites in the Republic of Ghana and Guinea. The work was essentially demonstrative, with funding by Global Environmental Facility (GEF) through UNU and UNEP (United Nations Environment Programme). It continued to be carried out according to participatory procedures by farmers in concert with scientists drawn from Université de Conakry in Guinea and University of Ghana, University of Science and Technology and University for Development Studies, all in Ghana, under the overall co-ordinating leadership of Professor Edwin A. Gyasi through the University of Ghana.

Through this arrangement, gains continued to be made in narrowing the historic Anglophone-Francophone academic divide. The attempt at developing sustainable conservation methods advanced significantly in nine demonstration sites in various

stages of development.

Growing success of the PLEC effort was reflected by the outputs, notably the effective use of expert farmers to demonstrate and disseminate various resource conservation and development activities, including the following ones in Ghana:

- biodiverse agroforestry based on traditional practices;
- oprowka or proka, a farming system that conserves biodiversity by avoidance of fire to clear vegetation, and by leaving the cleared vegetation in situ for mulching;
- exchange of germplasm and farming knowledge among farmers;
- management of plant nursery and arboretum;
- forest regeneration;
- management of conserved forest; and,
- generation of income or additional value from conservation through such activities as apiculture and snail farming in home gardens and forests conserved in the backyard.

Other activities within the outside demonstration sites included:

- training of farmers in modern agricultural resources management at the University of Ghana Agricultural Research Station at Okumaning;
- various PLEC-sponsored farmer-support programmes such as provision of seedlings and other farm inputs, to encourage conservation; and,
- participation of WAPLEC scientists in meetings in Ghana, USA, Canada and France.

Five of the demonstration sites were firmly established and serving as models of their kind under the management of farmers in the southern, central and northern sectors of Ghana.

Scientists contributed chapters to the PLEC book, *Cultivating Biodiversity: Understanding and Using Agricultural Diversity*, which was published in 2002. A second book, *Managing Biodiversity: The Traditional Way in West Africa (Methodological and Policy Lessons for Sustainable Resource Use)*, whose chapters are mostly authored by Ghanaians, is undergoing editing for publication. Both books draw on the rich PLEC research experience in participatory ways of resource conservation and development.

PLEC achievements demonstrate the promise of an alliance of scientists, farmers and policy agents as a strategy of improving rural living conditions on basis of traditional knowledge tempered by the modern.

Following a favourable review of PLEC work under GEF (Global Environmental Facility) funding in the last four years, a process has been initiated for a phase two with a focus on management of agro-bio-diversity and land degradation for improvement in rural livelihoods.

## APPENDIX B

### ACTIVITIES OF THE TEACHING AND RESEARCH LABORATORY OF THE REMOTE SENSING APPLICATIONS UNIT (RSAU) 2000/2001

#### Overview

The Remote Sensing Applications Laboratory (RSAL) was established in the Department of Geography and Resource Development, University of Ghana, to develop the capacity to provide remote sensing and geographic information systems services and to undertake and assist research into land and water resources, appraisal and monitoring including rural and urban land use patterns and trends. It also supports the teaching programmes of the environment and resource based departments in the University.

#### Teaching

During the year under review, two courses in Remote Sensing and G.I.S. were taught in the department using facilities in the laboratory. The undergraduate course on introduction to Remote Sensing and Geographic Information Systems (GEO 307) was taught in the first semester for students in geography as well as students from other departments. The graduate level course GEOG 604 – Remote Sensing and Geographic Information Systems was taught in the second semester. This course was taken by first year M.Phil students from the Department of Geography and Resource Development as well as some first year M.Phil. students from some departments in the Faculties of Science and Agriculture.

#### Funding

Remote Sensing Applications Laboratory has continued to receive financial and technical maintenance support from DANIDA under the linkage arrangement between the University of Copenhagen (Institute of Geography) and the University of Ghana. In May 2002, the equipment in the laboratory were serviced and the software upgraded. The contract of a local firm, which, had been contracted to undertake routine maintenance of the computers and other equipment in the laboratory, was renewed and extended for another year. Currently, the project is in its final phase and therefore it is on a much-reduced budget. The DANIDA ENRECA project continues to provide support for M.Phil. and Ph.D. students using the facilities in the laboratory for their theses projects on a much reduced budget since the project is in a winding-up phase.

#### Research

The major research activities carried out in the laboratory were theses research projects by graduate students sponsored by the ENRECA projects. During the year under review, two of the Ph.D. candidates, namely Mr. E.M. Attua and Mr. Osman Alhassan, submitted their theses. Mr. Attua's thesis titled Ecological Studies of Fallow in Carbon Sequestration was successfully defended in July 2002 while Mr. Osman Alhassan's thesis titled: Land Cover Change and Woodfuel Resources Management in the Densu Basin was successfully defended in September 2002.

Two M.Phil. candidates – Mr. Albert Allotey and Paul Oppong successfully completed their theses projects and graduated in March 2002.

### **On-going Theses Research Projects**

#### **Kufogbe, S.K.**

- Modelling Land Use and Environmental Change in the Afram Plains of Ghana (Ph.D. Thesis in Geography in the final stages of presentation).

#### **Opoku Pabi**

- Sustainable Utilisation of Agro-Ecological Resources in New Juaben Municipality (Ph.D. Thesis in Botany in the final stages of presentation).

### **Staff Research**

Prof. Yankson, with the assistance of Albert Allotey, is still engaged on Food Production research in Ghana sponsored by SADAOC Foundation. The research focuses on the use of GIS to model aspects of land degradation in the context of food production in selected study districts in Ghana.

### **Visits**

Jens Grundmann, from our counterpart Institution, the Institute of Geography, University of Copenhagen, visited the laboratory from 19-24 May, 2002 to conduct preventive maintenance and to upgrade both software and hardware facilities of the laboratory. He also installed one lap-top computer and other equipment and accessories that had been procured for the laboratory. In addition, the new Website for the laboratory, which had been prepared and tested in Copenhagen, was installed. The NOAA receiving station, which was installed in June 2000, worked for only six months. From December 2000, the facility was down until about April 2002, when it became operational again. The old computer was replaced with a used and functional computer. It is now capturing images. The laboratory has resumed the delivery of images to University of Bonn on the basis of a memorandum of understanding with that University.

### **Other Activities**

The laboratory partly funded and also played a very active part in the activities organised by the Department in connection with the celebration of the world's GIS day in Ghana.

## **APPENDIX C**

### **THE FAMILY AND DEVELOPMENT PROGRAMME (FADEP)**

The Department of Geography and Resource Development continues to host the Family and Development Programme, which was originally developed as a project of capacity building, training, research, policy analysis and dissemination. The past years have been the re-orientation of FADEP as it now collaborates with relevant and

appropriate Organizations and institutions to undertake family and gender research and outreach programmes.

In collaboration with the United Nations University /Institute for Natural Resources in Africa, FADEP is conducting research on Women Entrepreneurs and Credit in Natural Resources Management in Ghana. FADEP also runs a capacity building programme for young graduates.

The FADEP Resource Centre continues to receive relevant academic journals, bulletins and books on the family. It also continues to enjoy patronage from researchers, students, visitors and development agents from within and outside the University as well as international organizations.

## **APPENDIX D**

### **POPULATION IMPACT PROJECT**

#### **Introduction**

Population Impact Project (PIP), an outreach programme of the University of Ghana, is managed by the Department of Geography and Resource Development. The United States Agency for International Development (USAID) through The Futures Group International of Washington D.C., and the Government of Ghana provide funds for the operation of the project. The focus of the project is on Population, Resources, Environment and Development. However, in line with the Action Plan of the International Conference on Population and Development (ICPD) which was held in Cairo in 1994, special focus has been given to issues of Reproductive Health and Sexually Transmitted Diseases and HIV/AIDS. PIP continues to make available relevant information on population and development interrelationships to the public, particularly policy makers, opinion leaders, pressmen, religious leaders and in recent times, senior officers of the security services notably the Ghana Armed Forces and the Police Service in the form of RAPID presentations using audio-visual equipment and a computer.

#### **Seminars and Workshops**

In conformity with its objectives, PIP organised a number of population-related seminars and workshops. The key seminars organised were:

- (a) Seminar on Population and Development and HIV/AIDS in Ghana for Members of Parliament (MPs). This was a collaborative seminar that PIP held with the National Population Council (NPC) Secretariat. The seminar was held to sensitize members of the Parliamentary Caucus on Population and Development from 23-24 November, 2001 at Villa Cisneros, Sogakope in the Volta Region of Ghana. During the open forum, MPs proposed among many other things that part of their MP's Common Fund should be used to support population activities including operations researches.

- (b) Presentation on the HIV/AIDS/STI Policy, Strategic Framework, Situation and Impact of HIV/AIDS on Ghana. The presentation was held on 17th November, 2001 at the palace of the "Okyenhene", the chief of the Akyem Abuakwa traditional area of the Eastern Region of Ghana. Participants included all chiefs under the Akyem State. It was held as part of activities marking the World HIV/AIDS Day and focused mainly on the HIV/AIDS/STI Policy with emphasis on the role of Chiefs in the fight against HIV/AIDS. At the end of the presentation, the Okyenhene pledged to lead the crusade against HIV/AIDS in the country. He also called on government to provide adequate funding in support of HIV/AIDS and to embark on national campaigns as a matter of urgency. He finally urged the chiefs to voluntarily go for testing for HIV/AIDS to pave the way for their subjects to follow.
- (c) Presentation on Adolescent Reproductive Health Including HIV/AIDS in Ghana at Achimota School, Achimota-Accra on January 23, 2002. It was organised by the Mammo Club of Ghana in collaboration with the Population Impact Project. It was attended by members of the Youth Against AIDS (YAA) Club and other students of the Achimota School. YAA is an adolescent club in selected second cycle institutions in Ghana that sensitises adolescents on Adolescent Reproductive Health issues. The members of the club pledged to abstain from sex till they are married, never to allow themselves to be coerced into unwanted sex, persuade friends of the opposite sex to respect their pledge of abstinence, become role models in their schools, churches, homes and communities as well as actively join other members of the YAA club to educate their peers on the dangers of STDs, HIV/AIDS and premarital sex.
- (d) Presentation on "Population, Development and the Youth in Ghana" at a 3-day Youth Advocacy Workshop with special focus on media partnership for Youth Development. The workshop was organised by the National Youth Council (NYC) at the Ghana Registered Nurses Association Hostel in Accra on the 30th January, 2002. About 50 participants drawn from all the Media houses in Ghana attended the presentation.
- (e) A presentation was made on the Economic Impact of HIV/AIDS on selected Business Organisations in Ghana at a seminar on "The role of the media in population management in the 21st Century". The seminar was organised by the Greater Accra Regional Population Council in collaboration with PIP for media personnel from the Public and Private Media Institutions. The seminar was held in the Conference Room of the Regional Co-ordinating Council, Accra on 14th February, 2002. It was designed to equip and upgrade the knowledge and skills of journalists to enable them to effectively disseminate population issues with adequate information. At the end of the presentation, it was recommended that companies that have already started workplace programmes on HIV/AIDS should share their experiences with other business organisations.

- (f) Sensitisation Seminar on Population and Development and HIV/AIDS for selected personnel (men and women) of the Ghana Police Service. The National Population Council Secretariat in collaboration with PIP and the Ghana Police Service organised the seminar. The venue was the Ghana Police Service Training College at Tesano, Accra on the 20th February, 2002. It was noted at the seminar that the police, especially the Women and Juvenile Unit (WAJU) of the Ghana Police Service should be at the forefront in the fight against the HIV/AIDS menace through maintenance of law and order. Again, it was recommended that HIV/AIDS education should form part of all police parades, meetings, durbars and training programmes.
- (g) The Population Impact Project in collaboration with the Greater Accra Regional Population Council's Secretariat, organised a one day seminar on Thursday, 11th April, 2002 in the conference room of the Regional Coordinating Council, Accra. The seminar was organised to sensitize 60 heads of Departments, Chairmen and Directors of the Six Sub-Metros of Accra Metropolitan Assembly on "Population and Development in Ghana" and the "Economic Impact of HIV/AIDS on Selected Business Organisations in Ghana. At the end of the presentations, participants were tasked to start thinking of what they were going to do as they go back to their various places of work.
- (h) The Population Impact Project in collaboration with the National Population Council and the Ministry of Local Government and Rural Development organised a two-day seminar on Population, Environment, HIV/AIDS and National Development: Challenges to Policy Makers and Planners. Participants were District Chief Executives (DCEs) and Presiding Members from four regions of Ghana namely; Greater Accra, Volta, Central and Western Regions. The seminar was held at the Maple Leaf Hotel, New Achimota-Accra during 19-20 April, 2002. At the end of the seminar, DCEs stated their preparedness to factor population issues in development planning of their various districts.
- (i) The Population Impact Project in collaboration with the National Population Council secretariat organised a sensitisation seminar on Population, Development and HIV/AIDS on 9th September, 2002 for Prison Officers. The seminar was held at the Prison Officers Auditorium near the Borstal Institute in Accra. After the presentation the officers agreed to include Population and Development and HIV/AIDS in their training curriculum.
- (j) The Population Impact Project in collaboration with the National Population Council Secretariat organised a sensitization seminar on Population, Development and HIV/AIDS in Ghana for personnel of the Fire Service. The seminar was held on 11th September, 2002 at the National Fire Service Headquarters Auditorium, Accra.

- (k) The Population Impact Project in collaboration with the National Population Council Secretariat organised a one-day seminar on Management of Ghana's Population for Honourable Members of the Finance and Welfare Committee of the Council of State. The seminar was held in the conference room of the Council of State on Wednesday, 16th October, 2002. After the seminar, the chairman to the committee suggested that a similar seminar should be organised for the entire Honourable members of the Council of State. He said, this will help each one of them to learn more about Ghana's Revised National Population Policy of 1994 and also to know the interrelationships that exist between Population and Development and HIV/AIDS situation in the country.

### **Extension**

PIP staff continue to serve on the Technical advisory Committees of the National Population Council (NPC). It also provides technical assistance to the NPC on various programmes.

In addition to this, PIP is serving as the Implementing Agency for the Project; Comparative Studies of Customary and Modern Legislation in the Area of the Family Inheritance, Marriage and Fertility Rights on behalf of the National Population Council Secretariat and the Government of Ghana, as part of the Third Country Programme being funded by UNFPA. PIP participated actively in a POLICY Project co-ordinated to develop a National HIV/AIDS Draft Policy for Ghana. The National HIV/AIDS Draft Policy is currently being discussed by Government for adoption. The Ministry of Health has also requested PIP to develop an Information, Education and Communication (IE&C) and Advocacy Plan for Adolescent Health Programmes in Ghana.

### **Visitors**

- (a) Mr. Vijay Rao, Senior Policy Analyst from Population Reference Bureau (PRB), Washington D.C., USA paid a working visit to PIP on 22nd April, 2002 during his stay in Ghana between April 15th-26th, 2002. His visit among other things was to conduct an assessment of the MEASURE Communication Project activities in selected countries including Ghana. Since PIP and PRB have had a long association, Mr. Rao visited PIP office and had interviews with the Management Staff.
- (b) Prof. Paul Nkwi, The Executive Director, African Population Advisory Committee (APAC), Nairobi-Kenya visited Ghana from Wednesday 4th to Saturday 7th September, 2002. During his stay, he met with the Technical Committee of APAC at the office of the Population Impact Project to discuss ways to Energize Ghana Population Agenda. A similar meeting was organised together with APAC Ghana Country Team at the Conference Room of the National Population Council Secretariat in Accra to discuss the future of APAC.



## APPENDIX E

### REPORT ON THE ECOLOGICAL LABORATORY (2001-2002)

The ECOLAB is headed by Prof. S.K.A. Danso as Director with Mr. T.W. Awadzi as Deputy Director. The ECOLAB was set up as an ENRECA (DANIDA) project in 1993, in response to an urgent need for a well-equipped science laboratory to be used primarily by graduate students of the University of Ghana to carry out their theses research projects. It was also intended to be an inter-disciplinary facility for the Faculties of Science, Agriculture and Social Studies. Both objectives have been satisfactorily achieved, and ECOLAB as it is today is among the best-equipped science research laboratories in Ghana. Besides, the graduate students using the laboratory have extended beyond those from the three above-mentioned faculties in the University of Ghana to include graduate students from several Departments in Cape Coast University. Furthermore, the usage of ECOLAB has had to be extended to include scientists and researchers from the Ghana Atomic Energy Commission, the Food Research Institute, Accra, the Agricultural Research Institutes of the University of Ghana at Kpong and Kade, in addition to its serving the research needs of several lecturers and staff of many Departments of the University of Ghana, who for lack of particular equipment in their outfits, have had to fall on the ECOLAB facilities for their research. The number of graduate students who used facilities in ECOLAB for their research in the 2001/2002 academic year were 68, made up of 17 Ph.D. and 51 M.Phil. students.

ECOLAB has initiated the publication of an international journal. Two Volumes, 1 and 2 have been published. Volume 2 consisted of 10 articles and a total of 115 pages. Volume 3 is currently being edited and will be published by December, 2002.

During the 2001/2002 academic year, several scientists visited the Laboratory. These include Professor Henrik Breuning-Madsen, Danish counterpart of ECOLAB in June and November 20-30, 2001), Professor Christian Christiansen, University of Copenhagen (January 20-30, 2001), Assoc. Prof. Lars Krogh, University of Copenhagen (January 20-30, 2001), Professor Anette Reenberg, University of Copenhagen (February 4-9, 2001), archaeologist Mads Holst, Moesgaard, Aarhus University (5 February -10 March, 2001), Konservator Helge Brink Madsen, Copenhagen (15 February-10 March, 2001), Konservator Henrik Dinesen, Copenhagen (15 February - 10 March), Archaeologist Klaus Randsborg, University of Copenhagen (1-10 March, 2001), Henrik Stendal, GEUS, Copenhagen (11-25 March, 2001) and Archaeologist Klaus Randsborg, University of Copenhagen (20-30 November). ECOLAB also hosted a 2-day training course for 12 students on the conservation of metals. The lecturers were, Konservator Helge Brink Madsen and Konservator Henrik Dinesen from Konservatorskolen in Copenhagen. In addition to these, Mr. Martin Jakobsen, a B.Sc. student from the Chemistry Institute, University of Copenhagen undertook part of his thesis research in ECOLAB, under the supervision of a lecturer from the Soil Science Dept., University of Ghana.

Major research projects undertaken by ECOLAB staff and collaborators centred broadly on (i) Nutrient Cycling and Pollution of Ecosystems and (ii) Biofertilizers and Carbon Sequestration, *the role of termites in soil formation in the forest zone of Ghana, distribution, quantity and the nutrient content of harmattan dust in Ghana.*

## **Publications**

**Awadzi, T.W., Yaw Bredwa-Mensah,  
Henrik Breuning-Madsen and Enoch Boateng**

- \* "A Scientific Evaluation of the Agricultural Experiment at Federiksgave, the Royal Danish Plantations of the Gold Coast, Ghana". *Danish Geographical Journal* Vol.101.

**Henrik Breuning-Madsen, Theodore W. Awadzi,  
Yaw Bredwa-Mensah, Henry Mount and Berman Hudson**

- (2002) "The Danish plantations on the Gold Coast of Ghana – why did they fail? In *Soil Survey, Horizons*, Vol.43, No.1 2002, pp. 1-8.

**Fening, J.O., W. Dogbe, and S.K.A. Danso**

- (2001). Assessment of the potential to improve N fixation by cowpea (*Vigna unguiculata* (L) Walp.) in Ghanaian soils. *Amer. J. Alternative Agric.* 16: 57-65.

**Fening, J.O., and S.K.A. Danso**

- \* (2001). Response of cowpea to inoculation with indigenous Bradyrhizobium strains.

**Fening, J.O., and S.K.A. Danso**

- (2002). Variation in symbiotic effectiveness of cowpea bradyrhizobia indigenous to Ghanaian soils. *Appl. Soil Ecol.* 21: 23-29.

## **APPENDIX F**

### **THE INTERNATIONAL BOARD FOR SOIL RESEARCH AND MANAGEMENT (IBSRAM) / DEPARTMENT OF GEOGRAPHY & RESOURCE DEVELOPMENT, COLLABORATIVE RESEARCH PROJECT**

IBSRAM is an international non-profit making organization with headquarters in Bangkok, Thailand and regional office for Africa in Kumasi (KNUST Campus). It now operates as the International Water Management Institute (IWMI) due to its affiliation with the latter. It promotes collaborative research for sustainable land management (SLM). Its programme addresses the needs of poor farmers on marginal lands where displacement of soil (erosion and sedimentation), crop nutrients (mining accumulation, and pollution), or water is leading to social or economic problems. Due to its new affiliation the project now works with the International Water Management Institute.

IWMI continues to work on its project entitled "Improving Rural-Urban Nutrient Cycle through Peri-Urban Agriculture". The main objective is to increase awareness among municipal and national authorities for an improved rural-urban nutrient cycle by identifying economically and socially acceptable recycling option for organic waste stream products for farmers in urban and rural areas, especially within the rural-urban interface.

The project successfully supported the long essays of 10 Level 400 students in 2000/2001. The project is currently providing grants for 2 M.Phil students working on Urban farming and generation of liquid waste.

## **APPENDIX G**

### **CENTRE FOR REMOTE SENSING AND GEOGRAPHIC INFORMATION SERVICES (CERSGIS)**

#### **Background**

The Centre for Remote Sensing and Geographic Information Services (CERSGIS) has been in operation in the last two (2) years as a financially self-supporting entity, registered as a company limited by guarantee, responding primarily to the needs of users (clients). There is a mandatory secondary role to support teaching and research. This mandatory secondary role still remains underdeveloped, waiting for recommendation from Council on the basis of the Sub-Committees report. During the period the Centre's performance has focused more on realizing its vision as stated in the Sustainability Plan:

"Centre of excellence in the promotion and provision of environmental information for management, providing user-focused services, undertaking research and facilitating capacity development in environmental information management".

During the course of the two years CERSGIS has expanded this vision beyond the "environmental information management", with its motto "Confidence Building in Resources Management Information Systems". The Centre has thus a wider opportunity to integrate Management Information Systems (MIS) and Geographic Information Systems (GIS). The objectives of survival and expansion of clientele led to this strategy. This report outlines what has been achieved and the way forward.

#### **Personnel and Equipment Management**

The Centre operates within the mainstream applications of the Information Technology (IT) in the area of Geospatial Information Management for development. In this IT-mainstream there are two basic management problems. One is the problem of retaining its highly skilled personnel for the planned activities. So far nearly all the staff that started with the Centre are still at post, except two, who disengaged and departed for higher studies in the USA, on their own. The other management problem has to do with its equipment replacement and maintenance. The second problem partly arises from (a), the fast changing IT market and (b) the technology

of space imaging. The latter concerns the super high-resolution space images that are now coming out from the most current space imaging satellites. These image data require PCs with large memory and high speed. The Management of the two problems calls for substantial spending on equipment replacement. The Centre has to generate enough funds from its activities in order to cope with high cost of keeping its equipment and staff to be able to cope with the demands of the highly competitive market. This has largely accounted for the emphasis the Centre has deliberately placed on its client-focused activities.

### **The Personnel**

So far the Centre has been operating with a regular team. In addition, it has been engaging the services of some specialized consultants on ad-hoc basis for specific jobs. The stable staff gives an indication that they are reasonably satisfied with the Centre's service conditions at the moment. This full list is as follows:

Dr. Emmanuel Amamoo-Otchere	Executive Director
Ms. Brigitte Kpodar	Principal Business Manager
Mr. Foster Mensah	Snr. Applications Specialist
Mr. Steve Duadze	Snr. Applications Specialist (on study leave)
Mr. Benjamin Akuetteh	Applications Specialist I
Mr. Isaac Osei-Akoto	Business Manager II
Mr. Peter Nawurah	System Administrator I
Mr. Foster Asante	Asst. Applications Specialist II
Mr. Francis Kartey	Asst. Applications Specialist II
Mrs. Dina Adjei Boadi	Asst. Applications Specialist II
Mr. Emmanuel Tetteh	Geographic Data Analyst II
Mr. Ansu Gyeabour	Geographic Data Analyst II
Mr. Augustine Nyamekye	Geographic Data Analyst II
Mrs. Margaret Akwasi-Kuma	Business Assistant I (Finance)
Mrs. Mabel Ayivi	Business Assistant II (Secretarial)
Mr. Bernard Omaboe	Business Assistant III (General services - Driving)
Mr. John Boateng	Business Assistant III (General services - Driving)
Mr. Kulby Musah Adams	Business Assistant III (General services - Driving)
Mr. Robert Tetteh	Janitor

### **The Equipment**

The first set of equipment was commissioned in 1994/95. In the constant use for production during the past six to seven years, some parts of the equipment went obsolete, not capable of handling the new generation of softwares and data sets. In some cases the power-supply failures contributed to some system failures, which led to expensive parts replacement. Over ₦450,000,000.00 has been spent so far to bring the Centre's equipment to its current performance level.

### **The Scope of Services so Far Rendered**

The Centre has offered services to individuals and institutions the range of which is growing by the day. The list at the end of this report throws some light of clientele.

### **Responding to the Interests of the Guarantors**

In the Sustainability Plan the Guarantors have stated their interest for creating the Centre.

### **Environmental Protection Agency (EPA)'s Interest as stated in the Centre's Sustainability Plan**

The relationship between the Centre and EPA derives from the latter's vision and primary role in the establishment of the Unit as part of the EAP implementation process. The relationship between the Centre and the EPA is expected to be collaborative and mutually beneficial to both institutions:

- (a) The EPA will be expected to:
  - continue its advisory role as a member of the Centre's Governing Council
  - continue to utilize and promote the services of the Centre in the context of environmental management
  
- (b) The two institutions should collaborate in the following:
  - development and management of data for environmental management purposes
  - development and implementation of EIS-related programmes
  - development and implementation of environmental education and dissemination programmes of EPA on the environment
  - the Centre serving on EPA's inter-sectoral networks related to EIS
  - the Centre liaising with EPA to co-ordinate and disseminate data to relevant inter-sectoral agencies
  - the Centre supporting the implementation of environmental Information management activities of the EPA
  
- (c) The Centre will make readily available to EPA data generated for environmental management purposes under appropriate arrangement.
  
- (d) EPA will enjoy favoured status in terms of services provided by the Centre.

So far the Centre has been responding to these terms in various ways. The senior staff of the Centre have been playing a catalytic role in the process of establishing the UNEP.Net, which is a gateway in which EPA is being show-cased on issues relating to Environmental Information in Africa. The Centre has also contributed immensely towards the establishment of the National Framework for Geospatial Information Management (NAFGIM), and is currently offering advisory services for the implementation of the Environmental Action Plan (EAP) of the Tema Export Processing Zone. The GIS aspect of the EAP will be implemented through CERSGIS's assistance.

On the side of EPA, the co-ordinating role that the Agency has been playing in the NRMP's implementation has been very positive towards CERSGIS. Our interest has been well protected through the co-ordinator, who is currently the Acting Executive Director of the Agency.

### **The University of Ghana's Interest**

In the Sustainability Plan, the Centre is expected to liaise with the Department of Geography & Resource Development (DGRD) in providing the following functions:

- i. Make the Centre's specialised Remote Sensing and GIS library facilities available to students.
- ii. Organise Internships in environmental information technologies for students.
- iii. Advise on the design and implementation of Remote Sensing and GIS research and application projects.
- iv. Share data and other resources under appropriate arrangements.

Because the Centre emanated from the DGRD, it is natural for the former to relate to the University as a whole through the latter. A Sub-Committee was appointed by the Governing Council to look into the ways and means of operationalizing the organic links between CERSGIS and the Department of Geography and Resource Development. The Governing Council at its 2nd Business Meeting has accepted the recommendations of the Sub-Committee's Report and directed CERSGIS to see to the implementation of the recommendations, which are listed below:

### **The Teaching and Research Lab**

The following were highlighted in the Report.

- To open the Lab to other faculties, departments, centers, schools, and the College of Health Sciences, in order to promote multi-disciplinary use of Remote Sensing and Geographic Information Systems.
- The faculties, etc will nominate representatives to constitute a Technical Advisory Committee (TAC) of 10 members.

The Remote Sensing and GIS user institutions within the university will participate in the running of the T&RL based on subscriptions.

The TAC will be organized to meet twice in the academic year where their programmes, budget, (at the 1st meeting) reports on projects carried out, methodologies, etc (at the 2nd meeting) will be presented.

Through the TAC, both the academic and subscriber specific research projects will be reported to the Management Board.

CERSGIS will also assist in organizing conferences to bring the activities of the TAC member organizations to the stakeholders for purposes of publication and reference materials.

For the TAC to operate seriously as a technical oversight body, and be able to

promote the lab and monitor members' contributions, there will be sitting allowances to be considered for its business meetings.

Tenure of the TAC would be for two years for the representative with another two-year extension.

Curriculum development would involve preparation of notes, training manual and maintaining the hardware and the softwares. Modalities will be worked out on how to support these.

On-going and future collaborative projects will continue under the responsibility of the Head of Department.

The Head of Department and the Executive Director will co-chair the TAC meetings. The University should be requested to recruit a Director for the Lab, who will be seconded or attached to CERSGIS. The Director would run the lab on cost recovery basis, in cooperation with CERSGIS, TAC and the DGRD.

The Director would be a faculty member, receive responsibility allowances with reference to the budgets of the TAC and the collaborative projects. The staff of the lab would be treated similarly. Any additional staff employed by the lab outside the University's payroll would be paid by CERSGIS from the TAC budget.

Funding would be from the stakeholders' subscriptions; CERSGIS will also look for bulk fellowship from bi-lateral and multi-lateral donor agencies; EPA's assistance will be solicited.

A memorandum of understanding would be signed between CERSGIS, the Department of Geography and Resource Development and the University detailing each party's responsibilities.

### **Discussion on Collaboration with the Faculty of Agriculture**

At the initiative of CERSGIS the Faculty of Agriculture has set up a committee to collaborate with the Centre for the implementation of an Executive Masters' programme in Agricultural Information Systems. This collaboration will be separate from the activities of the Teaching and Research Lab in the sense that the Lab will operate within the normal academic programmes.

### **PRELIMINARY ACTIVITIES TOWARDS SUB-REGIONAL/ REGIONAL LEVEL OPERATIONS.**

The University is offering ten percent (10%) of its intake to international students as part of its semi-commercialization strategy for raising part of its operational revenue. CERSGIS is developing a supporting role by looking at some sub-regional/regional level operations in the form of short-term, client-focused capacity development in Geospatial Information, which will target some spatial data user-organisations. The experience to be gained from this short-term activities will be the

basis for developing medium/long-term post graduate diploma/degrees to be run in collaboration with Faculties to attract candidates from the region. Such programmes are envisaged to be funded with donor fellowships which will be adequate for cost-recovery.

#### **Collaboration with Conservation International (CI)**

The Centre has trained three Liberian CI staff for Liberia's conservation planning activities. The quality of the training has been so well appreciated that, the Washington-based Headquarters of CI has indicated its intension to use the Centre as CI's centre of excellence for short-term capacity building for other African Countries.

#### **UNOOSA's African Network for Space Technology and Disaster Management**

CERSGIS is being considered by UN Office of Outer Space Affairs-(UNOOSA) as one of the African centres to be adopted for capacity building in space technology applications for disaster management. This follows from a regional workshop on "Space Technology and Disaster Management", recently held at Addis Ababa, at which the Centre presented its capacity and capability profile.

#### **Partnership with the International Institute for Geo-Information Science and Earth Observation (ITC) in Enschede - Netherlands**

ITC, which is renowned for its training programmes in Geoinformation, is discussing with CERSGIS for collaboration into pursuit of some national and sub-regional projects. As a starter, a "Refresher Workshop" has been scheduled in December 2002 for ITC's sub-regional Alumni in Geoinformation. CERSGIS will contribute facilities and staff towards the workshop.

#### **Co-operation with Le Groupement pour le Developpement de la Teledetection Aerospatiale (GDTA) (Toulouse - France)**

GDTA is a member of the French Space Agency (CNES), dedicated to training and research in space imaging and in the use of the images from the French SPOT satellite. SPOT images are acquired by CNES, and are well known for their cartographic fidelity. Since May 2002, the SPOT 5 Satellite has commenced rolling out super-high resolution (2.5m) images, excellent for detailed level land use and environmental data extraction. GDTA offers short-term training in SPOT data processing and GIS.

The Management of CERSGIS has worked out a strategy to use the partnership with GDTA, through the French Technical Co-operation, to acquire and utilize SPOT data and also regularly up-grade the technical staff.

#### **Co-operation with Ministry of Defence in UK**

This is an ambitious step that should put the Centre's expertise and facilities in digital geographic data management in a new paradigm, which is "Defence Geographic Image Intelligence for Peace Missions". The selection of the Centre was based on some experimental work it carried out in image processing for MOD-UK, in connection with a planned joint UK-Ghana "exercise". Our response to the



request has been aimed at becoming a "centre of excellence" for geographic and image data management for UN-related peace missions. This will not only harmonize with UN's resolution on the peaceful uses of Outer Space, but also open up the Centre for use in that paradigm.

### **UN Youth Forum in Space Technology and Science**

CERSGIS will open up this corridor, which is to lead to the possibility of partnering the University for holding in future "Summer Programmes" for the Youth of Africa in the area of "Peaceful Uses of Outer Space for Africa's Ignorance and Poverty Reduction". The Centre is in the process of preparing a sensitisation package for UNOOSA's consideration.

### **CERSGIS in Co-operation with Darwin Initiative Project**

The Darwin Initiative concerns Conservation, promotion and sustainable Use of Medicinal/Nutritional plants in Ghana. The pilot project was carried out in collaboration with the Royal Botanic Garden (Edinburgh), the Botanic Garden Conservation International (Cambridge), the Aburi Botanic Garden, the Department of Botany of University of Ghana and the UNEP/WCMC. The output of the project is now on a web site <http://www.unep-wcmc.org/species/plants/ghana>.

### **EXECUTIVE DIRECTOR'S FINANCIAL REPORT**

In line with the self-supporting, self-accounting and self-sustaining status of the Centre, its Management Board meets quarterly to review its performance. The Governing Council of the Centre also meets twice to review the activities of the Board and the Centre. What is reported below has been presented to the Board as well as the Governing Council.

#### **Audited Accounts for the Year 2001**

Year 2001 financial statements have been audited and duly signed. The Audited Accounts show an expenditure of ₵371, 518,060 and an Accumulated Fund of ₵1,806,799,613. Fixed Assets increased to ₵210,599,323 representing 110% over the previous year. This was as a result of re-capitalization to ensure that the Centre is well equipped. Investment in fixed deposits increased by 136% over the previous year.

#### **Budget 2002**

The Budget 2002 attempts to consolidate the transitional phase of the Centre. It reflects the continuing re-capitalization of the Centre; continuing client follow-ups, and staff exposure at sponsored conferences and workshops for Business Promotion and completion of activities began the previous year. The Budget 2002 constitutes 1.94% increase in expenditure over the Actual Expenditure of Year 2001.

#### **Operations Results for Mid-Year 2002**

The Income over Expenditure for the 1st and 2nd Quarters of Year 2002 were ₵369,106,889.93 and ₵232,688,058.32 respectively.

Fixed Assets increased by 145% and 26% between the 1st and 2nd Quarters respectively.

The Centre is trying to live up to the high expectations of the Board and Council. Its accounts are up-to-date and the financial management very open. Management believes that the openness of its financial/business management is fundamental for winning serious development partners and donors for the implementation of its Strategic Plan. The technical ability and capacity of the Centre to deliver are becoming recognized locally and externally.

#### **A FIVE-YEAR STRATEGIC PLAN**

In response to the Management Board's request, the Centre is preparing a Five Year Strategic Plan. The Plan is expected to move the Centre from its present level to a fully-fledged entity in which, among other things, the expectations of EPA and the University of Ghana will be fully catered for, while other interested agencies could be welcome to participate in the Centre. As part of the overall interest of the nation, the Centre will take advantage of the globalisation paradigm by making its services available to clientele beyond the borders of Ghana. This vision is being reflected in the Five-Year Strategic Plan, in which the vision is a "Centre of Excellence for Information Technology Applications to Ignorance and Poverty Reduction in Ghana and Africa".

#### **LIST OF PROJECTS FROM YEAR 2000 TO AUGUST 2002**

<b>Project Title</b>	<b>Type of Activity</b>	<b>Institution</b>	<b>Revenue Generation</b>	<b>Duration</b>	<b>Status</b>
Capacity building in GIS	GIS Training	Ministry of Health	Medium	Short term	Completed
Capacity building in Computer	Computer appreciation Training	Ministry of Health	Medium	Short term	Completed
Savannah Resource Management Project	GIS/RS Training	Savannah Resource Management Project	Low	Short term	Completed
Feeder Roads database development	Classification and digital conversion of feeder roads data	Dept. of Feeder Roads	High	Long term	Completed

<b>Project Title</b>	<b>Type of Activity</b>	<b>Institution</b>	<b>Revenue Generation</b>	<b>Duration</b>	<b>Status</b>
Women's Health in the City of Accra	GIS and Map-related Research	University of Michigan	Low	Short term	Completed
GTZ Rural Health Services Support (Brong Ahafo Region)	GIS Database development GIS training	Ministry of Health - GTZ Rural Health Services Support (BAR)	Medium	Short term	Completed
Mole National Park strategic area geographic datasets	GIS developmental Map Production	UNESCO, Ghana	Low	Medium term	Completed
Fisheries Sub-sector Capacity Building Project	GIS Database Development	Ministry of Agriculture	High	Medium term	Completed
UNDP/ Ghana Capacity 21 Project - District environmental resource infrastructure	GIS Database Development GIS Training	UNDP/ Ghana	High	Long term	Completed
Densu River Basin Geographic datasets	GIS Database Development	Nii Consult	Medium	Medium term	Completed

<b>Project Title</b>	<b>Type of Activity</b>	<b>Institution</b>	<b>Revenue Generation</b>	<b>Duration</b>	<b>Status</b>
Accra Metropolitan Environment Health System (AMEHIS): Capacity Assessment Survey	GIS Database Development Advisory and support	Accra Metropolitan Assembly	High	Long term	Completed
Produce handling database	Development of Initial database	Ghana Cocoa Board	High	Long term	On-going
Community on and off reserve species database	RS/GIS Database Development	Traditional Energy Unit	High	Long term	On-going
WRI-DANIDA/WRIS Capacity building	GIS training	Water Research Institute	Medium	Short term	Completed
Image processing and interpretation of coastal Environment of Winneba	RS/GIS Database Development	Dept. of Oceanography, Univ. of Ghana	Low	Short term	Completed
Community based development and monitoring system	Community base Map revision GIS training	UNICEF, Ghana	High	Long term	Completed

<b>Project Title</b>	<b>Type of Activity</b>	<b>Institution</b>	<b>Revenue Generation</b>	<b>Duration</b>	<b>Status</b>
Natural Resource Management Project (NRMP)	First update of Land cover/ land use map of Ghana	Min. of Lands and Forestry	High	Long term	On-going
District Geographic Data sets	Compilation and production of map sets	JICA	Medium	Short term	Completed
Water Resource Commission Capacity building	GIS Training	Water Resource Commission	Medium	Short term	Completed
GTZ-Promotion of District Capitalls II	Compiled activity maps on infrustructure	GTZ-Promotion of District Capitalls II	Medium	Short term	Completed
National Feeder Roads Rehabilitation and Maintenance - Capacity building	RS/GIS Database Development GIS Training	Department of Feeder Roads - NFRRMP	High	Long term	Completed
Swollen shoot virus control database management and capacity building	RS/GIS Database Development	Ghana Cocoa Services Division	High	Long term	Verbal approval

Project Title	Type of Activity	Institution	Revenue Generation	Duration	Status
Pharmacy Services outlet database	Base Map Production Capacity Development	Pharmacy Council	High	Medium term	Written approval
Environmental change monitoring of the past and present	Base line mapping	United Nations Development Programme (UNDP)	High	Medium term	Written approval
Image maps for identification of potential rice lands	RS/GIS Database Development	Ministry of Food and Agric.	High	Medium term	Verbal approval
Capacity building for Conservation International, Ghana	RS/GIS Training	Conservation International, Ghana	Medium	Medium term	Proposal sent

## DEPARTMENT OF HISTORY

### Staff

The Department of History is supposed to have a Staff of 14. However, there are only Six (6) permanent Staff. One (1) retiree is on Part-Time. Dr. (Mrs.) Akosua Perbi returned to the Department after a two-year Sabbatical leave (October 1999 – September 2001). She resumed duty on 1st October 2001.

The Staffing position is as follows:

### Senior Members

Professor J.K. Fynn	-	Part-Time
Dr. (Mrs.) Akosua Perbi	-	Senior Lecturer (Head of Department)
Dr. N.J.K. Brukum	-	Senior Lecturer
Dr. D.E.K. Baku	-	Lecturer
Mr. Ekow S.A. Korsah	-	Lecturer

Mr. Kwaku Nti	-	Lecturer
Mr. Sylvester Gundona	-	Lecturer

### Senior Staff

Mr. Samuel K. Agbeve	-	Administrative Assistant
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### Junior Staff

Ms. Mary Acquah	-	Clerk Grade I
Mr. Lawrence Acheampong	-	Senior Headman
Mr. Eric Attuahene	-	Messenger/Cleaner

### Student Numbers

Level 100	-	1,200
Level 200	-	365
Level 300	-	91
Level 400	-	41
Ph.D	-	3
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Total	-	1,700
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The Department also offered a compulsory course for over 400 Level 200 Biological Science students during the First Semester. This was HIST. 205, A History of Western Medicine in Ghana.

## Courses

### First Semester

Level 100	
HIST. 101	Earliest Civilisations

### Level 200

HIST. 201	Historiography
HIST. 203	Africa and the Wider World in the 19th Century
HIST. 205	A History of Western Medicine in Ghana

### Level 300

HIST. 301	History of Ghana up to 1800
HIST. 303	History of Africa up to 1500
HIST. 304	Aspects of Early Modern European History
HIST. 305	The Black Diaspora
HIST. 307	Economic History of West Africa, 1790-1890

### Level 400

HIST. 401	Aspects of Intellectual History
HIST. 407	Colonial Rule and African Response; Partition and Pacification
HIST. 413	History of Modern Russia and USA, 1700-1860

- HIST. 417 Aspects of World History, 1914-1945  
HIST. 491 Fante States in the 17th Century

## **Second Semester**

### **Level 100**

- HIST. 102 Selected Topics in World History

### **Level 200**

- HIST. 202 Historical Methodology  
HIST. 204 Africa in the International Setting in the 20th Century

### **Level 300**

- HIST. 302 Ghana in the 19th and 20th Centuries  
HIST. 308 History of Africa, 1500-1800  
HIST. 309 History of Europe, 1789-1914  
HIST. 312 Economic History of West Africa, 1890-1960  
HIST. 314 The History of Western Medicine in Ghana

### **Level 400**

- HIST. 402 Modern Trends in Intellectual History  
HIST. 408 Colonial Rule and African Response; Nationalism and Independence  
HIST. 418 Aspects of World History Since 1945  
HIST. 492 Fante States in the 18th Century

## **Research**

The Department of History and the Institute of African Studies, Legon, in co-operation with the University of Trondheim, Norway continued with their Research Project on 'The Asafo Companies in Ghana.'

## **Individual Research**

### **Fynn, J.K.**

- The Fantes of Ghana.

### **Perbi, Akosua**

- Slavery and the slave trade; Women in History.

### **Brukum, J.K.**

- Social and Economic Change in Northern Ghana Under British Colonial Rule; Chieftaincy and ethnic conflicts in Northern Ghana.

### **Baku, D.E.K.**

- Legal and constitutional history of Ghana, legal and constitutional status of chiefs in colonial and post-colonial Ghana; Intellectual resistance to colonialism; Human rights and the administration of justice in the early period of Ghana's independence.



### **Korsah, E.S.A.**

- The Press and Society in Ghana.

### **Nti, K.**

- Assault on the chieftaincy institution by the modern state structure.

### **Gundona, S.**

- Medical History of Northern Ghana.

### **Publications**

#### **Perbi, Akosua**

- "Researching the Historical Background of Cultural Issues," *Journal of African Christian Thought*, Vol.2, No.2 Dec 1999, 29-34).
- Wrote a foreword to the book *The Slaver Fredensborg and the 18th Century Danish-Norwegian Slave-Trade*, co-published by Ian Randle, Kingston, Jamaica, Indiana Univ. Press, Bloomington, U.S.A. & Sub-Saharan Publishers, Accra, Ghana, 2000.
- "Early Slavery and the Slave Trade in the Gold Coast." Publication given to the UNESCO Commission on the Slave Route Project. Submitted in April 2001 (forthcoming).
- "Women in Africa," a Chapter in a Gender Textbook, to be published by Manchester College, North Manchester, Indiana, U.S.A. Submitted in June 2001.
- "The Acquisition of female slaves in pre-colonial Ghana: labour or love?" *Legon Journal of Humanities*, Vol. 13, 2002.
- "Merchants, Middlemen and Monarchs: Dutch and Ghanaians in the Atlantic Slave Trade." (A Chapter in the book, *Merchants, Missionaries and Migrants, 300 years of Dutch-Ghanaian Relations*, 33-40. Ed. I. Van Kessel, published by KIT Amsterdam, Netherlands and Sub-Saharan Publishers, Accra, Ghana, 2002.)
- "Slavery and Ghana's Pre-Colonial Social Structure," (*Slavery Across Time and Space - Studies in Medieval Europe and Africa*, 159-172. Eds. Per Hernaes and Tore Iverson, published by the Dept. of History, Norwegian University of Science and Technology, Trondheim, Norway 2002).
- *A History of Indigenous Slavery in Ghana from the 15th to the 19th Centuries*. (Book manuscript with Sub-Saharan Publishers, Accra, Ghana).
- Book Review on *I will not eat stone* by J. Allman and V. Tashan, in *Journal of African History* Vol. 43: 2, 2002, 335-336.

#### **Brukum, N.J.K.**

- 'Ethnic conflicts in Northern Ghana, 1980-1999: an appraisal,' THSG, Vol. 4, 2001.

**Baku, D.E.K.**

- 'The 2000 Elections and Politics in Manhyia and Obuasi Constituencies,' in Joseph R.A. Ayee, (Ed.) *Deepening Democracy in Ghana, Politics of the 2000 Elections*, Accra, Freedom Publications, 2001.

**Nti, K.**

- Action and reaction: an African overview of the ding dong relation between the colonial government and the people of Cape Coast,' *Nordic Journal of African Studies*, Vol. II, No. 1, 2002, pp. 37.

**Conferences/Seminars/Workshops****Perbi, Akosua**

- "Ghana and the Dutch in the making of the Atlantic World from the 16th to the 19th Centuries." Paper presented on 7th November 2001 in the Hague, Netherlands, at the Conference on 300 years of Dutch-Ghanaian Relations.
- Meeting at the Institute of African Studies, Chalets, Legon, Accra, Ghana on 20th December 2001 aimed at reviving the Historical Society of Ghana.
- Historical Society Meeting at the Institute of African Studies Chalets, Legon, on 26th January 2002.
- "Oral tradition and the Study of Slavery in Ghana". Paper presented to the Ghana Academy of Arts and Sciences, Symposium on Oral Tradition at the Institute of African Studies Chalets, Legon on 30th January 2002.
- "Lessons from History –The Great Empires and Kingdoms of Africa: The Case of Asante." Paper presented at the Unilever Workshop for Managers held at Elmina, Ghana, on 6th February 2002.
- "Ghana and the Slave Trade." Lecture delivered to School for International Training students from the U.S.A on 27th Feb 2002 at the Department of Linguistics, University of Ghana, Legon.
- "Ghana and the Slave Trade." Lecture given to students from Central Michigan University U.S.A on 16th May 2002 at the Regency Coconut Grove Hotel, Accra, Ghana.
- "Pre-colonial Civilization and the Slave Trade – An African Perspective". Lecture given to Duke Univ. Students from the U.S.A on 22nd May 2002 at the Chemistry Department Lecture Hall, University of Ghana, Legon.
- "Africa and the Making of the Modern World – The Slave Trade Connection". Lecture given on 23rd May 2002 to students from Drew University, Madison, New Jersey, U.S.A at the Penwood Hotel, Accra, Ghana.
- Participated in the symposium on Akan Language at the Institute of African Studies, Legon on 29th May 2002. The topic was " Onipa ne Hwan?" The Akan Concept of the Nature, Role and Status of the Human Being.
- "The Slave Trade and the Coastal Forts of Ghana." Lecture given to students from the University of Memphis, U.S.A., on 10th June 2002 at the Institute of African Studies Chalets, Legon.
- "The Slave Trade: An African Perspective." Lecture delivered to students from the James Madison University, U.S.A on 14th June 2002 at the

Language Centre, Legon.

- "The Culture of Ghana." Lecture delivered to University of Georgia and Georgia High Students and some members of Faculty from U.S.A at the K.A.B Jones Quartey Lecture Theatre, University of Ghana, Legon on 24th June 2002.
- "Ghana and the Slave Trade". Lecture given to Savanna State University students from the U.S.A on 16th July 2002 at the History Department, Legon.
- "The Culture of Ghana;" "Ghana and the Slave Trade." Two lectures given to students from Brocklyn College – Cuny, New York, USA on 24th July 2002 at the History Department, Legon.
- Participated in the Historical Society of Ghana Annual Conference at the Institute of African Studies Chalets, Legon, from 25th to 28th July 2002. The theme was "History, Our Heritage and National development."
- "The Culture of Ghana." Lecture given to students and some Faculty from Carroll University, USA, on 29th July 2002 at the Volta Hall, University of Ghana, Legon.
- "Ghana and the Slave Trade." Lecture given to students and some Faculty from Carroll University, USA, on 31st July 2002 at the Volta Hall, University of Ghana, Legon.

#### **Brukum, J.K.**

- Meeting of Historians in the Universities in Ghana under the auspices of Department of History/IAS, 25th – 29th January, 2002.
- 'A Brief History of Ghana,' a lecture delivered to students from Ohio State University, 26th June 2002.
- 'Trans African Slave Trade and its Impact on African Development,' paper presented to visiting Fulbright Hays Scholars from Universities in Pennsylvania, 25th July 2002.
- Conference of the Historical Society of Ghana, University of Ghana, Legon, from 25th – 28th July 2002.
- 'Historical connections between Africa and Mississippi,' a lecture delivered to Scholars from Mississippi State University, 3rd August 2002.

#### **Baku, D.E.K.**

- "An historical analysis of legislation affecting the status and authority of chiefs in colonial Ghana," 1844-1927, Paper presented to the Workshop organized for Paramount Chiefs in the Greater Accra Region by the Chieftaincy, Governance and Development Project, Institute of African Studies, Legon, July 2002.
- "Who owns Ga-Dangbe Lands?: Land litigation in the Accra Region," paper presented to the Workshop organized for Paramount Chiefs in the Greater Accra Region by the Chieftaincy, Governance and Development Project, Institute of African Studies, Legon, July 2002.
- "The "Freedom and Justice" in Kwame Nkrumah's Ghana: The Judiciary and the Preventive Act of 1958," paper presented to the Historical Society of

Ghana, July 2002.

- "Paramountcies and the Politics of amalgamation in colonial Ghana: the case of Transvolta Togoland," paper presented to the Workshop organized for Paramount Chiefs in the Volta Region by the Chieftaincy, Governance and Development Project, Institute of African Studies, Legon, October 2002.
- "Documentation and recordkeeping as tools for development", paper presented to the Workshop organized for Paramount Chiefs in the Western Region by the Chieftaincy, Governance and Development Project, Institute of African Studies, Legon, October 2002.
- "Chieftaincy in Ghana in historical perspective," paper presented to the Workshop organized for Paramount Chiefs in the Eastern Region by the Chieftaincy Governance and Development Project, Institute of African Studies, Legon, November 2002.
- Conference of the Historical Society of Ghana, University of Ghana, Legon, from 25th – 28th July, 2002.
- 45th Annual Meeting of the African Studies Association of the United States of America at Washington D.C., December 2002.

#### **Korsah, E.S.A.**

- Conference of the Historical Society of Ghana, University of Ghana, Legon, from 25th – 28th July, 2002.

#### **Nti, K.**

- Meeting of Historians in the Universities in Ghana under the auspices of History Department/IAS, 25-29th January 2002.
- Capacity-building Workshop for Ga-Dangbe chiefs under 'Chieftaincy, Governance and Development Project,' IAS, 2nd –6th July 2002.
- Conference of the Historical Society of Ghana, University of Ghana, Legon, from 25th – 28th July, 2002.

#### **Gundona, S.**

- Conference of the Historical Society of Ghana, University of Ghana, Legon, from 25th – 28th July 2002.

#### **Extension Activities**

##### **Perbi, Akosua**

- Fulbright-Scholar-in-Residence, Manchester College, North Manchester, Indiana, U.S.A., August 2000-July 2001. First Semester, drew up "Women in Africa" syllabus and taught the course. Second Semester, drew up a syllabus and taught "Slavery: Critical Connections." Delivered a total of fifty-six (56) public lectures and papers during the Sabbatical Leave, twenty-four (24) of which were delivered in the U.S.A. in states such as Indiana, California, New York, Illinois and Michigan.
- Interviewed on 7th November 2001 in the Hague, Holland by Radio Netherlands on the topic "The Slave Trade."

- Interviewed by Arthur & Thomas on 23rd April 2002 in the History Department, Legon, in connection with the Slave Route Project.
- Interviewed by Dheera Sujana, a journalist with Radio Netherlands, Holland, in May 2002 at the Institute of African Studies, Legon, on the topic "The Slave Trade."
- Examined the Thesis of a Master of Theology Degree in African Christianity student as an External Examiner from December 2001 – March 2002, for the University of Natal, Pietermaritzburg, South Africa. The title of the Thesis was "A Comparative and Theological Evaluation of Missions: Christianity and African Culture in the 19th Century Akanland and Yorubaland of West Africa."
- Supervised the Project Work of four students from North Carolina, USA, on a "Study Abroad" programme in Ghana and based in the Department of Geography and Resource Development from June to July 2002. Their topic was "The Slave Trade in Ghana."
- Interviewed by Leyla Assaf-Tengroth from Denmark, a film director of Cadmos Film on 5th December 2002 at No. 20 Lower Hill, Legon on "The Slave Trade and its impact in the past and present."

## **DEPARTMENT OF INFORMATION STUDIES**

### **Overview**

Following the change in name of the Department to Information Studies and the initiatives to strengthen the curriculum to reflect the substance of this change, there has been considerable public interest in the Department. Correspondingly, there has been increases in student intake. Our goal has been to prepare our students for the emerging order and the information challenges facing new nations. Infrastructural difficulties and a weak staff strength continue, however, to pose a major challenge.

In our knowledge-based world, these initiatives must be encouraged and sustained. There is some amount of urgency as time and speed are now critical elements in ensuring competitive advantage and it is our expectation that our concerns are addressed.

In the year under review, Dr. Ellis Badu handed over to Dr. Pino Akotia as Head of Department. While two new lecturers joined the academic staff we lost a colleague and friend, Mr. S.K. Agyei. Professor A. Alemna has been on "loan" to Balme Library and has been appointed University Librarian. The Information Studies Students Association continues to play an active role in the life of the Department.

### **Teaching Programmes**

Courses offered at the undergraduate and graduate levels include:

#### **Diploma I: Archives Administration**

INFS 005

Preservation of Documentary/Materials

INFS 009	-	Introduction to Records Management
INFS 011	-	Introduction to Archives Administration
INFS 013	-	Africa Since 1500
INFS 024	-	Research Methods
INFS 006	-	Introduction to Information Science
INFS 008	-	Reprographics
INFS 012	-	Organisation of Records and Information
INFS 014	-	Acquisition & Processing of Archival Materials
INFS 022	-	Rural Information Services

### **Diploma I: Librarianship**

INFS 001	-	Introduction to Librarianship
INFS 003	-	Organisation and Library Routines
INFS 006	-	Preservation of Documentary Materials
INFS 007	-	Collection Development
INFS 024	-	Research Methods

INFS 002	-	Information Sources
INFS 004	-	Cataloguing
INFS 006	-	Introduction to Information Science
INFS 008	-	Reprographics
INFS 022	-	Rural Information Services

### **Diploma II: Archives Administration**

INFS 049	-	Records Storage and Retrieval
INFS 051	-	Reference Services in Archives
INFS 053	-	Evolution of Machinery of Government
INFS 057	-	Disaster Planning & Vital Records Protection
INFS 063	-	Public Relations

INFS 042	-	Information Technology
INFS 048	-	Disposition Practices
INFS 052	-	Functioning of Machinery of Government
INFS 055	-	Independent Study
INFS 056	-	Automation in Information Systems

### **Diploma II: Librarianship**

INFS 041	-	Library in Society
INFS 043	-	Reference and Information Work
INFS 045	-	Theory of Knowledge and Classification
INFS 057	-	Disaster Planning & Vital Records Protection
INFS 063	-	Public Relations

INFS 042	-	Information Technology
INFS 046	-	Indexing and Abstracting

- INFS 047 - Field Work
- INFS 056 - Automation in Information Systems
- INFS 058 - Public & National Libraries

**Level 100**

- INFS 101 - Information in Society
- INFS 102 - Introduction to Information Management

**Level 200**

- INFS 201 - Introduction to Information Technology
- INFS 203 - Information Management
  
- INFS 202 - Principles of Management
- INFS 204 - Introduction to Computing

**Level 300**

**Core**

- INFS 301 - Information Sources
- INFS 303 - Research Methods
- INFS 305 - Public Relations

**Electives**

- INFS 307 - Information Services and User Studies
- INFS 309 - Database Management Systems
- INFS 311 - Records Management
  
- INFS 302 - Theory and Practice of Classification
- INFS 304 - Indexing and Abstracting
- INFS 306 - Collection Development
- INFS 308 - System Analysis and Design
- INFS 310 - Introduction to Archives Administration

**Level 400**

**Core**

- INFS 400 - Long Essay
- INFS 401 - Automation of Information Systems
- INFS 402 - Information Storage and Retrieval
- INFS 403 - Preservation of Information Resources
- INFS 404 - Marketing of Information Services

**Electives**

- INFS 407 - Automated Information Retrieval
- INFS 408 - Telecommunication and Information Network
- INFS 409 - Programming of Information Systems Application
- INFS 411 - Literature and Services for Children

### **M.A.: Archival Studies**

INFS 601	-	Research Methods
INFS 607	-	Information Retrieval Systems
INFS 611	-	Management of Active Records
INFS 613	-	Administrative History
INFS 615	-	Theory & Principles of Archives Administration
INFS 617	-	Information Technology
INFS 604	-	Management Science
INFS 606	-	Computers and Information
INFS 610	-	Preservation Management
INFS 612	-	User Services in Archives
INFS 614	-	Management of Inactive Records
INFS 628	-	Audio-Visual Resources
INFS 638	-	Seminar

### **M.A.: Library Studies**

INFS 601	-	Research Methods
INFS 603	-	Cataloguing
INFS 605	-	Collection Development
INFS 607	-	Information Retrieval Systems
INFS 609	-	Information Sources and Systems
INFS 617	-	Information Technology
INFS 602	-	Classification
INFS 604	-	Management Science
INFS 606	-	Computers and Information
INFS 608	-	Reference and Information Services
INFS 610	-	Preservation Management
INFS 628	-	Audio-Visual Resources
INFS 638	-	Seminar

### **Student Numbers**

The student numbers increased from 782 in the previous year to 1272, an increase of 62.7 percent. These increases reflect positively on the popularity of our programmes. At the same time, however, facilities such as the computer laboratories and library have been put under enormous strain.

If we are to meet the goal of preparing our products to compete effectively in the new information society, then this contradictions must be addressed immediately.

A breakdown of enrolment for the courses is as follows:

### **Graduate**

PhD	-	Library/Archival Studies	-	2
M.Phil	-	Library Studies	-	3
MA	-	Library Studies	-	15
MA	-	Archival Studies	-	9



## Undergraduate

BA	-	Information Studies	-	
Level	-	100	-	432
Level	-	200	-	349
Level	-	300	-	207
Level	-	400	-	70
Diploma in Librarianship				
Part I	-	50		
Part II	-	54		
Diploma in Archives Administration				
Part I	-	41		
Part II	-	40		
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Total		1,272		
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## Staff

The staff strength stands at nine full-time and seven part-time lecturers. There is one teaching assistant and six senior and junior staff.

### Academic Staff (Full-Time)

1. Dr. Pino Akotia - Senior Lecturer and Head of Department
2. Dr. E.E. Badu - Senior Lecturer
3. Mr. H. Akussah - Senior Lecturer
4. Mr. G.D. Asiagodo - Senior Lecturer (Post Retirement Contract)
5. Mr. S.N.B. Tackie - Lecturer
6. Mrs. Gifty Adika - Lecturer
7. Dr. E. Adjei - Lecturer
8. Mr. M. Adams - Lecturer
9. Mrs. Evelyn Markwei - Lecturer

### Academic Staff (Part-Time)

1. Prof. A. Alemna - Professor
2. Prof. C. Kisiedu - Associate Professor
3. Prof. C. Adoadjji - Associate Professor
4. Mrs. M.I.S. Boye - Senior Lecturer
5. Ms. G. Boakye - Lecturer
6. Mr. Joel Sam - Lecturer
7. Mr. G. Adzadi - Lecturer

## Visitors

The Department received two prominent visitors: the Honourable Minister of Information and Presidential Affairs, Mr. Jake Obetsebi Lamptey and the Director-General of the Ghana Broadcasting Corporation, Mrs. Eva Lokko.

## **Publications**

### **Akussah, H.**

- Preserving Electronic Records in Ghana: Implications for National Heritage” Accepted for publication in *Ghana Library Journal*, Vol.14, 2002.

### **Akussah, H. with Fosu,**

- “Disaster Management in Academic Libraries in Ghana” In *The African Journal of Library, Archives and Information Science*. Vol. 11, No.1, April 2001, pp.1-16.
- “Disaster Awareness, Prevention, Preparedness and Recovery in Special Libraries in Ghana” Accepted for publication in the *Journal of Library and Information Sciences in Africa*, Vol.2, No.1, 2002.

### **Badu E.E.**

- (2002) “Team Management and University Libraries in Ghana: The Influence of Culture”. *Library Management* (23)6/7, pp.287-294.
- (2001) “Organisational Commitment in University Libraries in Ghana” *Journal of Librarianship and Information Science in Africa*, pp2-14.
- (2002) “Social and Technological Issues Affecting Strategic Planning in University Libraries in Ghana”. *Information Development* 18(1), pp.19-27.
- (2002) “An Assessment of the Staffing Structures of University Libraries in Ghana.” *Library Review* 52(1) pp.90-99.

## **Conferences/Seminars/Workshops**

### **Akotia, P.**

- Presented a paper on “Training and Capacity Building in Electronic Records Management” at the Round-Table Conference organised by the International Records Management Trust and the National Governance Programme in Banjul, The Gambia, 18-19 September 2001. The theme of the Round-Table was “Making the Transition to the Electronic Age”
- September-October 2001: Banjul, The Gambia, consulting assignment under British aid arrangements to advise the Government of The Gambia, on improved financial records/information management systems.
- September 2002: Johannesburg, South Africa Participant at a World Bank/ International Records Management Trust Global Forum on Evidence-Based Governance in an Electronic Age. The Forum lay the foundation for addressing electronic record keeping issues for good governance.

### **Akotia, P. with Akussah, H.**

- (2001), Under PUFMARP assignment: “Information Management Manual for Public Financial Management in Ghana.”

### **Adika, Gifty**

- Participant, Workshop on Library and Research Services to Parliament in

West Africa. Workshop to evolve strategies for meeting information needs of members of the Ghana National Parliament. The theme was "The Role of Parliament in Relation to NEPAD, Sustainable Development and HIV/AIDS", Accra, Ghana., 30 September – 2 October, 2002.

**Tackie, S.N.B.**

- Participant, Ghana Library Board Association Congress on 21st November, 2001 at GNAT Hall, Accra.
- Resource Person, Ghana Library Board/Ghana Education Service in-Service-Training programme for Schools and College Library Assistants held from 11th August to 6th September 2002 at YWCA, Accra.
- Resource Person, Ghana Book Trust/Ghana Education Service Workshop on Library Management for Primary and JSS teachers drawn from, Bosumtwi/Atwima/Kwawuma (BAK) and Sekyere East districts in the Ashanti Region held 9th–13th September, 2002 at the Ramseyer Vocational Institute, Chirapatre, Kumasi.
- Resource Person, Ghana Library Board/Ghana Education Service for Tutor Librarians held on 20th September, 2002 at YWCA, Accra.

**DEPARTMENT OF NURSING**

**Overview**

The Department has continued to offer courses at both undergraduate and graduate levels. The number of students seeking admission to pursue Nursing at the undergraduate level continued to increased against the perennially dwindling academic staff and limited facilities.

In the year under review, a total of 243 students enrolled in the Department

The breakdown was as follows:

Level 200	-	104 Students
Level 300	-	76 Students
Level 400	-	51 Students
M'Phil (First Year)	-	6 students
M'Phil (Second Year)	-	6 Students
Total No. of Students	-	243 Students

**Staffing**

**Senior Members**

Miss Mary Opare	-	Lecturer (Ag. Head of Department)
Mrs. Faustina Oware-Gyekye	-	Lecturer
Miss Bernice Goka	-	Lecturer
Miss Ernestina Donkor	-	Lecturer (Study Leave)
Mrs. Patience Aniteye	-	Tutor

Miss Joanna Laryea	-	Senior Lecturer (Contract)
Prof. Ayodele Akiwumi	-	Associate Professor - Part-time
Mrs. Felicia Darkwah	-	Part-time

### Senior Staff

Mrs. Dorothy Donkoh	-	Principal Nurse Technician
Miss Gladys Adeyemoh	-	Principal Nurse Technician
Miss Patricia Avadu	-	Principal Nurse Technician
Miss Lydia Aziato	-	Senior Nurse Technician
Mrs. Efua Baiden	-	Senior Nurse Technician
Miss Vivian Darkwah	-	Senior Nurse Technician
Miss Adzo Tsahey	-	Senior Nurse Technician
Mrs. Susan Tetey	-	Senior Nurse Technician
Miss Alice Otu	-	Senior Library Assistant
Miss Regina Ankrah	-	Administrative Assistant
Mr. Ashalley Mensah	-	Asst. Transport Officer
Mr. Emmanuel Ashia	-	Asst. Transport Officer

### Junior Staff

Ruth Wiredu	-	Clerk Gd. II
Mildred Eyiah	-	Clerk Gd. II
Alhassan Imoru	-	Senior Typist
Bismark Ashitey Amaah	-	Driver Gd. I
Frank Kwaffo	-	Driver Gd. II
Mohammed Aliu	-	Driver Gd. II
Yaro Grunshie	-	Senior Gardener
Maxwell Bansah	-	Messenger/Cleaner
Emmanuel Folly	-	Cleaner
Rosemond Serwah	-	Jnr. Library Asst. Gd. III

### Research Activities

#### Opore, Mary

- Shortage of Nurses in Ghana. In progress
- Clinical Teaching of student Nurses- Preceptorship.
- History of Nursing in Ghana, 1925 - 1975. In progress

#### Aniteye, Patience

- Reasons, Methods and health outcomes of induced abortion: A study of women admitted to the Gynaecology Ward, Korle-Bu Teaching Hospital with abortion Complications (still in progress).

### Publications

#### Opore, Mary

- (2002) Setting the context for Preceptorship in Ghana: Reflections on a

project to Introduce preceptorship into peri-operative and critical care nursing programme. *West African Journal of Nursing*. 13 (1) 35 – 39.

**Mill, J and Opore M.**

- (2002) "We need to know: Ghanaian Student Nurses' Knowledge and Attitudes toward AIDS patients" In press. *AIDS Education and Prevention*.

**Opore, M and O'Brien B.**

- (2002) Qualitative Research in a Quantitative Environment. In press. *Western Journal of Nursing Research*.

**Oware-Gyekye, Faustina**

- Knowledge of Reproductive Health issues among Second Cycle Institutions in the Greater Accra Metropolitan Area (GAMA) Ghana. *African Journal of Nursing and Midwifery* (presented for publication).
- Management Manual by National Health Learning Materials Centre – A contributor.
- (Editing) Ward Management Manual by National Health Learning Materials Centre.

**Aniteye, Patience, Obed, S.A., Nkyerkyer, K., Sackey, A.,**

**Aniteye, P. and Klufio, C. A.**

- (2000) A descriptive Clinical Survey of 228 perinatal deaths at Korle-Bu Teaching Hospital. *Ghana Medical Journal* 34 (4) 188-192

**Seminars/Conferences/Worshops Attended**

**Opore, Mary**

- Curriculum Review Workshop by the Department of Nursing, University of Ghana, Legon. October, 2001.
- Update on Current Issues, Department of Nursing, University of Ghana, Legon, December, 2001.
- Socio-cultural dimensions of reproductive health and human development by Institute of African Studies and the School of Public Health, University of Ghana, Legon, 27th -29th June, 2002.
- Training of Trainers of preceptors, Department of Nursing, University of Ghana, Legon. July, 2002
- Sigma Theta Tau – Swaziland. August, 2002.

**Oware-Gyekye, Faustina**

- Presentation - Young people and HIV infection/AIDS in Ghana Faculty of Nursing, University of Alberta, Edmonton (June, 2002)
- Facilitator - Update on current nursing issues, Department of Nursing, December 2001
- Training of Trainers for preceptorship, Department of Nursing, July, 2002.
- Attendance - Research Methodology workshop, International Institute for

qualitative methodology, University of Alberta, Canada, 14th June, 2002.

- Review of draft lay counselling manual on Adolescent Health by Reproductive & Child Health, 26th – 30th August, 2002.

### **Aniteye, Patience**

- Curriculum Review Workshop by The Department of Nursing, University of Ghana, Legon. October, 2001.
- Methodology workshop by Ghana Prevention of Maternal Mortality (GPMM) Team for six (6) DHMTS in Ashanti, Northern and Upper East Region, to help them to reduce maternal deaths. 28th January – 1st February 2002.
- Socio-cultural dimensions of reproductive health and human development by Institute of African Studies and the School of Public Health, University of Ghana, Legon, 27th –29th June, 2002.

### **Other Events**

- Mrs. Patience Aniteye was employed as a tutor for the Department
- Mrs. Oware-Gyekye visited University of Alberta, Canada for six weeks to meet the Canadian Colleague in relation to students' thesis supervision. She also attended few health facilities as well as seminars and also made a presentation at a workshop on Research Methodology organized by International Institute for Quality Methodology.
- Six M'Phil students were sponsored by the Ministry of Health (MOH), Ghana for six-week educational visit to University of Alberta, Canada. The M'Phil programme was subjected to Mid-Term Evaluation. Two external evaluators: Ms. Jane Knight from Ottawa, Canada and Mr. Hussein Said Ghana, were hired by the Project Directors for the task. Reports were positive. The Project had strength and exhibited indices for sustainability.

A proposal to become a school in the College of Health Sciences received the needed attention.

### **Visitors**

Lecturers from Faculty of Nursing, University of Alberta, Canada were in the Department. They were: Professors Marion Allen Pamela Brink, Judith Hibberd, Caroline Ross, Patricia Valentine, Beverly O'Brien, Lillian Douglas, and Vicki Strang.

Prof. Jane Knight was in the department as a Mid-Term Evaluator. Five undergraduate students from the University of Alberta, Canada, were in Ghana for a 10-week field experience in international health. One of them became seriously ill and was air lifted to a *location of excellent in the U.K.* She has recovered and gone back home in Canada

### **Donations**

The Faculty of Nursing, University of Alberta, Canada, donated assorted books to the Department. Prof. Pamela Brink also donated Research books to the Department.

## DEPARTMENT OF POLITICAL SCIENCE

### Overview

As in the previous years, the Department continued to be one of the largest in the University. The student population for the year under review stood at 2,597. This constituted the biggest student population in any one Department. Under the circumstances the Department continued to cope with the ever-increasing student intake amidst the already well-known perennial problems of inadequate infrastructure and logistics, and an overworked staff (both academic and administrative). That after forty years of establishment, and considering its enormous contributions to society over the years the Department is still housed in temporary structures erected for about fifty (50) students is not something that one should write home about. The academic staff quota is woefully inadequate given the current student intake. The academic staff strength hovered around one dozen. Senior members do twice as much work. The administrative staff became usually overburdened, and found themselves choked in a limited office space. A temporary librarian was appointed to the library, but the work involves the expertise of a more trained and qualified librarian. There is the urgent need for a more appropriate and congenial environment for the Department.

The Department, however, is a very productive one by way of promotion of research and publication.

### Courses

The Department offered 43 undergraduate and 18 graduate courses. The breakdown is as follows:

#### Undergraduate Courses

##### Semester 1

- POLI101 – Introduction to the Study of Political Science (I)
- POLI201 – Elements of Political Science
- POLI203 – Political Institutions
- POLI301 – Ancient and Medieval Political Thought
- POLI303 – Introduction to the Theory and Practice of Political Research
- POLI305 – Government and Politics in Ghana since Independence (I)
- POLI307 – Introduction to Public Administration
- POLI313 – Nature, Growth and Role of International Organizations
- POLI315 – Organization Theory
- POLI323 – Conflicts in African States
- POLI400 – Independent Study
- POLI401 – The Contractualists
- POLI403 – Statistics for Political Research
- POLI405 – Politics of International Economic Relations
- POLI407 – Government and Politics in Ghana since Independence (II)
- POLI409 – Comparative Public Administration

POLI411 – Politics and Development  
POLI413 – Political Thought in the Black Diaspora  
POLI415 – International Conflict & Conflict Resolution  
POLI419 – Politics in Developing Countries  
POLI421 – Foreign Policy Analysis  
POLI429 – Refugees and International Relations  
POLI431 – Refugees & International Relations

### **Semester 2**

POLI102 – Introduction to the Study of Political Science (II)  
POLI202 – Introduction to International Politics  
POLI204 – Introduction to the Study of Ghanaian Politics  
POLI302 – Modern Western Political Thought  
POLI304 – Public Administration in Ghana  
POLI306 – Africa and the Global System  
POLI308 – Methods of Political Research  
POLI312 – Development Administration in Ghana  
POLI314 – International Integration  
POLI318 – The Military in Ghanaian Politics  
POLI400 – Independent Study  
POLI402 – Social and Political Theory  
POLI404 – State and Society in Africa  
POLI406 – Regionalism and Ethnicity in Ghanaian Politics  
POLI408 – Ghana's Foreign Policy  
POLI412 – Local Government Administration in Ghana  
POLI418 – US Policy Towards Africa  
POLI426 – Issues in Comparative Politics  
POLI432 – Human Rights in Africa  
POLI434 – Public Enterprise

### **Graduate Courses**

#### **Semester 1**

POLI617 – General Methodology/Philosophy of the Social Sciences  
POLI603 – Patterns of Development Administration  
POLI605 – Development Planning in Ghana  
POLI623 – The Making of Foreign Policy  
POLI625 – Issues in International Politics  
POLI631 – Conflict Resolution and Peace Studies  
POLI635 – Issues in Comparative Politics and Development  
POLI641 – Problems of Government and Politics in Africa

#### **Semester 2**

POLI602 – Survey Methods in Social Sciences  
POLI604 – Public Policy Analysis  
POLI614 – Industrial Relations



- POLI624 – Issues of Public Administration
- POLI626 – Theory and International Politics
- POLI636 – International Organization
- POLI634 – The Foreign Policy of Ghana
- POLI642 – Strategies of Development in Africa
- POLI654 – Democracy and Governance in Africa
- POLI656 – Human Rights in Africa

### Student Numbers

The student numbers have increased from 2401 in the previous year to 2597 as indicated below. This constituted the biggest student population in any single Department in the University.

#### Undergraduate

Level 100	941
Level 200	789
Level 300	491
Level 400	295
International Students	60
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Total	2576

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#### Graduate

M.Phil. 1	11
M.Phil. 2	5
Ph.D.	5
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Total	21

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### Staff

The staff strength stood at sixteen in the first semester, and fifteen in the second semester. Prof. John James Quinn, Associate Professor of Political Science in the Truman State University, was appointed as Visiting Professor and attached to the Department. Prof. Quinn was an accompanying faculty of Missouri 2001 group of visiting foreign students. He taught a course in the first semester. Prof. Joseph Ayee returned from his one-year sabbatical leave in the second semester. Professor Mike Oquaye, formerly Head of Department, was granted two years leave on a National Service as Ghana's High Commissioner to the Republic of India. Professor Kwame Boafo-Arthur was appointed substantive Head of the Department.

Professor Ayee contested for the position of the Dean of the Faculty of Social Studies and won. He was appointed Dean of the Faculty for a term of 3 years in the first instance. Mr. Stevens Ahiawodor was appointed Senior Tutor of Akuafu Hall.

Professor S.K.B. Asante continued to be engaged to teach on part-time basis.

The staffing position for the 2001/2002 academic year was as follow:

### **Teaching and Research**

1. Prof. Joseph R.A. Ayee	-	Professor
2. Prof. Kwame A. Ninsin	-	Professor (On contract)
3. Prof. Kwame Borafo-Arthur	-	Associate Professor & Head of Dept.
4. Prof. Mike Oquaye	-	Associate Professor (Leave of absence)
5. Prof. E. Gyimah-Boadi	-	Associate Professor
6. Mr. F.K. Drah	-	Senior Lecturer (On contract)
7. Mr. Kwesi Jonah	-	Senior Lecturer
8. Dr. Kumi Ansah-Koi	-	Senior Lecturer
9. Dr. A. Essuman-Johnson	-	Senior Lecturer
10. Dr. Amos Anyimadu	-	Lecturer
11. Mr. Stevens K. Ahiawordor	-	Lecturer
12. Ms. Beatrix Allah-Mensah	-	Lecturer
13. Dr. Dan McKwartin	-	Lecturer
14. Mr. Emmanuel Debrah	-	Lecturer
15. Mr. Alexander K.D. Frempong	-	Lecturer
16. Dr. Nicholas Amponsah	-	Lecturer
17. Prof. John J. Quinn	-	Associate Professor (Visiting Professor)
18. Mr. Felix K.G. Anebo	-	Lecturer (On study leave)

### **Administrative/Clerical Staff**

1. Mr. Godfried K. Mantey	-	Chief Administrative Assistant
2. Mr. Daniel Nii Noi	-	Clerk Grade II
3. Ms. Catherine Alhassan	-	Typist Grade II
4. Mr. Joseph Vico-Korda	-	Temporary Library Assistant
5. Mr. Redeemer Agbeti	-	Messenger/Cleaner
6. Mr. Isaac Koda Plange	-	Temporary Messenger/Cleaner

### **Research**

The Department's research in "Ghana's Election 2000 Project", which was sponsored by DANIDA, yielded the publication of two volumes of the book *Deepening Democracy in Ghana: Politics of the 2000 Elections*. These were launched at the British Council Hall on February 12, 2002. The Department also commenced a research into the 2002 Local Government and District Assembly Elections, under the auspices of IBIS, a subsidiary of DANIDA.

Individual staff research activities covered areas such as governance, human rights, elections, the military in politics, civil society, decentralization, conflict, foreign policy, corruption, gender, the environment, leadership styles in Ghana and other African countries, the role of NGOs in fostering good governance and development at the local level in Africa, institutional reforms and policy outcomes, state capacity, co-production of services between state and non-state actors, taxation in the

informal sector, and reforming the African public services.

### **Benefactors**

The Department is grateful to, and appreciates the support of, DANIDA for funding the publication of the book on "Ghana's Election 2000 Project". It also appreciates with gratitude the assistance of IBIS for the Department's research into the 2002 Local Government and District Assembly Elections.

### **Publications**

#### **Ayee, J.R.A.**

- Leadership in Contemporary Africa: An Exploratory Study, Occasional Papers, Academic Series, No. 3 (United Nations University Leadership Academy: Amman, Jordan, December 2001), ISBN 3210-0968-0-6, Deposit No. 2297/11/2001, 140pp.
- "Introduction", in Joseph R.A. Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Thematic Studies (Vol. 1) (Freedom Publications: Accra, 2001), ISBN 9988-7716-3-0, Chapter 1, pp. 1-9.
- "The December 2000 Elections and Presidential Run-off in Ghana", in Joseph R.A. Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Thematic Studies (Vol. 1) (Freedom Publications: Accra, 2001), Chapter 3, pp. 23-55.
- "Introduction", in Joseph R.A. Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Constituency Studies (Vol. 2) (Freedom Publications: Accra, 2001), ISBN 9988-7716-4-9, Chapter 1, pp. 1-11.
- "Survey of the 2000 General Elections and Presidential Run-off in the Keta and Anlo Constituencies", in Joseph R.A. Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Constituency Studies (Vol. 2) (Freedom Publications: Accra, 2001), Chapter 3, pp. 34-66.
- "Conclusions: The Future of Democratic Consolidation in Ghana", in Joseph R.A. Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Constituency Studies (Vol. 2) (Freedom Publications: Accra, 2001), Chapter 23, pp. 433-438.
- "Civil Service Reform in Ghana: A Case Study of Contemporary Problems in Reform in Africa", African Journal of Political Science, ISSN 1027 0353 (Vol. 6, No. 1 2001), pp. 1- 41.
- "Corruption and the Future of the Public Service in Africa", *Verfassung Und Recht in Ubersee*, (Law and Politics in Africa, Asia and Latin America), University of Hamburg, ISSN 0506-7286, (Vol. Vol. 35, No. 1, 2002), pp. 6-22.
- "The 2000 General Elections and Presidential Run-off in Ghana: A Post-Mortem", Democratization, ISSN 1351-0347 (Vol. 9, No. 2 (Summer) 2002), pp. 148-174.

#### **Ayee, J.R.A. with Anu Joshi**

- "Taxing for the State? Politics, Revenue and the Informal Sector in Ghana", Institute of Development Studies (IDS) Bulletin, ISSN 0265 5012 (Vol. 33,

No. 3, 2002), pp. 90-97.

- "The Role of Non-governmental Organizations (NGOs) in Fostering Good Governance and Development at the Local Level in Ghana", in United Nations Centre for Regional Development (UNCRD) The Role of Non-governmental Organizations (NGOs) in Fostering Good Governance and Development at the Local Level in Africa, UNCRD Research Report Series No. 41 ISBN: 4-906236-83-9 (Nairobi: UNCRD Africa Office, July 2002), pp. 35-48.

**Ninsin, K.A.**

- "Human Resource Development, International Migration and The Development of Africa" Report Prepared for the African Association of Political Science (AAPS) as part of the Regional and Strategic Studies Programme of the African Futures Network of the National Long-Term Perspectives Studies. August 20, 2002

**Boafo-Arthur, K.**

- "Chieftaincy and Politics in Ghana Since 1982", West African Review (Electronic) 2001, 3:1.
- "Election Monitoring and Observation in Ghana: Problems and Prospects", in Joseph Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Vol. One, Freedom Publications Ltd., Accra, 2001, pp.87-104.
- "Survey Patterns and Election Outcome in Mfantseman West and Cape Coast Constituencies", in Joseph Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Vol. Two, Freedom Publications Ltd: Accra, 2001, pp.146-164.

**Oquaye, M.**

- "Ghana's Election 2000: A Study of Political Behaviour in the Mampong and Effiduase-Asokore Constituencies", in Joseph Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Vol. Two, Freedom Publications Ltd., Accra, 2001, pp. 338-349.
- "The Liberian Crisis: Lessons for Intra-State Conflict Management and Prevention in Africa", Virginia, George Mason University, Working Paper No.19, June 2001.
- "Government and Politics in Contemporary Ghana, 1992-1999", Accra, Africa Governance Institute (AGI), 2001.

**Gyimah-Boadi, E.**

- "Democratizing Africa: Halting Progress, Outstanding Problems, and Serious Dilemmas", Accra: Universities of Ghana Press, 2001.
- "The December 2000 Elections and Prospects for Democratic Consolidation", in Joseph Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Vol. One, Freedom Publications Ltd., Accra, 2001, pp. 56-74.
- "Ayawaso West Wuogon and Kpone Katamanso Constituencies in the December 2000 Elections", in Joseph Ayee (ed.), Deepening Democracy in

Ghana: Politics of the 2000 Elections, Vol. Two, Freedom Publications Ltd., Accra, 2001, pp. 67-86

- "Financing Political Parties in Ghana", in Report of Conference on the Topic: Towards Sustainable Democratic Institutions in Southern Africa, International IDEA, 2001.

**Gyimah-Boadi, E. with Michael Bratton and Peter Lewis**

- "Constituencies for Reform in Ghana", Journal of Modern Africa Studies, Vol.39, No.2, 2001, pp.231-259.

**Drah, F.K.**

- "The 2000 Elections in Okaikoi North and South Constituencies", in Joseph Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Vol. Two, Freedom Publications Ltd., Accra, 2001, pp. 108-145.

**Jonah, K.**

- "The March 1999 Ablekuma Central By-Election in Ghana: What it Means for Ghana's Election 2000", in Joseph Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Vol. One, Freedom Publications Ltd., Accra, 2001, pp. 179-191.
- "Election 2000 in Ahanta West and Shama Constituencies and Democratic Consolidation in Ghana" in Joseph Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Vol. Two, Freedom Publications Ltd., Accra, 2001, pp. 87-107.

**Essuman-Johnson, A.**

- "Election 2000 Politics in Komenda-Edina-Eguafo-Abirem and Agona West Constituencies", in Joseph Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Vol. Two, Freedom Publications Ltd., Accra, 2001, pp. 257-272.

**Ahiawordor, S.K.M.**

- "Issues and Dilemmas in Ghana's 2000 Elections", in Joseph Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Vol. One, Freedom Publications Ltd., Accra, 2001, pp. 105-120.
- "Explaining Voter Behaviour in Ho Central and Ho East Constituencies of the Volta Region in Ghana's 2000 Elections" in Joseph Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Vol. Two, Freedom Publications Ltd., Accra, 2001, pp. 273-292.

**Allah-Mensah, Beatrix**

- "Political Parties, Gender and Representation: The Case of Ghana's Election 2000", in Joseph Ayee (ed.), Deepening Democracy in Ghana: Politics of the 2000 Elections, Vol. One, Freedom Publications Ltd., Accra, 2001, pp. 121-140.
- "The 2000 Elections in Ellembelle and Jomoro Constituencies" in Joseph

Ayee (ed.), *Deepening Democracy in Ghana: Politics of the 2000 Elections*, Vol. Two, Freedom Publications Ltd., Accra, 2001, pp. 196-216.

**McKwartin, D.**

- "The 2000 Elections in Choggu-Tishigu, Tolon and Kumbungu Constituencies", in Joseph Ayee (ed.), *Deepening Democracy in Ghana: Politics of the 2000 Elections*, Vol. Two, Freedom Publications Ltd., Accra, 2001, pp. 217-239.

**Debrah, E.**

- "Mechanisms for Ensuring Free and Fair 2000 General Elections in Ghana", in Joseph Ayee (ed.), *Deepening Democracy in Ghana: Politics of the 2000 Elections*, Vol. One, Freedom Publications Ltd., Accra, 2001, pp. 75-86.
- "Election 2000 and the Presidential Run-off in the Birim North and Yilo Krobo Constituencies" in Joseph Ayee (ed.), *Deepening Democracy in Ghana: Politics of the 2000 Elections*, Vol. Two, Freedom Publications Ltd., Accra, 2001, pp. 325-337.

**Frempong, A.K.D.**

- "Ghana's Election 2000: The Ethnic Undercurrents", in Joseph Ayee (ed.), *Deepening Democracy in Ghana: Politics of the 2000 Elections*, Vol. One, Freedom Publications Ltd., Accra, 2001, pp. 141-159.
- "A Comparative Analysis of Electoral Survey of Nkawkaw and Afram Plains South Constituencies in Ghana's Election 2000, in Joseph Ayee (ed.), *Deepening Democracy in Ghana: Politics of the 2000 Elections*, Vol. Two, Freedom Publications Ltd., Accra, 2001, pp. 350-377.

**Amponsah, N**

- "Ghana's Mixed Structural Adjustment Results: Explaining the Poor Private Sector Response", *Africa Today* Vol. 47, No.2, Spring 2000, pp. 8-34.
- "Adjustment Reforms in a Poor Business Environment: Why Poor Institutions Persist Under Ghana's Reforms", Kwadwo Konadu-Agyeman (ed.), *IMF and World Bank Sponsored Structural Adjustment Programs in Africa: Ghana's Experience, 1983-1999*, Aldershot: Ashgate, 2001, pp.371-390.

**Conferences/Seminars/Workshops**

**Ayee, J.R.A.**

- Workshop organized by United Nations Centre for Regional Development (Africa Office) in collaboration with the Ugandan Management Institute under the theme "The Role of NGOs in Fostering Good Governance and Development at the Local Level in Africa" held in Kampala, Uganda from 3-4 December 2001. Paper presented: "The Role of NGOs in Fostering Good Governance and Development at the Local Level in Ghana".
- 53rd Annual New Year School under the theme "Good Governance and Sustainable National Development" held at the University of Ghana, Legon

from December 28, 2001 – January 3, 2002. Participating Chairman for the Session. Paper presented: "Strategies for Poverty Reduction".

- Public Symposium organized by the Ethics Foundation (Ghana) under the theme "Political Parties and Internal Democracy in Ghana" held at the Teachers' Hall, Accra on 24 April 2002. Paper presented: "Political Parties and Internal Democracy in Ghana: The Problems and Prospects".
- Public Symposium as part of the Local Government Week organized by the Ministry of Local Government and Rural Development under the theme "Moving the Decentralization Process Further" held at the Osu Presbyterian Church Hall, Accra on 25 April 2002. Paper presented: "The Role of Traditional Authorities in the Decentralization Process".
- Ghana Academy of Arts and Sciences/Friedrich Ebert Foundation Public Forum on "Corruption and Development in Africa" held at the British Council Hall on 17-19 June 2002. Paper presented: "Political and Social Consequences of Corruption".
- National Association of Local Authorities of Ghana (NALAG) Regional Consultative Platforms on Good Governance and Decentralization under the theme "Enhancing Community Participation", held at Hotel Eredec, Koforidua on 5 July 2002. Paper presented: "Non-partisanship of the District Assemblies in a Partisan Environment".
- Ministry of Local Government and Rural Development and German Technical Cooperation (GTZ) PRA and PRODICAP Programme Re-Planning Workshop held at the Institute of Local Government Studies, Accra on 10 September –12 September 2002. Paper presented: "Salient Issues and Current Developments in Decentralization and Local Governance in Ghana".

#### **Ninsin, K.A.**

- "Arab-African Space in The Age of Globalization" conference organized by The World Centre for The Study and Research on The Green Book and The Arab Centre for Strategic Studies, Cairo, Egypt, May 27-29 2002. Paper Presented: "African State and Society in the Age of Neo-Imperialism: The Dialectics of Marginalization."
- Conference of the Historical Society of Ghana, African Studies Centre, University of Ghana, Legon, 2002. Paper Presented: "Kwame Nkrumah and the Politics of Identity."
- Workshop on The African Union Organized by the African Association of Political Science in Conjunction with The World Centre for The Study and Research on The Green Book, Tripoli, Libya, September 10-14, 2002. Paper Presented: "Political Economy of African Integration."

#### **Boafo-Arthur, K.**

- Panel member on "Parliamentarians for Global Action (PGA) Regional Seminar on Strengthening United Nations Peace Operations—International Parliamentary Input", held at Parliament House, Accra January 21-22, 2002.
- Workshop on "Environment, Conflict and Politics in Africa" April 12-15,

Cairo, Egypt. Paper Presented: "The Environment and Politics of Resource Rich Countries: The Case of Ghana".

- Workshop on "The Inventory of the Role of Regional Research Organisations in Africa", Abidjan 25-26 February 2002.
- Workshop on the "Sustainability of African Political Parties" organized by ISS/OSSREA, Addis Ababa, 6-10 May 2002. Paper presented: "Political Parties and Democratic Sustenance in Africa: The Case of Ghana, 1992-2000".
- Methodological Workshop on "The Inventory of the Role of Regional Research Organisations"; held from 25-26 February, 2002, Abidjan, Cote d'Ivoire.
- Workshop on "The Environment, Conflict and Politics in Africa, Cairo, April 12-15, 2002". Paper Presented: "The Environmental Politics of Resource Rich African States: The Case of Ghana".
- Review Workshop on "The Inventory of the Role of Regional Research Organisations in Africa, Addis Ababa, 22-23 August 2002". Paper Presented: "The Roles of CODESRIA and AAPS in Ghana and Sierra Leone".

### **Gyimah-Boadi, E.**

- First Pan African Capacity Building Forum, Bamako, Mali, October 22-24, 2001. Paper Presented: Lessons and Experience in Building of Capacity of Non State Actors (Civil Society) in Africa.
- Faculty Member of the Summer Institute on "Democracy and Diversity" of the New School University (USA) at the University of Cape Town, Cape Town South Africa, January 11-20, 2002.
- "Expert Group" Meeting on Measuring Good Governance, Democracy and Human Rights organized by Eurostat and DFID in Munich, Germany, January 21-23, 2002. Paper Presented: Towards the Establishment of a Network for Measuring Democracy and Good Governance.
- Lecture on "Democracy, Governance, and National Development" at the GIMPA Practitioner's Forum, February 13, 2002.
- Guest Speaker at Luncheon of the Rotary Club of Accra West (at Golden Tulip Hotel), March 20, 2002. Topic: Democracy in Ghana and Party Rivalry.
- Symposium on "Reconciliation Under the Present Democratic Dispensation: Prospects and Challenges", Ghana Law School, March 7, 2002. Paper Presented: Reconciliation in Ghana: Prospects and Challenges.
- Conference of Africa National Chapters of Transparency International, Accra, April 20, 2002. Paper Presented: Engendering the Political Will to Fight Corruption in Ghana.
- Participated in Maiden Meeting of Transitional Justice Alliance at the Harrison Conference Center, New York, April 25-27, 2002.
- The Les Aspin Center for Government West African Regional Seminar, Miklin Hotel, Accra, May 27, 2002. Paper Presented: Corruption and Governance Failures in Africa.
- Ghana Academy of Arts and Sciences/Friedrich Ebert Foundation Forum 2002, June 19, 2002. Paper Presented: Confronting Corruption in Ghana and Africa.



- Conference to Launch UNDP Human Development Report 2002 (Deepening Democracy in a Fragmented World), July 24, 2002. Presented a Review of the same Report.

**Frempong, A.K.D.**

- Resource Person: Ghana Armed Forces Command and Staff College (GAFSCS)/British Military Advisory and Training Team (BMATT) West African International Peace Support Operations Course in Ghana, May-June, 2002. Paper presented: "ECOWAS and Peace Support Operations".
- Participant: South African Institute of International Affairs (SIIA Conference on "African Conflict Prevention, Resolution and Governance", University of Pretoria, South Africa, 11-12 March 2002. Paper presented: "An Overview of the Peace Situation in Liberia and Sierra Leone".
- Rapporteur/Participant: African Security Dialogue and Research (ASDR) Conference on "Security Sector Reform and Democratisation in Africa: Comparative Perspectives", Accra, 27-28 February 2002.
- Rapporteur/Participant: African Security Dialogue and Research (ASDR & SIPRI Conference on "Defence Budgeting in Africa: The Process and Mechanism of Control", 25-26 February 2002.
- Rapporteur/Participant: African Security Dialogue and Research (ASDR) Roundtable on "Police and Policing", Accra, 20-22 August 2001.

## **DEPARTMENT OF PSYCHOLOGY**

**Overview**

The Department of Psychology which was established in 1967 continued to train hundreds of young men and women at both the undergraduate and postgraduate levels. Although the Department is housed in a very small structure, it is one of the biggest Departments in the University in terms of student numbers. Courses offered have a wide appeal to all categories of students admitted to various programmes. During the year under review, there was again an astronomical increase in student numbers which was however not matched with corresponding increase in staff strength. The Department was able to recruit only two lecturers – Dr. Abena Asantewaa and Mr. Samuel Atindanbila to the existing permanent staff of 10, some of whom were on sabbatical/study leave.

Owing to the precarious staffing situation, the Department could offer postgraduate programmes only in Clinical and Industrial & Organizational Psychology.

The Department continued to service numerous Departments in the University in spite of its limited staff strength. These included the Departments of Nursing, Home Science, Social Work, and the Prisons and Police Administration Units of the Department of Sociology.

In April 2002, the Department, in conjunction with the University of Ghana

Association of Psychology Students (UNIGAPS), celebrated the first ever "Psychology Week" which was widely publicized. Prof. C.E. Fiscian and Mr. H.C.A. Bulley, the founding fathers of the Department were honoured for their contribution to the development of Psychology in Ghana during the celebrations. Unfortunately, in July this year, Mr. Bulley passed away. May his soul rest in perfect peace!

The Department, together with other Psychologists in Ghana, continued to work on a proposal for a 'Psychologist Act' that will contain guidelines for the licensing and monitoring of the professional activities of Psychologists in Ghana. It is hoped that the proposals will be ready for submission to the Honourable Minister of Education for onward submission to Parliament in the 2002/2003 academic year.

The Ghana Journal of Psychology, the official mouthpiece of the Ghana Psychological Association, inaugurated in 2000, finally saw the light of day when it was officially launched at Cape Coast in August 2001. The next issue is due to come out early next year.

### Courses

- (a) Undergraduate Courses: The Department offered 30 undergraduate courses at Levels 100, 200, 300 and 400. There was a marked increase in the number of students offering Psychology as a single-subject major.
- (b) Postgraduate Courses: Despite the acute shortage of staff, two graduate programmes: Clinical Psychology, and Industrial and Organizational Psychology were offered at the M.Phil Level. Social Psychology and Counselling Psychology were also offered at the Ph.D level.

### Student Numbers

Level 100	-	600
Level 200	-	800
Level 300	-	430
Level 400	-	250
M.Phil. Part I	-	22
M.Phil. Part II	-	25
Ph.D	-	4

### Staff Strength

#### (a) Academic Staff

1. Prof. J.Y. Opoku	-	Associate Professor & Head of Department
2. Dr. A. Afrifa	-	Senior Lecturer
3. Dr. R. Akuamoah-Boateng	-	Senior Lecturer
4. Dr. Rose Schroeder	-	Senior Lecturer
5. Mrs. Charity S. Akotia	-	Senior Lecturer
6. Mr. C.B. Wiafe-Akenteng	-	Lecturer
7. Mr. Adote Anum	-	Lecturer (on Study Leave)
8. Mr. Maxwell Asumeng	-	Lecturer

9. Dr. B. Amponsah	-	Lecturer
10. Dr. Abena Asantewaa	-	Lecturer
11. Prof. S.A. Danquah	-	Professor (on Contract)
12. Prof. C.E. Fiscian	-	Associate Professor(Part-Time)
13. Dr. J.J. Lamptey	-	Senior Lecturer (Part-Time)
14. Dr. A. Sefa-Dedeh	-	Senior Lecturer (Part-Time)
15. Dr. A. Ofori-Attah	-	Lecturer (Part-Time)
16. Mrs. R. Phillips	-	Lecturer (Part-Time)
17. Mr. A. Nortey-Duah	-	Lecturer (Part-Time)
18. Mr. Samuel Atindanbilla	-	Lecturer (Part-Time)

**(b) Non-Academic Staff**

1 Mr. E.N. Adumuah	-	Chief Administrative Assistant
2 Mrs. Joyce D. Ahadome	-	Principal Administrative Assistant
3 Mr. J.J. Mensah	-	Principal Technician
4 Ms. Elizabeth Cudjoe	-	Administrative Assistant (Library)
5 Mrs. Sarah A. Essilfie	-	Clerk Grade I
6 Mr. Francis Asandor	-	Senior Headman

Six (6) National Service Personnel were posted to the Department and served as tutorial assistants. Six(6) Graduate Teaching Assistants were appointed Graduate Teaching Assistants.

**Publications**

**Opoku, J.Y.**

- "Building a model of bilingual semantic memory: The joys and frustrations of a psychologist" (Accepted for publication in the next issue of the Ghana Social Science Journal.)
- "Some psychological and social factors leading to the drift of Christians from the Orthodox to the Charismatic Churches" (Published in the Heritage)
- "Some social and psychological implications of the Government's new policy on Language of instruction in schools". (Published in the Daily Graphic).
- "The need for a re-introduction of the University Entrance Examination (Published in the National Concord)

**Akotia, Charity**

- The paper "The meaning and measurement of Personal Responsibility as a personality construct: Developmental, clinical and cross-cultural implications' is ready for submission for publication.

**Amponsah, B.**

- (2002) "Fertility patterns and value of children: The Ghanaian situation". A paper presented at the International Workshop on the value of Children Project at the University of the North, South Africa (9 – 15 March, 2002).
- "Childrearing Practices and their impact on the development of cognitive spatial skills". (Manuscript in preparation).

## Research

### Opoku, J.Y.

- Completed Research (not published). Second language proficiency and cross-language influence on a comprehension task.
- Some psychological and social factors involved in University admissions (in collaboration with A. Tabi)
- Personality type and preference for geometric patterns
- Gender differences in verbal and spatial tasks
- Mother tongue mediation in information processing in a second language.

### Akotia, Charity

- Work on my doctoral thesis continued throughout the year
- I am currently collaborating on research on Personal Responsibility with a colleague in a western University.
- I am also collaborating on research on belief in a just world among Ghanaians.

### Amponsah, B.

- Collaborating on an International research on Value of Children Project.
- Project Title: Value of children, intergenerational relations and Quality of life in cultural context: A cross-cultural psychological study in South Africa, Norway and Ghana.

### Asumeng, M.

- (Ongoing) Organisational Development in Private and Public Sector Organisations in Ghana.

## Extension Activities

### Afrifa, A.

- Member, Ghana Military Academy Selection Board, 9 – 26 July, 2002.

## Conferences/Seminar/Workshops

### Afrifa, A.

- "The Northern Conflict Provides A Test For Ghana's Free Press; How Do Events Of The Past and Present Tensions/Conflicts Affect Ethics of Journalism; Some Future Considerations and Recommendations to the Press! Paper Presented at the Commonwealth Human Rights Initiative [(HRI, Africa). Panel Discussion on Censorship vs Transparency: The Role of the Press in Reporting the Facts. The British Council Auditorium, Accra, 19th April 2002.
- "Human Psychology" Lecture Delivered at the Department For Research, Ministry of Foreign Affairs, Accra, 9th August, 2002.
- "The Psychology Of Business Negotiations. Paper Presented at ACCA

(Ghana) Seminar On "The Art and Science of Negotiation" Accra, 24th September, 2002.

- "Poverty and the Family in Ghana". Paper Presented at Seminar on "Gendered Family Dynamics and Health African Family Studies in a Globalizing World." Organized by Institute of African Studies and School of Public Health and the Swedish Collegium for Advanced Study in the Social sciences. Sponsored by UNFPA, SCASS and Cambridge University. NMIMR, Legon. 1 – 3 October, 2002.

#### **Akotia, Charity**

- Attended the Ghana Psychological Association Conference at University of Cape Coast.

#### **Amponsah, B.**

- Attended the International Workshop on the Value of Children Project in South Africa 9th to 15th March, 2002
- Attended the 2nd Annual Conference of the Ghana Psychological Association at the University of Cape Coast (3rd – 4th October, 2002).

#### **Benefactions**

The Association of Black Psychologists (ABPsi), through Prof. C. Mate-Kole of Central Connecticut State University donated 6 computers, 4 printers, other computer accessories and numerous books to the Department. The Department is extremely grateful to ABPsi and Prof. Mate-Kole for these donations.

## **DEPARTMENT OF SOCIOLOGY**

#### **Overview**

Given the continuing relevance of Sociology to newly emerging and dynamic social issues, the Sociology Department has continued to attract higher numbers of students seeking to read for degrees in the Humanities, the Arts and Administration. Thus, the Department is still actively working to find ways of coping with its ever-increasing work load to improve upon its facilities for the benefit of both staff and students. During the year under review the Department has increased the strength of its Senior Members from eleven to sixteen. This is perhaps no mean achievement, given that the staff strength in the University, generally, has continued to diminish as a result of resignations of staff, in the wake of the stagnation of remuneration levels and other conditions of service. To accommodate the new teaching staff, the Department has converted one of its less utilized classrooms into a set of working stations for the new faculty.

The Department has continued to modernize its existing computer facilities by converting an adjoining room at its Computer Center into a Student's internet Café. The Department's Computer center was established in 2000 as a result of a collaboration with the Institute of Computer Technology, a Ghanaian NGO, which

provided the Department with 20 computers and a printer to help train both students and faculty. The aim is to make Information Technology an important part of the academic pursuits in the Department.

Further, as a part of the modernization of the Department's IT facilities, all of its computers have been networked and every office has an Internet facility hooked to a radio link.

The Department acquired a photocopier and an overhead projector and has completed the rehabilitation of its old office desks to adapt them to computer usage. Ultimately these modest changes are directed at bringing out the best in both the senior members, staff and students.

The Social Work Unit, which has been an integral part of the Department of Sociology, has now achieved its autonomy as a full-fledged Department.

### **Courses**

The courses on offer in the Department have remained basically the same since the last review two years ago. They are:

#### **Level 100**

SOCI 101:	Principles of Social Organisation	3
SOCI 102:	Diversity of People and Cultures	3

#### **Level 200**

##### **BA (Sociology)**

The Courses available in Level 200 are compulsory for all students

SOCI: 201	Basic Concepts in sociology	3
SOCI: 202	Comparative Social Institutions	3
SOCI: 203	Traditional Ghanaian Social Institutions	3
SOCI: 204	Social Structure of Modern Ghana	3

#### **Level 300 Courses**

##### **Core**

SOCI: 301	Foundations of Social Thought	3
SOCI: 302	Perspectives in Social Theory	3
SOCI :303	Social Psychology	3
SOCI: 304	Groups, Organizations and the Individual	3
SOCI: 305	Quantitative Methods in Sociology Research	3
SOCI: 306	Research Methods	3
SOCI: 307	Rural Sociology	3
SOCI: 308	Rural Development	3

##### **Electives**

SOCI: 309	Urban Sociology	3
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SOCI: 312	Population Studies	3
SOCI: 313	Sociology of Religion	3
SOCI: 314	Sociology of Deviant Behaviour	3
SOCI: 315	Political Sociology	3
SOCI: 316	Medical Sociology	3
SOCI: 317	Sociology of the Family	3

### Level 400 Courses

#### Core

SOCI: 400	Project Work/Long Essay	6
SOCI: 401	Social Anthropology	3
SOCI: 402	Societies and Cultures of Africa	3
SOCI: 403	Theories of Social Development	3
SOCI: 404	The context of Dev. And Underdevelopment	3
SOCI: 405	Industrial Sociology I	3
SOCI: 406	Industrial Sociology II	3

#### Electives

SOCI: 408	Demographic Analysis	3
SOCI: 409	Gender Studies	3
SOCI: 412	Nature and Issues of Theory Construction	3
SOCI: 413	Advanced Quantitative Techniques	3
SOCI: 414	Formal Organisations	3
SOCI: 415	The Sociology of Science	3
SOCI: 416	Penology	3

### Graduate Programmes

#### Core

SOCI 501/601:	Perspectives in Social Thought	4
SOCI 503/603:	Advanced Quantitative Techniques	4
SOCI 505/605:	The Sociology of the Third World	4

#### Electives

SOCI 507/607:	Transformations of Rural Institutions	4
SOCI 509/609:	Comparative Religions Institutions	4
SOCI 511/611:	Sociology of the Family	4
SOCI 513/613:	Gender Studies	4
SOCI 515/615:	Population & Development	4
SOCI 517/617:	Sociology of Health Institutions	4
SOCI 519/619:	Sociology of Industrial Organization	4
SOCI 521/621	Social Movement and Collective Action	4

### SOCI 500/600

#### Core

SOCI 502/602:	Issues in Advanced Social Theory	4
SOCI 504/604:	Research Methods	4

SOCI 506/606: Political Economy of African States 4

Choose one of the following

### Electives

SOCI 508/608: Social Life in Urban Communities 4  
SOCI 512/612: Sociology of Deviant Behaviour 4  
SOCI 514/614: African Social Theory 4  
SOCI 516/616: sociology of Politics 4  
SOCI 518/618: Personnel Management in Indus. Org. 4  
SOCI 524/624: Environmental Sociology 4  
SOCI 526/626: Theoretical Anthropology 4

### Diploma in Police Administration

All the courses available in Year One and Year Two are Compulsory for students who intend to complete the Diploma in Police Administration

#### Year One

SOCI 001: Basic Concepts in Sociology 3  
SOWK 006: Techniques of Social Research 3  
SOWK 006: Criminology 3  
SOWK 006: Comparative Social Institutions 3  
SOWK 013: Traditional Ghanaian Social Institutions 3  
SOWK 016: Social Structure in Modern Ghana 3  
PCAD: 001 Map Reading and Interpretation 3  
PCAD 002: Techniques of Map Construction 3  
ECON 001: Economic Institutions 3  
POLI 002: Political Institutions 3

#### Year Two

PCAD 040: Long Essay 6  
PACD 041: Administration 3  
PCAD 042: Communication 3  
PCAD 043: Social Control Organization I 3  
PCAD 044: Social Control Organizations ii: The Police 3  
PSYC 003: Psychology of Personality 3  
PSYC 004: Abnormal Behaviour 3  
FLAW 051: Ghana Legal Systems and Methods I 3  
FLAW 052: Ghana Legal Systems and Methods II 3

#### Nontes

1. Courses which would seem to reinforce each other have so far as possible be taken concurrently.
2. In Year Two, it has been arranged so that students would take two major courses in order to make it possible to devote more time to the Long Essay in preparation of which they would have taken in the previous year,



Techniques of Social Research.

3. Many of the courses are taken in other departments and alterations in their planned programmes would affect the proposed scheme.

### **Diploma in Prisons Administration**

All the courses available in Year One and Year Two are compulsory for students who intend to complete the Diploma in Prisons Administration

#### **Year One**

SOCI 001:	Basic Concepts in Sociology	3
SOCI 002:	Comparative Social Institutions	3
SOCI 003:	Traditional Ghanaian Social Institutions	3
SOCI 004:	Social Structure of Modern Ghana	3
SOCI 005:	Sociology of Deviant Behaviour I	3
SOCI 006:	Sociology of Deviant Behaviour II	3
SOCI 011:	Quantitative Methods in Social Research	3
SOCI 012:	Research Methods	3
ECON 001:	Economic Institutions	3
POLI 002:	Political Institutions	3
SOWK 001:	Methods of Social Work I	3

#### **Year Two**

SOCI 041:	Penology	3
SOCI 043:	Social Psychology	3
SOCI 044:	Groups, Organizations and the Individual	3
SOCI 064:	Administration	3
ADMN 063:	Secretarial Practice	3
PSYC 043:	Personality and Abnormal Behaviour I	3
PSYC 044:	Personality and Abnormal Behaviour II	3
FLAW 051:	Ghana Legal System and Methods I	3
FLAW 052:	Ghana Legal System and Methods II	3
PSAD 042:	Institutional and Non-Institutional Methods of Treatment	3
PSAD 060:	Long Essay	3

#### **General Comments**

As is true for many other Departments, lack of adequate resources in terms of funding, staff, library materials, computer and Internet access continues to hamper effective research, conference attendance, and teaching. This context makes it particularly necessary that the Sociology Department develops partnerships with other agencies, which will assist in the building of capacity within the Department.

#### **Student Numbers for 2002/2003 Academic Year**

##### **Post Graduate Students**

Ph.D	7
M.A./M.Phil	40

Graduate Diploma	14
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Total	61
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### **Sociology Under-Graduate Student**

Level 100	1287
Level 200	1195
Level 300	547
Level 400	230
Occasional Student	55
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Total	3314
	-----

### **Diploma in Prison Administration**

Year I	19
Year II	7
Total	26
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Grand Total	3,401
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### **Staff**

Notwithstanding our modest gains in our staff strength, efforts continued to be made by the Department to augment the staffing situation, given the fact that Sociology services other Departments such as Nursing, Home Science and Pre-medical Sciences.

The current staffing position is as follows:

#### **Senior Members**

1. Prof. Chris Abotchie (Head of Department)
2. Prof. J.M. Assimeng
3. Dr. Yangyuoru (Co-ordinator, Prisons Administration)
4. Dr. Kodjo A. Senah (Co-ordinator, Police Administration)
5. Dr. Kofi Ohene-Konadu
6. Prof. Clara K. Fayorsey
7. Dr. M.K.Yeboah
8. Dr. Dan-Bright Dzorgbo
9. Dr. Steve Tonah
10. Ms. Betty Akumatey
11. Dr. Akosua Darkwah
12. Rev. M.K. Okyerefo
13. Mr. Kodjovi Akpabli-Honu
14. Mr. Stephen Afranie

### **Post Retirement Part-Time**

15. Mr. E.H. Mends
16. Prof. G.K. Nukunya

### **Senior Staff**

1. Mrs. Vicky Ayiku
2. Mrs. Comfort Agbodaze
3. Mrs Millicent Acheampong (study leave)
4. Mr. Vincent Donkor (study leave)
5. Mr. Yaw Serbeh

### **Junior Staff**

1. Ms. Margaret Ahiagbenyo
2. Mr. Thomas Annang
3. Ms. Josephine Atanzi (study leave)
4. Mrs. Zenabu Petula Kobatu (study leave)
5. Ms. Edith Kosipa
6. Ms. Joyce Darkwah
7. Mrs. Rosemary Okai-Addo
8. Mr. Edward Appiah-Sow
9. Mr. Solomon Takyi
10. Ms. Ophelia Ampomah Abedi
11. Mr. William Boateng
12. Ms. Cynthia Fianko

### **New Research Research & Publications**

Some Senior members have managed to combine their heavy teaching load with research, publications and public service. The profile for 2001/2002 was as follows:

#### **Publications**

##### **Abotchie, C.**

- "Bribery", Encyclopedia of Crime and Punishment (Vol. 1 pp 124-127) The Berkshire Publishing Group LLC (USA)
- "Conduct Norms and Crime" Encyclopedia of Crime and Punishment (Vol. 1 pp 295-300) The Berkshire Publishing Group LLC (USA).

##### **Okyerefo, M.P.K.**

- "The Cultural Crisis of sub-Saharan Africa as Depicted in the African Writers' Series – A sociological Perspective", Peter Lang, Frankfurt am Main.

##### **Senah, K.A.**

- (2002) 'Doctor-talk' and 'Patient-talk': Power and Ethnocentrism in Ghana. In: S. van der Geest and R. Reis (eds): Ethnocentrism: Reflections on Medical Anthropology. Amsterdam: Aksant

**Tonah, S.**

- (2002) "Fulani Herdsmen, Indigenous Farmers and the Contest for Land in Northern Ghana", *Africa Spectrum* 37, 1: 43-49, Hamburg, Germany
- The Politics of Exclusion: The Expulsion of Fulbe Pastoralists from Ghana in 1999/2000, Germany Max Planck Institute Working Paper
- Conflicts and Consensus Between Migrant Fulani Herdsmen and Mamprusi Farmers in Northern Ghana. In Kroeger, H & B. Meier, Northern Ghana - A reader, *Iko Publishing House*, Frankfurt, Germany (Forthcoming), 2002.

**Conferences/Workshops Attended****Akumatey, Betty**

- 'Socio-Cultural Aspects of Bribery and Corruption in Ghana'. Paper presented on 17th June 2002 as part of a three-day seminar held at the British Council Hall by the Ghana Academy of Arts and Sciences.
- 'Legal and Socio-Cultural Aspects of Gender-Based Violence and Rape: The roles of WAJU, FIDA, The Department of Social Welfare and other Support Groups'. Paper presented on 17th October as part of the Reproductive and Family Health Training Workshop Series for the Association of Private Medical and Dental Health Practitioners held at the Cicero Conference Centre, Ahodwo, Kumasi.

**Senah, K.A.**

- Attended a symposium on 'Performing Culture', June 13 & 14, 2002, Amsterdam, Holland organized by the African Studies Centre, University of Leiden, Holland, in connection with the celebrations of 300 year Ghana-Dutch relationship. Presented a paper: 'In the name of Jesus: Health-seeking and Penteco-charismatic Movement in Ghana'
- Attended a symposium on 'Socio-cultural Dimensions of Legon-Accra Reproductive Health and Human Development, June 27-29, 2002 Organized by Institute of African Studies, School of Public Health, Univ. of Ghana and UNFPA. Presented a paper: 'Maternal Mortality in Ghana: The other side'
- Attended a dissemination seminar on Comparative Legon-Accra studies of customary and modern legislation in the area of the family, inheritance, marriage and fertility rights, August 7-8, 2002 organized by PIP, NPC and UNFPA. I was a discussant.

**Tonah, S.**

- Workshop on "STI/HIV/AIDS Prevention and Support for Young People Living with HIV/AIDS", UNICEF-Ghana, Accra. Feb. 12-14, 2002.
- Conference of the African Studies Association in Germany, (VAD), Hamburg, Germany, May 23-26, 2002.
- Workshop on "The Role of Small and Medium Size Companies in Road Maintenance", Aachen, Germany, 28th June, 2002.
- Workshop on "Collective and multiple forms of property in land and animals", Max Planck Institute, Halle/Salle, Germany, August 19-21, 2002.

- Seminar on "Development Planning and Politics", University of Bielefeld, Germany, June 2002.
- "Fulani Pastoralists, Indigenous Farmers and the Contest for Land in Northern Ghana". Paper presented at the conference of the African Studies Association in Germany, (VAD), Hamburg, Germany, May 2002.
- "Fulbe Pastoralists and the Changing Property Relations in Northern Ghana". Paper presented at the workshop on collective and multiple forms of property in land and animals, Max Planck Institute for Social Anthropology, Halle/Saale, Germany, August 2002.
- "From Structural Adjustment to Highly Indebted Poor Country: Does Ghana Need More or Less Development Aid". Paper presented at a seminar on development planning and politics, Faculty of Sociology, University of Bielefeld, Germany, June, 2002.

## **DEPARTMENT OF SOCIAL WORK**

### **Overview**

Social Work Education was introduced at the University at Diploma Level in 1955 and established as a Unit of the Department of Sociology. Thus all these years Social Work has been a small Unit under Sociology Department. In the year 2000 the then Social Work Unit applied for a departmental status. On the recommendation of the Board of Faculty of Social Studies and the Academic Board the final approval for the establishment of the Department of Social Work was granted by the University Council on September 27, 2001 to offer sub-degree, Bachelors and Post-graduate degree courses. On this date Social Work became autonomous from Department of Sociology. In view of the expected increase in Staff and student numbers and introduction of graduate programme next academic year the present accommodation needs to be expanded. Prof. Brenda MacGadney-Douglass, Visiting Scholar from Eastern-Michigan University, USA and Ms. Michelle Banks, VSO, UK joined the Department for one and two academic years respectively. Both have completed their duty tours with the Department at the end of the academic year.

### **Courses**

The new Department of Social Work continues to offer two programmes namely, Diploma in Social Administration and B.A. Degree in Social Work. The Diploma is a two year programme which is a service course for various middle-level personnel from several Departments and Organisations such as Department of Social Welfare, Ghana Education Service, Department of Community Development, Ghana Police Service, Army, CHRAJ, National Commission for Civic Education, Ministry of Health, Ghana National Fire Service, NADMO, NGOs and some private students. Besides meeting the GCE 'O' Level or SSSCE requirement applicants are required to pass a competitive Entrance Examination and an interview.

The B.A. Degree in Social Work started in the 1989/90 academic year. It is offered from Level 200. Students must satisfy the minimum requirements for general

University entry and must combine Social Work with Sociology and any one of Psychology, Political Science, and Economics during their first University Examination.

Fieldwork placement of students occupies a very important place in the Diploma and Degree programmes. The training requires that students undergo a core 8 weeks Long Vacation fieldwork and a core 2 weeks Concurrent Fieldwork as requirements of the professional training. Essentially the field work provides students opportunities to test their knowledge and skills acquired in classroom, help them to identify themselves with the profession and gain mastery over the processes of working with people as individuals, groups and communities.

The courses offered by the Department at the undergraduate and Diploma levels are as follows:

### **B.A. (Social Work)**

#### **Level 200**

##### **Compulsory for all students**

SOWK 201	-	History of Social Work
SOWK 202	-	Philosophy of Social Work
SOWK 203	-	Nature of Social Work
SOWK 204	-	Approaches to Meeting Human Needs

#### **Level 300**

##### **Core**

SOWK 301	-	Theoretical Framework for Social Work Methodology
SOWK 302	-	Methods of Social Work
SOWK 303	-	Social Theories for Social Policy
SOWK 304	-	Social Welfare and Social Policy
SOWK 305	-	Human Behaviour in Social Work Practice
SOWK 306	-	Personality Development and Behaviour Disorders
SOWK 314	-	Fieldwork in theory and Practice (8weeks)
SOCI 305	-	Quantitative Methods in Social Research
SOCI 306	-	Research Methods

##### **Electives**

SOCI 303	-	Social Psychology
SOCI 307	-	Rural Sociology
SOCI 312	-	Population Studies
SOCI 309	-	Urban Sociology
SOCI 314	-	Sociology of Deviant Behaviour

#### **Level 400**

##### **Core**

SOWK 400	-	Long Essay
SOWK 401	-	Framework for Social Work Diagnosis

SOWK 402	-	Framework for Planned Change
SOWK 403	-	Community Organisation
SOWK 404	-	Community Development
SOWK 405	-	Organization Theory and Planning
SOWK 406	-	Administration, Management and Evaluation
SOWK 408	-	Fieldwork (Concurrent) 2 weeks

### **Electives**

SOWK 409	-	Theories of Rehabilitation
SOWK 412	-	Family Welfare
SOWK 414	-	Social Gerontology
SOWK 416	-	Problems of Rehabilitation
SOCI 409	-	Gender Studies

### **Diploma in Social Administration**

#### **Year One**

##### **Core**

SOCI 001	-	Basic Concepts in Sociology
SOCI 002	-	Comparative Social Institutions
SOWK 001	-	Theoretical Framework for Social Work Methodology
SOWK 002	-	Methods of Social Work
SOWK 003	-	Introduction to Social Policy
SOWK 004	-	Elementary Models of Social Policy
SOWK 005	-	Techniques of Social Research I
SOWK 006	-	Techniques of Social Research II
SOWK 018	-	Fieldwork in Theory and Practice (8weeks)
PSYC 001	-	Introduction to Psychology I
PSYC 002	-	Introduction to Psychology II

##### **Electives**

ECON 001	-	Economic Institutions
POLI 002	-	Political Institutions
SOCI 003	-	Traditional Ghanaian Social Institution
SOCI 004	-	Social Structure of Modern Ghana

#### **Year Two**

##### **Core**

SOWK 040	-	Long Essay
SOWK 041	-	Community Organisation
SOWK 042	-	Community Development
SOWK 043	-	Introduction to Social Development
SOWK 044	-	Development Issues and Social Planning
SOWK 045	-	Social Psychology I
SOWK 046	-	Social Psychology II
SOWK 058	-	Fieldwork in Theory and Practice (Concurrent) 2 weeks

### Electives

SOCI 043	-	Rural Sociology
SOCI 044	-	Urban Sociology
SOWK 048	-	Social Deviance
SOWK 051	-	Adult Education Methods I
SOWK 052	-	Adult Education Methods II

### Masters Degree in Social Work

The Department of Social Work is not unaware of the numerous and persistent problems of the Ghanaian Society which call for pragmatic approach to new teaching methods, research activities and development of inter-disciplinary training programmes to help prepare the students to meet the challenge. As a result the B.A. degree programme has been revised and development of the programme for the Masters degree completed. It is envisaged that the programmes would take off in the 2003/2004 academic year.

### Student Numbers for 2001/2002 Academic Year

#### Undergraduate

Level 200	143
Level 300	56
Level 400	61
Occasional Student	-
From other Departments	-
	-----
Total	260
	-----

#### Diploma in Social Administration

Year I	36
Year II	21
From other Departments	-
Total	57
	-----
Grand Total	317
	===

### Staff

The Department has seven (7) full-time teaching staff two of whom are on study Leave. Their efforts are being supported by seven part-time lecturers. With an increase in student numbers and the introduction of new programmes, efforts are being made to augment the staffing situation

The staffing position in the year 2001/2002 is as follows:

1. Prof. Nana Araba Apt - Head of Department
2. Mr. P.K. Abrefah - Coordinator of Social Work
3. Mrs. Cynthia A. Sottie



- |    |                               |   |                  |
|----|-------------------------------|---|------------------|
| 4. | Ms. Marie-Antoinette Sossou   | - | (Study Leave)    |
| 5. | Mr. T.E. Richardson           | - | (Study Leave)    |
| 6. | Prof. Brenda McGadney-Douglas | - | Visiting Scholar |
| 7. | Ms. Michelle Banks            | - | V.S.O            |

**Part-Time Lecturers**

1. Dr. K. Agyemang-Mensah
2. Dr. K. Kwabia
3. Mr. J.B. Amoako
4. Mr. John Amenlemah
5. Mr. V.C. Anson-Yevu
6. Mrs. Susana Mahama
7. Ms. Joana W. Mensah

**Senior Staff**

- |    |                    |   |               |
|----|--------------------|---|---------------|
| 1. | Mr. Vincent Donkoh | - | (Study Leave) |
| 2. | Mr. Yaw Serbeh     | - | (Study Leave) |

**Junior Staff**

1. Ms. Edith M. Kosipa
2. Ms. Cynthia Fianko
3. Mr. William Boateng

Five (5) National Service Personnel were posted to the Department and served as Tutorial Assistants.

**Research Activities**

**Abrefah, P.K.**

- Child Maintenance Act and Child Welfare (In Progress)
- Children's Act of 1998 and Welfare of the Ghanaian Child - (In Progress)
- Emerging Patterns of Social Work Practice in Ghana (In Progress)

**Sottie, Cynthia A**

1. Child defilement, a journey into the background of the perpetrator - (Proposal)
2. The Role of the School Social Worker in improving education standards in Ghana - (Proposal)

**Extension Services**

**Abrefah, P.K.**

- Member, Academic Board of School of Social Work, Osu - Accra, 2000 to date.
- Member, Board of Directors Feliko Youth Shelter for the Homeless, Accra, July 2002 to date.

- Participant Observer, First Meeting of West Africa Regional Advisory Committee on Rehabilitation (RACOR), February 5-6 2002
- Member, Committee on Restructuring of Ghana Association of Social Workers July 2002 to date.

#### **Sottie, Cynthia A.**

- Resource Person – Committee on Restructuring of The Ghana Association of Social Workers – July 2002 to present.
- Resource Person and Guest on “You and Your Child” a GBC Radio programme on child and Family Welfare – February – April 2002.

#### **Conferences/Seminars/Workshops**

##### **Abrefah, P.K.**

- Seminar Presentation and Workshop Facilitator - “An overview of Social Work in Ghana” Paper presented at a Seminar organised by Hogeschool De Horst, University of Professional Education for Professions in the Social Sector and Labour Relations, Driebergen, The Netherlands, October 27- November 3, 2001

##### **Sottie, Cynthia A.**

- Resource Person – “Leadership Capacity Building Workshop” for the Federation of Business and Professional Women Ghana- 28th February – 1st March 2002. Sponsors – Friedrich Naumann Foundation.
- Participant – Workshop on “Promoting Business Community Relations in Ghana Challenges and Opportunities for Business and Community. 12th and 13th September 2002 Organisers – New Academy of Business, UK Association of Ghana, UNV/UNDP
- Resource Person – Seminar on “Teens and Stress Management”, Calvary Baptist Church, Vacation Bible School – February – April, 2002.

#### **Benefactions**

Students of the Department continue to make effective use of the Heijmerink-Reith Computer Laboratory belonging to the Department with funding by Heijmerink Reith Foundation in the Netherlands arranged by Hogeschool De Horst, Driebergen The Netherlands so that student graduate with computer skills. The Department has been appealing for current textbooks in Social Work that will meet the learning needs of both graduate and undergraduate students. The response so far has been encouraging. During the year the Department received a total of 137 textbooks by post from University of California. A consignment of 21 textbooks was donated by the VSO, UK through its office in Accra. A personal donation of 21 textbooks was also received by post from Prof. Miles Yale of University of Michigan School of Social Work, Ann Arbor, USA. In the same spirit Prof. Crystal Mills of Eastern Michigan School of Social Work, USA also donated to the Departmental Library 24 text books during her visit to Ghana in the early part of 2002 as her personal contribution to help equip the library in preparation for the Masters programme.

The Department expresses its profound gratitude and appreciation to the donors for the rapid response to the appeal and the wonderful philanthropic gesture shown.

Three (3) needy students of Level 300 have been awarded full scholarship for two academic years (2001-2003) by the Lebanese Womens Association of Ghana. The beneficiaries are: Miss Sarah Duncan, Miss Ernestina Korleki Tetteh and Mr. Gideon Agbley. The Department is also grateful to the Association for coming to the aid of the students.

### **Visitors**

The Department maintains a collaborative relationship with Hogeschool De Horst, Driebergen, The Netherlands in the areas of fieldwork placement and study visit of their students annually. Efforts are being made to make these relationships more reciprocal and beneficial to our students. In May 2002, the Department received from Netherlands 12 students in the company of an Academic staff on twelve days study visit to the Department and Social Work agencies within Accra Metropolis. The visit offered our students the opportunity to interact, exchange ideas and appreciate new developments in Social Work Services and Practice taking place in the two countries.

### **Kenneth Cristmon Prize**

The Kenneth Christmon Prize for the best graduating student in Social Work for the 2001/2002 academic year was awarded to Miss Christine Adzoa Tengey who graduated with a First Class (Honours) in Social Work with Sociology.

### **Vera Nyarko Prize**

The Vera Nyarko Prize for the best student in Social Work Fieldwork for the year 2001/2002 was also awarded to Miss Christine Adzoa Tengey.

# COLLEGE OF HEALTH SCIENCES

## DENTAL SCHOOL

### Overview

During the year under review, the Dental School successfully pursued its primary responsibilities in the areas of teaching, research and outreach programmes.

As part of staff development programme, four staff members obtained fellowships/scholarship to pursue specialist training in different clinical disciplines.

Extension of clinical and laboratory facilities will begin soon through funding from the Ghana Education Trust Fund (GETFUND). When this project is completed the present intake of dental students could be increased by 100%.

### Staffing Position/Promotions

The following faculty members were promoted during the year under review:

Prof. N. O. Nartey	-	Associate Professor
Dr. Grace Parkins	-	Senior Lecturer

Dr. Jihad Akl and Mr. Neil Quarthey-Papafio were appointed Lecturers in the Departments of Preventive Dentistry and Biomaterial Sciences respectively. Dr. Toworfe is on a year study leave at the University of Pennsylvania – Philadelphia while Dr. Nyako will spend two years study at the University of Leeds – U.K.

The Dental School will continue to rely on the services of several part-time lecturers to support the clinical training programme. Their services of these category of lecturers are greatly appreciated.

### Conferences/Workshops

#### Nartey, N.O.

- W.H.O. Consultative Meeting, Cape Town, South Africa, 23rd - 26th April, 2002.
- Biennial Conference of the International Association of Oral Pathology – Singapore July-August, 2002.
- Strategic Planning for the College of Health Sciences – Swedru, Central Region.
- Yaounde, Cameroon Annual Scientific Conference of West African College of Surgeons - 16th - 22nd February 2002.
- Scientific Congress of the Ghana Dental Association – 27th - 29th June, 2002 – Accra.
- Annual Scientific Conference of Ghana Medical Association. 7th - 10th November, 2002 – Accra.
- Medic Afric Conference - April 2002, Accra.

### **Newman, M.**

- American Association of Orthodontists, 102nd Annual Session, Philadelphia - May, 2002.
- Use of Powerpoint by Prof. Ofori-Adjei
- Scientific Congress of the Ghana Dental Association, 27th - 29th June, 2002, Accra.

### **Adu-Ababio, F.**

- Health Writing Workshop by BMJ/West Africa Edition, May 2001.
- Workshop on Teaching Methodology organized by the Medical Education Unit, College of Health Sciences - August 2001.
- Continuous Professional Development organized by the Medical and Dental Council - August 2001.
- Ghana Dental Association (GDA) Scientific Meeting, June 2002.
- Ghana Medical Association (GMA) Scientific Meeting, November 2002.
- Continuing Medical Education organized by the Ghana Medical and Dental Council - April 2002.
- Elected Vice-President of the Ghana Medical Association (GMA) Nov. 2001 - Present.
- Since April 2001, I have been running the Dental Clinic at the University Hospital, Legon.

### **Bruce, I.**

- Scientific Congress of the Ghana Dental Association. 27th - 29th June, 2002 - Accra.
- Strategic Planning for the College of Health Sciences - Swedru, Central Region.

### **Outreach Programmes**

The Dental School extended the outreach services to more schools in the Greater Accra Region. The School will set up Satellite clinics in the near future to enhance the outreach programme.

### **Publications**

#### **Nartey, N. O. & Newman, M.**

- Focal Epithelial Hyperplasia in Ghanaian Children International Journal of *Pediatric Dentistry* - Sept. 2002

#### **Adu-Ababio, F.**

- 'Disability and Oral Health' - Disabled children Demand Total Oral Health Care (GDJ) - June 2001 Vol.1 No.1 page 24. Reviewer - *Ghana Medical Journal (GMJ)*

### **Benefactors**

- Ghana Education Trust Fund:- Expansion of Clinic and Laboratory

facilities.

- Rotary International:- Donations – Dental Units and Laboratory equipment.
- Dr. Daniel Otchere:- Yearly subscription to two international journals on behalf of Dental School
- Dr. Kojo Lamptey:- Dental Consumables
- Dental Future Company Ltd.:- Dental Materials
- Dr. Emmanuel Tsegah:- Lidocaine - 2 Boxes
- Mr. Michael Kleene:- DVD Video Deck, Burnsen Burners

## DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

### Overview

The Department offered courses to three clinical year students at the undergraduate level and two postgraduate students during the 2001/2002 Academic Year. Courses have been organised for the Medical students and Peri-operative nurses.

The courses comprised Didactic and Interactive lectures; practical and clinical sections for the 1st and 2nd year students and consistent clinical and theatre sections for the 3rd (final) clinical year.

The 2nd clinical year students spent most of the time in the Departments of Medicine, Surgery and Anaesthesia.

The postgraduate students underwent much of practical training - performing and assisting in both minor and major surgery.

6 students (1 female, 5 males) were successful in the BDS final examination.

### Staff Position

1.	Academic Research Staff	-	2
	Dr. Grace Parkins (Head of Department)		
	Dr. A.E. Abdulai (Lecturer)		
2.	Residents	-	2
3.	House officers	-	7
4.	Senior staff	-	2 (Ministry of Health)
5.	Junior staff	-	11 (Ministry of Health)

### Courses Taught/No. of Students

Course	Level	No. of Students
Local Anaesthesia	1st clinical year/BDS Part 1	14
Oral surgery 1	2nd clinical year/BDS Part 11	12
Oral Surgery 2 & Oral Radiology	3rd Clinical year/BDS Part III	8
Oral & Maxillofacial Surgery	Postgraduate Students	2

Jaw swellings	MB Ch.B Part 1	75
Maxillofacial Injuries	MB Ch.B Part 11	75

## Research

### **Mingle, J.A.A. with Parkins, Grace, Armah, G. and Tettey, Y.**

- Continuing with "Oral tumors and relation with viruses – Light and Electron Microscopy Studies".

### **Abdulai A.E.**

- Surgical Management of Ankylosis and other diseases of the Temporomandibular Joint.

## Extension

### **Abdulai A.E.**

- Lecturing of Peri-operative nursing student.

## Publication

### **Parkins, Grace**

- Bruce I; Parkins Grace: Lymphoma and the General Practitioner GMJ. Mar. 2002; 36(1), P 20-28.
- Parkins Grace; Ackuaku Edith: Osteomyelitis of the maxilla presenting as orbital cellulitis in a child. GMJ. Mar. 2002 36(1), P.41 – 43.

### **Abudulai, A.E. and Gyasi R**

- Ameloblastoma of the jaws – Analysis of 48 cases in Korle-Bu Teaching Hospital. GMJ

## Conference / Seminars / Workshop

### **Parkins, Grace**

- 16th –22nd February 2002. Yaounde, Cameroon. Annual Scientific Conference of West African College of Surgeons
- 27th–29th June 2002. Accra. Scientific Congress of the Ghana Dental Association.
- 7th –10th November 2002. Accra. Annual Scientific Conference of Ghana Medical Association.

### **Abdulai A.E.**

- April, 2002. Accra. Medic Afric Conference
- June, 2002. Accra. Annual Conference of Ghana Dental Association.
- November, 2002. Accra. Annual Conference of Ghana Medical Association.

# MEDICAL SCHOOL

## DEPARTMENT OF ANAESTHESIA

### Overview

The academic year 2001/2002 was relatively uneventful except for one or two wildcat strike by junior doctors which caused short lived disruption of clinical and academic work. The department continues to experience acute staff shortage at both senior and junior levels. This shortage relates to service delivery particularly, the coverage for Intensive Care and Emergency Services. Research activity suffered as a result of heavy clinical workload and the teaching of undergraduates and postgraduates at various levels

### Staffing Position

The academic staff complement is six (6) and the breakdown is as follows:-

Prof. Yaw Adu-Gyamfi-	Full Professor and active head of department
Dr. Gladys Amponsah	- Senior Lecturer
Dr. Henry Baddoo	- Senior Lecturer (on sabbatical leave)
Dr. Frank Boni	- Lecturer
Dr. Eugenia Lamptey	- Lecturer
Dr. Ernest Aniteye	- Lecturer

### Anaesthetic Clinic

The department continues to run a well established and well appreciated pre-anaesthetic clinic. The faculty staff are assisted in their clinic and other clinical duties by various categories of trainees numbering 15.

The number of operations carried by the department during the last academic year was as follows:-

1.	Obstetrics (caesarian section)	-	2500
2.	Gynaecology	-	4700
3.	General Surgery	-	4100
4.	Eye (include locals)	-	1097
5.	ENT	-	494
6.	Other	-	98
			-----
	Total		12,989
			=====

### Publication

#### Boni, F.

- Obstetric anaesthesia and analgesia. *Chapter in Comprehensive Obstetrics and Gynaecology for the tropics* (Y. Kwawukume et)



### **Aniteye, E.**

- Cardiopulmonary bypass surgery in Jehovah witness: accepted for publication in *West African Journal of Medicine (WAJM)*.
- Cardiopulmonary bypass in sickle cell disease: Update: GMJ December 2001: Vol 35; 4 pp 194-6

### **Research in the Department**

#### **Adu-Gyamfi, Y.**

- Post-operative pain control –ongoing
- Epidermal analgesia and anaesthesia – on going

#### **Lamptey, E.**

- Anaesthesia without nitrous oxide
- Patient impression

#### **Boni, F.**

- High dependency of Eclamsia
- CPR and critical care
- Spinal Anaesthesia in obstetrics
- Appropriate anaesthesia equipment in the tropics

#### **Aniteye, E.**

- Pre-operative use of erythropoietin
- Sorolaemic haemodilution for gynaecology surgery
- Midazolam for conscious sedation

### **Postgraduate Examination**

Senior members were examiners in the West African College of Surgeons examination which were held in April and October in Nigeria and Ghana.

### **Students Numbers**

MB, CHB Part II	-	71
Diploma WACS	-	12
Primary WACS	-	9
Part I	-	3
Part II	-	6

### **Seminars/Workshops attended**

Two symposia were organized by members of the department under auspices of the Anaesthetic Society of Ghana (GAS). The themes were:-

- Respiration failure in December 2001
- Diabetic patient and anaesthesia.

## **Resource persons at symposia**

### **Adu-Gyamfi, Y.**

- Fluid and Electrolyte management in diabetic emergencies.
- Chronic Obstructive, airways disease, Pathophysiology and management.

## **Participants**

Dr. Gladys Amponsah

Dr. Eugenia Lamptey

Dr. Ernest Aniteye

Dr. Henry Baddoo

## **Conferences**

Dr. Gladys Amponsah and Dr. Frank Boni attended the West African College of Surgeons conference in January 2001 in Cameroon.

## **Courses Attended**

Dr. Eugenia Lamptey attended the following courses in California:-

- Advance Trauma Life support
- Paediatric Life Support
- Advance cardiac Life Support

## **Workshops**

### **Adu-Gyamfi, Y.**

- Review of the curricular for the Postgraduate College of Physicians and Surgeons.
- Consensus building to establish the College of Physicians and Surgeons of Ghana.

### **Amponsah, Gladys**

- Developing checklist for assessing clinical care service in Health facilities- June 2002.
- Consensus building towards establishment of College of Physicians and Surgeons of Ghana.

### **Lamptey, E.**

- Member of Adhoc committee for the establishment of National Ambulance Service

### **Aniteye, E.**

- National Guidelines for the clinical use of blood and blood products in Ghana.

## **Extension Service**

## **Accreditation**

Accreditation exercises were undertaken for the Medical and Dental Council and the

Postgraduate College of Physicians and Surgeons of Ghana by:-

- Prof. Yaw Adu-Gyamfi
- Dr. Gladys Amponsah
- Dr. Henry Baddoo
- Dr. Eugenia Lamptey
- Dr. Frank Boni
- Dr. Ernest Aniteye

### **Outreach Programme**

Special Outreach programmes by Dr. Eugenia Lamptey at:-

- Nkwanta and Ho - Volta Region
- Cape Coast - Central Region
- Efia-Nkwanta-Sekondi - Western Region
- Mampong-Akwapim - Eastern Region

Prof. Yaw Adu-Gyamfi is currently President of the Ghana Anaesthetic Society, member of Civil Service Council, National Population Council and member of the Executive Council, Ghana Medical Association.

Dr. Eugenia Lamptey is currently Vice-President of the Ghana Anaesthetic Society.

## **DEPARTMENT OF ANATOMY**

### **Overview**

During the year under review, the Department successfully pursued its primary responsibilities of teaching, research and extension activities. Despite our precarious staffing levels, we were able to mount an additional intensive remedial course in Anatomy for 35 students from the University of Development Studies.

### **Staffing Position**

#### **Academic/Research staff (6)**

Rev. Prof. A.S. Ayettey	-	Professor (Provost, C.H.S)
Prof. C.N.B. Tagoe	-	Professor (Dean, U.G.M.S)
Prof. A.L. Lawson	-	Professor and Head
Dr. F.K. Addai	-	Senior Lecturer
Mrs. Esther E. Dennis	-	Senior Lecturer
Prof. F.N.L. Engmann	-	Assoc. Professor (Part Time)

Prof. A.L. Lawson was promoted to the grade of Full Professor.

#### **Senior Staff (4)**

Mr. J.F. Bart-Plange	-	Superintendent Technologist (on contract)
Mr. I.P. Odoi	-	Superintendent Technologist (on contract)
Mr. Edmund Mensah	-	Technician
Mr. Samuel Mensah	-	Technician

## Junior Staff (2)

Mrs. Madalene Ennin	-	Senior Clerk
Mr. Edward Mensah	-	Messenger

## Courses

The Department adopted new designations for Level 300 courses in line with Academic Board's decision to fuse the theory and practical components of each course.

The new designations are as follows:

GROSS ANATOMY:	ANAT 301
NEUROANATOMY:	ANAT 302
HISTOLOGY:	ANAT 305
EMBRYOLOGY:	ANAT 309

Level 300	-	106
Applied anatomy for candidates preparing for the Primary Fellowship Examinations of the West African Postgraduate Medical College	-	7
M.Phil	-	5
Remedial course in Anatomy for students from the University of Developments Studies	-	35

## Research

- Comparative ultrastructure of mammalian cardiac cells.
- Studies on gastrulation and neurulation.
- Comparative study of the structure and function of the placenta.
- Differential embryotoxicity of enantiomeric drugs.

## Conferences/Workshops attended

### Lawson, A.L.

- Society for Developmental Biology. Annual Conference Madison, Wisconsin, USA. July 23 - 27, 2002

### Ayettey, A.S. and Tagoe, C.N.B.

- International Networked Medical School (INMedS): feasibility assessment and international workshop 13 - 15 August, 2002, London

### Tagoe, C.N.B.

- Association of Medical Education in Europe. Approaches to Better Teaching 29th August - 1st September, 2002, Lisbon, Portugal

## Extension Work

Prof. Tagoe and Lawson acted as External Examiners in Anatomy at the Primary Fellowship Examinations of the West African College of Surgeons in April and October, 2002 at Ibadan and Ghana respectively.

Prof. Lawson and Dr. Addai are Editor and Assistant Editor, respectively, for the *West African Journal of Anatomy*.

The Department hosted the Ghana edition of the WACS Primary Examinations in April and October 2002.

Dr. Addai acted as Co-editor, the *Ghana Health Digest*, a publication of the Health Foundation of Ghana.

## DEPARTMENT OF CHEMICAL PATHOLOGY

### Overview

The Department of Chemical Pathology was involved in teaching, research and services to patients at Korle Bu Teaching Hospital. One senior member that is Head of Department and 2 MPhil students completed their program of studies. Two new lecturers were recruited after successfully completing their MPhil programmes.

### Staffing Position

Academic/Research Staff	-	4
Senior Staff	-	6
Junior Staff	-	2

### Courses Taught/No. of Students

Level 300	-	10
Level 400	-	104
1st Clinical Year	-	Nil
MB Ch.B Pt.II	-	Nil
MB Ch.B Pt.I	-	Nil
DMLT	-	13

Department of Chemical Pathology also offers Postgraduate Training.

### Research Activities

- Reference ranges of biochemical analytes
- Pancreatic elastase - assays
- Lipid profile of hypertensives, diabetics etc
- Hydrogen breath tests in apparently healthy Ghanaians
- Serum albumin levels and lipid profiles in some patients with nephritic syndrome
- Comparison of Adenosine Deaminase and glycated haemoglobin in type II diabetics before and after treatment.
- Prostate Specific antigens in Prostatic Diseases
- Serum Immunoglobulins and complement studies

## **Publications**

There have been 2 publications from the department.

- Total antioxidant status in non-insulin dependent diabetes mellitus
- The incidence of glycosuria and diabetes in patients attending the Korle-Bu and Mamprobi Polyclinics.

## **Conferences/Seminars**

The department was represented in all the clinical conferences and workshops at the Teaching Hospital as well as research seminars held at Noguchi.

## **Other Activities**

The department has been involved in the School of allied Health Science BSc. program as well as the remedial courses for the medical students from UDS.

## **Conclusion**

There is some improvement in the teaching staff of the department. The department is striving hard to improve its teaching and technical staff so as to embark on meaningful research.

# **DEPARTMENT OF CHILD HEALTH**

## **Overview**

Work continued apace in the department despite shortage of teaching staff in the face of increasing student numbers and heavy clinical workload. Due to the unstinting efforts of Senior Members the students performed well at the Final MB Ch.B Part I examination held in December 2001.

## **Courses**

MB Ch.B. Part 1 Finals in Paediatrics

Student Numbers for 2001-2002 - 76

## **Staffing Position in the Department at September 2002**

### **Senior Members**

Prof. Janet Neequaye	-	Head
Prof. J.O. Oliver-Commye	-	On Contract
Dr. Onike Rodrigues	-	Senior Lecturer
Dr. Jennifer Welbeck	-	Senior Lecturer
Dr. Bamenla Goka	-	Senior Lecturer
Dr. Lorna Renner	-	Lecturer
Dr. Christabel Enweronu	-	Lecturer
Dr. Ebenezer Badoe	-	Lecturer
Dr. Albert Boohene	-	Part Time Senior Lecturer

### Senior Staff

Mrs. Victoria Pappoe  
Mrs. Anna Amissah

### Junior Staff

Mr. Jonas Karikari  
Mrs. Mariatu Mahmoud

### Research

- Malaria
- Haemophilus Influenza Meningitis

### Publications

#### Welbeck, Jennifer

- Contribution of One Chapter to *"The Comprehensive Obstetrics in the Tropics"* edited by E.Y. Kwawukume and E.E. Emuaya January 2002

#### Poku, S.A., Johnson, T.K., Anyane-Yeboah, K., Pass, K.A. and Welbeck, J.

- Newborn Screening for Inherited Metabolic Disorders at Korle Bu Teaching Hospital, GMJ 2002, vol.36 (1)

#### Gyarm-Goka, B., Kemp, K., Akanmori, B.D.,

#### Adabayeri, V., Kurtzhals, J.A., Behr, C. and Hviid L.

- Cytokine production and apoptosis among T cells from patients under treatment for Plasmodium falciparum malaria. Clin. Exp. Immunol 2002 Jan. 127 (1), 151-7

#### Gyarm-Goka, B., Nielsen, M.A., Staloe, T. and Kurtzhals, J.A., et al.

- Plasmodium Falciparum variant surface antigen expression varies between isolated causing severe and non-severe malaria and is modified by acquired immunity. J. Immunol 2002 Apr. 168 (7), 3444-50

#### Gyarm-Goka, B., Kemp, K. Kurtzhals, J.A.,

#### Akanmori, B.D., Adabayeri, V., Behr, C. and Hviid, L.

- Increased levels of soluble CD 30 in Plasma of patients with Plasmodium falciparum malaria. Clin Diagn Lab Immunol 2002 May, 9(3);720-2

#### Gyarm-Goka, B., Gyan, B., Kurtzhals, J.A.,

#### Akanmori, B.D., Ofori, M., Hviid, L. and Behr, C.

- Elevated levels of nitric oxide and low levels of haptoglobin are associated with severe malarial anaemia in African children Acta Trop 2002.

### Workshops/Conference/Seminars

#### Neequaye, Janet

- Workshop on Integrated Management on Child Health, Accra –October 2002

**Rodrigues, O.**

- Jan. 2002 – Consensus workshop for start up of Ghana Postgraduate Medical College. – Participant
- May 2002 – Review and Planning meeting on Integrated Management of Childhood Illnesses and Roll Back Malaria (RMB) Programmes. – Participant
- August 2002 – Capacity Building Workshop for Health Research Proposal Writing. Participant
- Anti-malaria drug Policy Review Workshop - Participant
- Accident (IMCI) and Emergency Care Training ---Manual Writing (Ministry of Health, Ghana) – August 2002 – Participant.
- West African College of Physician – Annual General Scientific Meeting- Freetown Nov. 2001 – Participant.

**Welbeck, Jennifer**

- May 2002 Paediatric Oncology Conference in Yammousoukro La'Cote D'Ivoire
- Sept. 2002. INACC Anaemia meeting in Cape Town, South Africa

**Goka, B.**

- May 2002 – Review and Planning meeting on Integrated Management of Childhood Illness (IMCI) and Roll Back Malaria (RBM) meeting at M. Plaza Hotel - Participant.

**Renner, L.**

- National Guidelines for Management of Opportunistic Infections – May 2002
- Opportunistic Infections in AIDS – August 2002

**Enweronu, Christabel**

- June 2002 – Workshop to develop checklist for assessing clinical care services in health facilities, Accra, June 2002

**Badoe, E.**

- The new drug formulary - August 2002, Miklin Hotel – Accra.
- Gendered family dynamics and Health – Noguchi Memorial Institute – October 2002.
- Paediatric Society of Ghana – CHILD ADVOCACY - DRAMA CENTRE, ACCRA – November 2002.

**Public Lectures Delivered****Rodrigues, O.**

- May 2002 – “Overview on the Child with a Disability – Public Forum organized by Paediatric Society of Ghana on “The Child with Disability”
- June 2002 – “Cerebrovascular Accidents in Children with Sickle Cell disease” delivered at West African College of Physicians meeting.



**Renner, L.**

- October 2002 – AIDS in children and Maternal to Child Transmission – AGM of Ghana Chapter of West African College of Physicians (WACP)

**Visitors to Department**

- President J.A. Kuffour, President of the Republic of Ghana.
- Mr. Moses Dani-Baah, Deputy Minister of Health.

**DEPARTMENT OF COMMUNITY HEALTH****Overview**

During the period of July 2001 to October 2002, the Department of Community Health offered courses to both undergraduate and postgraduate students. Staff members carried out research activities in several areas. Clinical service was provided at the Medical School Clinic and at the Danfa Rural Health Centre, Ga District. Staff members participated in several workshops organized by the Ministry of Health and other Agencies.

**Staffing Position**

Academic/Regular Staff	-	3
Staff on Contract	-	1
Senior Staff	-	8
Junior Staff	-	21
Seconded Doctors (MOH)	-	5
Visiting Professor	-	1
Part-time Lecturer	-	1

**Courses and Number of Students**

1st Clinical (Level 500)	-	78
MB ChB Pt I (Level 600)	-	76
MB ChB Pt II (Level 700)	-	68
West African College of Physicians candidate for Part I – Revision Courses	-	2
West African College of Physicians		
Primary Examination	-	4
Part I	-	2
Part II	-	1

**Teaching**

Paraclinical Students (Mphil)	-	7
Anatomy for postgraduate students(Revision Course)	-	8

**Research Activities in the Department**

- Challenges and Prospects of District Health Systems
- Women's Health in the City of Accra

- Field Testing of Rotavirus Surveillance Protocol
- World Health Survey on Health Status and Health Systems Responsiveness

## **Publications**

### **Biritwum, R.B., Pobee, J.O.M. and Belcher, D.W.**

- (2002) Congestive Cardiac Failure in Accra, Ghana – Opportunity and Challenge, GMJ Vol. 36, No.1 pp 29.

### **Biritwum, R.B., Agyei, W.K.A. Ashitey, G.A. and Hill, R.B.**

- (2002) HIV/AIDS Awareness and Sexual Behaviour among Young People in Ghana. GMJ Vol.36 No.3 pp 94.

### **Ashitey, G.A., Agyi, W.K.A., Biritwum, R.B. and Hill, R.B.**

- (2002) HIV/AIDS Awareness and Sexual Behaviour among Young People in Ghana. GMJ Vol.36 No.3 pp 94.

## **Conferences/Workshops attended**

### **Tetteh, E.**

- Sub-Regional Meeting on the Prevention and Care of Sexually Transmitted Infections (STIs) among vulnerable populations within the context of sex work in West Africa; Banjul, Gambia September 24-28, 2001.
- TOT in Lactation Management and Behaviour Change Communication, November 19-23 2001.
- Seminar on Socio-Cultural Dimensions of Reproductive Health and Human Development, June 27-29th, 2002. Paper: How can the women with Fanta faces and Coca Cola bodies be reached? An ethnographic study of the context of risk and vulnerability among young mobile commercial sex workers in Ghana.
- Behaviour Change Communication (BCC) – Breastfeeding/Complementary Feeding, MOH/LINKAGES Project Ghana 5th – 16th August, 2002, Agona Swedru.

### **Biritwum, R.B.**

- Ethical Issues in Research (PRICOR) December 1-5 2001, Boston USA
- Public responsibilities in Medicine and Research, Accra Ghana March 23, 2002

### **Richardson, R.**

- Behaviour Change Communication (BCC) – Lactation Management, Mother to Child Transmission of HIV, Profiles, 11th – 15th February 2002, Agona Swedru.

## **Benefactions**

- WHO, Accra Office donated 3 computers and 1 printer worth \$8,800 to the Department

### **Visitors**

- Rolf Horsthann, Bernhard Nocht Institute for Tropical Medicine, 7th February 2002
- Christian G. Meyer, Bernhard Nocht Institute for Tropical Medicine, 7th February 2002
- Ohene Adjei, KCCR/SMS/KNUST, 7th February 2002
- Dr. Melville O. George, WHO Representative, 13th February, 2002
- Mr. T. Akporaye, Department of Microbiology and Immunology, University of Arizona, College of Medicine, 18th February, 2002
- Prof. B.M. Greenwood, Director of the Bill and Melinda Gates Malaria Project, London School of Hygiene, April 2002.
- Dr. Guy Barnish and Imelda Bates, Liverpool School of Tropical Medicine, 18th September 2002 on behalf of the Malaria Consortium.
- Judy Vallert and Abeka-Afari, Judy Vallert Foundation, P.O. Box KD 645 Kanda, Accra, 11th October, 2002.

### **Other Activities**

- External Examination for School of Public Health; School of Medical Sciences, Kumasi; West African College of Physicians – Professors G.A. Ashitey and L. Osei.
- The Department gives lectures to Doctors trained abroad for Ghana Medical and Dental Council.
- Members of Staff serve on Boards and Councils.

### **Conclusion**

The Department has carried out the activities under difficult situation of poor staffing strength and limited resources. There is a need to pay critical attention to the field work activities of the Department in terms of support to provide supervision of students work and the creation of the environment to attract more and younger lecturers.

The Department still faces staff shortages at all levels. There is a need to support book production to improve teaching and research.

## **CENTRE FOR TROPICAL CLINICAL PHARMACOLOGY AND THERAPEUTICS**

### **Overview**

The Centre for Tropical Clinical Pharmacology and Therapeutics (CTCPT) is a clinical and research department in the University of Ghana Medical School (UGMS). The Centre is involved in studies on drugs used in some tropical diseases, particularly malaria. It is also involved in research on interventions to improve the rational use of drugs in the country. The Centre collaborates with the Ghana Food and Drugs Board in manning a National Centre for Pharmacovigilance (NCPv) which is a member of the WHO Programme for International Drug Monitoring. The NCPv

is involved in detecting, assessing and preventing drug-related adverse events as well as monitoring the effects of new orthodox pharmaceutical drugs, vaccines and registered herbal product.

The CTCPT also specialises in field and clinical techniques for studying malaria parasite sensitivity to antimalarials, drug analyses (particularly antimalarials), pharmacogenetics and pharmacoepidemiology.

Academic staff of the Centre are facilitators on courses run both locally and internationally for prescribers by the International Network for the Rational Use of Drugs (INRUD) and the International Network for the Development of Pharmacotherapy Teaching (INDEPTH). Additionally, they collaborate closely with the Ministry of Health and other institutions in the development of essential drug lists, treatment guidelines and in policy formulation for both pharmaceutical and herbal drug use in Ghana. The Centre is affiliated to groups that are keenly promoting the setting up of Drugs and Therapeutics Committee's (DTC's) in various hospitals around the country.

#### **Staffing position of the Department as at September 2002**

1.	Academic staff	-	4
2.	Senior Staff	-	5
3.	Junior Staff	-	1

#### **Academic Staff**

Dr Francis Ofei	-	Lecturer/Acting Director
Dr Alexander Dodoo	-	Research Fellow
Mr William Kudzi	-	Research Fellow
Mr Ben Neils Quarshie	-	Research Fellow

#### **Senior Staff**

Mr Michael Ofori-Adjei	-	Chief Technician
Mr Edmund T. Nartey	-	Senior Research Assistant (Study leave for MPhil, Legon)
Mrs Selie A. Baiden	-	Senior Administrative Assistant
Mr John Tsakpo	-	Technician
Mr Caleb Buenortey	-	Technician (Study leave for HND at Accra Polytechnic)

#### **Junior Staff**

Mr Samuel Daniels	-	Office Assistant
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#### **Teaching**

Academic staff of the CTCPT are actively involved in undergraduate and postgraduate courses in clinical pharmacology at the UGMS. Additionally, Dr Ofei teaches and gives clinical instruction for the introductory, co-ordinated, senior clerkships and postgraduate course in internal medicine and endocrinology of the Ghana Medical School.

## Research Activities

### Quarshie, B.

Research activities within the period includes the use of clinical, molecular and in vitro methods to determine the current levels of P-falciparum resistance to chloroquine and other antimalarial drugs in five selected sites (Hohoe, Navrongo, Tarkwa, Sunyani and Yendi) in Ghana.

### Ofei, F.W.

- Out-patient clinic study of metabolic syndrome X
- Out-patient clinic study of endocrine disorders
- Assessing and correcting errors in prescription writing
- Open-Label Clinical Efficacy, Tolerability and Acceptability Trial of Orlistat (Xenical)
- An Intervention to Improve Antibiotic Prescribing in Junior Doctors – collaboration with ARCH and INRUD Adverse drug event monitoring.

### Dodoo, A.N.O.

- Pharmacovigilance (drug safety monitoring) in Ghana.
- Rational use of drugs.
- Traditional medicine – Policy and practices including assessment of institutional capacity for carrying our research in traditional medicine in Ghana.

## Publications

### Goka, B., Ofori-Adjei, E., Adabayeri, V., Ofori-Mante, J., Asare- Odei, G., Akanmori, B., Kurtzhals, J., Quashie, N.B., Ofori-Adjei, D., Neequaye, J

- (2001). Comparison of chloroquine with artesunate in the treatment of Cerebral malaria in Ghanaian children. *J. Trop Paediatr* 47: 34-8.

### Quashie, N.B. and Koram, K.

- In vitro susceptibility of Plasmodium falciparum to chloroquine and other antimalarial drugs in Ghana (2001). Abstracts of the 50th annual meeting of the American society of Tropical Medicine and Hygiene, Atlanta, Georgia, USA. Abstract 588 pg. 348.

### Ofei, F.W.

- A preliminary study of self-care behaviour among Ghanaians with diabetes mellitus. Ofei F, Forson A, Appia-Kuse J. *Ghana Medical Journal* June 2002 Vol. 36:22 54-59
- Life Course Perspectives on Coronary Heart Disease, Stroke and Diabetes. Key Issues and Implications for Policy and Research. Aboderin I et al. Geneva, World Health Organization. 2001 (WHO/NMH/NPH/02.1 and 01.4)
- Guidelines for the Management of Common Medical Emergencies – Handbook

- for House Officers, Department of Medicine and therapeutics, Korle-Bu Teaching Hospital. Ofei F, Forson A, Akpalu A, Neequaye AR. June 2002
- Evaluation of a 3-year Training Programme in Diabetes Mellitus for Health Care professionals. Ofei, Ofori-Adjei D – Report prepared for the project sponsors Eli Lilly & Co. Ghana diabetes Care Disease Management Project. November 2001
- Formative and Baseline Research on Diabetes Mellitus in Ghana. Ofei F, Ofori-Adjei D – Report prepared for the project sponsors Eli Lilly & Co. Ghana Diabetes Care Disease Management Project. November 2001.

**Dodoo, A.N.O.**

- Pharmacovigilance in West Africa. *Pharmacoepie. & drug Safety* 11(suppl. 2 S286.
- (2001) No more pain for diabetics? Inhaled insulin closer to reality. *Ghan Pharm. J.* 23(92):32.
- (2002) Pharmacovigilance in West Africa. *Uppsala reports* 20:8
- (2002) A brief introduction to pharmacogenomics. *Ghana Pharm. J.* 25 (1):36.
- (2002) What's in a drug name? *Ghana Pharm. J.* 25 (1):30-32.

**Dodoo, A.N.O. and Ofei, F.**

- (2002) Serious reactions with artesunate in Drugs of Current Interest Abstracts of the 25th Annual Meeting of the WHO Drug Monitoring Programme, Amsterdam, October 2002 pp. 21

**Dodoo, A.N.O. Nordor, R., Turkson, J., Nortey, P.**

**Tetteh, R., Osafo, E. and Asiedu-Gyekey, I.**

- (2001). Rational drug use in Korle-Bu: A five day baseline survey of drug use indicators at the Korle-Bu Teaching Hospital, Accra, Ghana. *Ghana Pharm. J.* 24(3): 14-16.

**Dodoo, A.N.O. and Asiama, D.**

- (2001) Improving patient care: the role of drug and therapeutics committees. *Ghana Pharm. J.* 24(3):16-18.

**Dodoo, A.N.O. and Asiedu-Gyekey, I.**

- (2001) Multidrug resistance. *Ghana Pharm. J.* 24(3):50

**Duwiejua, M., Plange-Rhule, J. and Dodoo, A.N.O.**

- (2001) Quality of counselling on salbutamol metered dose inhaler use in community pharmacies in Kumasi, Ghana. *Ghana Pharm. J.* 23(1):20-23

**Conferences/seminars/workshops attended**

**Quashie, N.B.**

- (September, 2001) International atomic energy agency regional training

course on the use of radionuclide and molecular techniques in the detection of drug resistant malaria, Venue: Kampala, Uganda. Role: Participant (November, 2001) Annual meeting of the American Society for Tropical Hygiene and Medicine, Atlanta, Georgia, USA. Title of paper presented: In vitro Susceptibility of Plasmodium falciparum to chloroquine and other antimalarial drugs in Ghana.

- WHO-MIM/TDR Antimalarial Drug Resistance Network (ADRN) workshop on molecular markers of antimalarial drug resistance, Kampala, Uganda.
- WHO-MIM/TDR Antimalarial Drug Resistance Network (ADRN)/WHO workshop on in vitro susceptibility testing of antimalarial drugs, Cotonou, Republic of Benin.

#### **Ofei, F.W.**

- 3rd Future Form Conference, Current Insights into Management of Dyslipidaemias Lisbon, Portugal.
- Roche Cardiovascular symposium – Comprehensive Adrenergic Blockade in Cardiovascular disease, Monte Carlo, Monaco
- 7th Pan African Diabetes Study Group Congress Casablanca, Morocco
- 2-Day Diabetes Course for Nurses in Private Practice, sponsored by Novo Nordisk Accra
- World Health Organisation Expert committee Meeting on Life Course and Ageing, Annecy, France
- Continuous Professional Development. Seminar on Infectious Diseases. Ghana Medical & Dental Council, Accra.

#### **Dodoo, A.N.O.**

- 16th –19th October, Amsterdam, Netherlands, International Society of Pharmacovigilance Meeting.
- 13th – 16th October 2002, Amsterdam, Netherlands, 25th Annual Meeting of Representatives of National Centres Participating in the WHO International Drug Monitoring programme
- 4th –9th May 2002, Uppsala Monitoring Centre, Sweden. Working visit and lecture titled “A year in the life of a National Centre for Pharmacovigilance”
- 19th – 24th August 2002, Cape Town, South Africa. Global Training Network/23rd November 2001, Dunedin, New Zealand: 24th Annual Meeting of Representatives of National Centres Participating in the WHO International Drug Monitoring Programme.
- 19th to 23rd November 2001, Dunedin, New Zealand: 24th Annual Meeting of Representatives of National Centres Participating in the WHO international Drug Monitoring Programme.
- 17th to 21st October 2001, Carthage, Tunisia, 1st Meeting of the International Society for Pharmacovigilance.
- 20th to 27th June 2001. Yogyakarta, Indonesia. International Training Course on Drug and Therapeutics Committee
- 7th to 18th May 2001: Uppsala, Sweden. Training course on “Pharmacovigilance – the study of adverse drug reactions”.

- 2nd – 4th December 2002. Rational drug Use Training for Greater Accra Region. Regional Training Centre, Adabraka, accra
- 28th –29th November 2002. Rational use of drugs training for staff of Korle-Bu Polyclinic. Korle-Bu teaching hospital, Accra.
- 21st – 22 November, 2002. Harmonization meeting of Content develops for the SEAM/GSMF-EL-franchised Chemical sellers Training Manual. Coco Beach Hotel, Accra
- 17th – 20th November 2002. Briefing workshop for pharmacy experts on development of strategy and curriculum for continuing education of pharmacy personnel, Errata Hotel, Accra
- 22nd – 23rd June 2002. Frafraha, near Dodowa, Accra, Ghana. 2-Day Strategic meeting on "Healthcare financing and its impact on pharmacy practice" hosted by the Pharmaceutical society of Ghana.
- 26th June 2002. Institute of Economic Affairs, Accra, Ghana Round Table discussion on "The National Health Insurance Bill" organised by the Institute for Economic Affairs in collaboration with the Konrad Adenaeur foundation.
- 12th June 2002. Institute of Economic affairs, Accra, Ghana round table discussion on "The National Health Insurance Bill" organised by the Institute for Economic Affairs in collaboration with the Konrad Adenaeur foundation.
- 3rd June 2002, Kumasi, Ghana. Pharmacovigilance workshop with students of the faculty of Pharmacy.
- 3rd – 6th June 2002, Kumasi, Ghana. International workshop on adverse events following Immunization.
- 30th May 2002, Korle-Bu Teaching Hospital, Accra, Ghana. Workshop on "Crisis Management and the Media".
- 20th – 22nd May 2002, Bayview Hotel, Accra. IEC Strategy Development workshop on rational use of drugs.
- 19th –22nd February 2002, Miklin Hotel, Accra. Resource Person, National Retraining of Rational Use of Drugs Focal Persons.
- 21st February 2002, Miklin Hotel, Accra. Participant, Stakeholders meeting on the Draft Legislative Instruments for the Pharmacy Council of Ghana.
- 30th -31st January 2002. Achimota, Accra, Ghana. Workshop for mass media practitioners on rational drug use and health reporting.
- 22nd – 25th January 2002. Elimina, Ghana. Planning Workshop of the Ghana National Drugs Programme.
- 16th – 18th January 2002. Accra, Ghana. Three day national review workshop on rational drug use.
- 10th – 11th January 2002. Accra, Ghana. Two-day residential workshop on rational drug use for the Korle-Bu Teaching Hospital, Accra, Ghana.
- 12th to 15th September 2001, Accra, Ghana: Biennial Conference and Annual General meeting of the Pharmaceutical Society of Ghana
- 6th – 7th September 2001, Korle Bu, Accra. Rational Drug Use training for staff of Korle-Bu Teaching Hospital



- 27th – 29th August 2001, Accra, Ghana. Workshop on the Development of Traditional Medicine Policy in Ghana
- 14th – 16th August 2001, Swedru, Ghana. National Clinical Pharmacy workshop.
- 19th – 25th July 2001, Achimota, Accra, Ghana. Rational Drug Use Course for Psychiatrists

### **Dodoo, A.N.O.**

#### **Presentations**

- 17th October 2002. Presentation on Pharmacovigilance in West Africa. International Society of Pharmacovigilance Conference, Amsterdam, Netherlands.
- 15th October 2002. chairman, Session on Pharmacovigilance in Developing countries, 25th Annual Meeting of Representatives of National Centres Participating in the WHO International Drug Monitoring Programme, Amsterdam, Netherlands.
- 16th October 2002. Pressures on Pharmacovigilance Centres. Follow-up presentation on the working group formed that the 24th National Centres Meeting in New Zealand. 25th annual Meeting of Representatives of National Centres Participating in the WHO International Drug Monitoring programme, Amsterdam, Netherlands.
- New approaches towards maximum efficiency in the pharmaceutical industry: the role of pharmacovigilance. Lecture delivered during a Pharma-InforConsult Seminar at Golden Tulip Hotel, Accra, 21st May 2002.
- A year in the life of a National Centre for Pharmacovigilance. Presentation delivered to the Director and Staff of the Uppsala Monitoring Centre, Sweden (the WHO Collaborating Centre for International Drug Monitoring), 8th May 2002
- Industry pressures on developing countries. Presentation given at the 24th Annual Meeting of Representatives of National Centres Participating in the WHO International Drug Monitoring Programme, Dunedin, New Zealand, November 2001.
- The Politics and Science of Medicine Safety in Ghana, lecture given during the biennial general meeting of the Pharmaceutical Society of Ghana, 14th September, 2001
- Prescriptions and Patient Care in Ghana, Lecture delivered to the Private Medical Practitioners Association of Ghana, Tema, Ghana. September 2001.
- Pharmacovigilance and the Clinical Pharmacist, lecture delivered during the National Clinical Pharmacy Workshop, Swedru, 14th – 16th august, 2001.
- Widening the net? Safety monitoring of herbal and allopathic medicinal products in Ghana, West Africa. Lecture presented during the International training course on pharmacovigilance, Uppsala, Sweden, May 2001.

## DEPARTMENT OF HAEMATOLOGY

### Overview

Diplomate (DMLT), undergraduate and postgraduate teaching were done. Clinical and Laboratory Haematological Service to the Korle-Bu Teaching Hospital as well as Management of the Centre for Clinical Genetics continued. Workshops and Conferences were attended.

The workload of the Department went up further with the start of the BSc. Medical Laboratory Technology Courses. There was no change in the staff strength.

### Courses Taught and Student Numbers

Level 400	-	101
University of Development Studies (UDS) Students	-	35
BSc Medical Laboratory Technology		
Level 300	-	11
Diploma in Medical Laboratory Technology	-	11
M Phil Elective Level 600	-	1 Student
West African College of Physicians and Surgeons		
Primaries, Part I and Part II.		

### Staffing Position as at September 2002

Academic/Research	-	2
Senior Staff	-	3
Junior Staff	-	3

### Research

#### Acquaye, J.K.

Frequency of some Red cell antigens in the Akan Population Groups.

### Publications

#### Ekyem, Ivy and Acquaye, J.K.

- National Guidelines for the Clinical Use of Blood and Blood Products in Ghana.
- Anaemia in Pregnancy - Co-author.
- Chapter in "Comprehensive Obstetrics in the Topics" (2002) First Edition. Editors - E. Y. Kwawukume, E. E. Emeveyan. Publishers - Asante & Hiltscher Printing Press Limited.

### Conferences/Seminars/Workshops attended

#### Acquaye, J.K.

- Annual General and Scientific Meeting of the West African College of Physicians November 2001, Freetown, Sierra Leone.

- Third Congress of the African Society of Blood Transfusion 6 – 8th September, Tunisia. Paper Read: Erythrocyte Sedimentation Rate in Blood Donors.

### **Clinical Attachment**

#### **Ekem, Ivy**

- Birmingham University Hospital – Bone Marrow Transplant Unit 10th June – 19th July 2002.

### **Outreach Work by the Department**

Workshop to produce national guidelines for the clinical use of blood and blood products – Facilitators: Prof. J. K. Acquaye, Dr. Ivy Ekem 12th November 2002.

### **Visitors**

Dr. Edem Agoma of International Health and Development Network, Springfield U. S. A.

## **DEPARTMENT OF MEDICAL BIOCHEMISTRY**

### **Overview**

The Department continued to run courses for undergraduates in the basic science programs of the Medical and Dental Schools and also for postgraduates working for higher academic and or professional degrees. All senior members are also engaged in various research projects in addition to a very heavy teaching load.

### **Staff Position of Department**

Academic Staff	-	4
Senior Staff	-	4
Junior Staff	-	2

### **Courses Taught/Number of Students**

Level 300 Courses	-	102
BIO C01, 302, 304 and 306		
University of Development Studies (UDS) Level 300 Courses	-	35

### **Postgraduate Studies**

BIOC 601, 602	-	8
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Teaching was carried out by three senior members during the year. Dr. S.Y. Oppong was granted a two-year leave of absence to pursue an MBA programme at the University. Dr. Oppong continued to give his lectures. Mr. Bartholomew Dzudzor left the Department for a two-year study leave at the University of California, Los Angeles, U.S.A.

The main lecturers for the year were:

Dr. S. Asante-Poku	-	Senior Lecturer and Head
Mr. Nii Ayite Aryee	-	Lecturer
Prof. A.G.B. Amoah	-	Prof of Medicine

### Research

- Allegic frequency of transthyretin Val 122 in West African Newborns.
- Interethnic disposition of drugs
- Newborn screening for Metabolic Disorders

In the 2001/2002 report the Department asked for a stand-by generator for the Basic Sciences Building but it is apparent that the request has not received the necessary attention.

### Research Collaboration

- New York VA Hospital, New York, U.S.A.
- Margarate Fischer-Bosch Institute for Clinical Pharmacology, Stuttgart, Germany
- Department of Pediatrics, Columbia University, New York, U.S.A.
- New York State Department of Health, Albany, New York.

### Publications

#### **Asante-Poku, S., Anyane-Yeboah, K., Johnson, T.K., Welbeck, Jeniffer and Pass, K.**

- Newborn screening for inherited metabolic disorders and Hemoglobinopathies at the Korle-Bu Teaching Hospital. *Ghana Medical J.* 36, 15 – 19, 2002

#### **Asante-Poku, S.**

- Korle-Bu Notes. Biochemistry: Amino Acid Metabolism. Bel-Team Publications 2001.

### Conferences/Seminars/Workshops

#### **Asante-Poku, S.**

- Seminar on stress and stress management, March 2002, UGMS, Korle Bu.
- 2-Day Workshop on Research Methodology and Thesis Report Writing for West African College of Anaesthesia, March 2002, Department of Anaesthesia, UGMS, Korle-Bu.
- 2-Day Workshop on Effective use of Power Point, July 2002, College of Health Science, Korle Bu.

### Extension Work

#### **Asante-Poku, S.**

- External Examiner – Department of Molecular Medicine, School of Medical

Sciences KNUST, Kumasi

- Reviewer – Ghana Medical Journal
- Member – Ghana Medical and Dental Council Team of Inspectors 2002

### Visitors

Dr. A.K. Nyame, Research Scientist, Oklahoma Centre for Medical Glycobiology, University of Oklahoma, Oklahoma, U.S.A.

## DEPARTMENT OF MEDICINE AND THERAPEUTICS

### Overview

The Department of Medicine & Therapeutics, the second largest department in the Medical School has 4 units of general medicine with a total of 15 Senior Members. The Department runs courses for undergraduates in their clinical years and also for postgraduates working for higher professional examinations. All senior members are also engaged in various research projects in addition to a very heavy service load, which entails supervising the day to day activities of a very busy emergency and referral hospital.

### Staffing Position as at September 2001

Academic/Research	-	15
Senior Staff	-	5
Junior Staff	-	6

### Course Taught

The Department being a clinical department is engaged at any one instance in teaching students from at least 2 if not all clinical years. During the course of the academic year, the Department runs the following courses:

Introductory Course	-	Clinical Medicine
1st Clinical Year	-	4 weeks

This course consisted of daily 1-hour lectures followed by clinical demonstration on the ward in 2 sessions (morning – 2 hours, afternoon – 3 hours).

### Junior Clerkship – 10 weeks x 2

#### 1st Clinical Year Students

This is a coordinated course undertaken in conjunction with the Department of Surgery. The course consists of 1 daily 1-hour lectures for 20 weeks in addition to bedside teaching and tutorials in the wards.

### Senior Clerkship – 40 weeks

This course is provided for students in their final year and is a more concentrated and detailed course in Internal Medicine.

### Dermatology Course –2nd Clinical Year Students

This course consists of ten 1-hour weekly lectures and clinical outpatients sessions for small groups for 8 weeks.

### Postgraduate Programme

This programme is structured for young medical officers, middle grade doctors and residents who have been formally admitted on to the professional postgraduate course to work for the Fellowship of the West African College of Physicians.

Course	No. of Students
Introductory Clinical Course in Medicine & Surgery- Clerkship in Medicine/Surgery (78 Medical Students & 11 Dental Students)	78 Junior 89
Senior Clerkship in Medicine	71
Dermatology Course	76
Postgraduate Course in Internal Medicine	17

### Research

#### Owusu, S.K.

- Management of Pregnant Diabetic patients
- Management of Diabetic foot ulcers
- Management of pregnant thyrotoxic patients
- Management of Exophthalmos in thyrotoxic patients

#### Affram, R.K.

- Renal Disorders in Ghana
- Chronic Renal Failures
  - (i) The size of the Problem
  - (ii) Causes of Chronic Renal Failure
  - (iii) Replacement Therapy for Chronic Renal Failure
- Connective Tissue Disorders in Ghana
- Hypertension and the Kidney
- HIV/AIDS
  - (i) Management
  - (ii) Renal Involvement in Patients with HIV/AIDS

#### Mate-Kole, M.O.

- SLE in Ghana
- End Stage Renal Failure in Ghana. Size of the problem.

#### Kpodonu, J.

1. Cardiac Register
  2. The Mamprobi Project on Cardiovascular Diseases
- WHO Patient Education Project in Hypertension
  - Blood Pressure of School Children; a biracial study

- Echocardiogram of cardiomyopathies
- Ischaemic heart disease in Ghana : risk factors
- ECG and Hypertension in Blacks
- Complete heart block and syncopal attacks : a critical study of the cause of syncopal attacks
- Pre-excitation syndrome
- Sick sinus syndrome

**Amoah, A.G.B.**

- Genetics of Type 2 diabetes in people of African Ancestry
- Epidemiology of Coronary Artery Disease in Ghanaians
- Occurrence and Determinants of hypertension in adult Ghanaians
- Socio-demographic correlates of obesity in adult Ghanaians
- Pathogenesis and determinants of Type 2 diabetes in Africans

**Addo, H.A.**

- Contact Allergic Dermatitis in Ghanaians
- Tinea Infections in School Children

**Nyame, P.K.**

- Strokes

**Ofei, F.**

- National Prescription Survey (on-going)
- Endocrine disorders in Ghana (On-going)
- Metabolic Syndrome X (New)
- Pharmacovigilance & Adverse Drug Events Reporting (On-going)
- Diabetes Foot Study (On-going)

**Nkrumah, K.N.**

- Upper Gastrointestinal Endoscopy in peptic ulcer disease and chronic upper abdominal pains
- Fiberoptic Colonoscopy in suspected inflammatory bowel disease
- Faecal pancreatic elastase-1 in suspected chronic pancreatitis.

**Nkrumah, K.N. with Mingle, J.A.A.**

- A prospective study of Hepatitis B & C viral markers among at risk employees and of patients with jaundice at Korle Bu Teaching Hospital.

**Pobee, J.O.M.**

- Drug Trial  
PILACETAM (Nootropil) and Infarctive Strokes: Results of a pilot study in the Department of Medicine, Korle Bu Teaching Hospital. October 2001 – January 2002. Investigators: Prof. J.O.M. Pobee, Prof. P. K. Nyame and Dr. Albert Akpalu

## Conferences/Seminars/Workshops

### Owusu, S.K.

- West African College of Physicians Annual General and Scientific Meeting, Freetown, Sierra Leone, November 2001.
- West African College of Physicians. Faculty of Internal Medicine Update Course in Endocrine and Metabolic Diseases. Accra. 26 – 27 August 2002. Papers Read:
  1. Diabetes Mellitus
  2. Goitre –Medical Aspects
  3. Unusual Manifestations of Thyroid Diseases
  4. Management of some Complications of thyroid diseases
- West African College of Physicians Annual General and Scientific Meeting – Banjul, The Gambia. November 3 – 10, 2002.

### Affram, R.K.

- Workshop on Management of Opportunistic Infections in HIV/AIDS (organized by National AIDS Commission) March 2002, Accra. Presented a paper on the Management of Opportunistic Infections in the Gastrointestinal Tract.
- Update Course in Endocrinology, West African College of Physicians. August 2002, Accra. Presented a Paper on Parathyroid Disorders.

### Mate-Kole, M.O.

- European Society of Cardiology, Berlin. September 2002

### Amoah, A.G.B.

- American Society for Human Genetics Conference, San Diego, USA (poster presentation on behalf of AADM investigators), October 2001
- Global Forum for Health Research and Cardiovascular Diseases Initiative, Geneva, 2001 October
- West Africa College of Physicians Meeting, Accra, 2001
- Chairperson, Workshop to establish a Cancer Register for Ghana, 2001
- Chronic Diseases Initiative, World Health Organization, Geneva, May 2001
- WHO meeting on "Reduction of cardiovascular burden through cost-effective integrated management of cardiovascular risk. July 2002, Geneva
- 17th Annual Congress, International Society for Hypertension in Blacks, Miami, Florida, USA, June 2002. Presented 2 posters and a paper.
- Editorial Board meeting, ISHIB, Miami, Florida, June, 2002-08-09
- Board of Trustees meeting, Miami, Florida, 2002. International Society on Hypertension in Blacks Annual Congress, 2002.
- West African College of Physicians-Faculty of Internal Medicine. Update Course in Endocrinology and Metabolic Diseases. Accra. 26-27th August 2002.

Papers read:

- a. Diabetes Overview
- b. Endocrine Causes of Hypertension



### Publication

**Nartey N. O., Owusu S. K., Newmann M. A., Nyakor, E-A. and Parkins, G.A.**

- Bilateral parotitis, cervical lymphadenopathy and oral hairy leukoplakia presenting as the initial clinical manifestation of HIV infection. *Dental Journal* 2001; 1: 21-23.

**Amoah, A.G.B., Owusu, S.K., Osa Mensah Ayithey B.S., Schuster, D.P. and Osei, K.**

- Minimal model Analyses of Beta Cell Secretion, Insulin Sensitivity and Glucose Effectiveness in Glucose Tolerant, Non-diabetic First-Degree Relatives of Ghanaian Patients with Type 2 Diabetes and Healthy Control Subjects. *Ethnicity and Disease* 2001, 11: 201-210.

**Amoah, A.G.B., Owusu, S.K. and Adjei, S.**

- Diabetes in Ghana: a community based prevalence study in Greater Accra. *Diabetes Research and Clinical Practice* 2002, 56: 197 - 205.

**Pobee, J.O.M., Biritwum, R.B. and Belcher, D.W.**

- Congestive Cardiac Failure in Accra, Ghana. *Opportunity & Challenge. Ghana Med. J.* 2002, 36: 29 - 35.

**Amoah, A.G.B. et al**

- Pathogenic mechanism of type 2 diabetes in Ghanaians-the importance of beta cell secretion, insulin sensitivity and glucose effectiveness. *South African Medical Journal.* 2002 May;92(5):377-84.
- Diabetes in Ghana: a community based prevalence study in Greater Accra. *Diabetes Research Clinical Practice.* 2002;56:197-205.
- Minimal model analyses of beta cell secretion, insulin sensitivity and glucose effectiveness in glucose tolerant, non-diabetic first-degree relatives of Ghanaian patients with type 2 diabetes and healthy control subjects. *Ethnicity Disease.* 2001;11:201-10.
- Insulin Resistance, Beta Cell function, and Cardiovascular Risk factors in Ghanaians with varying degrees of glucose intolerance.

**Amoah, A.G.B.**

- Undiagnosed diabetes and impaired glucose regulation in adult Ghanaians using the ADA and WHO diagnostic criteria. *Acta Diabetologica.* 2002;39:7-13.
- Comprehensive Care in a Low-Income Country: The Ghana Experience. *Diabetes Voice (Bulletin of the International Diabetes Federation).* 2002;47:20-22.
- Hypertension in Ghana: a cross-sectional Community Prevalence Study in Urban and Rural Greater Accra. *Ethnicity and Diseases* 2001;11:p341
- Insulin resistance and cardiovascular risk factors in native Ghanaians: a

**Frimpong-Boateng, K., Amoah, A.G.B., Aniteye, E., Amuzu, V.A. and Konotey-Ahulu, F.I.D.**

- Cardiopulmonary Bypass Surgery in Sickle Cell Disease: an update. *Ghana Medical Journal* 2001;35:194-197.

**Rotimi, C., Dunston, G., Berg, K., Akinsete, O and Amoah, A.G.B. et al.**

- In search of susceptibility genes for type 2 diabetes in West Africa: the design and results of the first phase of the AADM study. *Annals of Epidemiology*. 2001;11:51-8.
- Overweight and obesity in Ghana: A community-based study in Accra. Ghana.

**Chen1, G., Zhou1, J., Amoah, A.G.B. et al.**

- A Genome-Wide Scan for Obesity Susceptibility Genes in a Cohort of Type 2 Diabetes Patients from West Africa.

**Rotimi1, C., Chen1, G., Zhou1, J., Parish-Gause1, D.**

**Doumatey1, A., Amoah, A. et al**

- A Genome-wide Search for Type 2 Diabetes Susceptibility Genes in West Africans: The AADM study.

**Chen1, G., Zhou1, J., Parish-Gause1, D., Doumatey, A.,**

**Furbert-Harris1, P., Amoah, A. et al.**

- A Genome Search for Genes Underlying Susceptibility to Insulin Resistance Syndrome in a Cohort of Type 2 Diabetes Patients from West Africa.

**Chen1, Y., Kittles, R., Zhou1, J. Chen, G,**

**Furbert-Harris, P., Amoah, A. et al.**

- Calpain-10 Gene Polymorphisms and Type 2 Diabetes in West Africans.

## DEPARTMENT OF MICROBIOLOGY

### Overview

During the period September 2001 to August 2002, the department of Microbiology offered courses to diploma students, under graduates and post- graduates. We also offered remedial teaching to a batch of medical students from University of Development Studies (Tamale).

Staff members carried out research in several areas of Virology & Bacteriology. We also had collaborative research with other departments in the Medical School - Child Health and Obstetrics and Gynaecology. and also the University of Ghana Dental School.

General clinical microbiological support was provided for Korle Bu Teaching Hospital in the form of diagnostic services and consultations on various issues. Other hospitals and health institutions in the Greater Accra Region also benefited from these services.

Although we have managed to successfully complete teaching of all courses, the workload on staff is very high, in addition major illness in one professor seriously affected our programmes.

We generated some income through consultancies for private medical practitioners and some industries in Accra.

### Staffing Position

Senior Members	-	6
Senior Staff	-	12
Junior Staff	-	9

### Courses Taught/Number of Students

BSc. Medical. Sciences	-	102
BSc. Med. Lab (Allied Health Sciences)	-	11
Diploma in Anaesthesia	-	9
Dip. Medical Lab. Technology	-	9
Mphil Biomedical Sciences	-	5
Ph. D	-	2

### Staff List

Prof. Mercy J Newman	Head of Department (Bacteriology)
Prof Reginald K Anteson	Parasitology Unit (Part-time)
Mr. Patrick F Ayeh-Kumi	" (On study leave)
Prof Julius A A Mingle	Virology Unit (Part-time)
Dr. Theophilus K Adiku	"
Mr. Kwamena W C Sagoe	"

### Research in the Department

- Dual HIV-1/HIV-2 Seropositivity and infection
- Improvement of serodiagnostic for HIV infection among blood donors and HIV seropositives
- Protective mechanisms of uninfected spouses against HIV infection, in HIV discordant couples
- Aetiology and pre-disposing factors influencing the severity of acute lower respiratory tract infections among children less than five years in Accra, Ghana. This project involves isolation and identification of viral and bacterial agents involved in this disease.
- A prospective survey of cryptosporidiosis in HIV/AIDS patients and children/adults with diarrhoea in Ghana. This study is aimed at defining clinical aspects of disease symptoms of human cryptosporidiosis in Ghanaian

children, adult and HIV/AIDS patients. It is also aimed at determining the seasonal influence on the prevalence of cryptosporidiosis, as well as the frequency and type of concomitant enteropathogen association with cryptosporidium infection in these patients.

- Development of potential candidate antigens for protection against schistosomiasis.
- Microbial colonization study – The quantitative nature of the vaginal flora as a factor in the development of symptoms.
- Oral mycoflora in AIDS/HIV patients.
- Resistance to antimicrobial drugs in Ghana. Collecting bacterial isolates from ten regions of Ghana and identify multiple resistant strains and detect Minimum Inhibition Concentration (MIC) to various antibiotics.
- Genital and intestinal carriage of Group B Streptococcus during pregnancy.

### **Conferences/Seminars/Workshops**

#### **Newman, M.J.**

- Resource person: Seminar on HIV/AIDS Trinity College Accra Topic: The churches' response to HIV/AIDS

#### **Mingle, J.A.A.**

- Resource Person: National Symposium (Northern Sector) by Ghana Medical Association on Management of Liver Diseases at Kumasi-December 6th 2001 Topic: Viral Diseases of the Liver

#### **Adiku, T.K.**

- The role of Biotechnology in Public Health; 3rd December 2002 at Teachers hall, GNAT Headquarters, Accra

#### **Sagoe, K.W.C.**

- Workshop on Nutrition in HIV infection: Assessment and Treatment strategies with an emphasis on body composition evaluation. Noguchi Memorial Institute for Medical Research, Accra, Ghana. 20th – 21st August 2002
- Meetings of African Scientists working on poverty related diseases–HIV/AIDS, malaria and tuberculosis, 27th – 29th June, Accra, Ghana
- Presentation: characterisation of dual HIV-1/HIV-2 Seropositivity and infection in Ghana; Oral presentation at the 2nd Annual Research Meeting at the NIMIMR, Legon. Theme: Control of endemic diseases: bridging the research policy divide special focus on HIV/AIDS and malariae

### **Publications**

#### **Newman, M.J. and Seidu, A.**

- Carriage of Antibiotic resistant E coli in adult intestinal flora, *West African Medical J* 2002(1) 48-50

## **Extension Work**

### **Newman, J.M.**

- Editor Ghana Medical Journal
- Member- Prisons Advisory Committee
- Member -National Advisory Experts Committee on Management of MDR-TB
- External Examiner in Microbiology- School of Medical Sciences, KNUST

### **Mingle, J.A.A.**

- External Examiner in Microbiology – School of Medical Sciences, KNUST
- External Examiner – Department of Pharmaceutics, Faculty of Pharmacy KNUST Kumasi
- External Examiner – College of Medicine and Allied Sciences University of Sierra Leone
- Reviewer – Ghana Medical Journal
- Member, National Certification Committee for Polio Eradication
- Chairman, National Task Force for Laboratory Containment of Wild Polio Viruses
- Member: Committee for Development of Quality Assurance Guidelines for HIV Testing

### **Adiku, T.K.**

- Member, National Expert Committee of Poliomyelitis Eradication for Africa Region

### **Visitors**

Drs Max Arens and Greg Storch, Washington University School of Medicine, St. Louis, Missouri, U.S.A.

Drs. Kathleen Holloway and Jay Wenger M.D., World Health Organization, Switzerland.

### **Benefactors**

Prof. Richard Guerrant of University of Virginia Charlottesville made a donation of 2 volumes of books to the Department.

Cocoa Processing Company (CPC) donated Fifty million cedis (¢50,000,000.00) to Microbiology for refurbishment of Virology Laboratory.

## **DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY**

### **Overview**

Teaching and training of undergraduate medical students and postgraduate doctors continue to be the main objective of the Department. In addition to the academic work, the Department offers obstetric and gynecological services to the

patients who attend the Korle-Bu Teaching Hospital. Since July 1997 some senior members of staff have been offering specialist services to the Legon Hospital.

### **Courses Taught/No. of Students**

MB ChB Final Part 1 – 69 Students

The medical students were divided into two groups, namely, junior and senior clerkships for specific courses including lectures, seminars, tutorials, ward rounds, bedside teaching and emergency duties. Before the medical students took the Final Part I MB ChB examination they were given two weeks revision course.

### **Fellow of the West African College of Surgeons (FWACS) Examination in October 2002**

Out of 23 postgraduate doctors, one candidate presented for the Final Part II passed the exams. None of the 2 candidates presented for the Final Part I passed the exams. Two out of five candidates presented for the Primary passed the exams. The Department has therefore produced 1 more specialist doctor for Ghana.

### **Overseas and District Rotations for Residents**

Dr. E.K. Srofenyoh is yet to go on his overseas rotation. Dr. K. Buntugu is the next to go for his district rotation at Nkawkaw Holy Family Hospital for six months.

The following are employee of the Medical School.

Dr. E.Y. Kwawukume	-	Senior Lecturer/Head of Department
Prof. C.A. Klufio	-	Associate Professor
Dr. J.B. Wilson	-	Senior Lecturer
Dr. A.H.K. Collison	-	Senior Lecturer
Dr. J.O. Armah	-	Senior Lecturer
Dr. A.T. Lassey	-	Senior Lecturer
Dr. K. Nkyekyer	-	Senior Lecturer
Dr. S.A. Obed	-	Senior Lecturer
Dr. S.D. Seffah	-	Senior Lecturer
Dr. K.A. Apea-Kubi	-	Lecturer
Dr. B.D.R.T. Annan	-	Lecturer
Dr. R.A. Kwame-Aryee	-	Lecturer
Dr. N.K.R. Damale	-	Lecturer
Dr. E.N. Mahama retired voluntarily from the service of the University this year. (October 2002)		

The following Specialists are employed by the Ministry of Health:-

Dr. E.D. Nelson	-	On Contract
Dr. C.F. Peterson		
Dr. Ali Samba		
Dr. G.A. Arthur		
Dr. R.M.K. Adanu		
Dr. H.N.O. Laryea	-	Passed the Final FWACS in October 2002

### Senior Staff

Mr. I.K. Appiah-Agyekum	-	Senior Library Assistant
Mrs. Mercy J. Sarpeh	-	Administrative Assistant
Ms. Mispah B. Amoah	-	Administrative Assistant

### Junior Staff

Ms. Pearl Amanfu	-	Clerk Grade II
Ms. Ruby C. Yomekpe	-	Technical Assistant Grade III
Mr. Gorge Frimpong	-	Driver Grade II
Mr. S.K. Commey	-	Driver Grade II
Mr. Seth Mensah	-	Messenger

### Examination

December 2001	-	MB ChB Final Part I
No. of Candidates	-	69
No. of Passes	-	65
Distinction	-	Nil
Credit	-	2

### Research in the Department

- Maternal Mortality Operations
- Vertical Transmission Hepatitis B
- Obstetrics/Gynaecology Ultrasonography
- Gynaecology Oncology
- Acceptance of Manual Vacuum Aspiration for Management of Incomplete Abortion
- Colposcopic Assessment of the Cervix

### Publications

#### Seffah, J.D.

- Ruptured uterus and the partograph In Print: *International Journal of Gynaecology and Obstetrics* 2002.

#### Samba, A.

- Contributed 3 Chapters to *Comprehensive Obstetrics in the Tropics*

#### Kwawukume, E.Y.

- Myomectomy during Casarean section. *International Journal of Gynaecology and Obstetrics* 2002.

#### Kwawukume, E.Y. and Emuveyan, E.E.

- (Editors) *Comprehensive Obstetrics in the Tropics* 2002. Publishers Asante & Hittscher Printing Press Ltd. Accra Ghana 2002.

**Obed, S.A. and Adanu, R.K.**

- Ruptured uterus at the Korle Bu Teaching Hospital, Accra, Ghana.
  - Safer Childbirth 2001 2:3-6 *Int. J. Gynecol. Obstet* 2001; 73-253-255.
- Maternal Deaths from Hypertensive Diseases in Pregnancy.

**Obed, S.A.**

- Obstructed Labour, pp. 77-85
- Intra Uterine Foetal Death, pp. 193-197
- Preterm Labour, pp. 198-204

**Ekem, I. and Obed, S.A.**

- Anaemia in Pregnancy, pp. 299-302.

**Conference/Seminar/Workshops**

**Seffah, J.D.**

- HIV/AIDS – Knowledge Attitude and Practices among Obstetrician/ Gynaecologists at the Korle Bu Teaching Hospital. Presented at the West African College of Surgeons meeting in Yaounde, Cameroon in February 2002.
- Conference on Strategic Approach to Health care delivery organized by the Population Council/WHO in Nyeri, Kenya in November 2002.

**Kwame-Aryee, R.A., Kwawukume, E.Y., Samba, A. and Arthur, J.A.**

- West African College of Surgeons Annual Conference Yaounde, Cameroon February 2002.

**Samba, A.**

- Review of Medical Reproductive Health Protocol for MOH – October 2002.
- Medical site visit and Training Workshop for Minilap under LA + Norplant – Engender Health. - September/October 2002
- National Safe Motherhood Annual Planning Meeting – January 2002.
- Outreach service to Nalerigu Baptist Medical Centre. VVF Project – August 2002.

**Kwawukume, E.Y.**

- WACS Conference in Yaounde, Cameroon – February 2002.

**Obed, S.A. and Kwawukume, E.Y.**

- 41st Scientific Meeting – West African College of Surgeons Nouakchott, Mauritanian Feb. 2001.

**Obed, S.A.**

- 16th International Federation of Gynaecologists and Obstetricians Congress. Washington DC USA September 2001.



**Obed, S.A., Samba, A., Apea-Kubi, K.A, Seffah, S.D. and Kwawukume, E.Y.**

- 8th Scientific Meeting. Society of Obstetricians and Gynecologists of Ghana, Accra – July 2002.

**Obed, S.A. and Kwawukume, E.Y.**

- Continuing Medical Education Program. Ghana Medical Association Accra, Ghana September 2002.

**Visitors**

- Professor Tim Johnson from Michigan University
- WHO President of Africa – Dr. Samba
- His Excellency President J.A. Kufuor
- The 1st Lady Her Excellency Mrs. Theresa Kufuor.

## DEPARTMENT OF PATHOLOGY

**Overview**

The past year was a very busy and challenging one for the Department with increased number of students, course loads and active research work.

The effective staff strength at senior member level was reduced by the appointment of Professor A. B. Akosa as the Director General of Ghana Health Service and Professor E. K. Wiredu as the Ag. Dean of the School of Allied Health Sciences. Our service workload in cytology, histopathology and autopsy pathology increased considerably. All senior members were heavily involved in extension service both in Ghana and the West African sub region, and have served on various committees of the University of Ghana Medical School (UGMS), School of Allied Health Sciences (SAHS), College of Health Sciences (CHS) and the University.

**Staff position of the Department**

**Senior members**

Dr. Y. Tettey	-	Senior Lecturer/Ag. Head of Department
Prof A.B. Akosa	-	Professor – On leave of absence
Prof E.K. Wiredu	-	Associate Professor – Ag. Dean, School of Allied Health Sciences
Dr. R.K. Gyasi	-	Senior Lecturer
Dr. A.A. Adjei	-	Senior Research Fellow

The recommended staffing level for senior members is fourteen (14).

**Senior staff**

Mr. Fred Dzormeku	-	Supt. Technologist
Mr. E.A. Marley	-	Chief Technician – On post retirement contract.
Mr. K. Malm	-	Principal Technician
Mr. B.K. Archer	-	Senior Technician

### Junior Staff

Mrs. Emelia Abbeyquaye	-	Clerk Grade II
Ms. Gertrude Lodonu	-	Clerk grade II
Mr. S.K. Mensah	-	Laboratory Assistant Grade II

### Courses Taught

Course	Student Number
Level 400 B.Sc Med. Sc.	- 105
Level 400 U.D.S.	- 15
B.Sc/BA Nursing, NURS 301	- 65
DMLT	- 2
M. Phil Biomedical Sciences	- 8
Level 300 SAHS	- 11
MB. ChB (Part I) Forensic Pathology	- 76
MB. ChB (Part II) Autopsy Pathology	- 70
Postgraduate (Residency) programme	- 6
Postgraduate (Residents) from other Departments	- 5

The Department successfully completed all academic programmes for the year and contributed to the high pass rate at the primary examinations of the West African College of Surgeons and Physicians.

Professor J.O. Ogunbiyi from the University College Hospital, University of Ibadan, Nigeria, was our external examiner.

### Research

There has been a lot of research activity in the Department. On going research from the previous year were pursued and several new protocols submitted for approval and ethical consideration. Majority of the research work by M.Phil Biomedical Science students have been completed.

The major research works undertaken during the year include:

- Immunopathology of Fatal malaria in Ghanaian children.
- A study of human papilloma virus types in Ghanaian women and its association with cervical cancer.
- Assessment of the viability of adult onchocerca volvulus in tissue sections using enzyme histochemical demonstration of lactate dehydrogen activity.
- Prevalence of HBV and HCV in liver cirrhosis among Ghanaian patients.
- Causes of cardiomegaly in Ghana.

Work continues on the following:

- Prevalence of HIV, Hepatitis B and other Hepatitis viruses infection, tuberculosis and syphilis among prisoners in Accra, Ghana.
- Placental malaria
- Immunodiagnosis of tuberculosis

- Molecular mechanisms of HIV - I infection in immature and mature mononuclear cells.
- Prostate cancer in Ghana
- Breast cancer
- Oral tumours
- Postmortem as an epidemiologic tool.

## Publications

### Wiredu, E.K. and Nyame, P.K.

- Stroke mortality in Accra: A study of risk factors. *G.M.J* 2001 vol 35 (4), 155 - 161

### Akosa, A.B. and Kuma, L.K.

- Schistosomiasis of female genital tract. *Ghana Medical Journal (GMJ)* 2001 Vol 35 (4) 178 - 188.

### Obagimi, M.O., Nyame, P.K., Jumah, K.B. and Wiredu, E.K.

- Spontaneous intracranial haemorrhage: Computed tomographic pattern in Accra. *West African Journal of Medicine*, Vol 21 (1) 60 - 62.

### A.A. Adjei

- Dendritic cells are necessary for the induction of protective immunity against cryptosporidium parvum infection in dexamethasone - immunosuppressed mice *GMJ* 36; 124 - 130, 2002.

### Clegg-Lamptey, J.N.A., Tettey, Y., and Hodasi, W.

- Aorta - oesophageal fistula: An unusual case of fatal upper gastrointestinal bleeding. To be published in *Ghana Medical Journal*.

### Clegg-Lamptey, J.N.A., Tettey, Y., Wiredu, E.K. and Kwawukume, E.Y.

- Eosinophilic enteritis - A case report. To be published in *West African Journal of Medicine*.

### Parkins, G., Armah, G. and Tettey, Y.

- Oral tumours seen at Korle-Bu Teaching Hospital. A preliminary report. To be published in the *Ghana Medical Journal*, Vol. 36(4).

## Extension

Two Senior Members were external examiners for School of Medical Sciences, KNUST. Dr. R.K. Gyasi examined in special Pathology and Prof E.K. Wiredu examined in BSc Biological Sciences.

Senior Members continue to be very active in the West African College of Physicians (WACP). Dr. Y. Tettey continued to serve the College as the Secretary General and Prof E.K. Wiredu as the Secretary of the Faculty of Laboratory Medicine. Prof A.B.

Akosa, Prof E.K. Wiredu, Dr. Y. Tettey and Dr. R.K. Gyasi attended the 25th A.G.S.M. of the College in Freetown, Sierra Leone. Prof E.K. Wiredu continued to serve as the Secretary of the Ghana Chapter of the West African College of Physicians and Dr. R.K. Gyasi as the Secretary of the Faculty of Laboratory Medicine of the Ghana Chapter.

Dr. Y. Tettey continued as examiner in Histopathology at the Final Part I and II levels of the Fellowship examinations of the West African College of Physicians (WACP) and at the Primary level of the West African College of Surgeons' examination.

Prof A.B. Akosa, Prof E.K. Wiredu, Dr. Y. Tettey and Dr. R.K. Gyasi were resource persons at the Central Region Branch of the Ghana Medical Association's Continuing Medical Education Seminar on "Medico Legal issues."

Dr. A.A. Adjei and Dr. R.K. Gyasi attended a 2 - Day workshop on the effective use of "power point" at the College of Health Sciences, Korle-Bu; 30th - 31st July 2002.

Dr. A.A. Adjei attended the 2nd Annual Scientific meeting of Noguchi Memorial Institute for Medical Research, Legon; 18th to 20th September 2002.

Dr. A.A. Adjei attended the 7th International course for Clinical Immunology of Infectious Diseases and Introduction to Molecular Immunology at Ismailia, Egypt; 1st October to 4th November 2002.

Senior members also served on various policy formulating committees of the Ministry of Health and are currently working on a curriculum for autopsy technicians training programme.

## **DEPARTMENT OF PHARMACOLOGY**

### **Overview**

The year was quite uneventful with continued attrition of the infrastructure, sinking morale of faculty and poor performance of students in BSc. (Medical Science) Level 400 Pharmacology Examination. On a brighter note the Education Committee approved a M.Phil programme for students without pharmacology background and has accepted in principle the Department's proposal for the re-designation of BSc. (Medical Science) Pharmacology Courses.

Over the past two years, students' performance in the BSc. (Medical Science) Level 400 Pharmacology Examination has been on the decline. The 2001/2002 examination result was the worst since 1994/1995 academic year. Out of the 100 candidates presented for the Examination, 77 candidates (77%) passed, 21 (21%) were referred and 2 (2%) failed. At the Supplementary Examination, 2 out of the 21 candidates failed. Thus four students (4%) had to repeat Level 400 - two of the repeat students have to read only Pharmacology. Hitherto, the Department had not recorded any

student having to repeat pharmacology alone. Between 1995 and 1999, the failure rate had always been less than 2% and referral rate, 10%. However, distinctions (4%) and credits (4%) do not differ greatly from those recorded in the previous years.

A careful analysis of the results would seem to suggest that the Department has not been of great help to weak students over the past two years. Until two years ago, the Department consistently recorded the best examination results at the paraclinical level but now records the worst. The reason for this sudden change is not far fetched. In 1994, the Department submitted proposal for re-designation of courses and increase in the number of credits from 3 to 5 per Semester – pharmacology had always carried 5 credits (5-lecture hours/week) since the inception of the School but the Number of credit was reduced to 3 at the commencement of the Semester/Course Credit System because the Department then had only one academic staff. The proposal was accepted by the Para-clinical Interdepartmental Committee, and the Department was asked to proceed with the 5 hour lecture/week while the proposal was being sent to the Education Committee. For inexplicable reasons, the proposal was never sent to the Education Committee despite promptings by the Department. Meanwhile the Department gave 5 lectures per week during the tenure of three School Administrations until two years ago when the present Administration was ushered-in. Despite sound argument and advice given by the Department, the present School Administration went ahead to reduce the teaching hours from five to four for each semester to reflect the revised number of credits allotted to pharmacology. The contact-time with students was thus reduced. Again the Department was compelled to offer one course instead of two courses in each semester. As a corollary, students have to take only one paper instead of two papers in the End-of-Semester Examinations. Because the volume of subject material has remained about the same, students had to contend with relatively large work load in one paper which, obviously, put the weak students at great disadvantage. Moreso, a large proportion of topics taught could not be covered in one examination paper.

The academic staff strength remained stable. The Department started the year with five permanent staff and two part-time staff, giving student-to-teacher ratio of 14:1. This, of course, reduced the burden of marking 100 practicals reports over every weekend. However, the technical unit remained understaffed – one each of chief technician, principal technician, senior technician and technician is grossly inadequate for the conduct of a practical class of 100 students. Nonetheless, it remains the policy of the Department not to recruit more technicians while research activity is at low key.

The M.Phil post-graduate programme, started two years ago, is in progress and, hopefully, the only student enrolled will complete the course in August 2003. The present M.Phil programme, which was foisted on the Department to run, has proved not to be cost effective and sustainable for the development of academic staff. Reliance of the Department on graduate students from other Departments for enrolment into the programme created problems rather than facilitating the running of the programme. It is now crystal clear that, for the success of developing

academic staff, the postgraduate programme should be pivoted on BSc. Pharmacology undergraduate programme as proposed by the Department at the outset of the postgraduate programme. In this regard, the proposal for BSc. Pharmacology programme submitted by the Department in 1998, but rejected by the Education Committee, should be revisited.

The lack of vibrant research activity has been a major concern to the Department. Without any research equipment, faculty cannot conduct research work. Consequently, faculty cannot publish papers and be promoted irrespective of the contribution to teaching and development of the Department. This undermines the morale of faculty which, in turn, has a negative impact on the development of the Department. The only way faculty can gain promotion is to travel outside and do research work at the expense of teaching students. Indeed, a senior member whose promotion to the grade of Senior Lecturer was not approved because of inadequate number of publications recently applied for study leave and is now in US. It is doubtful whether he will return to the Department considering the traumatic experience he had to go through. Meanwhile, his teaching load has been assigned to another lecturer of junior rank with very little expertise in the areas covered by the former.

The inability of faculty to earn promotion because of inadequate number of publication needs to be addressed by the University as soon as practicable. The Medical School expects faculty to publish papers before promotion is earned yet the Department has no research equipment. The School, in the past, has not fostered a congenial milieu for the Department to acquire research equipment. In 1997/98, after the Department had taken bold initiative to source funds (US\$500,000) for the purchase of research equipment and one hundred and eighteen thousand dollars (US\$118,000) to install internet connectivity with Departments of Pharmacology (University of Cape Town, King's College, London) for research work and local training of academic staff, the School Administration scuttled the launching of the projects at the last hour. The School Administration, by this singular act, thus denied faculty the opportunity to conduct research work.

The income - generating activity has come to a halt. This has been occasioned by the ineffective supervision by the School Administration which took over the running of the photocopier service from the Department four years ago. It is on record that the Department bought another brand new photocopier machine and left a credit balance of about five million cedis during the two years that it ran the photocopier service.

#### **Staffing Position**

Academic/Research Staff	-	7
Senior Staff	-	4
Junior Staff	-	2

### **Course Taught/Number of Students**

Medicine  
B.Sc. (Medical Science) Level 400 - 89

Dentistry  
B.Sc. (Medical Science) Level 400 - 11

University of Development Studies (UDS) Programme  
B.Sc. (Medical Science) Level 400 - 35

### **Research in the Department**

1. Screening of medicinal plants for their therapeutic potential.
2. Screening of foods of animal origin for antimicrobial residues.
3. Anti-malarial sensitivity testing.

### **Conferences/Seminars/Workshops**

#### **Prempeh, A.B.A., Bugyei, K., Sackeyfio, A.C. and Larbi, S.O.**

- Performance-Based Training Workshop on the use of "power point" for Senior Administrative Staff August 26 to August 30, 2002 College of Health Sciences, Charles Easmon Building

### **Visitors**

Prof. K. K. Adjepon-Yamoah, Former Head, Department of Pharmacology, U.G.M.S., served as External Examiner for the B.Sc. (Medical Science) Level 400 Examination in Pharmacology.

## **DEPARTMENT OF PHYSIOLOGY**

### **Overview**

The staffing situation remains precarious. While Dr. D.A. Antwi rescinded his decision to go on early retirement, Dr. I.F.A. Hesse left the department for full-time appointment as Senior Lecturer in the Department of Medicine. Prof. S.K. Addae ended his post-retirement contract and has ceased to be part of the department.

Prof. Dexter Speck is scheduled to join the Department on part time basis for the 2002/2003 academic year. We have also been joined by Prof. Festus Adzaku an old staffer as Visiting Scholar. Efforts need to be intensified on all fronts to recruit and sustain the academic staff levels to keep the Department going. Regarding non-teaching staff, we are still below the establishment in all categories.

We had only one new appointment in the non-teaching category. Special attention must also be given to this category of staff to ensure that optimal technical and secretarial support is available to run the department.

## Staffing Position

### Teaching Staff

1.	Professor	-	0
2.	Visiting Scholar	-	1
3.	Senior Lecturers	-	2
4.	Lecturer	-	0

### Non-Teaching Staff

1.	Senior Research Assistant	-	1
2.	Chief Technician	-	1
3.	Principal Technician	-	1
4.	Technician	-	1
5.	Administration Asst.	-	1
6.	Assistant Technician	-	1
7.	Messenger/Cleaner	-	1

### Courses Taught/Number of Students

- BSc (Medical Science) Level 300

Course		No. of Students
PHYG. 301	-	104
PHYG. 302	-	104
PHYG. 304	-	104
PHYG. 306	-	104
PHYG. 308	-	104

### Revision for UDS (School of Medicine & Health Sc.) Level 300

PHYG 301-308	-	35
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### Diploma in Medical Laboratory Technology

PHYG 001-8	-	24
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## Research

Members continued research in the following areas

- The reno-humoral basis of familial hypertension in the Ghanaian
- Effect of exercise on respiratory function in Ghanaian Children
- Sensorineural hearing loss in "At Risk" Ghana Patients

## Publications

### Antwi, D.A., Asiedu-Gyekye I.J. and Atsina, K-K

- Ventromedial hypothalamic lesions increase glycogen levels in pre-obese animals. *J. Ghana Sci. Assoc.* 2002, 4(1) In Press.



**Asiedu-Gyekye, I.J., Antwi, D.A. and Tete-Donkor, D.**

- Some effects of the medicinal plant *Kalanchoe Pinnata*. *Discov. Innov.* 2002, 14 (1/2): 102 – 106

**Antwi, D.A.**

- Effect of insulin treatment on glycogen levels in rat adipose tissue *J. Ghana Sci. Assoc.*, 2002, 3 (3): 1-5

**Conferences/Seminars/Workshops**

**Antwi, D.A., Tete-Donkor, D. and Clottey, M.**

- (Abst.) Improvement of plasma lipid profile by regular physical activity in Ghanaian males (Abst.). Paper read at 22nd Biennial Conference of the Ghana Science Association, Cape Coast, Ghana. From 5th – 9th August, 2001. *J. Ghana Science Association*.

**Benefactions**

Lighthouse Chapel donated to the Department, a mini Satellite Dish in response to an appeal in connection with the plans of the Department for full Intranet an Internet connectivity. The Dean subsequently received the equipment on behalf of the UGMS.

**DEPARTMENT OF PSYCHIATRY**

**Overview**

The Academic Department of Psychiatry continues to be located in the Accra Psychiatric Hospital, Asylum Down with the usual problems thereto associated. However with the increasing numbers of intake of students at the Medical School, the Medical School has embarked on improving teaching facilities at the Accra Psychiatric Hospital for our students.

**Staffing Position**

One Associate Professor on Contract	-	Dr. S.N.A. Turkson
One Associate Professor on part-time	-	Dr. C.C. Adomakoh
Two Senior Lecturers	-	Dr. Isaac Ewusi-Mensah and Dr. Araba Sefa-Dedeh (Clinical Psychologist)
Two Lecturers	-	Dr. Sammy Ohene and Dr. Angela L. Ofori-Atta

They are assisted by Mr. Nortey Dua, Senior Research Assistant

However, Student numbers continue to increase

<b>Courses Taught:</b>	<b>Student Numbers</b>
Psychosocial Paediatrics (Child Psychiatry)	70
Dept. of Medicine (Medical Ethics)	70
Structured Lectures at Korle Bu (1 hr/week for 20 weeks)	70
Tutorials at the Accra Psychiatric Hospital	
Junior Clerkship	
61/2 hours per week for 24 weeks: Three groups on 8 weekly rotations	
Senior Clerkship	73
5 hours per day for 4 weeks	
Clinical Psychology	JC 70      SC 73
Psych. 201	106
Community Health	70

### **Research in the Department**

Whilst each Senior Member has pursued individual research of his/her own special interest, I am pleased to report that Research Activities have increased in the Department during the year under review and all research activities are relevant to Psychiatry in this country and the sub-region.

These include

- AUDIT study of alcohol use and abuse in Accra (Ghana)
- Societal and Health Aspects of alcohol abuse in Ghana
- Childhood and Adolescent Epilepsy in Ghana - Revisited
- Youth First Episode Psychosis Prevention and Intervention
- Depressive Disorders in Accra (Ghana): common core symptomatology
- Belief systems in Ghana and Psychiatric Disorders
- Children formally referred to a General Adult Psychiatric Service

Continuing work in the Department - Continuous Mental Health Education to the General Public.

### **Publications**

#### **Ewusi-Mensah, I.**

- A computerized tomography study of brain atrophy and liver disease in alcoholics - submitted to *BMJ* for consideration to be published.
- Neuroleptic Malignant Syndrome - A case study - submitted for publication in *American Journal of Psychiatry*.
- Abolishing Self-Injurious Behaviour (S.I.B.) with an Opiate Antagonist - submitted to Ghana Medical Journal for publication.

## Conferences/Workshops/Seminars

### Ohene, S.

- The American Psychiatrist Association Annual General/Scientific Meeting in May 2001.

### Benefactions

A number of Psychiatry Textbooks and Journals to replenish our Library and Teaching Aids from our postgraduate students abroad, who had started their Psychiatry training from the Department notably among them are Dr. V.C. Doku, Dr. D. Gboloo-Teye and Paul Koranteng.

## DEPARTMENT OF RADIOLOGY

### Overview

The Department of Radiology at the Korle-Bu Teaching Hospital has four (4) general purposes radiography equipment, tomography unit, 3 fluoroscopic screening machines, angiography, ultrasound and computed tomography CT suite. In addition the chest clinic and the Korle-Bu Polyclinic have general-purpose equipments. There are two mobile machines and one dental equipment.

### Staffing Position

Academic/Research Staff	-	3	(Prof. K.B. Jumah) (Dr. A.A. Yeboah) (Dr. W.O. Brakohiapa) [Contract]
Senior Staff	-	Nil	
Junior Staff	-	1	

### Courses Taught/No. of Students

Level 300	Nil
Level 400	Nil
1st Clinical Year	Nil
2nd Clinical Year	80
3rd Clinical Year	80

### Research in the Department

#### Jumah, K.B.

- Bone Age Atlas in West Africans
- Atlas in Tropical Radiology

#### Yeboah, A.A.

- Value of Brain CT in patients with seizures

## Publications

### **Jumah, K.B., Nyame, P.K., K.B. and Adjei, S.**

- Computerised Tomography Scan of the Head in the evaluation of strokes in Ghanaians. *East African Medical Journal*. Vol. 75. No.11 November 1998.

### **Jumah, K.B., Badoe, E.A. Acheampong E. Q.**

- Principles and Practice of Surgery including Pathology in the Tropics. Chapter on Ultrasound Scanning.

### **Jumah, K.B.**

- Computerised Tomography and Magnetic Resonance Imaging.
- Guidelines in Radiation Protection. Ghana Atomic Energy Commission and the International Atomic Energy Commission - Co-editor.

### **Jumah, K.B. and Yeboah, A.A.**

- Hirsprungs Disease in Ghanaian Children A ten-year Review 2001 *Year book of Paediatric Radiology. Current Problems of Paediatric Radiology* Vol. 12-1 Feb. 2001: 3-7.
- Case Report - Calcification of Posterior Urethral Valve. A ten-year review - 2001 *Year Book of Paediatric Radiology Current Problems of Paediatric Radiology* Vol. 12 - 13, Feb. 2001, 37-39.

### **Obajimi, M.O., Jumah, K.B. et al**

- Spontaneous Intracranial Haemorrhage. CT Pattern in Accra. Accepted for publication. *West African Journal of Medicine*.

### **Jumah, K.B., Brakohiapa, W.O., Obajimi, M.D., Armah, J.O. and Seffah, J.D.**

- Training of Non-Radiologist Medical doctors in Ultrasound in Ghana. *Ghana Medical Journal* Vol.35 No. 2 June 2001 66-74.

### **Obajimi, M.O., Jumah, K.B., Brakohiapa, W.O. and Iddrisu, M.**

- Head Injury in Ghanaians. Evaluation by Computed Tomography. *Ghana Medical Journal*, Vol. 35 No. 2 June 2001 69-74.

## Conferences/Seminars/Workshops

### **Brakohiapa, W.O.**

- Annual Scientific Meeting. West African College of Surgeons. Nockshot, Mauritania, February 2001.
- Co-ordinator for National Training programme for Obstetrics Ultrasound October, 2000
- Radiological Society of North America Conference Chicago, U.S.A. December, 2000.
- Teaching The Teacher's Programme in Ultrasonography in Jefferson University - Philadelphia - U.S.A. June 2001.

## **Yeboah, A.A.**

- Radiological Conference in Abuja, Nigeria July, 2001. Paediatric Radiology Conference in Budapest Hungary October 2001.

## **DEPARTMENT OF SURGERY**

### **Overview**

During the year under review, the Department of Surgery continued to discharge its duties satisfactorily. The head of the department, Prof. K Frimpong-Boateng, was appointed the Chief Executive of Korle Bu Teaching Hospital. He is the first alumnus of the Ghana Medical School to be appointed to this high office of the premier and largest hospital in the country. We of the Department of Surgery are proud of him and we send our congratulations to him. Even though the period of his headship was short he has left his mark in the department.

Mr. Rudolph Darko, a Senior lecturer was appointed the head with effect from 1st October 2002.

### **Staffing Position**

During the 2001/2002 academic year, 2 Senior members who were retired were re-engaged under contract. These were Mr. A G Laing of the Plastic, Reconstructive and Burn unit and Dr. J. Danso-Adams of the ENT unit. Mr. Gepi-Attee took up his position as Lecturer in the Urology unit and we welcome him to the department.

### **Courses Taught and the Number of Students**

The department continued to teach both undergraduates and postgraduates. We continued to receive worldwide recognition as we are seeing increasing number of overseas students coming to the department for electives. The number of post-graduate residents also continued to increase. In the year under review, the department received 43 elective students. The students came from the following countries: Germany, United Kingdom, United States, Sierra Leone, Nigeria, Austria, Canada, Norway, France, Sweden and Australia. The following are the group of students in the department:

### **Undergraduates**

Introductory Course	-	106 students
Co-ordinated Course	-	106 students
Subinterns	-	70 students
Elective (Overseas) students	-	43 students

Postgraduate Students (RESIDENTS) 41

### **Extension Services**

The income from the extension services provided by the Department continued to increase and sum accrued is being used to improve the degenerating infrastructure

in the Department. Some members of staff continued to offer services to the University Hospital in Legon.

### **Conferences/Seminars/Workshops**

Members of the Department attended a number of national conferences, seminars and workshops and presented papers. At the 42nd Annual conference of the West African College of Surgeons held in Younde Cameroon from the 16th to the 23rd of February 2002 the following papers were presented by members of the Department.

At the 11th Annual meeting and 21st Scientific conference of the Ghana Surgical Research Society held at the Komfo Anokye Teaching Hospital, Kumasi, on Saturday the 8th of December 2001, the following papers were presented by members of the department:

#### **Laing, A.G.**

- Radial forearm flap modification for salvaging the thumb
- Nostril stenosis, a plea for prevention.

#### **Hesse, A.J. and Apeadu-Mensah**

- An Atypical presentation of HIV in children at the Korle Bu Teaching Hospital.

#### **Kitcher ED.**

- Impacted foreign bodies in the pharynx and oesophagus, Review of cases at the Korle-Bu Teaching Hospital.

#### **Akafu, S.K.**

- Diabetic retinopathy, a new emerging cause of avoidable blindness

#### **Darko, R.**

- Is there a place for iodine in the management of benign non-toxic goiters?

#### **Aduful HK.**

- Anal foreign bodies as a cause of anal pain.
- Inflammatory bowel disease, is it here to stay?

#### **Darko R.**

- Is there a place for iodine in the management of benign non-toxic goiters?

#### **Ntim-Amponsah, C.**

- Evaluation of risk factors for advanced glaucoma in Ghanaian patients

#### **Frimpong-Boateng, K.**

- 31st Annual Scientific conference of the Nigeria Cardiac Society. Paper presented: The future of Cardiac Surgery in Africa

## Visitors

Accreditation visit of representatives of the West African College of Surgeons to the Department, 30th October 2002. Prof F A Nwako, Prof ED Yeboah, Prof J T da Rocha, and Prof A A Out visited the department during their assessment of the department and the Korle-Bu Teaching Hospital for the training of residents in Surgery.

14th and 15th March 2002, some members of the Overseas Fellowship group of the Association of Surgeons of Great Britain and Ireland visited the department. They were:

1. Mr. Bob Lane.(FRCS) Leader
2. Mr. Mike Beverly. (FRCS)
3. Mr. John Rennie (FRCS).
4. Mr. Alberic Twistleton-Fieannes (FRCS)
5. Ms. Bernice Fibeiro Past President of ASGBI

They were the overseas resource persons of the course in Surgical Skills attended by 22 residents.

The local resource persons included

1. Mr. JN Clegg-Lamprey
2. Mr. HK Aduful
3. Mr. R Darko
4. Mr. EK Osei
5. Dr. N Adu-Aryee

5-26 April 2002, Marjorie Ratel- Neuro intensive Care Nurse and Chairperson of the Vancouver-Korle-Bu Neurosciences project.

Dave Hiebert- NeuroScientist and Executive Committee member, Vancouver- Korle Bu Neurosciences Project

30th April - 1st July 2002. Dr Paul Turner visited under the auspices of Federation for International Education Neurological Surgery (FIENS)

12th -19th April 2002. Dr. Benard Rawlings, a Spinal Orthopaedic Surgeon. 9th August -3rd September 2002 Dr. Olegum Lergmo, from Bakesfield, California U.S.A.

## **MEDICAL SCHOOL LIBRARY**

### **Overview**

The year began on a bright note with establishment of connectivity to the VSAT at Legon through radio communication. As a result, facilities such as literature searching on the web and quick document delivery which was available to staff on the main campus could be extended to students and senior members at Korle Bu. The euphoria around this development had hardly abated when a technical problem surfaced and this affected smooth use of the facility. The problem had not been solved by the end of the academic year.

Construction work continued on the library building. A portion of the ground floor earmarked for the Medical Illustration Unit, which forms part of the library, was completed for the unit to move in.

A generous grant from the Ghana Medical School Overseas Library Fund (Ghamsol Fund) established by former staff and alumni of UGMS working in Saudi Arabia made it possible to establish a cyber café. The erratic connectivity affected the smooth running of the café.

### **Access to Literature**

#### **Journals**

The Library subscribes to 16 current journals in broad areas of medicine. It receives additional 36 current titles as gifts from individuals (alumni), institutions and societies.

A Programme for the Enhancement of Research Information (PERI), a DANIDA/INASP (International Network for the Availability of Scientific Publications) funded initiative enables the library to access a number of scholarly journals online and acquire full text of some publications. This arrangement provides the Library access to over 800 biomedical journals. The Library and the School was unable to make optimum use of the facility due to poor Internet connectivity.

#### **Books**

A total of 1071 volumes made up of 1050 titles were added to the book stock. The School purchased 72 volumes. The rest were donations from institutions and societies. The total stock of the Library is now 52,183.

### **Services**

#### **Literature Search**

A total of 1201 literature searches were conducted by staff for clients using the PERI databases and the Library's own CD-ROM facilities.

#### **Preparation of Manuscripts**

Assistance was offered to senior Members and residents in the preparation of manuscripts and theses. This took the form of checking references and reference



citation, advising on publishing house styles and guidance on proof reading symbols.

### **Computer Literacy**

The Computer Assisted Learning Unit organized computer literacy classes for 175 participants. The course covered Introduction to Windows, Word, Excel and PowerPoint presentation.

### **Staffing Position**

#### **Appointments**

Two Senior Members were appointed:

Mr. Solomon B. Sulemani - Assistant Librarian  
Mr. Samuel B. Aggrey - Junior Assistant Librarian

### **Training**

Mr. S.B. Aggrey undertook a six week part-time hands-on-training in Network Support and Administration from 9th September – 16th October, 2002.

### **Conferences/Seminars/Workshops attended**

#### **Sulemani, S.B.**

- Seminar on Information and Records Management, 22-24 May, 2002.
- Seminar on Electronic Resources Library Management, 15-19th July, 2002.

### **Benefactors**

Book Donations  
World Vision  
African Literature Project  
Ministry of Health, Ghana  
British Medical Association Library

### **Computers**

Ghansol Fund (The Ghana Medical School Overseas Library Fund) €50,000,000.00  
for a Cyber Café

# SCHOOL OF PUBLIC HEALTH

## Overview

As part of its mandate, the School of Public Health continued working towards the achievement of its major objectives of producing public health practitioners capable of providing effective leadership, diagnosing community health problems as well as planning and organizing effective measures for solving community health problems. The School also undertook research activities in the year under review.

The Directorship of the School changed in October 2002 when the acting Director Dr. F. K. Wurapa formally handed over to the substantive Director Professor Isabella A. Quakyi.

## Courses

### Master of Public Health (MPH) Programme

The School offered the twelve-month MPH Programme (September to August) as the main course run by the School. Students admitted into M.Phil and PhD programmes continued to work on their theses.

### Intake for the 2001/2002 Academic Year

The School admitted 26 applicants for the MPH Programme for the 2001/2002 academic year. The 26 were made up of Physicians, Graduate Nurses, Pharmacists and Social Scientists.

With the graduation of this batch of residents, 130 people have so far graduated from the School's Programme. Half of these graduates are Physicians and the rest have Nursing, Social Science and Pharmacy backgrounds.

At the post-MPH level, eight students are undertaking the M.Phil and two enrolled in the Ph.D Programme of the School.

### Details of MPH Admissions for the 2001/2002 Academic year

Doctors	12
Nurses	5
Pharmacists	2
Dentist	1
Social Scientists	6
Total	26
No. of females	11
No. of Males	15
Total	26
<b>M.Phil /Ph.D candidates</b>	
Social Scientist	2

Scientist	1
Physicians	4
Nurse	1
Total	8

(\*Including one Ph.D candidate)

### **Short Courses**

The School mounts short courses in response to specific needs of the Ministry of Health and other agencies. Such courses take place during the field practice period when MPH students are away in the districts. However, the third of the regularly run short course of the School, the Social Mobilization course which was first organized in the 1998/99 in collaboration with UNICEF, was successfully run in the academic year. Another short course planned by the School is the Management of District Health System, Maternal and Family Planning and Child Health Services.

### **Short Course On Social Mobilisation For Health And Development**

This six -week course is run annually by the School and the year under review saw the fourth in the series. The aim of the course is to improve the capacity of national personnel in Anglophone Sub-Saharan Africa to respond effectively to the social mobilisation needs of national development programmes.

The course was initiated by the School in collaboration with UNICEF who sponsored the first course. Since then, the course has been self- sustaining. Since its inception, it has trained a total of one hundred and fifteen (115) experts, who have been provided with requisite skills in social mobilisation. Demand for the course has been rising yearly with the 2002 course having forty participants compared to thirteen at the first course. Some foreign nationals who have benefited from this course have come from Nigeria, Liberia, Togo, Namibia and Kenya.

Course evaluations have indicated participants' appreciation for the course in terms of the course having an impact on their career development, the organisation of the course in general and above all, the hospitable and friendly environment of the University, the venue for the programme. Participants have year after year recommended that the course be upgraded to a diploma-awarding course, that can be taken during the long vacation within a period of 3 years.

### **National Diploma in Public Health (NDPH)**

The National Diploma in Public Health (NDPH) Programme, which is being developed in the context of an on-going capacity building reform programme, is still on the drawing board. It is being developed for further training of health professionals who possess post-secondary qualifications and a number of years working experience in professional areas related to health.

### **Other Relevant Courses**

The School continues to put in place structures to assist in the near future, the preparation of physician candidates for professional examinations such as the

Fellowship Programme of the West African Postgraduate Medical College.

## **Staffing**

### **Permanent Academic Staff**

The number of permanent lecturers on the academic staff of the School stood at three in the year under review.

However, efforts have been stepped up towards the recruitment of the full complement of academic staff with the requisite backgrounds, to move the teaching and research programmes of the School forward. Under the Staff Development Initiative of the School, action has been initiated at the recruitment of new faculty members. The College of Health Science has approved the appointment of five permanent lecturers into the five proposed Departments. The appointment of one permanent academic staff in the area of Occupational Health has been initiated.

### **Part-Time Academic Staff**

There are 35 part-time teachers drawn mostly from relevant Schools, Institutes and Departments of the University of Ghana. Other experts from outside the university are drawn from GIMPA, the Ministries of Health, Local Government and Rural Development and the National Population Council. Some other experts are also drawn from the Departments of Community Water and Sanitation, Waste Management Department of Accra Metropolitan Assembly, the Centre for Occupational and Environmental Health and Unilever Ghana Limited.

These experts from outside the School teach in various fields including Biostatistics, Disease Control, Veterinary Science, Epidemiology, Maternal and Child Health, Nutrition, Occupational Health and Social Sciences. The inputs of part-time teachers drawn from such a wide spectrum relevant to public health bring a rich blend of skills to bear upon the training offered under the MPH Programme in the School.

Efforts are underway to formalize the relationship with Part-Time Teachers and to have a joint appointment with them to ensure their commitment to fit teaching appointments at UGSPH in their schedules. It is hoped that giving them formal appointments would raise their level of commitment to the work of the School.

Consideration is also being given to a joint appointment arrangement between UGSPH and the Ministry of Health to ensure recognition for the work of part-timers drawn from MOH, without duplicating emolument.

### **Field Practice**

As is the practice, various District Directors of Health Services in the UGSPH collaborating districts assisted in the supervision of students during the Field Practice phase of the MPH Programme covering a period of 17 weeks, ending in August 2002. Regional Directors of Health Services acted as back up Supervisors

to the District Directors who exercised direct supervision over the MPH Residents on Field Practice.

To ensure uniformity in supervision for the field practice component of the MPH Programme, the annual Supervisors' Orientation and Workshop was organized to discuss pertinent issues concerning field practice. Specialists from collaborating Research Centres, (Navrongo and Kintampo Health Research Centres) and MOH, participated in the orientation workshop.

The School plans to collaborate with MOH in developing selected field sites into "Centres of Excellence" in order to promote specialist training and research, apart from providing support for a more efficient field practice for students. In this regard, the School has reduced the number of field sites from 22 to 12 and is refurbishing the centers, providing the necessary plant and equipment, with MOH providing the requisite qualified personnel as laid out in a memorandum of understanding between the School and MOH.

### **Research**

The School undertook research on issues of immediate relevance to the development of effective health policies. The key research activities undertaken by the School are listed below.

#### **Child Health and Development (CHAD) Project**

The School conducted a study on some vital aspects of the growth and development of in and out-of-school children. These aspects include nutritional anthropometry, parasitology, hearing ability, health risk behaviour, their socio-economic background and some aspects of their biochemistry.

The project was conceived as a follow-up to the first phase of the School Age Child Health Initiative, which reviewed available literature on health, nutrition and development of school-age children in Ghana.

Data on about 2000 in-school children in 37 Basic Schools in the Greater Accra Region and 1000 out-of-school children in the same communities were gathered in 2002. These data have been analysed and report writing is on going. It is expected that findings will inform policy on the health status of this important group of children in Ghana.

#### **Student Dissertations**

MPH Residents worked on dissertations the topics of which were chosen in relation to the felt needs of the districts in which they undertook field practice.

Apart from research for their dissertation, MPH Residents also studied and wrote reports on health and management problems of relevance to the districts to which they were posted for field practice.

## **Foregin Relations**

The School continued to maintain the existing cordial relations established with a number of institutions, especially sister PSHWOWs. Key among these institutions are those in Africa especially, the Schools in Zimbabwe and Uganda.

The School continues to enjoy good relationship with DANIDA, Rockefeller Foundation and Clark Foundation as well as DFID and the relevant specialized organs of the UN namely WHO, UNICEF and UNFPA. Links exist between the School and leading British institutions such as the Liverpool School of Tropical Medicine, London School of Hygiene and Tropical Medicine.

## **Benefaction**

The School continued to receive some support from UNICEF Ghana in the organization of the Second Regional Social Mobilization Course run from June 5 to July 14,2001.

The building of the Gates Malaria Centre has continued on schedule. The contractor has almost completed work. He is now left with furnishing, electrical installation and the laboratory works. The Bill and Miranda Gates Foundation has made available to the School a grant to be disbursed over a period of five years. The grant is part of a larger fund given to the University of London School of Tropical Medicine to set up a Centre for the Prevention and Treatment of Malaria. The grant to the School provides, among other things, funds for the building of the first phase of permanent buildings for SPH that will include classroom facilities and a distance-learning Centre for work on malaria. Part of the grant will go into equipment for the new building.

The Gates Malaria Project-Ghana is to train personnel working in the health sector and offer support to the work of academics in the prevention and treatment of malaria for the West African sub-region. A Steering Committee based on a tripartite arrangement involving three collaborating institution has been set up. The partner institutions include NMIMR and MOH.

## **Publications**

**Quakyi, I.A. with Ryan JR, Dave K, Collins KM, Hochberg L, Sattabongkot J, Coleman RE, Dunton RF, Bangs MJ, Mbogo CM, Cooper RD, Schoeler GB, Rubio-Palis Y, Magris M, Romer LI, Padilla N, Bigoga J, Leke RG, Akinpelu O, Evans B, Walsey M, Patterson P, Wirtz RA, Chan AS.**

- Extensive multiple test centre evaluation of the VecTest malaria antigen panel assay. *Med Vet Entomol.* 2002; 16:321-7.

**Quakyi, I.A.**

- Ahlers JD. Assessing CD4+ helper T-lymphocyte responses by lymphoproliferation. *Methods Mol Med.* 2002;72:369-83

## Conferences/Seminars/Workshops

### Quakyi, I.A.

- September 2002 – Keynote address: at the Second Annual Research Meeting of the Noguchi Memorial Institute for the Medical Research. 18th – 19th Sept. 2002. ENTITLED: Renewed Vitality in the Global Fight Against Malaria.
- WHO/TDR Steering Committee for Research Strengthening Group (RSG), 27th Meeting of the RSG Geneva, Switzerland 11th – 15th February 2002.
- WHO/TDR Steering Committee on Vaccine Discovery Research (VDR), 6th Meeting, Geneva Switzerland and Farges, France 27th – 31st May 2002.
- WHO/TDR LAPDAP Public Health Meeting. Entebbe, Uganda. 19th – 12th July, 2002.
- WHO/TDR Steering Committee on Pathogenesis and applied Genomics, third meeting, 4th – 8th September 2002.
- Panel Member – Review of the Multilateral Initiative on Malaria (MIM), Fogarty International Center, National Institutes of Health Bethesda Maryland USA, September 30th – October 4th, 2002.
- Workshop on Strategic Planning and Institutional Capacity Building. College of Health Sciences, Greenland Hotel, Swedru Ghana. 6th – 11th October 2002.

### Pappoe, Matilda

- Co-Convenor: Dissemination Workshop: Evaluation of Cost Recovery policy in Health and Education in Ghana. February 26th – 27th, 2002.
- Participant: Gendered Family Dynamics and Health Co-sponsored by Institute of Africa Studies and School of Public Health, University of Ghana. October 1st - 2nd, 2002.
- Resource Person: 5-day National Workshop: Development of a Policy, Ghana Education Service, August 2002.
- Resource Person: 5-day National Workshop: Development of a Strategic Framework for School Health sponsored by Ghana Education Service, WHO and UNICEF, September 2002.

### Ahmad, O.B.

- Participant: Task force to adapt training modules for integrated disease surveillance and response in Ghana. 8th – 10th July, 2002. Hotel Cisneros, Sogakope. Ghana Health Services.
- Discussant: Gendered Family Dynamics and Health. 1st - 2nd October, 2002. Institute of African Studies, University of Ghana, Legon & UNFPA, SCASS and Cambridge University.
- Participant: Round Table Discussion; Policy Implications of the Socio-cultural Dimensions of Reproductive Health and Human Development, 3rd October. Institute of African Studies, University of Ghana, Legon.
- Discussant: Evaluation of cost-Recovery Component of Health and Education Policy Reforms in Ghana. 26th – 27th February. End of Project Workshop.

Department of Geography and Resource Development, University of Ghana, Legon.

- Participant: Institutional Review Board (IRB) 101. Noguchi Memorial Institute for Medical Research. 23rd March, 2002. Labadi Pleasure Beach Hotel, Accra, Ghana.
- Discussant: 30 Years of USAID Efforts in Population and Health Data Collection. Co-Chair-Session on Maternal and Child Health. 3rd – 4th June. National Press Building. Washington, DC, USA.
- Participant: Second Annual Research Meeting. Theme: “Bridging the Research Policy Drive”. Noguchi Memorial Institute for Medical Research. 18th – 19th September, 2002. Noguchi Memorial Conference Hall, Legon.

### Visitors

- Prof. Richard Douglas, Fulbright Scholar Michigan, June 2001 – 2002.
- Coordinator, Bravo Programme, 20th February 2002.
- Prof. Amy Tsui, Johns Hopkins Gates Institute of Population and Reproductive Health Bloomberg School of Public Health, 22nd February 2002.
- Prof. Bernard Guyer, Johns Hopkins Gates Institute of Population and Reproductive Health Bloomberg School of Public Health, 22nd February 2002.
- Dr. Gbdahan Oni, Johns Hopkins Gates Institute of Population and Reproductive Health Bloomberg School of Public Health, 22nd February 2002.
- Dr. Tracy Henshaw, London School of Hygiene and Tropical Medicine (L.S.H.T.M), June 2002.
- Prof. Brain Greenwood, London School of Hygiene and Tropical Medicine (L.S.H.T.M), August 2002.
- Dr. Angela Dawson, London School of Hygiene and Tropical Medicine (L.S.H.T.M), 18th– 22nd Aug. 2002.



# SCHOOLS

## SCHOOL OF ADMINISTRATION

### Overview

The School's academic programmes were successfully run during the 2001/2002 academic year. The first batch of students offering Executive Master of Business Administration (EMBA) graduated during the year and this undoubtedly would go down as a major landmark in the history of the School. In all a total number of fifty students comprising forty-four males and six females graduated from the School.

The School, for the first time, admitted 240 students to Level 100 to pursue a four year course of study leading to the award of B.Sc. Administration degree. This was meant to avert the undue delay in the selection of Level 100 students from the various departments of the University to read B.Sc. Administration at Level 200 in the School. The delay was due to the late release of results of some Level 100 courses.

The total student enrolment for the 2001/2002 academic year was 2,323. This shows a slight increase of 11.7% over the figure of 2,080 for 2000/2001 academic year. The distribution of students according to academic programmes is as follows:

Diploma in Accounting	-	105
Diploma in Public Administration	-	114
BSc. (Administration)	-	1,476
B.A. (Administration)	-	206
MBA	-	263
MPA	-	38
EMBA	-	118
Ph.D.	-	3
		-----
Total	-	2,323
		=====

### Faculty Movement

There were 37 full time lecturers at post, assisted by 30 part-time lecturers and seven teaching assistants. The following members of faculty were on various types of leave during the year under review:

Mr. K.A. Domfeh	-	Ph.D. programme (part-time)
Mrs. A.N.S. Kastner	-	Ph.D. programme (part-time)
Mr. Bedman Nartey	-	Ph.D. programme (part-time)
Mr. Y. Boachie-Danquah	-	Sabbatical Leave
Mr. L.Y. Owusu-Frempong	-	Sabbatical Leave
Mr. James K. Otieku	-	Sabbatical Leave
Dr. G.A. Agambila	-	Leave of Absence

## Special Programmes

As a policy, the School organises courses and seminars independently or in association with other bodies to satisfy identified needs in the fields of Business Management.

One of such programmes is being organised by the School's Centre for Management Research and Professional Development (CMRPD). The Centre undertakes applied research and training of practitioners and professionals in the field of finance. It also provides other services, including specialised research, financial modelling and forecasting and change management.

## Practitioners' Forum

The practitioners' forum is designed to enable Business Executive Practitioners share their experiences and thoughts on important contemporary management issues with students and Faculty. This is to enhance the partnership between academia and the world of work and industry. The theme for last year's forum was "Public - Private Partnership: The Role of the Press", and a lecture based on the theme was delivered by Mr. Kwaku Baako Jr., editor of the Crusading Guide. The forum was organised to herald the 24th Management Day celebrations.

## Benefaction: Book Donations

Name/Organisation	Number of Books
Ghana International Bank, UK	184
Dr. Kwaku Appiah-Adu, PriceWaterHouse Coopers	20
Quinnipiac University, USA	75
Danida Project, School of Administration	6
Prof. Richardson, Manchester University	10
Brother to Brother (thro' ADRA)	422
Dr. Jim O'Onafra	5
Dr. V.K. Nyanteng, ISSER	2
Prof. R.A. Aryee, Political Science Department	1
Mr. M.A.K. Gyasi, School of Administration	1

## Special Events: Management Day

Last year's Management Day, the 24th in the series, was celebrated on Wednesday, April 17, 2002 under the theme "Private-Public Partnership in Development".

The speakers for the event included Hon. Kwamena Bartels, Minister for Private Sector Development, Hon Kwadwo Baah-Wiredu, Minister of Local Government and Rural Development, Hon. Nana Akufo-Addo, Minister of Justice and Attorney General and Mrs. Elizabeth J. Villars, President of the Association of Ghana Industries.

The Management Day was sponsored by the following organisations:

<b>Organisation</b>	<b>Amount</b>
	¢
School of Administration	- 20,000,000
Ghana Ports & Harbours Authority	- 10,000,000
Ghana Commercial Bank	- 7,000,000
Tema Lube Oil Co, Ltd.	- 5,000,000
CAL Merchant Bank	- 5,000,000
VALCO	- 4,000,000
Shelter Afrique Gh. Ltd.	- 2,000,000
P.M.M.C. Gold Financing	- 2,000,000
Nestle Ghana Ltd.	- 2,000,000
Private Enterprises Foundation	- 1,000,000
Metropolitan Insurance Co. Ltd.	- 1,000,000
Gemini Life Insurance Co. Ltd.	- 1,000,000
Star Assurance Co. Ltd.	- 1,000,000

### **DANIDA Project**

The DANIDA Centre for International Business, School of Administration, organised the 7th Ghana Export Sector Development Forum on July 31, 2002 under the theme: "The Golden Age of Business in Ghana: Implications for Export Development".

### **Publications**

#### **Asibuo, S.K.**

- "The Role of the Commission on Human Rights and Administrative Justice (CHRAJ) in Promoting Public Service Accountability Under Ghana's Fourth Republic". *African Administrative Studies* No. 58, (2002), pp. 63-82.

#### **Domfeh, K.A.**

- "Intergovernmental Relations and Environmental Management" *GIMPA Journal of Leadership, Management and Administration*, 1(1) (2001), pp. 67-81.
- "Enhancing Environmental Management Through Capacity Building", *Journal of Management Studies*, Volume 17 (2002) pp. 51-74.

#### **Buatsi, S.N.**

- "Financing of Non-Traditional Exports in Ghana", *Journal of Business & Industrial Marketing*, Vol. 17 No.6 (2002).
- "Inter-Firm Relations, Competitive Advantage And The Service Marketing Strategies Of The Ghana Assorted Foodstuffs Association (GAFEA)", *Legon Export Outlook*, Vol.1 No.4 DANIDA Centre for International Business, School of Administration, University of Ghana (2002).
- "Ghana's Investment Promotion", *Legon Export Outlook*, Vol.1 No.3, (1999-2000), pp. 88-103.

**Monrozier, B.J., Buatsi, S.N. & Wilson, A.W.**

- "Strategic Plans for the Development and Integration of Trade Information Services in Ghana, *International Trade Centre (UNCTAD/WTO)*", Geneva (2001).

**Osei, K.A.**

- "Investor Profile of the Ghana Stock Market, *Journal of Management*, Volume 17, January 2002.
- "Asset Pricing and Information Efficiency of the Ghana Stock Market", *African Economic Research Consortium (AERC) research paper 115*, March 2002.

**Buame, S.C.K.**

- "Entrepreneurs and the Sustenance of Ghanaian Exports: A Study of the Imperatives of Value Adding with NTEs Sector". *Legon Export Outlook*, Vol. 1, No.4, 2002.

**Abdulai, A.I.**

- "African Public Institutions and Declining Resource: The Case of Ghanaian Institutions of Higher Learning", *The Journal of Management Studies*, January 2002 pp. 1033.
- "The Millenium Conference and African Development: They came, they saw they admonished", *African Insight* (forthcoming).
- "Employee Grievance Management in Ghana: The role of the Commission for Human Rights and Administrative Justice", *International Journal of Public Sector Management* (forthcoming).
- "Human Resource Management in Ghana: Making the Prescriptions of the Fourth Republican Constitution Work", *Ghana Management Review* (forthcoming).

**Kastner, Adelaide**

- "Private Sector Export Performance", *Legon Export Outlook*, Vol. 1, No.4, pp. 17-26, 2002.

**Kuipo, R.M.**

- "Alternative Explanations to the Phenomena of Corporate and Public Sector Fraud in the Ghanaian Workplace". *The Legon Business Journal*, Vol. 1/2, March 2002.
- "Financial Management Challenges for Accounting and Financial Professionals in Ghana". *The Professional Accountant*, September 2002.
- "Risk Management Practices & Financial Information Systems in the Small (Manufacturing) Enterprise. (Research underway).

**Aboagye, A.G.G.**

- "Long-run Response of Sub-Saharan African Agriculture to Domestic and Foreign Capital", *World Development* (Research underway).

- "Financial Liberalization and Security Returns in Ghana", *African Finance Journal* (Research underway).

### Technical Assistance

#### Kuipo, R.M.

- Head of Technical Team, Inventory and Review of Commercial Rent/Charges of Private Businesses on Legon Campus (Technical Report to the Registrar).

### Seminars

#### Kastner, Adelaide

- Sixth Ghana Export Sector Development Forum at the University of Ghana under the theme, "The Private Sector and Exports Development in Ghana. Paper presented: Private Sector Performance, Accra, July 25, 2001.
- Aburi Gardens International Business Research Seminar (Organised by DANIDA Centre for International Business, School of Administration, University of Ghana). Paper presented: "Private Sector Export Performance", Aburi, July 30, 2001.

## SCHOOL OF COMMUNICATION STUDIES

### Overview

The School successfully ran its Graduate Diploma and Master of Arts/Philosophy degree programmes

Enrolment numbers were:

Graduate Diploma	-	28
Master of Arts	-	8
Master of Philosophy	-	3
		---
Total		39
		==

One of the M.Phil students is currently on an exchange programme in the U.S.A.

### Academic Staff

K. Ansu-Kyeremeh	-	Associate Professor & Director
Kwame Karikari	-	Associate Professor
Audrey Gadzekpo	-	Senior Lecturer

### Part-Time Lecturers

Mr. Kwaku Mensa-Bonsu  
 Mr. J.E Allotey-Pappoe  
 Mr. Kwame Gyasi

Prof. Kofi Kumado  
Dr. A. Afrifa

Mr. Jonathan Blakley, a Fulbright guest lecturer and Mr. Gilbert K.M. Tietaah joined the academic staff during the 2002/2003 academic year.

Dr. A.K. Bonnah Koomson and Mrs. Margaret I. Amoakohene are currently on sabbatical leave.

### **Research Activities**

#### **Ansu-Kyeremeh, K. with Margaret Amoakohene and Audrey Gadzekpo**

- (January/February, 2002) "An Analysis of the Contents of the Daily Graphic Newspaper".

#### **Ansu-Kyeremeh, K. with Essuman-Johnson, A.**

- (October/November, 2001) "Survey of the Views of Greater Accra Resident Voters of the Administration of President John Agyekum Kufuor of the New Patriotic Party (NPP).
- (July 2001) "Reconciliation: A Survey of the Views of Ghanaians".

#### **Gadzekpo, Audrey**

- State of the Ghanaian Media. FES discussion paper November 2002.

#### **Gadzekpo, Audrey with E. Gyimah-Boadi and Kwesi Yankah**

- Governance, Democracy and Development in Africa: Developing a Cultural Approach. U.N African Institute for Economic Development and Planning, April 2002.
- "Women's Engagement with Gold Coast Print Culture: 1857-1957 (PhD Thesis, February 2002)

#### **Tietaah, Gilbert**

- Politics in the Airwaves: How Radio Covered the 2000 General Elections in Ghana (2001).

### **Publications**

#### **Ansu-Kyeremeh**

- Books (2000a) Meeting the Challenges of professional Journalism Training in Ghana for the 21st Century. Accra: GIJ in Association with SCS.
- Chapters in Books (2001) Survey of the 2000 Elections in the Berekum and Wenchi East Constituencies. In J.R.A. Ayee (ed.) Deepening Democracy in Ghana: Politics of the 2000 Elections. Accra: Freedom Publications. Pp. 165-177.
- (Refereed Journal Articles) Communicating Nominatum: Some Social Aspects of Bono Personal Names, *Research Review*.

- (2001) "Culture of Silence": Change Without Continuity in an African Communication Framework, *Legon Journal of the Humanities*, 12(1999-2001) pp. 31-52.

#### **Gadzekpo, A.**

- (Forthcoming) Entries on Gladys Mae Casely-Hayford, Mabel Dove Danquah, Routledge Encyclopaedia of Post-Colonial Literatures, 2nd edition.
- "Gender Discourses and Representational Practices in Gold Coast Newspapers." *Jenda A. Journal of Culture and African Women Studies* (2001).

#### **Conferences/Seminars/Workshops**

##### **Ansu-Kyeremeh, K.**

- (September, 2001) A Training Workshop on Co-operation between Radio Broadcasters and NGOs, UNESCO/School of Communication Studies, University of Ghana, Legon.
- (August 9-10, 2001) "Conference on the 2000 Elections and Presidential Run-off". Organised by the Department of Political Science, University of Ghana, Legon.
- (May 22-26, 2001) Regional Training Workshop on Communication for Education and Development, ECOWAS Secretariat, Abuja, Nigeria.

##### **Gadzekpo, Audrey**

- Writing and Newspapers: Paper delivered at Two-Day Women Writers' Workshop: Ghana International Book Fair Organized by Mbaasem. November 8-9, 2002.
- Ghanaian Realities and NEPAD, a series of lectures delivered in Canada and sponsored by CUSO, September 23- October 5, 2002.
- Transparency International Annual General Meeting, Morocco, October 9-12, 2002. (attended)
- The Press as Partners in Socio-Economic Development. Paper delivered at the Economic and Social Development Policy Framework. Workshop Organized by the National Development Planning Commission, September 18, 2002.
- Domination or Self-Marginalization? Entering the Dialogue on Africa's Diminishing Presence in Global Media. Paper presented at Conference of International Association of Media and Communication Researchers (IAMCR), Barcelona, July 2002.
- The Hidden History of Gender in Ghanaian Print Culture. Paper Presented at Conference of International Association of Media and Communication Researchers (IAMCR), Barcelona, July 2002.
- Média and Challenges for National Reconciliation, Series of lectures delivered between June and November, 2002, organized by CDD-Ghana, Ghana Journalists Association and National Reconciliation Commission.

- Chieftaincy and Democratic Governance in Ghana: CDD-Ghana discussion paper – May 6, 2002.
- Promoting ICT's in Enhancing Advocacy Among Women's Organizations. Paper Presented at the "Strengthening Economic Communication Capacities for Women Organizations Workshop, Organized by Abantu, December 14, 2001.
- Ethical Challenges in Parliamentary Reporting. Presented at Workshop On Promoting Ghana's Democracy Through Parliamentary Reporting, organized by Parliamentary Press Corps/Friedrich Ebert Stiftung, October 28, 2001.
- The Issue of Corruption and Good Governance. Paper delivered at the GIMPA Forum on Critical National Development Issues, October 26, 2001.
- The Power of Language. Paper delivered at working lunch on Media Language as a Means for Fostering Peace and Stability for Positive Change in Society, organised by National Commission for Civic Education (NCCE), October 17, 2001.
- Addressing Programming Needs: Children in Broadcast in Ghana. Paper delivered at Workshop on Children in Broadcast organized by Women in Broadcast (WIB) and the Friedrich Ebert Stiftung, September 6, 2001.

#### **Tietaah, Gilbert**

- ICT Policy and Civil Society in Africa Workshop, Addis Ababa, Ethiopia, November 6-10, 2002.
- Africa Regional Conference for the World Summit on the Information Society, Bamako, Mali, May 26-31, 2002.
- Training Course for Labour Correspondence, Labour College, Accra, February 18-19, 2002.
- African Regional Access to Information Workshop, Abuja, Nigeria, September 19-21, 2001.
- Police Service Seminar for Journalists on Media and Coverage of Crime, Police Headquarters, Accra, August 23, 2002.

#### **Extension and Extra Curricula Responsibilities**

##### **Gadzekpo, Audrey**

- Member of Jury, Award for West African Journalism, 2001.
- Panelist, Media Review Program, Radio Univers, From February, 2000-Present
- Academic Board
- Faculty Board
- Faculty Planning Committee
- University of Ghana Alumni Council
- CDD-Ghana Board
- Ghana News Agency (GNA) Board
- Ghana Integrity Initiative (GII) Board
- Consultant on Media, National Reconciliation Commission



## SCHOOL OF GRADUATE STUDIES

### Overview

For the 2002/2003 academic year a total of about 2050 applications for admission to graduate programmes were received. Out of this number, 729 applicants were offered admission to the various programmes in the faculties of Science (76), Agriculture (39), Social Studies (315), Arts (68), Law (7), Biomedical Sciences (56) and the School of Administration (168)

Our records indicate that 546 registered. The breakdown of the 546 by faculties and by gender is as follows:

	Males	Females
Administration	103	40
Agriculture	28	3
Arts	39	13
College of Health Sciences	20	16
Sciences	36	14
Law	4	1
Social Studies	163	66

There were 393 males and 153 females. These numbers do not include admissions from the affiliated institutions of the University which have postgraduate programmes

### Student Numbers

The current enrollment of graduate students stands at about 1,397. The number includes fresh and continuing Postgraduate Diploma, MA, MDM, MFA, MPH, EPM, LL.M, M.Phil, MBA, MPA, EMBA and Ph.D students. This year's admission was slightly lower than that of last year's, because the School of Administration which admits the largest number of students, for the first time, complied with their approved quota for the year.

### Congregation

One hundred and sixty (160) theses/dissertations have been submitted to the Academic Affairs for publication since the 2002 Congregation. The number may be doubled by 15th February 2003, a date which has been set as the deadline for submission of theses/dissertations for publication by candidates wishing to graduate by the March 2003 congregation.

### Staff

The list of staff for the School of Graduate Studies is as follows:

- Dean – Professor – Ph.D
- Senior Assistant Registrar – Ph.D
- Accountant – External Funds/Graduate Fellowships – MBA
- Principal Administrative Assistant – MPA
- Senior Accounting Assistant – BSc. Administration
- Senior Administrative Assistant – 'O' Level/Government Secretarial Cert.

- Administrative Assistant – Diploma in Archival Administration
- Administrative Assistant/Hostel Manager – HND in Estate Management
- 3 Senior Clerks – Diploma in Business Studies
- Clerk Grade II – 'O' Level
- 2 Messenger Cleaners – 'O' Level
- 10 Porters – Graduate Hostels
- 9 Cleaners – Graduate Hostels

### **Proposed Review of Graduate Handbook**

The School is in the process of revising the Graduate Handbook to meet changing circumstances in the various faculties. The following are some of the major changes that the revised handbook will incorporate:

Deletion of the section of regulation 27C that enabled failed candidates who had been withdrawn to resit their failed papers as part-time students.

Insertion of a clause in the regulation that will require students wanting to present themselves at the next Congregation to have passed all their required courses by the end of the previous academic year.

Decision by the Academic Board to prevent student lecturers from supervising and examining dissertations/theses.

Requiring Ph.D applicants who do not have Masters degrees in the proposed Ph.D areas to do a full year coursework before embarking upon the Ph.D research.

Requiring students who take additional courses in the dissertation/thesis year (2nd or 3rd year) to pay appropriate fees for each of the courses they register or audit.

Decision to declare semester results by 15th January (for First semester results) and 15th July (for Second Semester results).

Requiring thesis/dissertation students who would want to graduate at the next Congregation in March to submit their corrected theses/dissertations for publication by the 15th February preceding the Congregation.

Copies of the new handbook are expected to be on the shelves by the commencement of the 2003/2004 academic year.

## **ENVIRONMENTAL SCIENCE PROGRAMME**

### **Overview**

The aim of the M. Phil. Programme in Environmental Science is to provide graduate education in the causes, effects and control of environmental problems, particularly in Ghana, for graduates in the basic sciences and closely related disciplines. The role of the environmental scientist is seen as of responsibility for monitoring, investigational

and advisory functions in management of the environment. The programme comprises two semesters of taught courses followed by one year's research from the area of specialisation. The course is very attractive to students because it is attuned to current global needs. For the academic year under review, there were 27 students' applications, of which 10 were admitted.

### **Courses**

The course is unique in the breadth of courses offered, covering four Faculties, Science, Social Studies, Agriculture and Law. All courses are taught at the Post-graduate level: the current suites of courses are;

ESCI 601 - Soil, Water and Air Quality  
ESCI 602 - Environmental Economics  
ESCI 603 - Human Population & Urbanisation  
ESCI 604 - Environmental Law  
ESCI 605 - Remote Sensing  
ESCI 606 - Environmental Impact Assessment  
ESCI 607 - Environmental Chemistry  
ESCI 608 - Atmospheric & Environmental Physics  
ESCI 609 - Water Resource Management  
ESCI 610 - Environmental Geology  
ESCI 612 - Forest Resource Management.

### **Student Numbers**

M. Phil. Part I Environmental Science	-	10
M. Phil. Part II Environmental Science	-	27

### **Staffing Position**

The Environmental Science Programme has no permanent teaching staff of its own, it uses expert staff from various departments within the University to run the programme. Thirteen Department are involved in the teaching of the programme using a base of twenty teaching staff. The following staffs have been teaching various courses for Environmental Science Programme; Prof. L. Enu-Kwesi, Mr. J.K. Adomoko & Mrs C. Amoah, Botany Department. Prof. C. Gordon & Dr. D. K. Attuquayefio, Zoology Department. Dr. P. K. Ofori-Danso, and Mr. F. Nunoo, Oceanography & Fisheries. Dr. B. A. Asiedu, Geography & Resource Development. Mr. S. K. Kwankye, Regional Institute for Population Studies. Dr. D. Carboo, Chemistry Department. Dr. F. Nyame, Geology Department. Dr. K. Oduro-Afriyie, Physics Department. Rev. Dr. Asuming-Brempong, Agricultural Economics Department. Mr. K. Gyan, Faculty of Law and Prof. K. Budu-Laryea, Soil Science Department.

### **Research**

Due to the nature of the programme, the research activities that are being undertaken are based on the thesis areas of M. Phil. Part II students. These are;

- Environmental Pollution and Nutrient status of the Weija Lake.

- Water Quality and Commercial Viability of Freshwater Resources of the Afadjato Area.
- Influence of Salinity on Schistosomiasis Prevalence in the Lower Volta Basin.
- Assessment of the Impact of Buffer Zone Development Activities on the Socio-Economic Conditions of the Local Communities and the Environment of Forest Reserves in Kpando District and Abutia Area.
- Impact of Human Activities on the Quality of Rural Water Resources in the West Akim & Kwaebibrim District, Eastern Region – Ghana.
- Assessment of Water Quality from Gravity Piped Water System in Hohoe District.
- The Effect of Tourism on the Sustainability of Trade in Value Added Wood Products.
- Assessment of Lead Levels in the Soil of Accra: A Case Study on the Soils Around Filling Stations and Roadways.
- Gender and Natural Resources Management of the Weija Lake and its Fringes.
- Evaluation of Socio-Economic Effect of Bush Fire on Forest Resources.
- Recycling and Evaluation of Agricultural and Agro-Industrial Residues in the Kwaebibrim District for agricultural use.
- The Role of Women and Children in the Conservation of the Cane Rat, *Thryonomys Swinderianus*: A Vital Natural, Nutritional and Economic Resource in the Awutu-Effutu-Senya District
- An Assessment of the Environmental Impact of Small-Scale Fish Processing Activities in a Typical Coastal Community; Keta-Anloga Fishing Community
- Environmental Condition and the Quality of Smoked Fish in Ghana.
- Genre, Environmental Management and the Quality of Water in the Sakumo Catchment
- The Impact of Human Activities on the Kakum River Catchment
- The Effect of Human Activities on the Water Quality of Ayensu River
- Pipe Borne Water Quality in an Urban Environment – A case Study of Western Accra
- Impact of Mineral Processing on Water Quality: A case Study of Selected Communities in the Wassa West District of Ghana
- Impact of Small Scale Salt Mining on the Socio-Economic Activities of Women in the Komenda-Edinafo-Eguafo-Abirem District in the Central Region
- The Role of Gender in Environmental Conservation in Local Salt Winning Along the Coast of Ada
- An Assessment of the Socio-Economic and Environmental Impact of Perennial Floods on Communities Within the Odaw River Basin
- An Environmental Assessment of Two Income-Generating Activities (IGAs) in the Dangme West District of the Greater Accra Region.
- Impact of Large Scale Surface Mining Activities on Water Bodies at Akyapin in the Wassa West District of the Western Region, Ghana.

### **Benefactors**

The ESP is grateful to the Volta River Authority and Wildlife Department for support of various student projects. The Carnegie Corporation, through the University of Ghana has provided US\$ 100,000 for the purchase of equipment and general support of the ESP. The following have also made books donations to the programme: Brother's Brother Foundation of USA in collaboration with the Rotary Club of Tema, Prof. I.K. Addae-Mensah, Mr. Julius Najah Fobil and Mrs Bridget B.B. Koomson.

## **SCHOOL OF PERFORMING ARTS**

### **Administration**

**Director:** Prof. Martin Okyere Owusu, Assoc. Professor in Theatre Arts.

**Head of Theatre Arts:** Mr. Asiedu Yirenkyi, Senior Lecturer in Theatre Arts

**Head of Music:** Dr. W.O. Anku, Senior Lecturer in Music

**Head of Dance Studies:** Prof. William Ofotsu Adinku, Associate Professor in Dance Studies

**Artistic Director, Abibigromma:** Mr. T.E. Andoh, Lecturer in Music

**Drama Studio Manager:** Dr. Mohammed Ben Abdallah, Lecturer in Theatre Arts

**Senior Administrative Assistant:** Shine Gaveh

**Senior Administrative Assistant:** Joyce Osei-Wusu

**Chief Library Assistant:** Johnson Bissi

**Senior Library Assistant:** Ken Afenu

**Library Assistant:** Henry K. Asante

**Chief Accounting Assistant:** J.K. Arthur

**Senior Accounting Assistant:** Ebenezer Leteye

### **Introduction**

The School of Performing Arts, established in the 1977-78 academic year, has three academic departments: Music, Theatre Arts, and Dance Studies. All three disciplinary areas offer 2-year diploma as well as B.A. and B.F.A. degree courses. Music offers a B. Mus and an M.A./M.Phil programme, whilst Theatre Arts offers post-graduate degrees of M.F.A./M.Phil.

The School has a very dynamic resident theatre company, Abibigromma, as well as a research wing, International Centre for African Music and Dance established by Emeritus Professor J.H. Kwabena Nketia. It is currently under the Acting-directorship of Dr. Asante Darkwa. The Efua T. Sutherland Drama Studio is another major centre for the performing arts.

The School of Performing Arts continues to attract a great deal of patronage from international students and research scholars. During the year under review, the School offered both full and short courses to a large number of international students in the three areas of dance, drama and music. It also played host to a number of research students and scholars.

### **Department of Theatre Arts**

The department offers programmes leading to the award of a B.A and B.F.A. degrees in Drama and Theatre Studies and a 2-year Diploma in Drama. Programmes at both levels cover a wide range of academic and practical courses, including: Play Analysis and Interpretation; History of the Theatre; Dramatic Theory and Criticism; Performing Arts in Traditional African Cultures; Drama in African Societies; Contemporary African and Modern Drama; African Plays and Playwrights; Radio, TV and Film; Speech; Costumes; Set Lighting Design; Stage Craft; Stage Lighting; Acting; Drama in Education; Theatre for Extension Communication; Playwriting; Directing; Adult Psychology; Production Participation; Theatre Laboratory; The Body and Voice.

### **Dance Studies Department**

Courses offered in the Dance Section leading to the award of B.A and B.F.A. degrees in Dance Studies and 2-year diploma during the year were: Dance Forms of Ghana; Anatomy and Physiology for the Dancer; Labanotation; Dance History; Dance for the Film and Television; Choreography; Stage Craft; Orientation to the Theatre; Music; Dance Technique; Traditional African Dancer; Drumming and Staging; Theatre Management.

### **Department of Music**

The Department of Music offers courses to over 100 students majoring in Music in the following programmes: M.Phil (2 years), M.A. (1 year), B.A./B.Mus (3 years), Diploma in African Music (2 years), Diploma in General Music (2 years). Courses in Music of Africa (Theory and Practicals) are also offered to many international students (Visiting/Special/Exchange) under the University of Ghana linkage programme.

In addition to the above, the Department of Music has embarked on a number of initiatives to enrich its programme. The particular areas designated on experimental basis include:

Music and Electronics, Music Production, Arts organization, Music Journalism, and Criticism, Recording Technology, Conducting, Church Music and Popular Music; once a week Colloquium/Recital programmes, every Wednesday, as a forum for discussing the state of music research in the department, and also to enhance its performance programme.

The intentions of the programme, termed "Process of Art", are two fold: Firstly, it is to enable students interact with the world of music as it affects the community around them and thereby clearly see the artistic as well as the professional opportunities and challenges at first hand to enable better preparation to meet these challenges.

Secondly, it is to enable both staff and students to re-examine the structure, process and functions of the art of music and music making and the effective transmission of skills and knowledge with the view of making necessary adjustments in the

department's programme.

### **The Efua T. Sutherland Drama Studio**

The Efua T. Sutherland Drama Studio has continued to maintain its role as the Performing Arts Centre of the University.

The main stage of the Studio has served as the venue for performances by the staff and students of all sections of the School as well as other external users.

The year under review has also seen the Studio ploughing back part of its profit into painting and general repairs. 400 new plastic chairs have also been purchased to add to the existing stock.

### **Abibigromma:**

Abibigromma, the Resident Theatre Company of the School of Performing Arts, Legon, continue to honour and perform the duties for which it was established in 1983.

The year under review has been one of the busiest for the group in the area of research performance and public education that stretched from Senior Secondary Schools to companies and organizations including the media.

### **Objectives of the School**

On the occasion of the 25th Anniversary of the establishment of the School, the then Vice-Chancellor, Prof. A. Sawyerr, reiterated the real objectives of the School thus:

"... one of the principal objectives of the separation of the School from the Institute (of African Studies) was to enable it to focus on "professional performance training as a cardinal aspect of the work of the School". Specifically the principal objectives of the School are:

- To provide University course in Music, Dance and Drama;
- To provide a programme of professional training for performers; and
- To serve as a focus of the performing arts in the University.

As a University institution the School, in focusing on the development and teaching of Ghanaian and African Art Forms, cannot afford to shut itself off from the vast wealth of Music and Art Forms existing outside Africa, not only in the African Diaspora, but also in both the orient and the west. Again, the University location obliges the School to be research-oriented, drawing not only on the researches of others, but especially on the work of Ghanaian art and culture scholars, both within the School and the Institute, and elsewhere. In brief, the School ought to be engaged in research, teaching, and experimentation in Ghanaian and African art forms, paying due attention not only to their roots in society, but also to developments elsewhere in the world. This should put the school in a position to make a contribution to the re-interpretation and development of African art and culture, providing a spur to creative thinking and activity in the field of national culture.

As a School of Performing Arts, the School should gear its programmes, infused as they must be with the results of the School's researches, to the provision of systematic and integrated training of performers in Music, Dance and Drama, and provide an outlet for creative work and the dissemination of knowledge of the arts, through its extension and vacation programmes, as well as regular full-time course.

It would be impossible for the School to begin to meet these obligations in full if it were to operate in isolation from the Institute of African Studies and society at large. For it is vital for the School, in the development of its courses and the conduct of its outreach programmes, to be able to call upon the research product of the Institute in the area of art and culture.

Equally, the School cannot develop programmes or train authentic performers of our Music, Dance and Drama unless it reaches out for interaction with traditional performers and local audiences.

### **Achievements**

The School of Performing Arts, the only institution of its kind in Sub-Saharan Africa, that combines the three disciplines of Drama, Music and Dance in the training of Middle and Management level manpower needs of several establishments in Ghana and, indeed, internationally, continues to play that role among other obligations and commitments: The Ghana Education Service (the largest beneficiary), The National Commission on Culture (with its numerous Centres for National Culture spread throughout the country, each requiring trained cultural and performing arts experts), our Universities (where over ninety percent of the teaching staff of the School are alumni of the School of Performing Arts), The National Theatre of Ghana, G.B.C. (T.V. and Radio Programmes Producers and Directors), the numerous F.M. Stations, Video Film Production Outfits, Professional and Amateur Performance Groups and, not the least, Universities in Africa, Europe, America, Canada, Japan, Korea, and other Far Eastern countries.

Through its productions and outreach programmes, the School continued with its enrichment of the cultural life of the University and surrounding communities. During the last academic year alone, for example, there were 10 major play productions, 24 one-acts, several Musicals and Choreographed dances by students and staff that attracted and educated as well as entertained many audiences in and around Legon. In addition, literature workshops were organized for students of 2nd Cycle institutions in several Regions in Ghana; also, through its Theatre for Extension Communication, and Drama in Education practical programmes, communities as far away as Upper East, Brong-Ahafo, Volta Region, Eastern, and local J.S.S. schools, were exposed to the benefits of environmental cleanliness, population control, avoidance of teenage pregnancy, etc. Even in Accra, establishments like the Bank of Ghana, Ghana Telecom, Cocobod, Electoral Commission etc. were direct beneficiaries of effective communication of their objectives through drama, music and dance presentations.



The Nation and, indeed, the World continues to enjoy the artistic skills not only of the directors, actors, and technical expertise of the staff, but also of the playwrights, choreographers, and composers who provide the material for productions.

The School intends to continue with its commitment to teaching, research and extension programmes, embracing high academic goals and practical professional demands. However, the existing inadequate resources of space, equipment, transportation, and teaching aid, cannot, as has been emphasized before, support and sustain the expanding activities and increasing demands for true professional and academic manpower training for the Nation.

In fact, these needs were taken up by a Member of Parliament, Hon. Nkrumah Gyimah, an alumnus, in November 1999, and all the Honourable Members of the House, who spoke glowingly about the School, reiterated the urgent need for Government to address them without further delay. (See Parliamentary Debates: Official Report, Friday, 5th November, 1999: "Statements - School of Performing Arts Open Day Celebration - {Col.816}.

#### **ACTION PLAN: (VIS-A-VIS)**

##### **Essentials of the 2001-2003 Estimates**

##### **Staff & Student Productions (2000-2001)**

These are an essential academic and professional requirement for the School. Participation in productions/performance is a requirement for the award of diplomas/degrees in the Performing Arts. 18 Student Productions and 11 Staff/School Productions are planned for the year, with a projected cost of about one hundred and fifty million cedis. It is essential that reasonable provision be made for the School's productions programme

The Theatre Season has become an established outreach programme in which a sample of the School's productions for the year is presented to the community at large. It involves some production and publicity expenses as well as accommodation, feeding, transport expenses of a large number of students during the long vacation period.

##### **The Physical Infrastructure of on-going Project**

For five years running, our request for work on the on-going project of the building complex has not been considered for final approval and funding. But with the creation of the new Department of Dance, the introduction of the new MFA/M.Phil degree programme in Theatre Arts, the sudden jump in our enrolment figures, and the increasing activities of the International Centre for African Music & Dance, the pressure on our old temporary structures has become unbearable. We must continue work now on the construction of our building complex.

It may be noted that at the moment the School has no lecture rooms large enough for even the relatively small classes of up to fifty students. With the expected rise in student number, a crisis is inevitable unless we can complete the new complex in time.

**Equipment Needs:**

The School depends on lighting, sound, and video equipment for teaching, research, productions, and Outreach programmes. For several years now the old existing equipment have gradually deteriorated with constant use, with most of them now rendered useless or ineffective.

**Video Equipment for Professional Quality Recording & Editing:** This will enable the School of Performing Arts to begin a serious programme of documenting several of its performances and major productions. Properly organized, this should eventually become a major library collection as well as an important source of income for the School. A fully equipped video-audio documentation unit is now an indispensable requirement for instruction in the performing arts. It will service not only the School but also other academic departments of the University. Our target several years ago to put all the basic equipment in place has been long overdue. A complete Audio-Visual Library is also required. This project is partly dependent on the completion of at least the second phase of the new buildings for the School.

**A Computer System:** for efficient and fast preparation of scripts and other frequently used documents, and also for Musical Analysis, an important new area of research.

**Lighting Equipment:** A computerized memory lighting control; a lighting control board with 24 or more channels; a portable intercom for communication between the backstage and the lighting booth; slide projectors; cables, etc.

**Musical Equipment:** 3 Grand Pianos.

**Costumes:** sewing machines; make-up kits; mannequins for drapery.  
Tools for Set Design & Construction.  
A Good Quality Public Address & Amplification System.

**Transportation**

The School has one overaged 45-Seater Neoplan Bus for movement of production personnel. But the bus is not suited to the movement of equipment and is too big to be used for organizational work. Besides, it breaks down ever so often and is thus unreliable. A new bus, an open truck and a Land Cruiser are needed to facilitate movement of performers, props and equipment and for organizational/administrative work.

## DEPARTMENT OF THEATRE ARTS

**General Overview**

The Department is proud of its past achievements and future promise. The courses designed for students allow for specialization in key areas of Theatre. This specialization allows the full resources of the department - faculty production and

facilities - to be geared toward the development of the professional theatre artist. Course work includes classes emphasizing development of personal aesthetics in ensemble creation. Our training explores the performer's full arsenal: Voice, Mind, Body and Heart. It examines the range of alternative methods of experimentation and experience, and emphasizes successful transition into the professional theatre.

Admission to our Diploma Courses and Honours degree and Post Graduate M.F.A./M.Phil programmes is based on examination, interview and academic achievement.

### **Courses Taught**

The undergraduate and graduate programmes covered a wide range of academic and practical courses, including:

- Play Analysis and Interpretation
- History of the Theatre
- Dramatic Theory and Criticism
- Performing Arts in Traditional African Cultures
- Drama in African Societies
- Contemporary African and Modern Drama
- Radio, TV and Film
- Speech
- Costumes, Set, Lighting Design, Stagecraft
- Acting
- Drama in Education
- Theatre For Extension Communication (TEC)
- Playwriting
- Directing
- Production Participation
- Technical Direction and Scenery
- Man, the Performing Arts and Society
- African Theories of Drama
- Research Methods
- Theatre Management.

### **Student Population Distribution**

MFA/M.Phil	Year I	-	11
MFA/M.Phil	Year II	-	10
B.A. Level	100	-	614
" "	200	-	410
" "	300	-	107
" "	400	-	60
B.F.A. Level	100	-	24
" "	200	-	33
" "	300	-	13
" "	400	-	2

Diploma		
Part I	-	50
Part II	-	40
Part III	-	35

In addition courses were offered to Occasional Students from Europe, U.S.A. Asia and other African Countries (16 in number).

### **Staffing Position**

1	Associate Professor
3	Senior Lecturers (One on Sabbatical)
8	Lecturers (One on Study Leave)
5	Part-time Lecturers
3	Research Assistants
1	Senior Administrative Assistant
3	Junior Staff

### **Research**

#### **Owusu, M.**

- Traditional sources for the modern African stage.
- Theatre for National Electioneering Process. Sponsored by Friedrich Ebert Stiftung and National Electoral Commission;
- Evolving theatre from a Danish Folktale.
- Theatre for Road Safety in Ghana: The Pedestrian, Driver, The Road, The Vehicle factors.
- Exploration of relevant Directing Concepts.

#### **Gyabaah Yeboah, Aaron**

- New Approaches to Directing for the Contemporary Ghanaian stage.
- Theatre for bringing about positive socio-economic and political change.
- Towards an authentic African Theatre

#### **Adjei, Cecilia**

- The Language of clothing - A non-verbal system of communication. A universal language.
- The Ghanaian Traditional Hair Styles and the European influenced Hair Styles.
- The Kente Cloth of Ghana and its influence on the Contemporary European and American Clothing.
- The Guidelines for Developing - Production Design Concept.

### **Publications/Productions**

#### **Owusu, M.**

- Analysis and Interpretation of Sutherland's Edufa, Black Mask Publications, Accra, 2001.

- "Tragic Drama: An African Dimension" *Journal of Performing Arts*, Vol. 2 No. 1.
- Video documentation of production of James Bridie's "Tobias and the Angel" (Staff production, 1996).
- Video Productions in 4 Languages of "The Pedestrian", a Ghana Road Safet Commission sponsored production in four languages for road safety education in Ghana.
- The Adventurers of "Sasa and Esi". (Ghana Publishing Corp. Revised and reprinted 1996).
- Analysis and Interpretation of Ola Rotimi's "The Gods Are Not To Blame", Afrique Publications, Accra, 1998.
- African Drama:- Analysis and Interpretation of J.C. deGraft's "Through A Film Darkly" and "Sons and Daughters", Legon, 1992.
- "Drama of the Gods", a study of seven African Plays, Omenana Publishers, Boston, 1984.
- The Election, Theatre for Electoral Education in four languages(English, Akan, Ewe, Dagbani). Sponsored by Friedrich Ebert Foundation & E.C. 1996.
- The Parliamentarian: theatre for Parliamentary education, sponsored by F.E.S., 1997.

#### **Adjei, Cecilia**

- Tongo Hamile - an adaptation of Shakespeare's Hamlet (Costume Designer).
- The Crucible by Arthur Miller (Costume Designer)
- The Palm-Wine Drunkard by Amos Tutuola (Costume Designer)
- Antigone by Jean Anouilh (Costume Designer).

#### **Osei Agyeman**

- Proverbs; a Picturesque Language

#### **Aveh, Africanus**

- "Ghanaian Video Films of the 1990s: Annotated Select Fimmography" in Fontomfrom Contemporary Ghanaian Literature. Theatre and Film, Matatu Vol. 21-22, Kofi Anyidoho - James Gibbs (eds.), Rodopi BC. Amsterdam/ Atlanta, 2000.
- Editor, Documentary on the Conferment of Honorary Doctorate Degree on H.E. Nelson Mandela in Johannesburg, S.A. by University of Ghana. (April 2002).

#### **Conferences/Seminars/Workshops**

##### **Owusu, M.**

- Workshop on the Teaching of Dramatic Literature in 2nd Cycle Schools, National Theatre of Ghana, 1998.
- Workshop on the Teaching of Dramatic Literature in 2nd Cycle Schools, Regional tour of Schools, 1994, 1996, 1997.

- Workshop on the Teaching of Dramatic Literature in 2nd Cycle Schools, School of Performing Arts, 1990.
- "Superstition on Our Screens" Conference on African Women in the Media, National Theatre, Accra. February, 1995.
- "From Myth to the Stage: the Story Ananse told as Theatre in a Global Perspective", 1994.

#### **Adjei, Cecilia**

- Inter-Faculty Lecture on the topic: "The Language of Clothing" (Revised Version).
- "The Guidelines For Developing - Production Concept" (Departmental Seminar).
- Seminar on "The Appropriate Costume for The Appropriate Functions" - Roman Catholic Youth - Sarbah Hall 2000.
- Conference of Ashanti Congress - Kumasi Cultural Centre - 2000 and 2002. (Participant).
- Presentation on "Insight" - TV3 Topic "The Ghanaian Traditional Hair Styles and the European Influence Hair Styles.

#### **Ossei Agyeman**

- Department Seminar "The Narcissistic Ego - An Anatomy of the Mask"

#### **Aveh, Africanus**

- "Historical, Fiction, Imagined Facts: The Question of (Mis) Representation in Ghanaian Video Features: a paper presented at University of Bayreuth, Germany Conference and Seminar on the theme: Modes of Seeing and the Video Film in Africa.
- 5th African Student Film and Television Festival (AMIWA 2001). National Film & Television Institute (NAFTI, Accra (Member of Jury).
- Digi - This, Digi - That, the Dilemma of the Visual Artist in Present-Day Technological Labyrinth: Which way out?" A paper presented at Departmental Seminar.
- "Ehye Wo bo": The Vexed Issue of Images on Our Screens - A Concerned View: A Departmental Seminar Paper.
- The Link: Ghana and the Black Soul of the Netherlands, Workshop participant on Film Policy, Accra (Feb. - March, 2002).
- Workshop on Ghana -European Union Co-operation on Cultural Initiative Support Programme (PSIC) Accra, July 2002.

#### **Extension Work/Outreach Programme**

##### **Owusu, M.**

- Writing, producing and directing plays for Electoral Commission. Educational tour of Second Cycle Schools and Training Colleges on the effective teaching and study of dramatic literature. Evolving a play from a Danish folktale for an International School Theatre Festival, Kobenhavn, Denmark.

- Video-film productions for Ghana Road Safety Commission

**Yeboah, A.G.**

- Consultancy Services in Theatre for Development.

**DEPARTMENT OF MUSIC**

**Overview/Courses**

The Department of Music offers a wide range of academic and practical courses in the following programmes: M.Phil (a 2 year programme with focus on Musicology), M.A. (a 1 year research oriented programme in Ethnomusicology), B.A./B.Mus (3 years), BFA (4 years), as well as a two year Diploma in General Music.

The Department's total enrolment stands at 710. This includes students majoring in music as well as a good number of non-majors. There are 10 graduate students in the MA and M.Phil. programmes. There are 484 undergraduate students in BA, BFA and BMus. and 161 students altogether in the Diploma programmes.

Detailed enrolment figures are as follows:

Diploma in General Music

Part I	-	86
Part II	-	75

B.A./B.F.A. Level 100 - 301

B.A./BFA/B.Mus

Level 200	-	88
Level 300	-	76
Level 400	-	19

M.Phil/MA

Part I	-	5
Part II	-	5
Foreign Students	-	55

Total - 710

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Courses in Music of Africa (Theory and Practicals) continue to attract an increasing number of international students (Visiting/Special/Exchange) under the University of Ghana linkage programmes. This year there are a total of 55 exchange students. The Department will continue to improve the quality of instruction in both academic and practical development of skills. It aims to define key areas of specialization designated as follows:

- African Musicology

- Musicology/Ethnomusicology
- Theory and Composition
- Popular Music
- Music and technology (Electro-acoustic Music)
- Church Music.

The Department is equipped with a few computers with some music applications installed on them to enable students to interact freely with some of the “cutting edge” technology in music application. So far students’ interest in this new area of the Department’s programme has been over-whelming. The computer laboratory has become the main resource and nerve center for the Department. Staff and Students are now able to transcribe, compose, orchestrate, arrange and print their works as well as record music using resources available for studio sound processing. We no doubt need some funding to maintain and improve the available facilities.

This year there have been four major Departmental performances scheduled. “The Diary of Adam and Eve” a Musical comedy directed jointly by Dr. Willie Anku and Professor Martin Owusu was performed early in the first semester. The Music to the production was composed by Dr Anku with students of the three Departments namely, Music, Dance and Theatre Arts. A three-day Festival of Music, which included Students’ showcase, the first ever Graduate Recital and the Department’s traditional Christmas Concert are some of the highlights of the first semester 2002.

The Department takes tremendous pride in providing musical support at several University ceremonies, (the Congregation, Matriculation, Awards ceremonies, and University Athletic programmes etc). Off-campus, individual students continue to provide music leadership in the communities and in Churches around the Accra metropolis and beyond.

### **Workshop**

The Goethe Institut, Accra, in conjunction with this Department organised a week-long Electro-acoustic music workshop. This event brought a renowned German Jazz vocalist Michael Sheifel to interact with students of the department in the use of electro-acoustic devices in composition and performance. The main idea of the workshop was to help students break away from convention and allow their imagination to break new grounds in composition. This event culminated in a concert of student works at the Goethe Institut in Accra.

### **Visiting Hanover Faculty and Students**

We were joined by 16 students and a member of faculty from Hanover University in Germany from the 3rd to 17th of September on a feasibility studies. Students from Hanover had the opportunity to experience African music at first hand through participation in various events along-side students of the Music Department. This exercise was intended to pave the way for an exchange programme between Hanover and Legon in the coming years. The German group was led by Dr. Raymond Vogels.



### **Drum Village**

The Department has raised an amount of twenty million cedis (¢ 20,000,000) towards the first phase of a project to provide extra space, particularly for the teaching of African instruments, since it hosts a considerable number of foreign students in addition to our local students in this area. We are working closely with the University's Development office to commence work on this project this year. The Department will continue its fund-raising effort to achieve this dream.

### **Keyboard Laboratory**

Every semester the Department pays a good portion of its meager Academic User Fees to maintaining its few remaining very old and weather sensitive acoustic pianos. It is time to begin to look ahead to providing cost effective and technologically efficient digital pianos fitted with headphones. This will enable as many as 15 to 20 pianos to be located in the same room which also means that 15 to 20 students would have access to practise at the same time in one room. This arrangement would greatly solve part of our problem of providing individual practice rooms for the various instruments.

### **Donations to the Department**

Following Michael Sheifel's visit to the Department, the German Embassy in collaboration with the Goethe Institut donated an electronic device called a "loop" or digital delay machine, to the Department. We hope this device will assist students to enhance their ideas of composition. A fitting gift ceremony is planned for later this year.

We are most grateful to the Goethe Institut Accra and the German Embassy for their donation.

### **Staffing Position**

The academic staff strength stands at 16. There are 8 full-time, 2 part-time faculty members, 2 Instructors and 2 staff on post-retirement contract. These include 1 Professor, 4 Senior Lecturers, 4 Lecturers, 3 Tutors. Mr. T. E. Andoh, a Lecturer, is on a 5 year part-time study leave, while Mrs. Dina Mpereh has taken 1 year's study leave.

### **Research**

During the year, staff engaged on research projects indicated against their names:

#### **Asante, D.**

- Symbolic Associations of Traditional African Musical instruments.

#### **John, C.**

- On-going research into African popular dance music, neo-traditional music and local music industry.

#### **Andoh, T.E.**

- Choral Music of early Ghanaian composers.

- History of the evolution of Ebibindwom: The Akan sacred lyric in the Methodist Church, Ghana.

#### **Anku, W.O.**

- On-going research on "A Theory of Rhythm and Structure in African Music".
- Computer aided research in African music.

#### **Amoah, G.M.**

- Collection and compilation of African folk tunes as suitable teaching materials for beginners in Violin

#### **Dzokoto, A.**

- On-going research into relationship between Jazz and African Gospel Music. Arrangement of Folk Music for Brass Band and other related Western Ensembles.

### **Conferences/Seminars/Workshops**

#### **Anku, W.O.**

- Visiting Lecturer, Summer Workshop: California State University San Marcos, California. July 20th – Aug. 20th 2002.
- Public Lecture, University College of Education, Winneba. "Ghana's Musical Legacy: Its impact on Education". April 2002
- African Humanities Fellowship Award, Northwestern University, Evanston, July 1 to 15th, 2002.
- Visiting Lecturer, Summer Workshop: Portland State University, Portland, Oregon. July 28 – August 20, 2002
- Visiting Lecturer, Simon Fraser University, Oct. 22nd to Nov. 10th 2002.

#### **John, Collins**

- "Making Ghanaian Music Exportable" Paper for The Ghana Music Awards Workshop 2000. National Theatre, 6th April 2001. Pan African Goombay Dance Music. Its Ramifications and Development in Ghana. Paper for 12th Triennial Symposium on African Arts of the Arts Council of The African Studies Association of The USA. The Virgin Islands 25th -29th April, 2001.

#### **Asante, D.**

- Ford foundation Conference/Workshop on "Building the Culture Africa Network (CAN)" Project and Technical Workshop, Maputo, Mozambique, May 8-12, 2001.
- The National Research Foundation (RSA) Seminar/Workshop on "Research in African Music: Its Relevance in Music Education in South Africa"; Department of Music, University of Transkei, Umtata, September 12-14, 2001.

#### **Fiagbedzi, Nissio**

- Book on Form and Meaning in Ewe songs (in preparation)

## DEPARTMENT OF DANCE STUDIES

### Overview

The Department of Dance Studies completed a syllabus to be integrated into those of the Department of Theatre Arts for the Master of Fine Arts/Master of Philosophy degrees. It is hoped that the implementation of the expanded syllabus will start from the 2003/2004 academic session.

### Courses

The dance components of the syllabus include:

- Area Studies in Dance Ethnology.
- Theories of Dance Education.
- Dance and Related Arts.
- Dance Analysis and Criticism.
- Movement Aspects of Customary Behaviour.
- Practical Choreography.
- Graduate Dance Technique.
- Dance Drumming/African Instruments.
- Traditional African Dance Performance.

The Department continued to attract high foreign student enrolment. There was also increased local students intake. Student population for the year was:

### Student Numbers

#### Bachelor of Arts

B.A. Level 100	-	123
B.A. Level 200	-	24
B.A. Level 300	-	12
B.A. Level 400	-	4

#### Bachelor of Fine Arts

B.F.A. Level 100	-	27
B.F.A. Level 200	-	10
B.F.A. Level 300	-	10
B.F.A. Level 400	-	4

#### Diploma in Dance Studies

Diploma I	-	78
Diploma II	-	69
Diploma III	-	16

Foreign Students	-	83
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Total	-	460
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## Problems

Structural facilities - classrooms, offices, studio for movement activity, are very limited. The facilities cannot accommodate the expanding programmes of the Department.

Something needs to be done immediately to improve upon the existing facilities, to satisfy local and foreign students' interests.

## Visitors

Ms. Nia Love, a Fulbright Scholar, spent the year with the Department. She taught courses in Advanced Dance Technique and Dance Cultures of the World.

## Staffing

Staffing position for the teaching areas remained weak. There were only three at post during the year. However a high academic standard was maintained to the satisfaction of all.

## Academic Staff at Post

Prof. W.O. Adinku	-	Associate Professor/Head of Department
Mr. S.A. Newman	-	Senior Lecturer
Nii Kwei Sowah	-	Lecturer

## Sabbatical Leave

Miss P.A. Kwakwa	-	Senior Lecturer
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## Senior Staff

Mrs. Akua Boakyewa Abloso	-	Chief Production Assistant
Miss Marian Amekudi-		(Left the Services of the University)

## Drummers/Musicians

Mr. Kwasi Asare	-	Production Assistant
Mr. Seth Gati	-	Senior Drumming Instructor
Mr. Richard Norbu	-	Drumming Instructor Grade I
Mr. Francis Akotuah	-	Drummer Grade II

## Clerical Staff

Mr. Kwame Ohene	-	Senior Administrative Assistant
Miss Esther Appiah	-	Typist Grade I
Mr. Eric Appiah Fianko	-	Messenger/Cleaner

## Research

### Adinku, W.O.

- Dance and the New Traditionalism.
- Dance Artists in Ghana's Education.

**Newman, S.A.**

- The healing effect of the African Dance Movements. (On-going)
- African Dance and Evangelism. (On-going)

**Seminar/Conference/Workshops/Production****Adinku, W.O.**

- Adapted Nigerian novel – “The Palmwine Drinkard” by Amos Tutuola, for choreography and dance Theatre. The production was staged at Efua T. Sutherland Drama Studio at the University of Ghana for three nights in April, 2002.
- Paper: Teaching Dance Education in Public Schools in Ghana. Presented at a Conference with the theme: Teaching Music Education in Ghanaian Schools, at Wesley College, Kumasi, September, 2002.

**Newman, S.A.**

- Choreographed and presented dances at eighteen (18) different locations during the year under review.
- Organized a one-day workshop at Kwame Nkrumah University of Science and Technology for about fifty (50) students on “The use of Dance to Communicate the Christian Message” on 12th April, 2002.
- Presented an Inter-Faculty Lecture on the topic “Dance: An Answer to some of our Numerous Health Problems” at University of Ghana on November 29, 2001.

**ABIBIGROMMA THEATRE COMPANY**

Abibigromma Theatre Company, the Resident Theatre Company of the School of Performing Arts, University of Ghana, Legon, was privileged to be invited by Parliament to perform a play, “Midnight Hotel” by Femi Osofisan, as part of activities marking Parliamentary Week at the National Theatre in January, 2002. Abibigromma performed *Ritual Murder* and *Ajamutukale*, both by Nii Kwei Sowah, and Femi Osofisan’s *Midnight Hotel*. Also included in the program were some musicals. The program was well attended, and saw the Rt. Hon Speaker of Parliament, The Majority Leader, the Clerk of Parliament, some Members of Parliament, members of the Diplomatic Corps and some Ministers of State at the event.

The group concluded a meaningful educational tour of selected second cycle schools in the Eastern and Greater-Accra Regions, with the play, *The Marriage of Anansewa* by Efua Sutherland. The tours sought to guide and prepare students of these schools in English and English Literature for the S.S.C.E. in June and July 2002, and drew appreciation from the heads, teachers and students of these schools.

Abibigromma was once again privileged to be appointed as the Official Cultural Group for the XVII Commonwealth games which was held in Manchester. The group was to assist the Ghana Olympic Committee in their activities to launch their

sponsorship program, both at home and in Manchester for the contingent and also to portray our Ghanaian culture as the games encompass not only sports but cultural exchanges as well. However, the group could not make it to Manchester due to a few lapses on the part of the organisers.

PLAN International, a humanitarian child-centred development organisation, held a 3 day international conference at the Volta Hotel in June this year. Abibigromma was invited to perform Drama, Music and Dance for the participants

Currently, the group is feverishly preparing to put up its last production for the year, "Our Husband has gone Mad Again" by Ola Rotimi, at the Efua Sutherland Drama Studio from the 4th to the 6th of December, 2002. Meanwhile, there are a number of outside campus engagements to honour before the end of the year.

### **Development Programmes**

Abibigromma is currently facing the problem of a place of rehearsal as the group has to share the ETS Drama Studio with Lecturers, students and groups or individuals who hire the space for one thing or another. So as part of measures to find a partial solution to the problem, Abibigromma has been given a temporary space at the Estates Department of the University, and are currently developing it to be used as an alternative rehearsal place. Abibigromma appeals to the University Authorities to help complete the development of the place. The group is also appealing to the University to help it acquire office equipment such as a computer with internet facilities and a photocopier. These items will go a long way to help Abibigromma in its international exploration.

### **Programme for Year 2003**

For the coming year a number of productions and activities has been planned. The group hopes to put up a number of plays, including, Martin Owusu's "The Story Ananse Told", Ama Atta Aidoo's "Anowa", and Ola Rotimi's "Midnight". The group will be 20 years old and plans are going on for this anniversary. It will be marked alongside the group's bi-annual Theatre Festival dubbed "Abibigro", which is to be held at the Efua Sutherland Drama Studio.

Also coming up will be some new musicals including an atenteben (flute) ensemble to be accompanied by dances under the supervision of Mrs. Margaret Cudjoe to be staged at the ETS Drama Studio in November, 2003.

Abibigromma has not performed an opera before. It is anticipated that the Artistic Director, Mr. T.E. Andoh, who is also a lecturer in Music, will direct an Opera and a musical piece to be produced in either November or December 2003.

In between the crowded schedules, the group would accept invitations to perform at state functions, or for private companies to enable the group earn revenue for the University. Already some invitations have been received from some state institutions and private corporate bodies to perform for them. Abibigromma is feverishly working

on these invitations.

Also, the Educational Tours will be pursued this year, to give live performances of the set text for both English Language and Literature. The group hopes to add one or two more set texts. It is Abibigromma's belief that these tours will go a long way to help students of the Second Cycle Schools understand the text for both English and Literature.

## **INTERNATIONAL CENTRE FOR AFRICAN MUSIC AND DANCE**

### **Overview**

The Centre was formally established at the University of Ghana in the 1992-93 academic year with the assistance of the Rockefeller Foundation, the Ford Foundation, and Swedish International Development Authority (SIDA) to serve as:

- a focus for the development of materials and programmes in African Music and Dance that meet the needs of scholars, research students, and creative artists;
- a Clearing House for information on events, artists, scholars and institutions concerned with the study and promotion of African Music and Dance;
- a forum for international meetings, conferences, seminars, workshops, and special events in music and dance.

The Centre operates as a unit within the School of Performing Arts where visiting scholars and artists can interact with students and staff in their areas of research and creative interest and avail themselves of the classes and private lessons in African music and dance given by the traditional musicians and dance instructors of the School.

### **Staff**

Dr. Asante Darkwa is the Acting Director and Emeritus Professor J.H. Kwabena Nketia who established the Centre now serves as a Consultant.

### **Local Secretariats and Chapters**

Formal approval has been given by a number of selected Universities and Institutes in other parts of Africa for ICAMD Secretariats and Chapters to be set up within their Departments of Music. These Secretariats and Chapters are intended to serve as the outposts for the coordination of programmes with scholars and artists in the West, East and Southern Africa regions. Support for the administrative, secretarial and communication needs of these units is therefore being requested from the Ford Foundation.

The units that are ready for support include University of Transkei, Umtata, (South Africa), Maseno University, Maseno (Kenya), Makerere University, Kampala (Uganda), University of Ibadan, Ibadan (Nigeria), Institute National Superieus des Arts et de l' Action Culturelle, Abidjan (Cote d'Ivoire).

## **Equipment**

The Centre now has facilities for recording on digital audio tape and audio cassettes as well as a turnable (45 and 33). Others are a CD player, equipment for dubbing reel to reel tapes, video and video cassettes, public address system (for conferences), a mixer, 8 Computers (in the office of the Director, Administrative Office, Secretary's Office, Publication Unit, Documentation Unit (CAN), Library and Audio-Visual Archive, and 5 Macintosh Power Books (Laptops) purchased primarily for the use of Fellows-in-residence and visiting scholars, a laser printer and 2 Epson Printers in the Secretary's Office and Documentation Unit's Office. It also has an HP Scanner and Duoscan AGFA Scanner. Others are a compact disc (CD-RW) writer/burner, a data cartridge storage facility, a compaq projector, digital video camera and accessories, a digital video player and multi-faceted still camera. Donations made to the Centre by Visiting Scholars include a still camera, portable cassette recorders and accessories.

## **Library and Audio-Visual Archive**

The holdings of ICAMD Library and Audio-Visual Archive have considerably expanded through direct purchases of local print and audio-visual materials as well as others acquired by the former Director during his trips to South Africa, Europe and the U.S. The library stocks important books on African culture, African music and dance, and books on other cultures. It has copies of dissertations, theses, long essays and very rare documents that cannot be found in Europe and America. The Library also has books on Western Music, Drama and Theatre Studies.

The audio-visual archive, which is the backbone of the Centre, holds over 11,500 audio cassettes, of which about 600 are field recordings by researchers, staff of the Centre and graduate students, as well as recordings of conferences, seminars and workshops organised by the Centre. There are 200 compact discs (CDs), 100 digital audio tape (DAT) recordings, 350 (VHS and Hi-Fi) video cassettes, 180 mini digital video cassettes and 500 coloured slides. Video interviews of 21 popular music artistes and 13 Gospel singers have been made as part of the ongoing CAN project on Music Makers.

The Culture African Network (CAN) is a non-profit Pan-African cultural project set up with funding from the Ford Foundation to establish a multi-media network for African Arts and Culture on a continental scale. There are seven core centres selected for the network and Ghana is one of the selected countries. The others are South Africa, Mozambique, Kenya, Ethiopia, Sudan, and Mali. The CAN Centre in Ghana is based at the International Centre for African Music and Dance, University of Ghana, Legon

## **Donations**

Donations of books, back issues of journals and periodicals, compact discs (CDs), audio cassettes and video recordings of field work in Ghana, were received from various individuals, organisations and institutions. By far the most extensive was about 200 books from the University of Michigan, Ann Arbor, U.S.A. This collection



includes music books on History of Western Music, Theory and Composition, Music Scores, Journals and Periodicals.

### **Core Activities of the Centre**

#### **The Documentation Unit**

The unit undertook the documentation of a few events such as the traditional dance forms and festivals of the Upper East and Upper West Regions in Ghana, the music and dance forms of Afa system of divination, and Akpalu songs of Anlo Ewes of the Volta Region.

A website, "African Traditional Popular and Art Music" has been designed by Dr. P. Zabana Kongo, a Senior Fellow of the Centre, to enable research scholars, composers and students access ICAMD's archival holdings. These holdings include audio-visual materials-tapes, quicktime files, videos, books, dissertations/theses, etc.

This objective has been extended to monitoring the Centre's activities and events (conferences, meetings, festivals, and concerts) as well as current research both in cultural and theoretical areas. Web pages have also been designed to provide musical material to be accessed by the youth.

#### **Memorial Lectures**

One of the major events of the Centre is the Dr. Ephraim Amu Memorial Lecture organised locally in March every year at the National Theatre. Last year's Amu Memorial Lecture was delivered by Emeritus Professor Kwesi Dickson under the title of "Music in Worship: Aid or Hindrance".

#### **Fellowship Programmes**

ICAMD has given two fellowship awards to young Ghanaian scholars who are pursuing graduate studies at the Institute of African Studies, Legon. All the expatriate Fellows of the Centre have completed their studies in Music and Dance except one who has presented his dissertation for assessment and waiting for the results and defence.

#### **International Cooperation**

Working relations have been established with a number of international bodies and institutions such as the International Music Council (UNESCO) for whom the Centre serves as a regional secretariat, University of Michigan, Ann Arbor, and Swarthmore College, where the Centre is developing a joint dance archive and exchange programme that allows for short term training in cataloguing, video editing, etc. to be arranged from time to time for ICAMD technical staff.

The Centre has sought further training and on-the-job experience in collaborative projects with the Colombia College of Chicago's Centre for Black Music Research (CBMR), for whom the technical staff of the Centre serve as editors on Africa for their

website. ICAMD is developing a joint website with the Archive of Traditional Music at Indiana University, Bloomington USA.

### **Publications/Productions**

ICAMD has published some music books, and teaching manuals and produced audio cassette albums and CDs on African Music. These include:

1. A Guide for the Preparation of Primary School African Music Teaching Manuals, (Edited by J.H. Kwabena Nketia)
2. 5 Dialects in African Pianism (Gyimah Labi)
3. African Pianism: Twelve Pedagogical Pieces (J.H. Kwabena Nketia)
4. African Drum Music: Kpanlogo, Adowa, Slow Agbekor, performed by Master Drummers of the Ghana Dance Ensemble (Kongo Zabana)

ICAMD hosted two international conferences last year, sponsored by UNESCO. The first was the International Music Council (IMC) conference on "The Revival of the African Music Rostrum" held at the School of Graduate Studies, Legon, from March 9-10, 2002. The second was on "Disseminating Our Musical Heritage: Local and Sub-Regional Participation in Culture Africa Network (CAN) Project", also held at the School of Graduate Studies, Legon, from March 22-23, 2002.

### **The Efua T. Sutherland Drama Studio**

The Efua T. Sutherland Drama Studio, appropriately named after its founder who, in 1961, built it with support from the Rockefeller Foundation, was commissioned by Osagyefo Dr. Kwame Nkrumah, the first President of Ghana. It was meant to provide a facility for experimentation in theatrical creativity, training of theatre artists and students in such areas as playwriting, directing, acting, and design, as well as offer the best in productions.

The E.T.S. Drama Studio has served the University community as the focal point for theatrical activity even as it continues to play its core role as a training and showcasing facility for the School of Performing arts.

Its unique design, modeled after the traditional Ghanaian "courtyard" household, has a multi-purpose application. It has a proscenium (or picture-frame) stage, theatre-in-the-round (or arena theatre), and an end-stage. The main problem is that during the rainy season, productions are sometimes adversely affected. However, this has been negligible in the past. It is hoped that when a new complex is put in place, the pressure on the studio will be eased somewhat.

# INSTITUTES

## INSTITUTE OF ADULT EDUCATION

### Overview

The Institute strove to focus on its three-fold mission – Teaching, Research and Extension in spite of huge financial and logistic constraints.

### Staffing

Twenty-two Senior Members made up of twenty teaching staff, a Senior Assistant Registrar and an Assistant Accountant are at post. Four of the teaching staff are on post-retirement contract.

### Courses

This year courses were offered at Diploma and graduate levels. Details of enrolment figures are as follows:

	Males	Females	Total
Diploma I	43	60	103
Diploma II	40	31	71
MA/M.Phil.	17	14	31
MA (Dissertation)	7	2	9
M.Phil (Year II)	9	4	13
Ph.D	5	1	6
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	121	112	233
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### External Degree Centre

The programmes at the external degree centre entered Level 400 this year. Enrolment figures for the centre stand at

Level	Males	Females	Total
200 (Beginners)	302	112	414
200 (Continuing)	291	124	415
300	390	130	520
400	401	123	524
Total	1384	489	1873

### Mature Students Selection Examination

The External Degree Centre continues to conduct selection examinations for full-time or part-time applicants above the age of thirty years who lack the basic entry requirements but show the ability to study at the University. This year applicants were selected through a series of examinations for Programmes run on campus.

### **Access Course**

The access course is an annual programme by both Accra and Kumasi Workers' Colleges to prepare candidates for the Mature Students' Selection exercise. The programme which is organised usually for five weeks covers four broad areas including English Language, Critical Analysis, Logic and Quantitative Methods.

In the year 2001, a total of 391 candidates registered for the Access Course.

### **Non-Formal Programme (Accra Workers' College)**

The Institute of Adult Education of the University, through the Accra Workers' College which is responsible for university-based adult education in the Greater Accra Region proposes to launch a Sustainable Community Development Programme (SCDP) in the Ga District.

The Sustainable Community Development Programme (SCDP) aims at promoting sustainable development at the grassroots level through capacity building exercises and empowerment of the people.

### **Goals and Objectives**

The goal of the programme, set within the framework of community development is based on the long term vision of poverty reduction through increased agricultural production, income generating activities and capacity building of the local actors.

In the light of the above, the main aim of the programme is to promote a process of sustainable people-centred development through community education.

The specific objectives of the programmes are:

- i. To empower the inhabitants of the target villages to identify their problems, formulate and implement programmes to solve those problems;
- ii. To build and strengthen local institutions at the grassroots level through community-based Organisations (CBOs);
- iii. To enhance the capacity of members of the target villages to effectively and efficiently manage their resources for their economic and social development.

### **Strategy**

Field trips were organised by the Non-Formal Unit of the College to two villages, Mayera and Katapor to ascertain the development needs of the communities. Focus group discussions were also organised for community leaders, the youth, men and women.

The College will plan and implement various activities under three entry points:

1. Environmental Management
  - Formation of community-based organisations or groups;
  - Promotion of environmental awareness and education.

## 2. Economic Development

- Formation of community-based organisations or group;
- Enhancement of local production systems;
- Establishment of market linkages and market information systems;
- Promotion of credit mobilisation and micro-enterprise development for the youth, men and women groups.

## 3. Social Development

- Promotion of education through functional literacy classes;
- HIV/AIDS prevention through community peer education programme;
- Raising awareness about adolescent reproductive and sexual health and rights of men, women and the youth;
- Promotion of strategies to control malnutrition among children;
- Promotion of good sources of water for the target communities.

### **Other Academic/Professional Programmes**

Some of the regional centres continued to run the Senior Secondary School programme and remedial classes for failed SSSCE candidates, especially at Kumasi, Wa, Sekondi/Takoradi and Cape Coast.

This programme continues to enjoy very good patronage, especially from workers who missed the chance of attending regular Senior Secondary Schools in their teen years. Also professional courses such as the Diploma in Business Studies and accountancy are catching on well especially in the northern sector.

The Awudome Residential Adult College is now set to begin short courses for professionals in area such as Programme Planning, Monitoring and Evaluation; Guidance and Counselling for personnel managers etc, and Communication skills.

### **Distance Education**

The two-year diploma programme in Youth in Development Work which was started last year has entered its final year and the students will complete the programme in June 2003. Face-to-face tutorials are held every six weeks for the learners and average attendance has been very good. A formative assessment of performance by the External Moderator has been very positive and lessons learned have been useful and will be relevant when the degree programme is launched.

The Distance Education Unit, however faces a few nagging problems that have delayed the launching of its own programme. First, it has been realised that the courses on offer are not demand driven. Secondly, Departments contracted to write the courses have failed to deliver or are rather too slow and thirdly the absence of editor for its works, especially an editor who can put the courses into the distance learning mode.

In spite of these setbacks, most Level 100 courses in English, Sociology, Study of Religions and Political Science that are required for the launch of a degree programme through distance education have been developed. The courses are

being edited for printing to enable the programme to be launched later this academic year.

### **Research and Publications**

Final editing of materials for the production of a handbook on adult education has been completed and submitted for publication.

Contributions and topics are as follows:

#### **Adoo-Adeku, Kate**

- Women in Ghana and Adult Education
- The Aged in Ghana: Implications for Adult Education

#### **Dorvlo, L.K.T.**

- Whither Social Science Research? Research On Adult literacy Teaching In Ghana: Adapting the Freirean Approach and Technique

#### **Aryee, E.A. & Badu-Nyarko, S.**

- Workers Education In Ghana

#### **Nsowah, S.**

- Entrepreneurship Development Training Programmes in Ghana

#### **Appiah-Donyina, Evelyn**

- Financing Adult Education in Ghana.

#### **Aryee, E.A.**

- Adult Education and the Youth in Ghana

#### **Fordjor, P.K.**

- Adult Literacy Education in Ghana.

#### **Oduro-Mensah, D.**

- Philosophy of Adult Education in Ghana.

#### **Kusi-Nkrumah, K.**

- The Social Context of Adult Education.

#### **Badu-Nyarko, S.**

- The Trends of Population, and Environmental Education.

#### **Kwasi, H.B.**

- Agricultural Extension and Rural Development in Ghana
- Civic Education in Ghana

**Amedzro, A.K.**

- University Based Adult Education in Ghana.
- Non-Governmental Organisations (NGO) In Adult Education

**Aggor, R.A.**

- Distance Education in Ghana.

**Tefe, T.**

- Non-Formal Education Division of the Ministry of Education (NFED) in Adult Education.

**Other Publications****Aggor, R.A. & Parry, I.W.(editors)**

- Report on the 50th Annual New Year School, Institute of Adult Education, Legon, May 2002

**Adoo-Adeku, Kate & Appiah-Donyina, Evelyn (editors)**

- "Good Governance and Sustainable Development" Report of the 53rd Annual New Year School, Institute of Adult Education, Legon, June 2002

**Appiah-Donyina, Evelyn**

- "Gender Impact of HIV/AIDS: Its implications for Adult Education Practitioners in West Africa" in Adult Education and Development (2002) IIZ/DVV, Bonn

**Workshops/Seminars/Presentations****Aggor, R.A.**

- Radio as a Tool for the Education of Adults: Paper presented at workshop for educators of agricultural extension agents, Crop Research Institute, Kumasi, November 2001
- Distance Education as a Tool for Development: Paper presented during AESAL week at the Institute of Adult Education, Legon, March 2002
- Continuing Education for Agricultural Extension Agents in Ghana Using Open and Distance Learning Methods and Materials: Paper Presented at the Pam-Commonwealth Forum on Open Learning, Durban, South Africa, July 2002
- Supporting Adult Learners at a Distance: Paper presented at Tutor Training Workshop for the Commonwealth Youth Programme at the Management Development Institute, Banjul, The Gambia, August 2002

**Adoo-Adeku, Kate**

- Presented a paper, Gender and HIV/AIDS: Some Case Studies in Ghana at a CSPS in House Seminar, January 2002
- "Adult Education and Community Development as a Tool for Promoting

- National Development. During AESAL week celebration, March 2002
- Attended the 2002 Women's World Congress in Uganda from July 16th – 20th 2002 and presented a paper on "Women's' Movement and Activism in Ghana. 1980 - 2000
- Participated in a development training programme on "Community Driven Development" (CDD) at Training of Trainers workshop in Kampala-Uganda from 25th – 31st August, 2002 organised by the World Bank

#### **Appiah-Donyina, Evelyn**

- Undertook a three-week training programme in Distance Education Management Information Systems at Faculty of Continuing Studies, Simon Fraser University, Burnaby Canada as part of the staff Development Programme of CIDA/AUCC Ghana Distance Education Development Project, February – March, 2001
- Participated in the Implementation Conference, Stakeholder Action for Our Common Future Workshop on HIV/AIDS at the Workplace at the Earth Summit, Johannesburg, South Africa, August 2002
- Trainer in Gender Component of Journey of Hope Methodology for HIV/AIDS Education and Prevention Strategy for Johns Hopkins University Centre for Communication Programmes, Ghana Country Office, July – September, 2001
- Co-Trainer in Good Governance for Members of District Management Committees of Integrated Rehabilitation of the Blind for Sight Savers International, Kete Krachi, Volta Region, April 2002

#### **Tagoe, M.**

- Co-facilitated a 5 – day training workshop for members of District Rehabilitation Team of Sight – Savers International on the topic " Good Governance". April, 2002
- Attended a 3 – day workshop on :Gender Issues Related to Reproductive Health, HIV/AIDS and Communication, conducted at Ho, Volta Region by Johns Hopkins University/Population Communication Services and the Centre for Development and Population Activities (CEDPA), 5th – 8th February, 2002
- Three – Day Sensitization Workshop for Prospective Female Candidates for the District Assembly Elections organised by Ministry of Women and Children Affairs. Paper presented was on "Fund-Raising Techniques". March, 2002
- One – day Workshop for Assisted Heads and Housemasters/Housemistresses of Secondary Schools in the Greater Accra Region held at Accra Girls Secondary School. Paper presented was on "Effective Leadership Skills and Conflict Management in Schools".
- Assisted in a research which was conducted in Northern Ghana on "Perceptions of Poverty". Funded by Water-Aid Ghana, June, 2002
- The Non-formal Unit of the Accra Workers' College has also introduced a Continuing Professional Development (CPD) programme for workers in the



Accra Metropolis in the year 2002. The Unit in collaboration with the English Department organised two workshops. The Technical Writing and Effective Report Writing Workshops.

#### **Badu-Nyarko, S.**

- Participated in IAE/Water Aid Research of "Perceptions of Poverty" in Northern Ghana, March 2002
- The Changing Patterns of Adult Education in a Metropolis: A Case Study of Kumasi Metropolis (on-going research).

#### **Badu-Nyarko, S. and Torto, B.**

- Learning Orientations of Part Time Adult students in Accra". *Journal of African Adult Education* (forth-coming).

#### **Constraints**

The major constraint for the Institute is still finance. A good number of the Institute's vehicles broke down and were auctioned without generating enough money to buy even a single vehicle. The remaining vehicles are over-aged and overused. Maintenance costs on them have been high and other equipment such as computers and copiers are often out of use. The Publications Unit, which is supposed to be the hub of the Institute's publishing activities, has not got a single machine for use.

While student numbers have been increasing in leaps and bounds over the past few years, the overstretched facilities are fast deteriorating. Massive support is needed to enable the Institute stand on it's feet.

## **INSTITUTE OF AFRICAN STUDIES**

#### **Introduction**

During the year under review, the Institute continued to carry on its main functions of research and teaching in the areas of History; Societies and Cultures; Religions and Philosophy; Language, Literature and Drama; Politics of Africa; Music and Dance; Visual Art and Media and Gender and Family Studies.

In addition, Fellows participated in many Workshops and Conferences in Ghana and abroad on issues on culture, health, environment, gender, development and social change in Africa.

Dr. (Mrs.) Irene Odotei continued to act as Director and Professor Takyiwa Manuh also continued to act as Deputy Director during the 2001/2002 Academic Year.

#### **Staffing Position**

At the beginning of the 2001/2002 Academic Year, the total workforce of the Institute was 133 made up of 27 Senior Members, 29 Senior Staff and 7 other Senior Staff of the Ghana Dance Ensemble, 29 Junior Staff and 28 other Junior Staff of the Ghana Dance Ensemble and 13 other staff at the Institute's Chalets.

## List of Senior Members

1. Dr. Irene Odotei - Ag. Director  
*BA (Hons) Ph.D. (Ghana)*
2. Prof. Takiwaa Manuh - Associate Professor,  
LL.B (Hons) (Ghana) Ag. Deputy Director  
LL.M.(Dar-Es Salaam)  
Ph.D (Indiana)
3. Prof. J. Hansen Kwabena Nketia - Emeritus Professor
4. Prof. Mary E. Kropp-Dakubu - Professor (on contract)  
*BA (Quebec) MA (Pen)*  
*Ph.D. (London)*
6. Prof. Christine Oppong - Professor  
*M.A. PhD Social Anthropol. (Cantab.)*  
*M.A. African Studies, (Ghana)*
7. Mr. Atukwei Okai - Senior Research Fellow and  
*MA (Litt.) (Gorky)* Head, Language, Literature &  
*M.Phil(London)* Drama  
*Dip. Tran. (Lumumba)*
8. Mr. F. Nii. Yartey - Senior Research Fellow  
Diploma Dance (Ghana),  
MFA (Illinois)
9. Dr. A. K. Awedoba - Senior Research Fellow  
*MA (Ghana), D.Phil. (Oxon)*
10. Rev. Dr. S.S Quarcoopome - Senior Research Fellow and  
*BA (Hons), MA., Ph.D (Ghana)* Head, African History and  
Politics
11. Dr. Owusu-Brempong - Senior Research Fellow and  
*BA (Iowa), MA., Ph.D (Indiana)* Head, Societies and Culture
12. Dr. (Mrs) Brigid Sackey - Senior Research Fellow and  
*MA (Marburg), Ph.D (Philadelphia)* Head, African Religion and  
Philosophy
13. Dr. Akosua Adomako-Ampofo - Senior Research Fellow  
*B.Sc. M.Sc. (UST),*  
*Ph.D (Vanderbilt)*

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|-----|---|---|---|
| 14. | Mrs.Esi Sutherland-Addy<br><i>BA (Ghana), MA (Calif.)</i>                                     | - | Research Fellow                               |
| 15. | Dr. Kojo Amanor<br><i>BA, Ph.D., (London)</i>   | - | Research Fellow                               |
| 16. | Rev. Dr. A. Ako Akroong<br><i>L.TH., BA (Hons) MA (Ghana),<br/>M.Th.(LSTC) Ph.D (Chicago)</i> | - | Research Fellow                               |
| 17. | Dr. Alex. A. Agordoh<br><i>BA. M.Phil (Ghana), Ph.D</i>                                       | - | Research Fellow                               |
| 18. | Mr. Kwame Amoah Labi<br><i>BA (Hons)(UST), M.Phil (Ghana)</i>                                 | - | Research Fellow                               |
| 19. | Mr. Nee Kwatey Owoo<br><i>BA (Hons)(London)</i>   | - | Film Production, Associate<br>Research Fellow |
| 20. | Ms. Misonu Amu<br><i>Dip. Music M.Phil. (Ghana)</i>   | - | Tutor   |
| 21. | Mr. Benjamin Obido Ayettey<br><i>Dip. Theatre Arts (Ghana),<br/>M.F.A. (Aziz)</i>             | - | Tutor   |
| 22. | Mrs. Olive A. Adjah<br><i>BA.,Dip.,Lib.(Ghana),<br/>MA. Library Studies (Liverpool)</i>       | - | Assistant Librarian                           |
| 23. | Mrs Delali Badasu<br><i>B.A (Hons), MA (Ghana)<br/>MA (Alberta)</i>                           | - | Co-od Graduate Seminars                       |
| 24. | Mr. Ebenezer Ayesu<br><i>BA (Hons) History,<br/>M.Phil. African Studies</i>                   | - |   |
| 25. | Mr. Osman A. R. Alhassan<br><i>BA (Ghana), M.Phil (Bergen)</i>                                | - |   |
| 26. | Mrs Stella Dovlo<br><i>B.A (Hons) M.P.A (Ghana)</i>   | - | Administrative Secretary                      |
| 27. | Thomas K. Aning<br><i>Dip. Admin (Ghana) MA (London)</i>                                      | - | Archivist                                     |

### **Senior Staff**

There were 36 Senior Staff (including 7 members of the Ghana Dance Ensemble) in the Institute. 29 Senior Staff and 7 other Senior Staff of the Ghana Dance Ensemble.

### **Junior Staff**

There were 29 Junior Staff and 28 other Junior Staff of the Ghana Dance Ensemble.

### **IAS Chalets Staff**

There were 13 other employees at the Institute's Chalets.

### **Courses**

As in the past, the Institute was responsible for teaching the Level 200 course in African Studies. This Course was again taught in two (2) parts. Eight courses were taught for the Part A on culture and development issues in Africa in the First Semester. Part B, which enabled students to acquire knowledge and practical skills in Languages, African Music, Dance and Drama through participation in demonstration classes, was also taught in the first and second semesters.

#### **Group A**

AFST 200	Appropriate Technology for Rural Development In Africa
AFST 210	The Social Framework of Economic Development
AFST 220	Africa in the Modern World
AFST 221	Africa and the Diaspora
AFST 230	Culture and Development
AFST 231	Chieftaincy and Development
AFST 240	Our Africa Heritage through Literature
AFST 250	African Popular Culture: Traditional Festivals and Funeral Ceremonies

#### **Group B**

AFST 260	Language Proficiency Course
AFST 270	African Music
AFST 280	African Dance
AFST 290	African Drama

#### **M.A./M.Phil. Courses**

AFST 601:	Research Methods I
AFST 602:	Research Methods II
AFST 603:	Theories and Strategies for Development in Africa I
AFST 604:	Theories and Strategies for Development in Africa II
AFST 605:	Government and Politics of Independent African States I
AFST 606:	Government and Politics of Independent African States II
AFST 607:	African Oral Literature (Part I)
AFST 608:	African Oral Literature (Part II)
AFST 609:	Drama in African Society (Part I)
AFST 610:	Drama in African Society (Part II)
AFST 611:	African Literature (Written I)

- AFST 621: African Literature (Written II)
- AFST 613: African Social Systems
- AFST 614: African Political Systems
- AFST 615: Religions of Africa (Part I)
- AFST 616: Religions of Africa (Part II)
- AFST 617: Music in African Cultures (Part I)
- AFST 618: Music in African Cultures (Part II)
- AFST 619: Social Change in Modern Africa (Part I)
- AFST 620: Social Change in Africa (Part II)
- AFST 621: African History I: Historiography and Methodology
- AFST 622: Ghana Since 1945
- AFST 623: The Slave Trade and Africa
- AFST 624: History of Pan-Africanism
- AFST 625: Ghana: Coastal States in the Seventeenth Century
- AFST 626: Colonial Rule and African Responses
- AFST 627: Asante 1824-1874
- AFST 628: Islam and Christianity in Africa
- AFST 629: Economic History of West Africa Since 1800
- AFST 631: Culture and Gender in African Societies
- AFST 632: Gender and Development in Africa
- AFST 640: Seminar Presentation I & II
- AFST 641: African Family Studies (Part I)
- AFST 642: African Family Studies (Part II)

### **Student Numbers**

During the 2001/2002 academic year, 4,365 students registered for the Level 200 African Studies course. 24 students were admitted to the M.A./M.Phil. Courses and to the Ph.D. course. In addition, there were 53 MA/M.Phil. and 15 Ph.D. continuing students. The Institute also hosted two occasional and affiliate students, twenty-five from School for International Training (U.S.A.).

### **Staff/Graduate Seminars**

The Institute's staff and graduate seminars, which give students the opportunity to present their theses proposals and research findings as well as expose them to broader research issues and findings by Fellows and visiting academics, came off as usual during the 2001/2002 academic year. The seminars were well patronized by staff, students, visiting professors, students from other Universities, University community and others from the wider society. A total of twenty-one speakers presented papers on a wide variety of topics on Africa's Culture, Religion, History, Music, Linguistics and the Diaspora.

Listed below are topics of papers presented at the seminars:

- Marriage among the Larteh Guan: Mr. Stephen Aboagye.
- Aquashie Buachi: Biographical Sketch: Dr. An-Sophie Arnold, Prof. Dr. Phil Habil, Institute of African Studies, Leipzig University, Germany.

- Saying it Without Saying it: An Investigative study of a Way of Speaking by Taxi Drivers in Ghana: Mr. D. Adu Amankwa, Indiana University, USA Ph.D Candidate.
- The Role of Geographic Information Systems (GIS) and Remote Sensing in Socio-cultural Research: Mr. Osman Alhassan, Institute of African Studies, University of Ghana, Legon.
- Crisis or Change: Gender Socialization, Schooling and Teenage Pregnancy in Ghana: Miss Angela Bratton, Indiana University, Ph.D Candidate.
- Man-Woman: Gender and Management. The Case of Female Canoe Owners Along the West Coast of Africa: Dr. Irene Odotei, Institute of African Studies, University of Ghana, Legon.
- Teiko Sackey aka Christian Protten: The First African Grammarian: Prof. M.E. Kropp-Dakubu, Institute of African Studies, University of Ghana, Legon.
- Witchcraft and Marginalization of Women: Rev. Dr. A.A. Akrong, Institute of African Studies, University of Ghana, Legon.
- Literature and Tension in the Lives of African Women: Mrs. Esi Sutherland-Addy, Institute of African Studies, University of Ghana, Legon.
- Development of Church Music in Ghana: Dr. A.A. Agordoh: Institute of African Studies, University of Ghana, Legon.
- Workshop on Socio-cultural Dimensions of Reproductive Health and Human Development in Ghana: IAS & School of Public Health, University of Ghana, Legon.
- Graduate Students' Library Tour: Mrs. Olive A Adjah, Institute of African Studies, University of Ghana, Legon.
- Ecological Modernization in Ghana: Dr. Kojo Amanor, Institute of African Studies, University of Ghana, Legon.
- Demand for Sex: Sexual Exchange in Sub Saharan Africa: Dr. A. Adomako Ampofo, Institute of African Studies, University of Ghana, Legon.
- Workshop on "Globalization and Changes in Cultures of Survival and Care": IAS & University of Bergen.
- Presentation of Dissertation Topics: Graduate students, Institute of African Studies, University of Ghana, Legon.
- Chieftaincy, Christianity and Politics in Akwapim: Mr. E. Ayesu, Institute of African Studies, University of Ghana, Legon.
- The Ewes of Ghana: People of Two Musical Cultures: A.A. Agordoh, Institute of African Studies, University of Ghana, Legon.
- Creating Order out of Chaos: The Evolution of a Doctoral Dissertation: Miss Akosua K. Darkwah.
- Globalization and the Disruption of Mothercare: Prof. Christine Oppong, Institute of African Studies, University of Ghana, Legon.
- Seeking to be Christian in Race Relations: Benjamin May's Black Prophetic Christianity and American Racism: Dr. Randal Jelks, Associate Professor of History, Calvin College, Grand Rapids, Michigan.
- Doing Focused Ethnographic Research: Dr. A. K. Awedoba, Institute of African Studies, University of Ghana, Legon.

## **Publications**

In 2001/2, considerable progress was made towards putting the Publications Unit on a firmer footing both academically and financially:

- an Editorial Office was developed, which also currently serves as bookshop
- an Editorial Assistant was employed on National Service, and a new one has started work.
- a computer has been acquired
- internet connectivity has been installed in the office (but there is still no telephone)
- a bank account has been established specifically to receive income from publication sales and grants, and disburse grants in aid of publications.

## **IAS Research Review**

- Research Review: Vol.15 No.2 (health issues), Vol. 16.1 (religion topics), Vol.16.2 (language topics), Supplement 14, the Proceedings of a Seminar held by the GILLBT. Collected Language Notes series: S. Ntummy Ahanta Phonology (No.23) Occasional Research Papers Series 2000: C. Oppong, Crying Infants, Smiling Babies (No.4) B. Sackey, Women, Religion and Health: Faith Healing in Accra, a preliminary study of Rev. Christie Doh-Tetteh's Solid Rock Chapel International (No. 5).

All these items were published and printed using the Institute's own printing and binding equipment, which keeps the prices of our publications much lower than would otherwise be the case, and thus more available to the local academic readership.

## **IAS Occasional Research Papers Series - 2001**

### **Odotei, Irene**

- (forthcoming) Sea Never Dry But ... : Fishing, Tradition and Development in the Artisanal Marine/Inland Fisheries and Aquaculture (forthcoming)
- Man - Woman': A Case Study of Women Canoe Owners At the Tema Fishing Harbour
- (forthcoming) Sea Power, Money Power: Migrations in the Ghanaian Artisanal Marine Fishing Industry in the Republic of Benin.
- (Forthcoming) Oshikanti - Your Money Is Growing Fat: Fishing, Migration And Technology/Transfer - Ningo - A Case Study
- (forthcoming) "Historical Overview of Marine Fishing in Ghana
- (forthcoming) There is Money in The Sea: Migrations in the Ghanaian Artisanal Marine Fishing in Cote de'Ivoire
- (forthcoming) Elmina Fish Mongers
- Odupon Kesie Etutu (A mighty Tree Has Fallen) A Video Documentry on the Death and Burial of the late Otumfuo Opoku Ware II, Asantehene
- Nana Nie; Mo Ne Yo (Hail the King, Congratulations) A Video Documentary On The Installation Of Otumfuo Osei Tutu II, Asantehene Go mu Brebre (Go

Gently) AYIKESIE (The Great Funeral) A Video Documentary on the Final Funeral Rites for the Late Otumfuo Opoku Ware II.

- (Forthcoming) The King Has Gone To the Village: Burial of Otumfuo Opoku Ware II. Edited by Dr. Irene Odotei and Professor G. P. Hagan
- (Forthcoming) Royal Rites: Picture Book on Burial, Installation and Final Funeral Rites of Asantehene.

#### **Guarcoopome, Samuel S.**

- Municipal System and Local Administration At Cape Coast; 1858 – 1957 (Accepted for Publication in Forthcoming Book on Chieftaincy Governance and Development)
- The Reforms of Sir F.G. Guggisberg and Politics In Accra (Unpublished Manuscript.)
- "We are Asantes" The Role of Muslims in Asante Rituals. Hagan, George and Odotei Irene (Eds) *The King Has Gone to the Village*. Institute of African Studie, University of Ghana, Legon 2001 pp. 111-118.

#### **Adomako Ampofo, Akosua**

- "When men speak women listen"; Gender Socialisation and Young Adolescents' Attitudes to Sexual and Reproductive Issues'. *African Journal of Reproductive Health*. 5(3) 196-212. 2001.
- "Aben wo ha," Socialization of Boys and Girls and Behavioural Outcomes; Sexual Identities and Practices in Ghana." *The Health and Development of African Male Adolescents and Young Men*. WHO/UNAIDS. 2001.
- "The Sex trade: Globalisation and Issues of Survival in Sub-Saharan Africa." *Research Review*, Vol. 17(2); 2001.
- "Prostitution in Africa." In Jacob E. Mabe (Ed.) *Afrikalexicon (Encyclopedia)*. Stuttgart and Wuppertal: Verlage J.B. Metzler and Peter Hammer: 5005-506.

#### **Adomako Ampofo, Akosua with Nii-Amoo Dodoo, F**

- "AIDS-Related Knowledge and Behavior among Married Kenyan Men: A Behavioral Paradox?" *Journal of Health and Human Services Administration*. 24(2): 197-231.

#### **Awedoba, A.**

- *Culture and Development*. Text book for Level 200 Students Preliminary Edition. Institute of African Studies. 2001.
- "Help-Seeking and Coping Strategies in Onchocerciasis Afflicted Communities in the Context of Globalisation". *Research Review*, Vol. 17(1) 2001: 49-62.
- Social Roles of Riddles, with Reference to Kasena Society'. *Research Review*, Vol.(2) 2000: 35-51.

#### **Okai, A.**

- Formal opening of the 49th Annual Council meeting of the West African Examinations Council (WAEC), Accra International Conference Centre,



Accra, 13th March, 2001. Role: Performed poems: "Rosimaya" and "The Bond-Oath of Ubuntu"

- The poem, "Rosimaya", performed in the film "Kakraba", telecast on Ghana Television, 7.00 p.m., 18th March, 2001.

### **Sutherland-Addy, Esi**

1a. "The Ghanaian Feature Video Phenomenon: Thematic Concerns and Aesthetic Resources" and 1b. "List of Feature Video Films 1987 – 1993" In special issue of *Matafu 21-22: A Journal of African Culture and Society*. Subtitled *Fontomfrom Contemporary Ghanaian Literature, Theatre and Film*. Kofi Anyidoho and James Gibbs (Eds) 2000.

- "Continuity and Change In African Culture: the Role of Women". in *Women Build Africa*. Lissette Ferera (Ed) Musee de la Civilisation.
- "Ama Ata Aidoo: Une voix pour le femmes" (translation) *Notre Librairie Revue des Litteratures du Sud*. No. 140. Avril-Juin 2000
- "Fear Woman: The Image of Womanhood in Popular Performance Culture" (forthcoming)
- FAWE: Addressing Gender Inequity in Education in *Sex Work and Survival: Gendered Struggles and Coping Strategies in Ghana at the Close of the Twentieth Century*. (Eds) Christine and Yaa Pokuaa Afiriye Opong (forthcoming)
- "Drama In Her Life: The Story of Adeline Buabeng" in *African Theatre 3* (forthcoming)
- "Speaking War and peace" in *Transactions of the Historical Society of Ghana*. (forthcoming)
- Women, Intangible Heritage and Development: Perspectives from the African Region.
- "The Nature of Challenges to Women's Leadership In Governance and Development" prepared for the National Institutional Renewal Programme.

### **Sutherland-Addy, Esi with Hagan, G.P.**

- Commentary and Narration of Institute of African Studies: Film production of *The Funeral and Installation of the Asantehene*.

### **Kropp-Dakubu, Mary-Esther**

- (2001) The "Mande loan element in Twi" revisited. *Sprache und Geschichte in Afrika* 16/17: 273-91.
- (2000a) Multiple Bilingualisms and Urban Transitions: Coming to Accra. *International Journal of the Sociology of Language* 141: *Sociolinguistics in West Africa*, ed. A. Bamgbose. Pp. 9-26
- (2000b) The particle *la* in Gurene. *Gur Papers/Cahiers Voltaïques* 5: 59-65.
- Interrogative Structures in Gurene. To appear in *Gur Papers/Cahiers Voltaïques*, No.6. Ga Phonology. To appear in the Language Monographs Series, IAS. (forthcoming)

### **Amu, Misonu**

- (forthcoming) "Creativity and Tradition: The Contribution of Maame Afua Abasa – Leader and Co-founder of Manhyia Tete Nnwonkoro", *Research Review*, IAS.
- (forthcoming) "*Kwadwom: The 'Hidden' Music at the King's Funeral*". Institute of African Studies publication on the funeral of the Asantehene, Otumfuo Opoku Ware II).

### **Agordoh, A. A.**

- Revision of the text book:- *Studies in African Music*, 2001. (in print).

### **Akrong, A.A.**

- "Salvation in African Christianity" *Legon Journal of Humanities*. Vol.. XII 1999 - 2000
- Neo-Witchcraft Mentality in Popular Christianity,- *Research Review*, New Series, 16, 1, (2000).

### **Brempong, O.**

- "The concept of God in Highlife Songs". *Research Review* forthcoming.
- Proverbs And Proverbial Sayings in Highlife Songs". *Research Review*, (forthcoming).
- "Folktale Performance in Highlife Songs: An empirical Observation". *Research Review*, (forthcoming).

### **Ayettey, B.O.**

- Ongoing Choreography: "*Zahinte*" A choreograph piece on Nightmare with the Ghana Dance Ensemble, IAS, University of Ghana.

### **Badasu, D.**

- "The Demographic Transition of Ghana", *Journal of Social Science*, (Forthcoming).
- "Regional Disparities in Ghana's Fertility Transition", *Bulletin of Ghana Geographers' Association*. (Forthcoming)
- "Public versus Private Resources for Management of Childbirth and Care", *African Studies Review*, (Forthcoming).

## **Research Projects**

### **Odotei, Irene**

- Chieftaincy, Governance and Development Project (A Ford Foundation funded project)
- Community, Organisation and Popular Protest in Ghana: the role of Asafo Companies in Historical and Contemporary perspective, Trondheim/ University of Ghana Co-operation Programme

**Manuh, Takyiwaa**

- Transformation and Change in Ghanaian and African Higher Education. 2. Gender Violence in Ghana

**Awedoba, A.**

- Chieftaincy, Governance and Development; Improving the Quality of Primary Education in Ghana; Household Demand for Schooling in Ghana; Ethnographic Study of Trachoma in the District of the Upper West Region.

**Adomako Ampofo, Akosua with Arthur, Alexina**

- Mentoring Young Female students at the University of Ghana, Legon, a study of Student and Tutors Needs.

**Adomako Ampofo, Akosua with Nii-Amoo Dodoo, F.**

- Gendered Outcomes: The Differential Effects of the Socialization of Ghanaian Female and Male Adolescents on their Sexual Culture, Gender Violence in Ghana.

**Okai, A.**

- Infrastructural Symbolism in the African Novel: The intensificatory principle in Modern Ghanaian Literature; The imprisonment and liberation of reality in the African novel; The system of images and system of values in Modern African Poetry; Literature for African Children; Publishing and the development of literature; The writing of children's textbooks.

**Sutherland-Addy, Esi**

- Women Writing Africa Project; Reader for Level 200 African Studies Course; Impact Study of Girls' Education Programme in Ghana; Akan Literature Textbook.

**Quarcoopome, S.S.**

- Ga Project on Culture and Tradition: Documentation of Ga Homowo Festival
- Urban Impact on Traditional Values at Tema Manhean
- Identification and Documentation of Historical Sites and Monuments in Accra
- Archival Research on Colonial and Post-Colonial Urban Policies in Ghana
- Collection and Documentation of Ga Mashie Oral Sources.

**Kropp-Dakubu, Mary-Esther**

- Grammar of Farafara (Gurune), Upper East Region
- Ga grammar and linguistic typology.

**Amu, Misonu**

- A Study of traditional women musicians in the Gbi traditional area in the Volta region.(Ongoing)

**Agordoh, A.A.**

- Church Music in Ghana (Ongoing)
- The Musical Traditions of the Ewe of Ghana (Ongoing)
- Trends in Church Music in Ghana.

**Ayetey, B.O.**

- "ODADAA" Lifting of ban on drumming and excessive noise making in the Ga' traditional Area (Gbese) Accra (Ongoing)
- Enskinment of "Dagbamba" chief of Madina, Accra. (Ongoing)
- Research into African traditional Dances (Ongoing)

**Sackey, Brigid M.**

- Research into religious movements and their contribution to society in Kasoa and Accra;
- Ongoing research into Gender and Religion in Accra
- Ongoing Kasoa Project: The Church Of Nyamesom Pa (Ekwam Revisited)
- Ongoing joint project on the origins of the Kuntunkuni Cloth in conjunction with SACOST Centre, University College of Education, Winneba.

**Owusu, B.**

- Chieftaincy, Governance And Development Project.
- Taboos And Chieftaincy.
- The Genesis Of Asafo Institution.
- Festivals of Ghana.
- Akan Folktales of Ghana

**Akrong, A. A.**

- Religion and Leadership
- Religion and Human Rights

**Workshops /Conferences/Seminars****Odotei, Irene**

- Annual Conference of the Historical Society of Ghana. Institute of African Studies Chalets, Legon, 25th -28th July, 2002.
- The State of African Studies in West Africa: Perspective from Francophone and Anglophone University of Florida, 18th - 19th July, 2002 "Enhancing Output Through Partnership" Research: Publication and Teaching".
- Capacity Building Workshop for Ga Dangme Chiefs. 2nd - 6th July 2002.
- Religion and Traditional Leadership Conference, Noguchi Memorial Institute, 21st - 24th April 2002.
- Social and Cultural Dimensions of Reproductive Health and Human Development, Accra, 27-29 June 2002
- Gender and Traditional Leadership, Legon, February 23rd - 27th 2002
- Gender, Religion and Traditional Leadership Seminar, Legon, 20th - 21st February 2002

- Christianity and Traditional Leadership, Legon January, 23rd – 27th 2002
- Conference on the Cultural Dimension in Development Aid, Dar es Salaam, Tanzania 27th – 30 November, 2001
- Seminar on Globalization and Changes in Cultures of Survival and Care, Legon October, 10-17, 2001

#### **Manuh, Takyiwa**

- (2001e) 'Gender and Agriculture in Africa' Paper presented at GERA Training Workshop on "Gender, Trade and Investment in Africa". Accra, June 27-July 5.
- (2001d) 'Consensus Building – An Effective Tool for Democratic Governance in Africa : The Role of the National Commission for Civic Education.' Paper presented at the Public Forum organized by the Ghana Academy of Arts and Sciences and the Friedrich Ebert Foundation. Accra, June 18.
- (2001c) 'Past and Present Roles of Female Rulers in the Traditional Political Systems of Ghana.' Presentation to Conference on the Chief as a Development Agent, KNUST, Kumasi, June 17.
- (2001b) 'The Ghanaian University in the Year 2050,' Paper presented at Ford Foundation Retreat on Envisioning the African University in the year 2050. Selborne Resort Hotel, Durban, South Africa, May 29-June 1.
- (2001a) 'On Teaching Gender in an African University' Paper presented at Conference on "Africa after Gender". University of California at Santa Barbara, USA. April 20-21.
- (2000d) 'Surviving Poverty and Homelessness in Accra'. Paper presented at the SAL/IAS 'International Workshop on the State and Everyday Life in Africa'. Legon, November 30-December 2.

#### **Quarcoopome, S.S.**

- Workshop on 'Managing Religious Conflict in the Greater Accra Region' Exhibition Hall, National Theatre - 12 -13 April 2000 Seminar on "Religion and the Media" at GIMPA, Greenhill, Legon : 22-26 May 2000

#### **Adomako Ampofo, Akosua**

- "Gender Relations and Adjustment in Ghana." Presented to the Conference on Structural Adjustment and Socio-Economic Change in West Africa." Lagos, Nigeria; April 27-29, 2001.
- "Who is the Driver and who is the 'Mate'?: Gender Orientations and Household Decision Making in Ghana". Annual Meetings of the African Studies Association; 16- 19 November, 2000, Nashville, Tennessee.
- "Gender Issues in Ghana Today." Panel discussion to commemorate International Women's Day; Women's Commission of the University of Ghana Students' Representative Council; University of Ghana; March 9, 2001.
- "Aben wo ha: Socialisation of Boys and Girls and Behavioral Outcomes; Sexual Identity and Practices." Paper presented to Panel on Sexual and Reproductive Health Needs and Perspectives of Adolescent Males in Sub-

Saharan Africa; for the Child and Adolescent Health Department, WHO, Technical Consultation on programming for boys in the AFRO Region. September 27-29, 2000, Pretoria, Republic of South Africa.

**Awedoba, A.**

- 3 workshops sponsored by AIR (Virginia) and USAID on Improving the Quality of Primary Education in Ghana conducted in Cape Coast University
- 3rd International Colloquium on Gur Languages, Kara, Togo. 19th - 22nd February, 2001. Read a paper on "The Criteria for Nominal Classification in Kasem"
- 45th Annual Meeting of Comparative and International Education Society, Washington Hilton and Towers, Washington D.C., March 14th - 17th, 2001. Read 2 papers on Improving Educational Quality/Ghana - Policy Dialogue and Classroom Based Research on Ghana's School Language Policy and Examining the Cases: Attitudes Towards an Instruction in the Local Language.

**Okai, A.**

- Lecture on "The Culture Hero In African Literature and Politics" by Dr. Ato Quayson, Director of the African Studies Center Cambridge, University, Dance Performance Hall I.A.S., 7TH September, 2000. Role: Chairman
- The Fourth PAWA Annual Lecture, by Dr. Nathan Shamuyarira, on "Pan Africanism and the challenges of Globalisation", at PAWA House, 2nd - 3rd November 2000 Role: Organiser
- Special meeting of the OAU Ambassadors, and Ministers of Foreign Affairs, and Summit of the Heads of State and Government for the adoption of the African Union Treaty in Tripoli and Sirte, Libya, 20th February to 4th March, 2001. Role: Observer (and Head of Delegation of the Pan African Writers Association).
- Literary Soiree for the Commonwealth Writers Prize 2001 Ghana Program, the Wole Soyinka Courtyard, PAWA House, Accra, 24th March, 2001, Role: Host/Performer
- World Intellectual Property Organisation (WIPO) conference, addressed by the Attorney General, at the FAO conference room, Accra 30th April, 2001. Role: Participant
- OAU and UNICEF conference on "The Future of the Youth", at the Cairo International Conference Centre, Cairo, Egypt, 26th to 31st May, 2001. Role: Participant.
- OAU/ECA Conference on "African Union and Civil Society", 11th-15th June, 2001, Addis Ababa, Ethiopia, Role: Participant. Presented statement on the African Union on 12th June, 2001 at 4.30 p.m.
- Ghana Homecoming Summit, 23th-25th July, 2001, at Accra International Conference Centre, Role: Participant

**Sutherland-Addy, Esi (Selected)**

- Institute of African Studies, University of Ghana, Legon. "Chieftaincy,

Governance and Development Workshop for Trainers". IAS Chalets. 19th – 27th May 2001. Presentation: Verbal Arts of other Society.

- "National Round-Table Seminar Series on Higher Education" Role: Resource Person. Venue: Maputo, Mozambique. 22nd February–3rd March, 2001.
- 14th Conference of Commonwealth Ministers of Education and Symposium. Theme: "Solutions to Education Challenges". Role: Participant. Venue: Halifax, Nova Scotia, Canada. Date: 26th – 29th Nov. 2000.
- National Development Planning Commission "Peer Review Workshop on Ghana – Vision 2020: The Second Step Policy Framework" Presentation: Human Development/Enabling Environment. M-Plaza Hotel, Accra. 9th November, 2000.
- Ghana Institute of Architects: "International Seminar On The Future Of The City & Perspective On Sustainable City Planning & Development". Theme: Visions Of The City: Accra In The 21st Century. Role: Chair- Plenary Session. 4th – 5th October, 2000. Accra International Conference Centre.
- Ghana Education Service (GES) "Workshop on the Management of the Procurement in the Ghana Education Service" Role: Chair-Plenary Session. 20th July, 2000.
- National Institutional Renewal Programme (NIRP) "Effective Leadership for Good Governance in the 21st Century" 13th – 14th July 2000. Role: Chair: 3rd Plenary Session and, Presenter: Paper Presented: The Nature of the challenges to Women's Leadership in Governance and Development. Accra – Ghana.
- "2nd Annual Public Services Commission Lecture". Role: Chairperson. 24th May, 2000. Accra.

### **Kropp-Dakubu, Mary-Esther**

- 3rd Colloque Internationale sur les langues gur (voltaïques), Kara, Togo, Feb. 19-22, 2001.
- 22nd West African Languages Congress, Legon. 15-19th August, 2000.
- 3rd World Congress of African Linguistics, Lome, Togo, 21-26th August, 2001.
- Habitual Aspect and Repeating Action in Ga and Dangme: Reconstructing Kwa Grammar.
- Major African Languages in Ghana: Prospects for the 21st Century.

### **Akrong, A.A.**

- Seminar on Gender Leadership and Religion – February, 2002
- Seminar on Christianity and Traditional Religion – March 2002
- National Conference on Religion and Traditional Leadership – April, 2002
- Seminar on Religion and Human Rights – November, 2002.

### **Brempong, O.**

- Workshop for field Researchers, I. A.S. Legon. Chieftaincy Workshop for Trainers Workshop on Evaluation of Stool Histories.

### **Badasu, D.M.**

- Workshop on "State and Everyday Life in Africa". Institute of African Studies. University of Ghana, 30th November – 4th December, 2000
- Conference on "Chieftaincy, Governance and Development" organized by the Institute of African Studies, University of Ghana and held at the School of Administration, University of Ghana 17-20 January 2001.
- "The Regional Disparities in Ghana's Transition" Presented at the Institute of African Studies Weekly Seminar Series, University of Ghana, 16th November 2000.

### **Agordoh A. A.**

- "Playing With Identities in Contemporary Music in Africa" – A research Conference from 18-25 October 2000 in Turku/Abo, Finland- Participant: Presented a paper on Contemporary African Music in the Ghanaian Church.
- Olivet Lecture and Symposium Series – 6 – 15 April 2001, Olivet College, Michigan, U.S.A.: Participant : Presented a paper on The Role of Traditional West African Music in the lives of West African People.

### **Ayettey, B.O.**

- Organized three choreograph workshops on dance drama for the teachers of second cycle institutions in the Greater Accra Region.

## **The Institute's Programmes and Activities**

### **Outreach Programmes**

#### **Creative Dialogue Series**

In collaboration with the English Department, the Institute of African Studies continued the Creative Dialogue Series, which was developed to bring the public into close contact with the icons of creativity in the society and to honour their work. Professor Kofi Awoonor; Poet, Novelist and Diplomat, Kwaw Ansah, Film Maker, and Ama Ata Aidoo, Novelist and Dramatist, have featured in this year's series.

#### **Ghanaian Language Symposia**

As part of the 40th anniversary celebration of the Institute, Ghanaian language symposia were organized to hold intellectual discussions in our local languages on experimental basis.

#### **Night Market and Story Telling Programmes**

As part of the 40th Anniversary Celebrations of the Institute, a Night Market and Story Telling programme was organised also on experimental basis. The programme was designed to re-introduce the public, especially the young, to traditional foods and forms of entertainment.

### **Library**

During the year under review, the library processed 157 books and 15 theses.



Donations were received from Prof. Christine Oppong, Dr. F.A. Gockel, Dr. Awedoba, Jean Allman, Sara Berry, Catherine Cole, CODESRIA, Nordic African Institute, Uppsala, and the African Studies Centre in Leiden and from the following individuals who made donations to Zed books to have books sent to the library.

1. Ray Bush (U.K.)
2. Prof. Wolfgang Bebedek (Austria)
3. Dr. Gerd Oberleitner (Austria)

The library started taking students from the Department of Information Studies to undergo their practical attachment for a period of four weeks.

It is the hope of the library staff that library routines will be automated soon to enable the library deliver more efficient services.

### **The Ghana Dance Ensemble**

The Ghana Dance Ensemble (GDE) continued to enrich the cultural life of the University campus by playing important roles in the Institute's programmes as well as the University's major programmes during congregation, inaugural lectures, welcoming parties, funerals and exhibitions.

There were many public performances and workshops for companies and the general public during the 2001/2002 academic year. There were special evening performances at dinners (local and state) and especially at the Institute's chalets. The 2001/2002 season included free informal performances for visitors to this campus and country, friends of the Ghana Dance Ensemble and the Institute.

The GDE also continued to play their academic role by teaching the Level 200 African Studies Programme of the University. The programme provided a broad spectrum of lecture topics, traditional and choreographic dances. It also provided workshops for local and foreign scholars as well as visitors.

### **I.A.S New Building Project**

Though not fully completed, the IAS New building was opened by Oyeeman Nana Wereko Ampem II, Chancellor of the University of Ghana, on the 30th of September, 2002.

### **I.A.S Chalets**

As part of its income generating activities to supplement government funds, the Institute continued to operate the facility on commercial basis. The facility was also used to run a number of programmes for both local and foreign clientele.

### **Manhyia Archives**

The basic function of Manhyia Archives namely accessioning, preserving, describing and making available for the public and researchers those records of the Kumasi Traditional Council, former Kumasi Clan Courts and Asanteman Council and their

predecessors that have sufficient historical or other value to warrant their continued preservation were vigorously pursued during the period under review. The automation of our finding aids is in progress.

### **External Linkages**

During the year under review, the Institute of African Studies continued its programme of linkages with outside organisations and institutions. The most active ones being the School of International Training, and the relationship with the Ghana Institute of Linguistics, Literacy and Bible Translation (GILLBT).

### **Museum Services**

The museum continued to provide services to the University community and visitors to the Institute in particular and University as a whole. These entailed regular maintenance of the museum gallery with regards to cleaning and maintenance of the collection and conducting visitors round the exhibition hall.

### **Chieftaincy, Governance And Development Programme**

The second phase of the project took off in September 2001. As part of the programme, the project embarked on the collection of stool/skin histories, organised capacity building workshops for paramount chiefs from the Greater Accra, Eastern, Western and Volta Regions. Computer training session was also organised for selected secretaries from the Regional Houses of Chiefs. To address the problems of documenting records at the various Houses of Chiefs, the project donated computers and accessories to the National, Ashanti, Eastern, Greater Accra, Volta and Western Regional Houses of Chiefs. There are plans to provide the remaining houses of chiefs with computers. To achieve its aim of institutionalisation, the project through its working group has introduced new courses in some departments of the University of Ghana. These departments include History, Religion, Sociology, and Political Science. Meanwhile, the Institute continued to offer courses at Level 200 for students. To put the project on the international scene, preparations began for an international conference on Chieftaincy in Africa; Culture, Governance and Development.

## **REGIONAL INSTITUTE FOR POPULATION STUDIES**

### **Overview**

The Regional Institute for Population Studies (RIPS) was established following an agreement between the United Nations and the Government of Ghana in 1972. The objectives include the provision of graduate training and research in Demography for some 20 Anglophone countries in sub-Saharan Africa. In addition, RIPS compiles and disseminates demographic information and in addition, provides advisory and consultancy services to member countries.

Although the Institute offers training mainly to students from English-speaking African countries, at the M.A., M.Phil., and Ph.D levels, a few other students from

countries such as Egypt, Mozambique, Germany and Papua New Guinea have been trained from the Institute. The Institute therefore makes significant contribution to the enhancement and development of the human resource base in the area of population studies in Africa.

The Institute is currently going through financial problems following the UNFPA withdrawal of direct funding to the Institute. The United Nations Economic Commission for Africa (UNECA) also withdrew from the Institute in 2000 as Chairman of the Institute's Governing Council. Since then, the Governing Council has not met.

This situation, coupled with the continued non-payment of member states' financial contributions to the Institute, has resulted in a situation where the whole burden of running the Institute has fallen entirely on the Government of Ghana and the University of Ghana. This has contributed to reduction of student intake at the Institute in recent times.

It is therefore suggested that the Government of Ghana should take over the Institute, make it a National Institute of Demographic teaching and research serving the same purpose as it is today but with the training and research courses reconstructed to meet emerging socio-demographic problems and needs of not only Ghana but Africa as a whole.

### **Admissions**

Ten (10) students were admitted for the M.A. in Population Studies during the year. They were made up of Eight (8) from Ghana (six males and two females); Two (2) foreign students – all females. All candidates who gained admission to the Institute successfully passed the M.A. in Population Studies examinations and were subsequently awarded their degrees by the University of Ghana. In spite of the constraints, the Institute continues to offer courses in M.A., M.Phil., and Ph.D in Population Studies for students from Ghana and elsewhere in Africa.

At the moment, one M.Phil. candidate is about to complete his research at the Institute. Another PhD candidate on part-time is also close to completing his research.

### **Student Research**

The M.A. students, each year, conduct a demographic sample survey at a selected location in the country as part of the training programme for M.A. in Population Studies. The survey is intended to provide relevant practical training in demographic data collection for the students as well as increase the demographic data base of the Institute for research. The year's research training programme was conducted at Ahwerase, Akwapim in the Eastern Region, during 7-21 April 2002. The main subject of investigation in the survey was Health Seeking Behaviours.

In addition to the class research work, each of the 10 M.A. students conducted

research into a population problem in his/her country using secondary data. The results of the students' investigation were presented in a research seminar held at the Institute during 11-12 September 2002 as part of the requirements for the award of M.A. (Population Studies) at RIPS.

### **Staff Position**

There are Five (5) academic staff currently at post, two (2) of whom are on post-retirement contract. Another staff member is, however, on a two-year leave of absence and is scheduled to return on October 1, 2003. The Institute thus: continues to rely on part-time lecturers, mainly from the University of Ghana, to support its teaching programme.

### **Extension Service**

Faculty members continued to teach and participate in various workshops and seminars, and carry out individual research activities in the following areas:

### **Conferences/Workshops/Seminars**

#### **Kwankye, S.O.**

- Fourth meeting of the Follow-up Committee on the implementation of the Dakar Ngor Declaration (DND) and the International Conference on Population and Development Programme of Action (ICPD-PA), organized by the UN. ECA, 28-31 January 2002 in Yaounde, Cameroon. Paper Presented: Population Matters, Policies and Interventions in Ghana.
- Workshop to develop "The African Social Research Programme" (ASRP) organized by the UNFPA on
  - (i) 18-22 March 2002 at Windzor Hotel, Nairobi, Kenya and
  - (ii) 1-7 April 2002 at the Baringo Hotel, Lake Baringo, Kenya.
- Workshop on "Advocacy on Reproductive Health in Ghana", organized by the Africa Youth Alliance (AYA) and UNFPA on 12-17 August 2002 at Cisneros Hotel, Sogakope. Made a presentation on "Adolescent Sexual and Reproductive Health Situation in Ghana".
- Dissemination Seminar on Comparative Studies of Customary and Modern Legislation in the Area of the Family, Inheritance, Marriage and Fertility Rights organized by the Population Impact Project (PIP) and National Population Council on 7-8 August 2002 at M-Plaza Hotel, Accra. Paper presented: "Girl Child Trafficking and Child Prostitution in Ghana."

#### **Tawiah, E.O.**

- National Conference on Migration and Livelihood in Contemporary Ghana, Legon, Ghana, 12-14 November 2002.
- African Youth Alliance Co-ordinated Proposal Development Workshop, Akosombo, 15-19 October 2001.

#### **Nyarko, P.,**

- "Communicating Population and Health Research to Policymakers

Workshop", organized by the Institute of Public Health, Makerere University and the Population Reference Bureau in Kampala, Uganda, January 21 - February 2, 2002.

- Seminar on "Socio-cultural Dimensions of Reproductive Health and Human Development", organized by the Institute of African Studies in collaboration with the School of Public Health, Legon, 27-29 June 2002.

## **Publications**

### **Mba, C.**

- "Nigeria's Ageing Population: A Call For Attention", in BOLD Quarterly Journal of the International Institute on Ageing, Vol.12, No.1, 2001, pp.15-24.
- "The Ageing of Africa's Populations", in BOLD Quarterly Journal of the International Institute on Ageing, Vol.11, No.4, 2001, pp.2-7.
- "Regional Dimension of Early and Premarital Female Sexual Behaviour in Ghana", in African Population Studies Journal, Vol.16, No.2, 2001, pp.117-133.
- "Determinants of Living Arrangements of Lesotho's Elderly Female Population", in Journal of International Women's Studies, Vol.3, No.2, 2002 (online).
- "Ghana's Reproductive Revolution: Analysis of the Determinants of Fertility Transition", in African Population Studies Journal, Vol.17, No.1, 2002, pp.47-67.

### **Nyarko, P., Wontuo, P., Nazzar, A., Phillips, J., Ngom, P. and Binka, F.**

- (2002). "Navrongo DSS, Ghana", in INDEPTH Network, 2002 Population and Health in Developing countries, Vol.1, Population, Health and Survival at INDEPTH sites, Chp.2, pp.247-256.

### **Nyarko, P., Binka, F. and Collison, M.**

- (2002) "Assessing the Quality of DSS Data", in INDEPTH Network, 2002. Population and Health in Developing Countries, Vol.1, Population, Health and Survival at INDEPTH Sites, Chp.5, pp.43-47.

## **Research Projects**

### **Nyarko, P., Debpuur, C., Wontou, P. and Akazili, J.**

- (2002). "Health Inequalities in the Kassena-Nankana District". A Project Report submitted to the INDEPTH Network, Accra, April 2002.
- A Research Design to Evaluate the Community-Based Health and Family Planning and Services (CHPS) Initiative).
- Trend Analysis of Fertility and Mortality in Ghana.

### **Library Services**

The Population and Social Sciences Library (PSSL) is a joint Library of RIPS and the Institute for Statistical, Social and Economic Research (ISSER). The library continued to serve its immediate clientele, the students and staff of RIPS and ISSER, and a good uninterrupted service to both foreign clients and off-campus visitors during the year.

### **Review and Vision Agenda**

We strongly suggest that the Government of Ghana should take appropriate action to take over and make the Institute a National Institute to pave the way for its survival and sustainability. RIPS is currently preparing a proposal on the way forward with respect to the restructuring of the Institute and its training and research courses. The need to maintain RIPS as part of the University of Ghana is justified among other things by the fact that apart from the Institute, no Department offers courses for a degree in either Demography or Population Studies at the University of Ghana. The Institute also has the capacity to develop into a centre of excellence for Demographic training and research in Africa.

## **INSTITUTE OF STATISTICAL, SOCIAL AND ECONOMIC RESEARCH (ISSER)**

### **Introduction**

Like the previous years' ISSER continues to work in accordance with its mandate of providing training and carrying out development oriented research in the field of Social Sciences.

The five year medium-term priorities initiated in 1999 on "Micro foundations of Policy Reforms continued in the year under review. The programme focuses on eight thematic areas which are:

- (i) Public Finance and Household Behaviour
- (ii) Finance for small scale investments
- (iii) Agricultural Houseable Income
- (iv) Food and Nutrition Security
- (v) Human Resource Development
- (vi) Social Security and Policy Reforms
- (vii) Gender and Life Cycle Issues
- (viii) Governance decentralisation and the Policies of Development Policy Reforms

### **Teaching/Courses**

The Institute admitted its fifth batch of students to the M.A./M. Phil Development Studies programme in August 2001.

As usual the Certificate and Diploma Courses in Statistics were organized during the long vacation for the period June 5 to August 10, 2002.

ISSER in 2002 organised four short courses for policy makers, analysts, programme implementers, consultants, researchers, District Assemblies and students. These courses which were run from June 2 - August 16 2002 were Data Management and Analysis, Research Methodology and Report Writing, Project Planning & Analysis and Project Implementation, Monitoring and Analysis.

### Number of Students/Participants

M.A. / M. Phil	-	16
Diploma	-	141
Certificate	-	153
Short Courses	-	150

### Research

The research activities of ISSER in the year under review were based on its medium-term research priorities mentioned above. The main research activities were:

- (i) A KAAP and Socio-economic Study for West Africa Gas Pipeline Project-funded by Chevron.
- (ii) The Human Development Report 2000. Funded by UNDP.
- (iii) Gender Training Book - Funded by DANIDA
- (iv) The Transrede Project-funded by Sussex University
- (v) Study of marketing of confectionery products of cocoa processing company (CMC) Tema - funded by CMC.
- (vi) Poverty Eradication and Sustainable Livelihoods in the Tarkwa Mining Area funded by Gold Fields Ghana Limited
- (vii) Food trade and infrastructure - funded by SADAOC.
- (viii) Human resource development for poverty reduction & household food security-fund by SADAOC
- (ix) GLOWA - Volta Basin Project - fund by ZEF
- (x) SGER - 2001

### Publications

#### Asenso-Okyere, K.

- Transforming agricultural production & productivity for sustained rapid growth and development. Ghana in the 21st Century, *ISSER Millennium Seminar Series*, No. 4, ISSER, University of Ghana, Legon. 2001
- Global Business Environment - An overview, *The Journal of the Ghana Institute of Management*, Vol. 2, No. 1, 2001
- Wealth Accumulation, Utilisation and Retention. A Converse to Treatise on Poverty Reduction. Ghana Universities Press, 2001.
- Challenges of Banking Business in Ghana. *The Ghanaian Banker*, Vol. ix, No. 4, 2000.

#### Tsikata, Dzodzi (ed.)

- Gender Training in Ghana; Politics, Issues and Tools. Woeli Publishing Services, Accra. 2001.

**Aryeetey, Ellen Bortei-Doku and Arthur, Alexina**

- On-line Directory of Professional African Women in Natural Resource Management Institute of Natural Resources in Africa/United Nations University, 2001.

**Aryeetey, Ellen Bortei-Doku, Mokwunye, A.U. and Arthur, Alexina**

- Establishment of a Directory of Women Professional in Natural Resource in Africa: United Nations University, Work in Progress, Vol. 16, No. 2, Spring 2001. PP 14

**Ahiadeke, C. with D.T. Gurak and S.T. Schwager**

- Breastfeeding Behaviour and Infant Survival with Emphasis on Reverse Causation Bias. Some evidence from Nigeria, *Social Biology*, 2001 Vol. 47 (1-2): 94-112
- Incidence of induced abortion in Southern Ghana, *International Family Planning Perspectives*, 2001, 27 (2): 96 - 101 & 108
- Breastfeeding; Diarrhoea and Sanitation as Components of Infant and Child Health: A Study of Large Scale Survey Data from Ghana and Nigeria, *Journal of Biosocial Sciences*, 2000, Vol. 32: 47 - 61

**Ahiadeke, C. with Daniel Maxwell et al.**

- Urban Livelihoods and Food and Nutrition Security in Greater Accra, Ghana. *Research Report 112 2000*, IFPRI With MMIMR and WHO Washington D.C.
- Alternative Food-Security Indicators: Revisiting the Frequency and Severity of Coping Strategies, *Food Policy*, 1999, Vol. 27 (1999) : 411 - 429.

**Ahiadeke, C. with Carol E. Levin et al.**

- Working Women in an Urban Setting Traders, Vendors and Food Security in Accra, *World Development*, 1999, Vol. 27 (11): 1977 - 1999

**Anarfi, J. K. with Fayorsey, Clara F.**

- (2000a) "Male Protagonists in the 'Commercialization of Aspects of the Female Life-Cycle in Ghana". Pp. 144 - 162 in Bledsoe, C. et. Al. (Eds.) *Fertility and the Male Life-Cycle in the Era of Fertility Decline*. Claredon Press, Oxford.

**Anarfi, J. K. with McCombie, Susan and Hornik, R.**

- (2000b) "Effects of Mass Media Campaign to Prevent AIDS Among Young People in Ghana" . In R. Hornick (Ed.) *Public Health Communication: Evidence of Behaviour Change*, Lawrence Erlbaum Associates.

**Anarfi, J.K. with Awusabo-Asare, K. and Appiah, E.N.**

- (2000c) "Female Emigration, AIDS and Their Socio-economic Impact: A Case of a Ghanaian Rural Community". In L.C. Caldwell et al. (Eds.)



Towards the Containment of the AIDS Epidemic: Social and Behavioural Research. Health Transition Centre, Australian National University; Canberra.

**Aryeetey, E.**

- "Macroeconomic Sectoral Developments Since 1970". *Economic Reforms in Ghana: The Reality and the Mirage*, ed. By E. Aryeetey J. Harrigan and M. Nissanke, James Currey, Oxford, 2002
- "Intervention and Liberalization: Changing Policies and Performance in the Financial Sector" , *Economic Reforms in Ghana: The Reality and the Mirage*, ed. by. E. Aryeetey, J. Harrigan and M. Nissanke, James Currey, Oxford, 2000.
- "The Evolution of Social Policy", *Economic Reforms in Ghana: The Reality and the Mirage*, ed. By. E. Aryeetey, J. Harrigan and M. Nissanke, James Oxford 2000.
- "Structural Adjustment and After" Which Way Forward?" *Economic Reforms in Ghana: The Reality and the Mirage*; ed. By E. Aryeetey, J. Harrigan and M. Nissanke, James Currey, Oxford, 2000.

**Nsowah-Nuamah, N.N.N., Mensah, G.,  
Aryeetey, M.E., Wagatsuma, Y. Bentil, G.**

- Urinary Schistosomiasis in Southern Ghana: A logistic regression approach of data from a community-based integrated control programme. To appear in *The American Journal of Tropical Hygiene Medicine*.

**Nsowah-Nuamah, N.N.N., et. al.**

- (2000): A Markov Model of Rainfall, ICTP IC/99/168, Trieste, Italy.
- (2000): Predicting the frequency of Drug Treatment of Schistosomiasis of Individual in Southern Ghana, ICTP IC/99/169, Trieste, Italy.

**Nsowah-Nuamah, N.N.N.**

- (2000): Classical Pooling of Cross-Section and Time series Data, ICTP IC/99/169, Trieste, Italy.
- Quantitative Macroeconomic Analysis for Poverty Reduction Strategies: A Modeling Workshop, 2nd - 4th December, 2000, Paris, France.
- Regional College on Modelling, Simulation and Optimisation, organized by Society of Physicists and Mathematicians, at the National Centre for Mathematical Sciences, Kwabenya, Ghana, 8 - 18 May, 2001.

**Nyanteng, V.K.**

- Agricultural Input Supply and Distribution in Ghana. A paper presented at SADAOC Foundation Round Table Conference in Ouagadougou, Burkina Faso, 20 - 21 Sept. 2000.
- Markets for Inorganic Fertilizers in Ghana. A paper presented at Researcher-Policy Maker-Civil Society Dialogue Workshop on Emerging Agricultural Production Inputs Markets in Ghana Since the liberalization in 1990; Organized by Reseau Ghaneen of SADAOC Foundation, Bayview

Hotel, Accra' 20 November 2000.

- *The Agricultural and Food Sector*. A paper presented at a Workshop on Resources and Growth organized by the Ministry of Economic Planning and Regional Cooperation, GIMPA, 3 May 2001.
- *Enhancing Agricultural Productivity in Ghana: A Background Paper* A paper presented at a Workshop on Researcher-Policy Maker-Civil Society Dialogue Workshop on Enhancing Productivity in Food Production in Ghana; Organized by Reseau Ghaneen of SADAOC Foundation, Bayview Hotel, Accra, 7th June, 2001.
- *Some Aspects of street-Vended Foods in the Accra Metropolis*. A paper presented at a Round Table Conference on Street-Vended Foods in Ghana: Types, Environment, Patronage, Laws and Regulations; Organized by Reseau Ghaneen of SADAOC Foundation, Bayview Hotel, Accra, 6th September, 2001.
- *Locating Food Processing in Rural Areas, Conditions and Prospects (2000) In The Food Chain in Sub-Saharan African; Centre for Applied Studies in International Negotiations (CASIN), Geneva (Proceedings of a Workshop).*

**Asante, F.A. , Berger, T., Engel, S. and Iskandarani, M.**

- *Water Security in the Ghanaian Volta Basin: Patterns, Determinants and Consequences. Quarterly Journal of International Agricultural, Vol. 41, No. 1, 2 2002.*

**Asante, F. A.**

- *Provision of Public Goods and Services and Quality of Life: A Survey of Four Districts in Ghana. In: One World: Research for a better Quality of Life. A Book of Proceedings on CD-ROM. Margraf Publishers, Germany, 2001.*

**Staff**

ISSER has 18 researchers and 24 support staff

**Advocacy**

To get more closer to society with its research results and expertise. ISSER has diligently pursued its advocacy programme.

**ISSER/Merchant Bank Economic Lecture and Roundtable Discussion**

ISSER in collaboration with Merchant Bank (Ghana) Ltd held its third in the series of Annual Economic Lecture and Roundtable Discussion on April 15, 2002 at the Auditorium of the British Council, Accra.

The topic was: " The Golden Age of Business; the Role of the Banking Sector". The presenter was Mr. E. Asiedu-Mante, First Deputy Governor, Bank of Ghana with Nii Kwaku Sowa of Centre for Policy Analysis (CEPA) as the discussant, Dr. Kobina Richardson, Chairman, Merchant Bank was the Chairman. The proceedings has been published.

### **Conferences/Workshops/Seminar**

ISSER in partnership with the Secretariat for Institutional support for Economic Research in Africa (SISERA) organized its second workshop in GIMPA, Accra on July 3 - 11, 2002.

The theme was " Basic Poverty Measurement and Diagnostic Course".

The main objective of the course is to provide participants with the skills required to undertake elementary poverty analysis using household surveys. The workshop was attended by 30 participants from Ghana, Nigeria, Liberia, Sierra Leone, Yemen and Gambia. The resource persons were Dr. Nii Kwaku Sowa and Ms. Abena Oduro both of CEPA.

#### **Tsekpo, A.W.T. and Akoto, I.O.**

- Research Methods Training Workshop organized by SISERA at Enugu, Nigeria from February 20 to March 1, 2002.

#### **Aryeetey, Ellen Bortei-Doku**

- 21st Meeting of the Board of Trustees of the International Centre for Aquatic Resources Management from February 28th to March 8th 2002, Penoina, Malaysia.

#### **Asenso-Okyere, K.**

- Director of ISSER was in Bamako as the Chairman of SAADOC Foundation for the Management Board meeting from September 7 - 13, 2002.
- Status Conference on the GLOWA VOLTA Project at the Centre for Development Research, University of Bonn, Germany from May 4 - 9, 2002.

#### **Appiah-Kubi, K.**

- Attended the Micro Impacts of Macroeconomic and Adjustment Policies (MIMAP), Quebec, Canada from June 14 - 28, 2002,

#### **Nsowah-Nuamah, N.N.N.**

- Regression Analysis in Statistics at the Addis Ababa University, Addis Ababa, Ethiopia, May 20 to June 7, 2002.

#### **Anarfi, J.K.**

- Workshop held at the University of Sussex, U.K., July 11-18, 2002.

#### **Benefaction**

- The Institute received support (US\$ 52,000) from USAID for the establishment of a local area communication and information network with internet connectivity.
- ISSER has also received assistance (Canadian \$ 250,000 over 2 years) from the Secretariat for Institutional Support for Economic Research in Africa (SISERA) for research and institutional support.
- Merchant Bank (Ghana) Limited gave ISSER \$5000 for the hosting of

The Annual Economic Lecture and Roundtable Discussion.

- Metropolitan & Allied Bank gave the Institute \$20 million to support the preparation of the State of the Ghanaian Economy Report, 2000.
- The World Bank Office in Accra has also provided an amount of US\$15,000 annually for three years starting from 2001 report towards the compilation and publication of the State of the Ghanaian Economy Report (SGER).

### **Papers Presented at Conferences/Workshops/Seminars**

#### **Asenso-Okyere, K.**

- The Effect of Pricing Policy of Public Utility Services on the Socio-economic Development of Ghana. A paper presented at a public forum on critical national development issues organized by the Ghana Institute of Management and Public Administration (GIMPA) Accra, August 24, 2001.
- Recent Developments of the Economy of Ghana. A paper presented at the Annual Meeting of the Association of Chartered Certified Accountants (ACCA), Accra, July 31, 2001.
- Challenges of Ghana's Economy-Past, Present and Future. A paper presented at a symposium organized by the Society for International Development, Cape Coast, May 17, 2001
- Heavily-Indebted Poor Countries (HIPC) Initiative for Africa with special reference to Ghana. A paper presented at the National Economic Dialogue (Financial Sector Workshop), Accra, May 7, 2001.

#### **Gyekye, O.L.**

- Appropriate Technology for Rural Development in Ghana. A paper presented at A Roundtable Conference on: Technology - Led Intervention for Micro Rural Enterprise Development held in Accra, 22nd September, 2000.
- "Socio-Economic Issues in the Development of the Oncho Freed areas" A paper delivered at a Workshop on Socio-Economic Development Programme for the Onchocerciasis Freed Areas held in Tamale, Northern Region, on 2-3 August, 2001.

#### **Nsowah-Nuamah, N.N.N., Mensah, G., Aryeetey, Mary E.,**

#### **Wagatsuma, Y. & Bentil, G.**

- Urinary Schistosomiasis in Southern Ghana: A logistic regression approach of data from a community-based integrated control programme. To appear in *The American Journal of Tropical Hygiene Medicine*.

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- (2000): A Markov Model of Rainfall, ICTP IC/99/168, Trieste, Italy

#### **Nsowah-Nuamah, N.N.N.**

- (2000): Classical Pooling of Cross-Section and Time series Data, ICTP IC/99/169, Trieste, Italy

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**Nsowah-Nuamah, N.N.N., et al**

- (2000): Predicting the frequency of Drug Treatment of Schistosomiasis of Individual in Southern Ghana, ICTP IC/99/169, Trieste, Italy

**Nyanteng, V.K.**

- Agricultural Input Supply and Distribution in Ghana. A paper presented at SADAOC Foundation Round Table Conference in Ouagadougou, Burkina Faso, 20 – 21 Sept. 2000.
- Markets for Inorganic Fertilizers in Ghana. A paper presented at Researcher-Policy Maker-Civil Society Dialogue Workshop on Emerging Agricultural Production Inputs Markets in Ghana Since the liberalization in 1990; Organized by Reseau Ghaneen of SADAOC Foundation, Bayview Hotel, Accra' 20 November 2000.
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- Enhancing Agricultural Productivity in Ghana: A Background Paper. A paper presented at a Workshop on Researcher-Policy Maker-Civil Society Dialogue Workshop on Enhancing Productivity in Food Production in Ghana; Organized by Reseau Ghaneen of SADAOC Foundation, Bayview Hotel, Accra, 7 June 2001.
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**Asante, F.A., Berger, T. Engel, S. and Iskandarani, M.**

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**Asante, F. A.**

- Provision of Public Goods and Services and Quality of Life: A Survey of Four Districts in Ghana. In: *One World: Research for a better Quality*

of Life. A Book of Proceedings and CD-ROM. Margraf Publishers, Germany, 2001.

## **NOGUCHI MEMORIAL INSTITUTE FOR MEDICAL RESEARCH**

### **Overview**

The long-standing collaboration between the Institute and Japan International Co-operation Agency (JICA) has continued. The current five-year Technical Co-operation Agreement (known as the Infectious Diseases Project) with Japanese partners now in its fourth year has been of tremendous help to the Institute. The Agreement enabled the Institute to continue to research into HIV/AIDS, Tuberculosis, EPI diseases, Viral Haemorrhagic fevers and Laboratory Animals. Under the agreement, some staff have benefited from counterpart training in Japan.

As part of the staff development programme of the Institute a number of staff obtained Fellowships/Scholarships to pursue either MSc/PhD programmes abroad. Two other staff successfully completed their Ph.D programmes. Three Senior Members were promoted to the position of Associate Professors.

The Institute continued to assist in the training of Science Students at the graduate level. MPhil Science students from the Faculty of Science were allowed to do their research projects in the laboratories of the Institute under the supervision of Research Fellows of the Institute. Currently eight Ph.D students are being supervised by Fellows in the Institute.

New Research Projects initiated during the year under review included the Global Parasitic Control Initiative (Hashimoto Initiative), Randomised Controlled Trial of SAVVY and HIV in Ghana. Discussions for the implementation of the Maternal Mortality Programme Assessment (IMMPACT) was also concluded in the year under review. The Units which conduct research and projects of the Institute include: Parasitology, Immunology, Clinical Pathology and Haematology, Electron Microscopy and Histopathology, Epidemiology, Virology, Bacteriology, Nutrition and Laboratory Animals.

The main development projects in progress include the construction of a building to house two liquid Nitrogen Plants donated by WHO and JICA. Currently the Taysec building is being converted into staff canteen and the Kajima building into a laboratory centre.

Students from sister Universities and Second Cycle Institutions as well as Organised groups and individuals visited the Institute. Notable among them was Professor Kenji Honda through whose vision and initiative led to the establishment of this Institute.

During the year under review, the Noguchi Memorial Institute for Medical Research

continued to enjoy research collaborations especially with foreign donors, thus minimising the effect of inadequate government subvention on research work. Collaboration with the Ghana Health Service improved tremendously and this resulted in the training of health personnel in Tuberculosis (TB) microscopy as well as training in Quality Assurance programmes in Tuberculosis (TB) microscopy and HIV screening.

The Institute obtained financial support from the National Institutes of Health (NIH), USA to support research into malaria and vaccine trials. Substantial support was also received from World Health Organization (WHO), Wellcome Trust and the European Union.

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- MDR1 pharmacogenetics: frequency of the C3435T mutation in exon 26 is significantly influenced by ethnicity. *Pharmacogenetics.* 2001 Apr;11(3):217-21.

#### **Conferences/Seminars/Workshops**

- First Annual Research Meeting of the Noguchi Memorial Institute for Medical Research. 28 to 31 October 2001. Presentations made:
  - (a) Oral- Overview of Research Activities in the Clinical Pathology Unit
  - (b) Poster- Inhibition of inflammatory reactions by a Ghanaian plant medicine used for the management of asthma
- First WHO/AFRO Expert Committee Meeting on Traditional Medicine. 19 to 23 November 2001 Harare, Zimbabwe. Presentation made:  
A Proposed Protocol for Clinical Trial/Evaluation of Herbal Medicines Used for the Treatment of Diabetes Mellitus. Proposal was discussed for adoption as a WHO/AFRO template
- Regional Meeting on Integration of Traditional Medicine in National Health

Systems: Strengthening Collaboration between Traditional and Conventional Health Practitioners, Harare, Zimbabwe, 26-29 November 2001.

- Western Africa Network Of Natural Products Research Scientists (WANNPRES) Meeting, Elmina Beach Resort, Elmina, Ghana from February 18 to 23 2002.
- Training of Trainers Workshop on Reproductive Health held at St. James Hotel, Koforidua May 5-18, 2002 Presentation made: HIV/AIDS and Herbal Treatment
- Workshop of Nutrition officers, Ministry of Health, Greenland Hotel, Swedru 17-22nd March, 2002
- Bioethics Conference, La Beach Hotel, Accra, 20-23rd March 2002
- National Food Fortification Alliance, FAO Headquarters, September 10th 2002.
- Workshop on Supplementary Feeding Programmes and growth of infants and young children, Ghana Atomic Energy Commission, Kwabenya 27th November, 2002

**Addo, K.K., Yeboah-Manu, D.K., Dan-Dzide, M.N., Owusu-Darko, K., Caulley, P., Minamikawa, M., Bonsu, F., Leinhardt, C., Akpedonu, P., Ofori-Adjei, D.**

- Improving laboratory diagnosis of TB in Ghana: the impact of quality assurance system. 33rd World Conference of the International Union Against Tuberculosis & Lung Disease (IUATLD), Montreal, Quebec-Canada, 6th-10th October 2002: Abstract PD-206-09.

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- The dilemma of incorporating a TB microscopy quality assurance framework into a regional health system in Ghana. 14th Conference of the International Union Against Tuberculosis & Lung Disease (IUATLD), Africa Region, Durban, South Africa, 11th-14th June 2002: Abstract PD-023-12.

**Addo, K.K., Yeboah-Manu, D.K., Dan-Dzide, M.N., Owusu-Darko, K., Ablordey, A., Caulley, P., Minamikawa, M., Bonsu, F., Leinhardt, C., Akpedonu, P., Ofori-Adjei, D.**

- Situational analysis of TB microscopy centres in Ghana. 14th Conference of the International Union Against Tuberculosis & Lung Disease (IUATLD), Africa Region, Durban, South Africa, 11th-14th June 2002: Abstract PD-043-13.

**Abuaku, B.K.I., Koram, K.A. and Binka, F.**

- 51st Annual General Meeting of The American Society of Tropical Medicine and Hygiene, 10th -14th November 2002. Denver, Colorado.  
Title of abstract presented: ANTIMALARIAL PRESCRIPTION PATTERNS IN A MINING DISTRICT IN WESTERN GHANA  
Title: ANTIMALARIAL DRUG USE AMONG CAREGIVERS IN 2 GHANAIAN SENTINEL DISTRICTS. Noguchi Memorial Institute for Medical Research,



**Koram, K.A. and Abuaku, B.K.I.**

- 2nd Annual Research Meeting of the Noguchi Memorial Institute for Medical Research, University of Ghana. 18th -19 September 2002  
Title: Treatment Outcomes in the management of uncomplicated malaria: Clinical or Parasitological Cure?
- MIM /TDR (WHO) Support for studies into the epidemiology of drug resistant infections in Ghana.
- Strategies for the control of malaria: New strategies. 24th September-3rd October, 2002. Maputo, Mozambique
- 51st Annual meeting of the American Society of Tropical Medicine and Hygiene, November 10-14, 2002. Denver Colorado, USA
- US Naval Medical Research Unit (NAMRU3) funded project on the Comparative Detection of Malaria Sporozoites by the Standard ELISA and the New VecTest% Dipstick Assay in Field-Collected Anopheline Mosquitoes from a Malaria Endemic Site in Ghana
- Japan International Agency (JICA) funded project on the risk of transmission of viral haemorrhagic fevers in Ghana.
- National Institute of Allergy and Infectious Diseases (NIAID) and US Navy funded research work on Malaria: Clinical Research & Vaccine Trial Preparation Sites:- Entomological characterization of malaria transmission in the study site.
- WHO/TDR funded project on Development of PCR based methodology for monitoring and evaluation of lymphatic filariasis control program.
- WHO/TDR funded project on the Trends in levels of transmission and infection with *Wuchereria bancrofti* during mass treatment with ivermectin and albendazole.
- Conference: Regional Workshop on HIV/AIDS in Southern Africa, Lusaka, Zambia (Japan International Cooperation Agency) March 2002,  
Title: HIV research program at Noguchi Memorial Institute for Medical Research, Ghana
- XIV International AIDS Conference, Barcelona, Spain, July 2002, Voluntary Counseling and Testing in Urban and Rural Settings in Ghana.
- Course on strategies of control in HIV/AIDS, Institute of Health Carlos 111, Madrid Spain, November 2002. An outreach project for the awareness of HIV/AIDS and STDs in the Birim-North District of Ghana
- Regional Workshop on HIV/AIDS in Southern Africa, Lusaka, Zambia (Japan International Cooperation Agency) March 2002, HIV research program at Noguchi Memorial Institute for Medical Research, Ghana
- XIV International AIDS Conference, Barcelona, Spain, July 2002, Voluntary Counseling and Testing in Urban and Rural Settings in Ghana
- Course on strategies of control in HIV/AIDS, Institute of Health Carlos 111, Madrid Spain, November 2002. An outreach project for the awareness of HIV/AIDS and STDs in the Birim-North District of Ghana

**Osei-Kwasi, M.**

- West African EPI and Data Managers' Meeting, Lome 3rd to 6th June, 2002.

- Global Polio Laboratory Meeting, Geneva, Switzerland 1st to 4th October, 2002.
- The African Directors of Polio Laboratory and Data Managers" Meeting (Yaounde.Cameroon 20th October to 3rd November 2002)

**Arko-Mensah, J., Kumar, S., Goka, B., Dodoo, D., Kurtzhals, J.A.L., Hviid, L., Gowda, C. and Akanmori, B.D.**

- Persistent anti-glycosylphosphatidylinositol (GPI) antibodies in an individual confers resistance to clinical Plasmodium falciparum malaria. 12th Malaria Meeting of the British Society for Parasitology, Leeds, UK, 10-12/09/01

**Awandare, G., Obeng-Adjei, G., Helegbe, G., Goka, B., Rodrigues, O., Tetteh, J., Hviid, L., Kurtzhals, J., Behr, C. and Akanmori, B.D.**

- Increased peripheral blood neutrophil phagocytic function in Plasmodium falciparum malaria. 12th Malaria Meeting of the British Society for Parasitology, Leeds, UK, 10-12/09/01

**Helegbe, G.K., Ollaga, E., Goka, B., Dodoo, D., Ofori, M., Rodrigues, O., Hviid, L., Kurtzhals, J.A.L. and Akanmori, B.D.**

- Degree of C3d binding to erythrocytes correlates with severe anaemia and intravascular haemolysis in Plasmodium falciparum infected children in Ghana. 12th Malaria Meeting of the British Society for Parasitology, Leeds, UK, 10-12/09/01

**Goka, B.Q., O-Adjei, G., Akanmori, B.D., Hviid, L., Kurtzhals, J.A.L. and Janet Neequaye**

- Haemoglobinuria and haematuria in Ghanaian children presenting with acute Plasmodium falciparum malaria. Presented at the 12th British Society for Parasitology (BSP) Malaria Meeting, Leeds, UK. 10th -12th September 2001

**Akanmori, B.D.**

- Molecular pathogenesis of severe malaria Plenary lecture given at the 3rd MIM Pan-African Malaria Conference Arusha, Tanzania, November 17-22, 2002

**Awandare, G., Boeuf, P., Goka, B.Q., Amisah, J.K., Adjei, G.A., Kurtzhals, J.A.L., Hviid, L., Behr, Charlotte and Akanmori, B.D.**

- Increased phagocytic activity of neutrophils and monocytes contributes to anaemia of Plasmodium falciparum malaria. Presented at the 3rd MIM Pan-African Malaria Conference Arusha, Tanzania, November 17-22, 2002

**Arko-Mensah, J., Obeng-Adjei, G., Goka, B.Q., Dodoo, D., Hviid, L., Kurtzhals, J.A.L., Gowda, D.C., Kumar, S. and Akanmori, B.D.**

- Plasmodium falciparum: Low Levels of Glycosylphosphatidylinositol Anchor-

Specific Antibodies Correlate with Severity of Malaria. Presented at the 3rd MIM Pan-African Malaria Conference Arusha, Tanzania, November 17-22, 2002

**Gyan, B., Bamenla Goka, B.G., Cvetkovic, J.T., Kurtzhals, J., Adabayeri, V., Perlman, H., Lefvert, Ann-Kari, Akanmori, B.D. and Troye-Blomberg, M.**

- Polymorphisms in interleukin-1 and interleukin-4 genes and malaria severity in Ghanaian children. Presented at the 3rd MIM Pan-African Malaria Conference Arusha, Tanzania, November 17-22, 2002

**Goka, B.G., Akanmori, B.D., Obeng Adjei, G., Ekem, I., Rodrigues, O., Gideon Helegbe, G., Kurtzhals, J. and Neequaye, J.**

- Massive acute intravascular haemolysis associated with acute malaria in Ghanaian children. Presented at the 3rd MIM Pan-African Malaria Conference Arusha, Tanzania, November 17-22, 2002

**Ogoe, Bridgette-Marian, Goka, B.G., Wilson, M.D., Osei, Yaa D., Rogers, W., Brown, C.A., Adu, D. and Akanmori, B.D.**

- Studies on the allotypic variants of IgG receptors Fc<sub>γ</sub>RIIa and Fc<sub>γ</sub>RIIIb and their association with severe clinical malaria among Ghanaian children. Presented at the 3rd MIM Pan-African Malaria Conference Arusha, Tanzania, November 17-22, 2002

**Adjei, G.O., Goka, B.G., Akanmori, B.D., Kurtzhals, J.A.L., Rodrigues, O.P., Hviid, L. and Neequaye, J.**

- Morbidity and mortality associated with *P.falciparum* malaria in an area with intermediate transmission. Presented at the 3rd MIM Pan-African Malaria Conference Arusha, Tanzania, November 17-22, 2002

**Gyan, B.A., Goka, B.G., Cvetkovic, T.J., Kurtzhals, J.L., Adabayeri, V., Perlmann H., Lefvert, A-K. and Akanmori, B.D.**

- 3rd MIM Pan-African Malaria Conference, November 18-22, 2002, Arusha, Tanzania. Troye-Blomberg. Polymorphisms in interleukin-1 and interleukin-4 genes and malaria severity in Ghanaian children.

**Gyan, B.A., Goka, B.G., Cvetkovic, J.T., Kurtzhals, J.L., Adabayéri, V., Hedvig Perlmann, H., Lefvert, A-K. and Akanmori, B.D.**

- 11th International Congress on Immunology, 22-27 July, 2001, Stockholm Sweden. Marita Troye-Blomberg Allelic polymorphisms in the repeat and promoter regions of the interleukin-4 gene and malaria severity in Ghanaian children.

**Gyan, B.**

- MIM Workshop on Immunology and Pathogenesis of Malaria 26 Nov-3 December, 2000, Accra Ghana. Presented a paper titled: Genetic studies and malaria severity.

- Workshop on Malaria. 8 Oct. 2001, Stockholm University, Sweden. Presented a paper title: Malaria Severity and cytokine gene polymorphisms.

**Adeniran, T.A.R., Boakye, D.A., Ghansah, A.,**

**Brown, C.A., Rogers, W. and Wilson, M.D.**

- (2002). The susceptibility status of *Anopheles gambiae sensu stricto* (Diptera: Culicidae) to pyrethroid (permethrin) and carbamate (propoxuPUBLICATIONS

**Norikula, T., Kennedy, D.O., Nyarko, A.K., Kojima, K., Matsui-Yuasa, I.**

- (2002) Protective effect of Aloe extract against the cytotoxicity of 1,4-Naphthoquinone in isolated rat hepatocytes involves modulation of cellular thiol levels. *J Pharmacology and Toxicology* 90 278-284.

**Nyarko, A.K., Asare-Anane, H., Ofosuhene, M., Addy, M.E.**

- (2002) Extract of *Ocimum canum* lowers blood glucose and facilitates insulin release by isolated pancreatic  $\beta$ -islet cells. *Phytomedicine* 9 346-351.

**Armah, G.E., Essel, E.K., Asmah, R., Anto, F. and Binka, F.**

- (2001) Detection of Human Group C rotavirus in Ghanaian Children. *Ghana Medical Journal*, Vol. 34 (3) 157 - 164

**Asmah, B.A., Greene, J., Armah, G.E., Gallimore, C.I. et al**

- (2001). Rotavirus G and P types in Rural Ghana *J. Clin .Microbiology*: 39, (5), 1981-1984

**Armah, G.E., Pager, C.T., Asmah, R.H., Anto, F.R.,**

**Oduro, A.R., Binka, F. and Steele, D.**

- (2001) Prevalence of Unusual Human Rotavirus St

## **LEGON CENTRE FOR INTERNATIONAL AFFAIRS (LECIA)**

### **Overview**

The period under review was a particularly busy one for the Centre. This has been due mainly to (a) The extension of the MA to Ghana Armed Forces Command and Staff College, (b) The Special training programme organized for the Research Department of the Ministry of Foreign Affairs and (c) The work with the Parliamentary Committee on Foreign Affairs.

### **Programmes**

In addition to the MA programmes, LECIA stepped up its programme for providing continuing education, through seminar and out-reach programmes, to Ghana's Foreign Service Officers (FSOs) CEPS, Immigration, Police and Military personnel and the Parliamentary Committee on Foreign Relations.

### **Student Enrolment**

During the year under review, 34 students were admitted to M.A. (International Affairs) programme, 21 males and 13 females. The distribution of students by departments or institutions is as follows: Ministry of Foreign Affairs 6, Ghana Armed Forces 2, Customs Excise and Preventive Service 2, Bank of Ghana 1, Ghana Immigration Service 1. The number also include 3 Foreign Students.

The University of Ghana has approved a link programme for Ghana Armed Forces Command and Staff College. The programme has started with 12 students for the award of M.A. (International Affairs) degree.

### **Staff**

The Centre's full-time staffing position presently stands as follows:

- 2 Associate Professors
- 3 Research fellows
- 1 Diplomat – In – Residence.

The Centre was also privileged to host a visiting scholar from the Department of History and Political Science, Longwood College, FARMVILLE Virginia, U.S.A., Prof. Lehlohonolo Tlou.

The number of part-time lecturers now stands at 16. Apart from one, the rest are from departments in the University. This underscore the multidisciplinary nature of the Centre's academic programme.

### **Peacebuilding and Good Governance Programme**

The Centre presently hosts the United Nations Training Project on Peace building and Good Governance for African Civilian Personnel. This project is a collaborative activity between Scuola Superiore Sant' Anna of Pisa (Italy) and the United Nations Department for Economic and Social Affairs, New York (UNDESA) and Legon Centre for International Affairs (LECIA). The project is now in a pilot phase during which

two general training and two training of trainers sessions are planned. The expectation of the collaborators is that evaluation of the pilot scheme will lead to a permanent activity to be hosted by LECIA for the African region.

### **Special Training Programme**

The Centre organized a ten week Special Programme for nine (9) Assistant Research Officers of the Research Department of the Ministry of Foreign Affairs.

The Training started in mid-February and ended in June 2002.

### **Conference/Seminars**

These seminars are part of the teaching programme of the Centre. Participation is compulsory for all students. They are also open to members of the University generally and Staff of the Ministry of Foreign Affairs. The seminars are held during the first and Second semesters of the 2000/2001 Academic years as follows:

#### **Second Semester 2001/2002 Academic Year**

<b>Date</b>	<b>Topic</b>	<b>Presenter</b>
27/2/02	National Reconciliation and the Delivery of Justice.	Hon. Nana Akuffo-Addo, Attorney General and Minister of Justice.
13/3/02	Decentralization and Poverty Alleviation.	Hon. Captain (Rtd.) Nkrabea Effa Dartey Deputy, Minister of Local Government and Rural Development.
20/3/02	Exploiting Ghana's Tourism Potential.	Hon. Nana Akomea, Deputy Minister of Tourism.
3/4/02	Managing the Ghanaian Economy: HIPC and all.	Dr. Akoto Osei, Special Adviser to Minister of Finance
10/4/02	Ghana's Energy Needs : Challenges and Prospects.	Dr. Charles Wereko-Brobbe, Chief Executive of V.R.A.
17/4/02	Working to Achieve Food Security : Confronting the Challenges.	Hon. Major (Rtd.) Courage Quashigah, Minister of Food and Agriculture
24/4/02	The National Health Insurance Scheme.	Hon. Dr. Kwaku Afriyee, Minister of Health

## First Semester 2002/2003 Academic Year

<b>Date</b>	<b>Topic</b>	<b>Presenter</b>
11/9/02	Making the African Parliament Work.	Mr. G.K John Agama, Deputy Clerk of Parliament
25/9.02	Rwanda Genocide – Effect on The Great Lakes Region and on the Current Situation in DRC	Col. Richard Rutatiina of Rwanda, Student GAFSC
2/10/02	The Private Sector Development; Golden Age of Business and the Creation of Job Prospects.	Hon. Kwamena Bartels, Minister of Private Sector Development
9/10/02	Quickening the Integration of African Economics through the Building of Regional Blocks	Hon. Dr. Kwesi Ndoum, Minister of Economic Planning & Regional Co-operation
16/10/02	Perspectives On the Situation in Coté d'Ivoire	Dr. Kwesi Aning, Senior Research Fellow. ASDR

### **Publications**

During the period under review, the Centre published "GHANA'S FOREIGN POLICY OPTIONS". Proceedings of a Conference Organized jointly by the Legon Centre for International Affairs (LECIA), The United Nations Development Programme (UNDP), National Institutional Renewal Programme (NIRP), and the Ministry of Foreign Affairs (MFA) 18-19 November, 2001.

### **Bluwey, G.K.**

- "Humanitarian Intervention In African Conflicts: The Role of NGOs". A paper presented to the Workshop on the UN System, organised by the Academic Council on the UN system (ACUNS) and the American Society of International Law (ASIL) at the University of Namibia, Windlock, August 5 – 20, 2001.
- "Setting Priorities for the African Union". A paper presented to the workshop for the Parliamentary Select Committee on Foreign Affairs (Ghana) organised by LECIA and the Frederick Ebert Stiftung (Ghana) at Ho, Volta Region, June 29 – July, 2002.
- "Foreign Policy Decision-Making in Ghana: Issues, Ground Rules and Actors", in LECIA, Ghana's Foreign Policy Options (Accra, 2002). pp . 43 – 55.
- Understanding International Relations (Accra: Yamens Publishers, Ltd., 2002)
- Political Science: An Introduction 2nd Revised Edition (Accra: Yamens Publishers, 2002)
- A Module for the Teaching of International Relations In the Executive MPA

Programme of the Ghana Institute for Management and Public Administration (Achimota: GIMPA) 2002.

**Antwi-Danso, V.**

- Theories of Development: Conjectures and Refutations in the African context (Forthcoming) in Praxis: The Fletcher Journal of Development Studies, Vol. XVIII, 2003.

**Research**

**Bluwey, G.K. and Brukum, N.J.K.**

- Ghana and Non-African Inter-Governmental Organisations (1957 – 2002) – to be funded by the University of Ghana Special Research and Conferences Fund Committee.

**Bluwey, G.K.**

- Constitutions of Ghana (1850 – 1992) to be funded by the Institute of Economic Affairs (IEA) Ghana.

**Conferences/Workshops/Seminars**

**Antwi-Danso, V.**

- OATUU/ICFTU Conference on the Role of African Workers and Trade Unions in the New Agenda for Africa's Development, Dakar, Senegal, February 18 – 20, 2002. Paper presented: Positional Paper: The Role of the African Workers and Trade Unions in the New Agenda for Africa's Development.
- ICFTU-AFRO Regional Conference on the Challenges of Globalization in Africa: The role of the Trade Unions in Promoting Balanced Development, Nairobi, Kenya, 27 – 29 May, 2002. Paper Presented: The Role of the Trade Unions in the New Partnership for Africa's Development (NEPAD): Lessons and Reflections.
- Conference on NEPAD, organized by the Parliamentary Committee on Foreign Affairs, Frederick Ebert Stiftung, and the Legon Centre for International Affairs (LECIA), Accra, May 27, 2002. Paper Presented: The New Partnership for Africa's Development (NEPAD): Goals, Problems and Prospects.

**Gebe, B.Y.D.**

- "The Concept and Practice of Terrorism : The International Dimension and Responses". Paper presented to the Parliamentary Committee on Foreign Affairs at a Round-Table Conference on "Ghana and the Challenges of Terrorism" at Shangri-La Hotel, Accra on 25th February 2002.
- "Sustaining Peace : The Role of the Youth". Paper presented at the African Regional Conference on the Youth and Human Values at the University of Ghana, Noguchi Memorial Institute, Legon, Accra, 8 – 11 July 2002.
- "National Strategies for Conflict Prevention in the West African Sub-Region:



A Case Study of Sierra Leone". Working Paper presented at the Parliamentarians for Global Action (PGA) on Strengthening United Nations Peace Operations at Parliament House, Accra, 21 - 22 January 2002.

- "International Terrorism in the 21st Century : Threats and Challenges". Paper presented at the Inaugural Ceremony of Friends Against International Terrorism (FAGLAT), an NGO on 17th April 2002, at M-Plaza Hotel, Accra.
- "The African Union and Ghana : Vision, Challenges and Opportunities". Paper presented to the Parliamentary Select Committee at a workshop, 29th June - 1st July 2002 at Chances Hotel, Ho.

### **Donations**

During the period under review, LECIA received assorted books from a former student, Sandra Aya Enimil, of the Centre domiciled in the United States of America.

Prof. L. Tlou a visiting scholar to the Centre also presented a number of books to the LECIA library.

## **VOLTA BASIN RESEARCH PROJECT (VBRP)**

### **Overview**

The Volta Basin Research Project (VBRP) has continued to promote research in the Volta River Basin to enhance sustainable river basin management. As part of this promotional programme, the VBRP has submitted 21 project proposals to relevant authorities for funding. The proposals are aimed among others, at improving the livelihood condition of the riparian communities of Lower Volta Basin. Four of the project proposals have so far received positive responses (three from the Volta River Authority, and one from Heifer International, an NGO). VBRP Research Fellows have also continued with teaching and individual research activities in their departments of attachment. Prof. C. Gordon, a Research Fellow has continued to serve as the Interim Director of the Centre for African Wetlands and the Co-ordinator of the Postgraduate Environmental Science Programme of the Faculty of Science. Mrs. C. Amoah has also continued to serve as Board Chairperson of the Community Water and Sanitation Agency. She was also selected as Co-ordinator of the National Young Water Professional Programme of the Stockholm International Water Institute (SIWI) during the period.

Dr. D.K. Attuquayefio of the Department of Zoology and Prof. G.T. Odamtten of the Department of Botany continued to serve as the Project Executive Secretary, and Chairman of the Management Board respectively.

### **Staffing Position**

During the 2001/2002 academic year, the VBRP had a staff strength of 23, made up of:

### **Teaching Staff**

- 2 Associate Professors (one on retirement contract)
- 1 Senior Research Fellow
- 4 Research Fellows (one on study leave)
- 2 Graduate Principal Research Assistants

### **Support Staff**

- 2 Chief Technicians
- 1 Chief Draughtsman
- 1 Senior Technician
- 1 Technician
- 1 Senior Fisherman
- 1 Accounts Clerk
- 4 Secretarial Staff
- 3 Drivers

Mr. T. Annang, a Research Fellow, was on study leave during the period.

### **Teaching**

VBRP Research Fellows continued to fulfill their teaching obligations in their various departments of attachment. Various courses were taught in the various departments to which they were attached as indicated below:

#### **Amatekpor, J.K. (Department of Soil Science)**

- SOIL 303: Soil Morphology and Classification
- SOIL 407: Soil Genesis, Classification and Survey
- SOIL 611: Soil Survey and Classification
- Supervised one undergraduate dissertation project

#### **Gordon, C. (Department of Zoology)**

- ESCI 609: Water Resource Management
- ZOOL 411: Freshwater Zoology.
- Supervised postgraduate theses and conducted individual research in the following areas:
  - Integrated Water resource Management
    - Pipe borne water quality in western Accra
    - Environmental characterisation of the Kakum river catchment
    - Water quality and freshwater resources of the Afadjato area
    - Natural resource management in the Weija catchment
  - Integrated Coastal Zone Management and Wetland Ecology
    - Environmental management and water quality in the Sakumo lagoon catchment
    - Environmental Impact of small-scale fish processing on a coastal lagoon
  - Pollution and Ecotoxicology
    - Pollution and the nutrient status of Weija Lake
    - Environmental quality and the export of smoked fish

Basin Research Project' under the Coordination of EPA-Country Report concluded.

- Provided three 'inputs' for the 'specific project proposals' in respect of the Lower Volta Environmental Impact Studies' (VBRP Technical Report No.1/02)
- Lower Volta Duck Raising Project (LVDP)
- Lower Volta Beekeeping Project
- Micro-livestock Development for Income Generation and Improved nutrition in selected communities in the Lower Volta Basin.
- Initiated implementation of the LVDP in the Volta Delta (A collaborative project between VBRP and Heifer International-Ghana, an NGO).
- Final stages of report writing in respect of investigation into the 'Mat weaving industry in the Lower Volta Basin'.

#### **Tonah, S.**

- Research into Fulani migration in the Middle Belt (Atebubu and Salaga Districts)
- Research into Ethnic conflicts and consensus in Northern Ghana. Fieldwork in West Mamprusi District.
- Extension works in the Dangbe West District
- Support for small-scale farmers and livestock producers
- Support for cash crop (mango and cashew) production.

#### **Publications**

##### **Amatekpor, J. K. with Gordon, C., Koranteng, K.K. and Annang, T.**

- Bui Hydroelectric Power Project Environmental Impact Assessment: Aquatic Ecology Situation Report. BKS Acres, Pretoria, S. Africa. (2001).
- Effects of the Volta Dam on the Properties of two Soil Series in the Lower Volta Floodplain in Ghana. Ghana Journal of Agric Science, 30: 171-179. (2001)

##### **Gordon, C. with Dankwa, H.R.**

- The Fish and Fisheries of the Lower Volta Mangrove Swamps in Ghana. African Journal of Science and Technology, Science and Engineering Series 3 (1):25-32. (2002)

##### **Gordon, C. with Diop, E.S., Semesi, A.K., Soumare, A., Diallo, A., Guisse, A., Diouf, M., & Ayivor, J.S.**

- Mangroves of Africa: Function and Management. In L.D. de Larceda (ed) Mangrove Ecosystems: Springer-Verlag, Berlin pp 63-121. (2002)

##### **Ofori, B.D.**

- Integrated Management of the Volta Basin Project: Ghana Country Report'. GEF/UNDP/EPA/MEST. (2002).

**Tonah, S.**

- "Fulani Herdsmen, Indigenous Farmers and the Contest for Land in Northern Ghana". *Africa Spectrum* 37, 1:43-49. (2002)
- "The Politics of Exclusion: The Expulsion of Fulbe Pastoralists from Ghana in 1999/2000". Max Planck Institute for Social Anthropology, Working Paper (Forthcoming 2002).
- "Conflicts and Consensus Between Migrant Fulani Herdsmen and Mamprusi Farmers in Northern Ghana". In Franz Kroger & Barbara Meier, *A Reader on Northern Ghana*, Iko Publishing House, Frankfurt (Forthcoming 2002).
- "A Survey on Private Public Partnership in Road Maintenance", German Technical Cooperation (GTZ), Accra. (2002)
- "Pre-and Post Training Programme for Engineers", Document Prepared for the GTZ, Accra. (2002)
- "Programme Plan on STI/HIV/AIDS Prevention and Support for Young People Living with HIV/AIDS", UNICEF-Ghana, Accra. (2002)

**Ayivor, J. S. With Diop, E.S., Gordon, C., Semesi, A.K., Soumare, A., Diallo, A., Guisse, A., Diouf, M. and Ayivor, J.S.**

- *Mangroves of Africa: Function and Management*. In L.D. de Larceda (ed) *Mangrove Ecosystems*: Springer-Verlag, Berlin pp 63-121. (2002)

**Conferences/Seminars/Workshops****Amatekpor, J. K.**

- International Conference on Managing Soil Resources of the Tropics for Sustainable Agricultural Productivity. SARI, Tamale, Feb. 26 - March 2, 2001. Paper presented: "Morphology and Classification of Amo Series in the Lower Volta Flood Plains of Ghana."

**Gordon, C.**

- International Mangrove Workshop (ITTO) 19 - 22 February 2002, Cartagena, Colombia
- Water and Sustainable Development in Africa: Regional Stakeholders' Conference for priority setting (GWP) 15 - 17 April 2002 Accra, Ghana.
- 23rd meeting of the Board of Directors Wetlands International, 21-22 April 2002, Wageningen, The Netherlands.
- 5th Pan African START Committee Meeting, 27 - 29 June 2002, Nairobi, Kenya
- 5th General Assembly of the International Society of Mangrove Ecosystems, 20 - 21 August 2002 Ho Chi Minh City, Vietnam.
- 4th Meeting of the Global Mangrove Database and Information System (GLOMIS) 21 - 22. August 2002 Ho Chi Minh City, Vietnam.
- Regional Workshop on Education and Public Awareness on Wetlands (Wetlands International) 18 - 20 September 2002, Dakar, Senegal.

**Amoah, C.**

- The 12TH Stockholm Water Symposium, August 12-15 2002, Balancing-Competing Water uses Present Status and New Prospects,
- Water and Sustainable Development in Africa. Regional Stakeholder Conference for Priority Setting, Accra 15 - 17 April 2002.
- Sub-Regional Workshop on Integrated Water Resource Management of the Volta Basin Accra 14th - 18th January 2002.
- Chairperson for the National Seminar on Community and District Assembly contribution to Capital Cost water facility. GIMPA-Accra, 26th June 2002.

**Ofori, B .D.**

- EPA Conference on 'Integrated Management of the Volta Basin'. Presented Paper on 'Socio-economic Characteristics of the Volta River Basin', - STEPRI, ACCRA, 13 March.

**Tonah, S.**

- Workshop on "STI/HIV/AIDS Prevention and Support for Young People Living with HIV/AIDS", UNICEF-Ghana, Accra, Feb. 12-14, 2002.
- Conference of the African Studies Association in Germany, (VAD), Hamburg, Germany, May 23-26, 2002. Paper presented: "Fulani Pastoralists, Indigenous Farmers and the Contest for Land in Northern Ghana".
- Workshop on The Role of Small and Medium Size Companies in Road Maintenance, Aachen, Germany, 28th June 2002.
- Workshop on Collective and Multiple Forms of Property in Land and Animals", Max Planck Institute, Halle/Salle, Germany, August 19-21, 2002. Paper presented: "Fulbe Pastoralists and the Changing Property Relations in Northern Ghana".
- Seminar on "Development Planning and Politics", University of Bielefeld, Germany, June 2002, Paper presented: "From Structural Adjustment to Highly Indebted Poor Country: Does Ghana Need More or Less Development Aid".

**Ayivor, J. S.**

- International Conference on Housing and Urban Development for Low Income Groups in Sub-Saharan Africa. Local Government Training Institute, Accra, Ghana, 23rd-26th July, 2002. Paper presented: "Patterns of Land Tenure at Anloga, Ghana".
- Contributed to "Background Paper on International Tropical Timber Organization (ITTO)". Presented at International Mangrove Workshop, organised by the International Tropical Timber Organization (ITTO)/ International Society for Mangrove Ecosystems (ISME), Hotel Las Americas, Cartagena de las Indias, Colombia, 19th-22st February 2002, (other contributors: Gordon, C., Aksornkoae, S., Baba, S., Kainuma, M., Oshiro, N.)

## Benefactions

Heifer International through VBRP, is supporting a duck/geese raising project among 100 households in three selected island communities of Lower Volta (US\$ 60,748 for three years).

## THE BALME LIBRARY

### Introduction

As has been the case in previous years, the Balme library could not subscribe to new foreign periodicals during the year under review. The library had to depend on the PERI Project and GILLDNET in order to provide periodical information to some users.

However, the Cyber Café at the Library Annex is now in full operation and heavily used by students. It is hoped that more computers would be acquired this year to increase the number in the Café.

### Library Board

The Library Board met only once on 27th March, 2002 during the year under review. Membership was as follows:

Vice-Chancellor	-	Chairman
Prof. K. Asenso Okyere	-	Development Committee Representative
Prof. A. Baah-Nuakoh	-	Finance Committee Representative
Dr. (Mrs) L.A.P. Hevi-Yiboe	-	Finance Committee
Dr. Rebecca Ganusah	-	Faculty of Arts Representative
Mr. T.A. Ajadeh	-	Faculty of Agric. Rep.
Mr. K.K.K. Ampofo	-	Faculty of Law Rep.
Mr. V.C.K. Kakane	-	Fac. of Science Rep.
Dr. Pino T. Akotia	-	Fac. of Soc. Studies Rep.
Mr. G.O. Cofie	-	Sch. of Admin. Rep.
Mr. D.B. Addo	-	Univ. of Ghana Med. Sch. Representative
Mr. Albert Hushie	-	S.R.C. Rep.
Mr. Frank Acheampong	-	S.R.C. Rep.
Mr. Albert Banan Abdulai	-	Finance Officer's Rep.
Mrs. Victoria Dodoo	-	Ag. University Librarian
Mr. V.K. Fosu	-	Balme Library
Mrs. A.K. Kwaa	-	Registrar's Rep./Secretary

### Staff Matters

#### Senior Members

Prof. Anaba A. Alemna assumed duty as University Librarian on 3rd July, 2002. He was a lecturer at the Department of Information Studies. Prior to his assumption, he was acting Dean of Faculty of Social Studies.

Miss Olivia Kpodoe joined the staff of the Library as Junior Assistant Librarian on 5th November, 2001.

Mr. A.K. Martey, Ag. University Librarian was granted one-year leave of absence without pay with effect from 1st January, 2002. He tendered his resignation to take

effect from the end of his leave, ie. 1st January, 2003.

### Senior/Junior Staff

#### Appointments

The following new appointments were made to fill some of the vacancies that had existed:

Miss Naomi Bada	-	Jnr. Lib. Asst. Gd. II
Mr. Francis Mensah Essel	-	" " " " "
Mr. Richard Ansah	-	Messenger/Cleaner
Mr. Moses Adomako Asiamah	-	Messenger/Cleaner

#### Promotion/Confirmation

The following members of staff were promoted in their grades:

Mr. B.A. Botchwey	-	from Prin. Acct. Asst to Chief Acct. Asst.
Mr. George Bada	-	from Snr. Admin. Asst. to Prin. Admin. Asst
Mr. M.L.N. Blankson	-	from Lib. Asst. to Snr. Lib. Asst.
Mr. D.A. Agyakwa	-	from Jnr. Lib. Asst. Gd. II to Jnr. Lib. Asst. Gd. I
Mr. D. Alhassan	-	from Jnr. Lib. Asst Gd. III to Jnr. Lib. Asst. Gd II
Ms T.A. Asagba	-	from Jnr. Lib. Asst. Gd.III to Jnr. Lib. Asst. Gd II
Mr. E. Bubuama	-	" " " " " " " " " " " "
Mr. B.D.K. Kusi	-	" " " " " " " " " " " "
Mr. I. Neequaye	-	" " " " " " " " " " " "
Mrs. E.O. Agyei	-	" " " " " " " " " " " "
Mr. Elms Sarpong	-	" " " " " " " " " " " "
Mr. M. Swallah	-	" " " " " " " " " " " "
Ms Mary Arkoh	-	from Bindery Asst. Gd. II to Bindery Asst. Gd. I
Mr. S.N. Nartey	-	" " " " " " " " " " " "
Mr. J. Martey-Doku	-	" " " " " " " " " " " "
Mr. W.Y. Sena	-	from Bindery Asst. Gd. I to Sen. Bindery Asst.
Mr. A.J. Yakubu	-	" " " " " " " " " " " "
Miss M. Bosompem	-	" " " " " " " " " " " "

Messrs Mohammed Abu and Constant Fiakpui were also upgraded from Messenger/Cleaner to Junior Library Assistant Grade III..

#### Resignation

Mr. Raymond Akakpo, Messenger/Cleaner, resigned from the service of the University.

#### National Service

The Balme Library had the following as National Service persons:

Mr. Anani Lotsi, Mr. Bernard Appiah-Kubi, Mr. Ahlijah Julius Sewornu and Miss Elleen Quaye.



### **Staff Training**

Mr. Jonas K. Martey-Doku and Miss Margaret Bosompem attended the 19th Junior Technical Supervisory Management course at the Institute of Technical Supervision, Weija, from 15th April to September, 2002.

Messrs Franklin Asirifi and Moses Bediako underwent intensive computer hardware training at Top Choice Computers from January 28 to June 14, 2002.

Messrs David Odjeawo and Newton Akrong were granted one-year Study Leave with pay to pursue a course leading to the award of Master of Arts degree in Information Studies in this university.

Messrs Dominic Alhassan, Isaac Neequaye and Miss Theresa Asagba, who were granted two-year study leave with pay to pursue Diploma in Librarianship programme resumed duty after successful completion of the course.

### **Balme Library Computer Laboratory Training for the year 2002**

#### **General**

Training programmes were held in the computer laboratory of the Balme Library for all interested parties.

Training was offered in the following programmes: Introduction to computers and windows, Microsoft word, Microsoft excel, Microsoft power point and Internet use.

Training was normally scheduled for the inter-semester break and was held in two separate sessions – morning and afternoon - for a period of four (4) weeks. Below are the dates and the total number of participants for each period:

January 7-25, 2002	-	Thirty-four (34)
February 18 – March 15, 2002	-	Twenty (20)
June 3 – July 5, 2002	-	Twenty- five (25)
July 22 – August 23, 2002	-	Twenty – eight (28)

#### **Staff**

- Internet training was held for library assistants in the Balme Library, from May 27 –31, 2002
- Training was held in effective searching of the Internet with specific reference to online scholarly databases made available through the PERI programme, on September 2, 2002, for library assistants.

#### **INASP Training**

Training in the management and use of electronic resources was held for senior members from July 15–19, 2002. Specific attention was paid to online resources made available to the Balme Library through the PERI programme. This was sponsored by INASP (International Network for the Availability of Scientific Publications).

### **Post-graduate training**

Post-graduate students were introduced to the electronic resources available to them and taught how to effectively search these databases made available through the PERI programme. This took place from September 4-October 4, 2002.

### **Retirement**

The following members of staff retired from the service of the university as from 1st October, 2002:

Mr. J.K. Boafo, Chief Administrative Assistant. He worked in the Library for 38 years 5 1/2 months.

Mr. S.W.K. Dikro, Chief Library Assistant. He worked in the Library for 34 years 9 months.

Mrs. Clara deHeer Graham, Chief Library Assistant. She also worked in the library for 26 years 7 months.

### **Best Worker Award for 2001**

The staff of the Balme Library nominated Mr. B.D.K. Kusi, Junior Library Assistant Grade III, as the best worker for the year 2001. For his award, he received an amount of two hundred thousand cedis (¢200,000.00) from the Rev. Dr. T.K. Setse Memorial Fund.

### **Conferences/Seminars**

#### **Adanu, Theodosia S.A.**

- She attended a workshop on "Electronic Journals and Electronic Resources Library Management" at the University of Botswana from 2nd to 5th April, 2002.
- She again participated in a similar workshop on the same subject in Dar Es Salaam, Tanzania, from 9th to 19th August, 2002. She was sponsored by International Network for the Availability of Scientific Publications (INASP) to attend those workshops

The objectives of the workshops were:

- a. To introduce participants to the full range of electronic journals and scholarly databases available online.
- b. To demonstrate the range of electronic resources available to participants of the PERI programme.
- c. To provide hands-on experience on using and accessing the range of electronic resources available as part of the PERI programme, among others.

#### **Dodoo, Victoria and Amekuedee, J.O.**

- Attended a workshop on the Database of African Theses and Dissertations

(DATAD) from June 9 – 13, 2002 in Addis Ababa, Ethiopia. The workshop was organised by Association of African Universities (AAU). The theme of the workshop was: "Improving Management and Access to African Scholarly Work".

**Barfi-Adomako, O.**

- attended the "First Nigerian Universities Network (NVNetwork) Planning and Review Workshop" held in Abuja, Nigeria, from 18th to 21st March, 2002. he received sponsorship from the World Bank to attend the workshop.
- He attended the "Conference of Economic Policy Management Programme (EPMs) held in Abidjan, Cote d'Ivoire from 3rd to 5th July, 2002. World Bank Institute and ACBF sponsored him.

**Alemna, A.A., Dodoo, V., Boakye, G.O. and Amekuedee, J.O.**

- They attended the Committee of University Librarians and Their Deputies (CULD) Seminar held in KNUST, Kumasi, fro 31st July – 2nd August, 2002.

Mr. Amekuedee presented a paper entitled: "ICT for Teaching and Learning" at the CULD Seminar.

The theme of the Seminar was: "Information and Communication Technologies (ICT) in Academic and Research Libraries in Ghana".

**Exhibition**

The University of Ghana Branch of Ghana Muslim Students Association in conjunction with the Iranian Cultural Consulate mounted a book exhibition from 3rd to 13th April, 2002.

Another exhibition was held by the Embassy of the Russian Federation from October 14 to October 18, 2002, to display documents in connection with the history of Russian-Ghanaian relations.

**Statistics**

**Periodicals Department**

No. of titles received on subscription	-	38
No. of titles received as gifts	-	76
No. of titles received as Legal Deposits	-	79
No. of titles received as Exchange	-	123
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Total	-	318
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**Orders Department**

**Books and Pamphlets Accessioned (in volumes)**

Purchased books and pamphlets	-	363
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Gifts	-	884
Legal Deposit	-	55
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Total		1,302
		=====

The grand total book stock now stands approximately - 376,557

No. of books bound for Balme Library	-	1,134
Departments, Institutes and Schools		
of the University of Ghana	-	1,133
Total number of books bound	-	2,267

No. of periodicals bound for Balme Library - 517  
 No periodicals were bound for Departments,  
 Institutes and Schools of this University.

No. of Photostats boarded - 60

No. of pamphlets or Photostats bounded  
 (i.e. economy binding) for :

Balme Library	-	80
Depts., Insts & Schools of the		
University of Ghana	-	752
		-----

Total number of items boarded - 832

No. of theses bound - 648  
 No. of items mended - 2,133

No. of newspapers bound:

Ghanaian Newspapers Hard bound	-	4
Daily Graphic	-	4
The Mirror	-	1
Weekly Spectator	-	1
Junior Graphic	-	1
Graphic Sports	-	1

No. of reels of microfilms produced :

Ghanaian Newspapers Hard Bound	-	7
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Other notable services rendered were:

Lamination	-	48
Blocking	-	14
Supply of A4 Cards	-	900
Supply of Library Cards	-	2,160

## Books to Balme Library

Books	-	131
Journals	-	130

## Gifts

The Library as usual continued to receive gifts and other forms of assistance from our traditional benefactors. Principal among them were: The British Council, The British High Commission, Canadian Organisation for Development through Education (CODE) through Ghana Book Trust. Others were The World Bank, and Book Aid International, Columbia University Library, New York, U.S.A., Elon College, North Carolina, U.S.A., and ZED Books of London. The rest were Unimax Macmillan Ltd., Accra, Dr. Osei-Tutu Brempong of Archaeology Department, Legon, Mr. K.B. Quantson, of Accra North, and Dr. Baffour Agyeman-Dua of Ghana Center for Democratic Development. Special mention must be made of a donation of books worth ₵7,185,000 by Just Imagine, Booksellers on Legon Campus.

We thank them all for their invaluable gifts.