

PREFACE

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It is my privilege to present the Annual Report of the University of Ghana to the 2004 Congregation. The report is a demonstration of the commitment of the University to live up to its mandate as enshrined in its mission statement:

"To develop world-class human resources and capabilities to meet national development needs and global challenges through quality teaching, learning, research, and knowledge dissemination."

The University of Ghana has grown to be a large university with current student population of about 23,600. The University is making slow but steady progress towards a 50% female student population with the current proportion being 37.2%. Through conscious efforts, the University intends to increase graduate and foreign students enrolment from the current 5.9% and 1.8% of total student population, respectively.

In the year under review, the University did not relent in its efforts as guided by its Strategic Plan, to create a conducive environment for teaching, learning and research. Plans to expand academic facilities have taken off with the construction of lecture/examination theatres and offices for faculty. Construction work on an extension to the University Library has also started.

In terms of student accommodation, construction has started on a second phase of the International Students Hostel and the Graduate Students Hostel. These two hostels will enable the University increase the intake of foreign students and graduate students. In partnership with NTHC, the University will soon start the construction of the second phase of the Jubilee Hall to ease student accommodation. The Ghana Hostels Limited will also soon start the construction of the second phase of accommodation for about 3000-5000 students. Some private investors have indicated their intention of building hostels for students.

A Sports Complex with a swimming pool, a gymnasium and a stadium is under construction to promote sports for competition, recreation and good health.

The campus of the University of Ghana has one of the best layouts in the world. A beautification programme is being pursued vigorously to improve the aesthetic look of the campus. Some roads are being constructed to open up the campus to ease vehicular and pedestrian traffic.

The new Faculty of Engineering Sciences will take in its first students in the next academic year (2004/2005). The Faculty intends to mount an engineering programme that is more practically-oriented, and will therefore make use of adjunct faculty who are in engineering practice.

Research has been given an impetus through the re-designation of the School of Research and Graduate Studies. It is expected that the coordination of research activities would lead to an increased research output from both graduate students and faculty to help with the development process in Ghana.

Through a grant from the Carnegie Corporation of New York, the University is giving a boost to ICT for both academic and administrative work. Access to ICT to students, faculty and staff is being expanded, the library is being automated and an improved management information system is being established. It is expected that all the libraries in the University will be linked to each other after which the system will be linked to other universities in the country.

As part of the Institutional Transformation Programme I launched during my Induction into office on October 1, 2002, the administration of the University has been re-structured to promote efficiency, reduce unnecessary bureaucracy and introduce professionalism into its operations. Six administrative directorates have been established to manage the administrative system of the University.

Steps have also been taken to bring the University closer to the community through its advocacy work. The establishment of the Accra City Campus of the University is in response to the needs of the working class who require continuous upgrading of their skills and competencies to cope with the demands of the knowledge economy. Lectures at the Accra City Campus are held late in the afternoon and on week-ends. There are plans to offer post-graduate programmes at the Campus. The University is looking forward to the establishment of other City Campuses in other regions of the country.

Cultivating the alumni of the University to contribute to the development of the University continues. With the help of the vibrant University of Ghana Alumni Association, the Vice-Chancellor's Alumni Dinner is organized every month and substantial amounts of money are raised by participants of these dinners towards the Jubilee Hall Project. I am encouraging the graduands to register and be active members of the Alumni Association, and also come to the aid of a University that has done so much for them. There are plans to construct an Alumni Centre on the campus to attract the alumni to visit the campus and share fellowship with each other.

I am assuring faculty, staff, students and the general public that the University of Ghana stands tall among universities in the world. It will continue to provide high quality education so that its prestige can be maintained.

I congratulate all staff as well as benefactors of the University whose efforts made the year under review a success. I also congratulate all graduands and wish them well in their future endeavours.

May God bless you all.

Kwadwo Asenso-Okyere
Vice Chancellor
March 13, 2004

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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 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 51 including two Ph.D. students. 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
Mr K. O. Baah	Snr. Lecturer (Sabbatical Leave)
Dr George T-M. Kwadzo	Lecturer
Mr K. Yerfi Fosu	Lecturer
Mr D. P. K. Amegashie	Lecturer
Dr. D B Sarpong	Lecturer
Mrs Irene S. Egyir	Lecturer
Mr A. Mensah-Bonsu	Lecturer
Mr John B.D. Jatoe	Lecturer
Mr Victor O. Asante	Lecturer (on study leave)
Dr E. K. Andah	Snr. Lecturer (Part-Time)
Dr Sussana Wolf	Visiting Research Fellow

Junior and Senior staff

Emelda A Akotoye	Snr. Administrative Assistant
F.B.Dadson	Snr. Research Assistant
Sarah Omane-Boadi	Snr. Clerk

Grace Nyarko
Reindorf Darkoh
Davies A. Asagmi

Clerk Grade II
Jnr. Lib. Asst. Grade III
Cleaner / Messenger

Research

Asuming-Brempong, S.

- Role of Agriculture (ROA) Project in Ghana – Team Leader and Coordinator of Ghana Case Study under the ROA Project. Areas of research included (i) Economic and Agricultural Policy Review, (ii) Environmental Role of Agriculture, (iii) Poverty Reduction Role of Agriculture, (iv) Food Security Role of Agriculture, (v) Buffer Role of Agriculture, (vi) Social Viability Role of Agriculture, (vii) Cultural Perceptions Role of Agriculture. Funding Agency: Food and Agriculture Organization (FAO).
- Intra-Regional Trade in Sub-Saharan Africa: Policy and Institutional Impediments. A study in collaboration with the Center for Policy Analysis (CEPA), Ghana, and the Food and Agriculture Organization (FAO).

Al-Hassan, R.

- Socio-economic component of the project, 'Enhancing Rural Livelihoods through a Coalition Arrangement for the Dissemination of Improved Rice Post-Production and Marketing Technologies in Northern Ghana'. Project is implemented in collaboration with Food Research Institute, ADRA, and TechnoServe, and is funded by the Department for International Development, UK.
- The Performance of Improved Cereal Varieties in Ghana. Research funded by the Foundation for Advanced Studies in International Development (FASID), in Japan.
- The Role of Agriculture in Poverty Reduction in Ghana. Research is part of a larger research on the Roles of Agriculture in general, funded by the Food and Agriculture Organisation.

Amegashie, D.P.K.

- Stylosanthes Hamata seed production by Smallholder Farmers in the Ejura-Sekyere-Dumase District of the Ashanti Region of Ghana
- D. P. K. Amegashie (with E. A. Mahama and E.K. Andah) Profitability of Broiler Production in Accra-Tema and Kumasi Areas using Breakeven Analysis.

Egyir, I.S.

- Econometric analysis of adoption, and policies of pest management, technologies of stored cereals in Ghana. Ph.D Thesis finalised and submitted for examination, April 2003.
- Beneficiary Assessment of the Root and Tuber Improvement Programme, July September, 2003. Team Member.

Fosu, K. Y.

- Macroeconomic Policies, Agriculture, Development and the Environment.
- Modelling the Effects of Trade Liberalisation Policy on the Composition of Aggregate Output.
- Higher Order Moments of the Distribution of net Returns and the coefficients of Risk Aversion.
- Modelling Improved Technology Use, Replanting and Sustainability of Cocoa Production Systems.
- Agriculture Technology Policy in Ghana.
- Money and Agriculture.
- Economic Modelling of the Linkages Between Global Warming, Water and Agriculture
- Modelling Wealth, Intergenerational Transfer and Savings Behaviour of Cocoa Producers.
- Dynamic Modelling of Resource Structure Under Uncertainty.
- Financial Sector Adjustment Policies and Agricultural Lending in Ghana.
- Agriculture and Economic Development. Theory and Empirical Evidence

Kwadzo G. T-M.

- (George T-M. Kwadzo and Abena Oduro)
The WTO Agreements And Agriculture: A Case Study Of Ghana
African Imperatives In The New World Trade Order: A Case Study Of Ghana
And The Agreement On Agriculture.
- Impact Of Agricultural And Related Reforms On Domestic Food Security In Ghana
- (Ivy Drafor, George T-M. Kwadzo, and Simon Flalor)
- Globalization, Structural Adjustment and Smallholders in Sub-Saharan Africa: Ghana Study.

Mensah-Bonsu, A.

- The Effects of Migration and Cash Crop in Reducing Environmental Pressure (Near completion: PhD Research Work, Free University Amsterdam)
- CIDA/MOFA Food Security Programme in the Eastern Corridor of the Northern Region of Ghana, Baseline Study, Volume 6, Saboba-Chereponi, January 2003.
- (With others) Study on Cocoa Replanting and Improved Technology Use in Ashanti Region: An Action Based Research Programme (On-going)

Sarpong, D. B.

- The Department has a Visiting Research Fellow. Dr. Susanna Wolf, a Senior Research Fellow, Center for Development Research (ZEF), Universitat Bonn, Germany, under the Alexander von Humboldt Foundation is collaborating with Dr. D.B. Sarpong on the research theme: Governance and Investment in Africa: Determinants of Domestic and Foreign Investment in Different Sectors—the case of Ghana. The research collaboration is for at least one year (March 2003-February 2004).

Jatoo, J.B.D.

- A socio-economic study within the project: "Development of Integrated Protocols to Safeguard the Quality of Fresh Yams" otherwise known as Yam Quality Project. 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**Asuming-Brempong, S.**

- SADAOC Foundation International Conference, Bamako, Mali. September 9 – 11, 2002.
- Workshop on Building Agricultural and Natural Resource Education in Africa, Nairobi, Kenya 14 – 16 April, 2003. Organized by the African Network for Agroforestry Education (ANAFE), and the Kenyatta University, Nairobi, Kenya.
- Symposium on Operationalizing the Right to Food in Freetown, Sierra Leone, 19 – 21 May 2003.
- 25th Conference of the International Association of Agricultural Economists (IAAE), August 16 – 23 2003, Durban, South Africa.

Al-Hassan, R.

- International Workshop on the Green Revolution in Asia and Transferability to Africa. Held in Tokyo Japan, 8-10th December 2002.
- ISSER_MoFA-IICD-CORDAID Workshop on Enhancing Agricultural market Access in Ghana: ICTs to Boost Agricultural and Agro-processed Outputs. Held in Legon, 21-24 January, 2003.
- Economic Commission for Africa Ad Hoc Expert Group Meeting in Science and Technology for Sustainable Development: Toward a Green Revolution in Africa. Held in Addis Ababa, 10th-12th June 2003.
- Conference of the International Agricultural Economics Association. Held in Durban South Africa, 16th – 22nd August, 2003.
- Workshop papers Al-Hassan Ramatu and John Baptist Jatoo (2002). The Adoption and Impact of Improved Cereal Varieties in Ghana.
- Al-Hassan Ramatu and Awere Anson Dankyɔ (2003). The Performance of Improved Maize Varieties in Ghana. Presented at the IAEA Pre-conference workshop on the Green Revolution, held in Durban South Africa

Egyir, I. S.

- US-Ghana CCARD Training of Trainers Workshop on Production, and Post Harvest Handling of Pineapple. August 15-19
- US-Ghana CCARD Training of Trainers Workshop on Production, and Post Harvest Handling of Sweet Potatoes. September 15-19.

Fosu, K. Y.

- GEF/World Bank International Workshop on "Climate Change, Water, Agriculture and Agro-ecological Systems", Cape Town, South Africa, December 2002 (Presenter of a Scientific Paper).

- GEF/World Bank International Workshop on Global Warming and Agriculture, Egypt, 2003 (Presenter of a Paper)
- CIRAD, Montpellier, France Workshop on Diversification by Cocoa Producers. 2002 (Presenter of Scientific a Paper)
- CIRAD/SCCS Workshops on Replanting and Use of Improved Technology by Cocoa Producers. 2003 (Presenter of Papers).
- CIRAD/SCCS Workshops on Participatory Research. Togo, 2003.
- Workshop of the Cocoa Policy Research Network, Abidjan, Cote D'Ivoire, 2003.

Sarpong, D.B.

- SADAOC Foundation International Conference, Mali-Bamako, September 9-11, 2002.

Papers:

- (1) Post-Liberalization and Food Market Integration in Ghana.
 - (2) The Effect of Marketing Infrastructure on Cross-Border Food Trade: A Cross-sectional Case Study of Ghana.
- Working Session, FAO-World Bank Study. Globalisation, Structural Adjustment and African Smallholder. Rome-Italy, June 2-3, 2003. Theme: Household and Village Economy Modelling. Operational Guidelines for Globalisation and the African Smallholder Study.
Paper: Key Policy Options in relation to smallholder opportunities from and protection against trade liberalization in Ghana.
 - National Workshop: FAO/MoFA/University of Ghana. The Roles of Agriculture Project. 2-3 September, 2003. GIMPA, Accra.
Paper: Buffer Role of Agriculture in Times of Crisis: The Ghanaian Experience.

Kwadzo G.T-M.

- AERC collaborative Research Project on "African Imperative & the New World Trade Order" Interim Report Workshop Kampala, Uganda
- Method for Assessing Investment Requirements in Agriculture and Results of Investment Assessment. Paper presented at the Workshop on NEPAD and Agricultural Development in Ghana Organized by MOFA-FAO, April 2003
- Inventory Credit: A Financial Product in Ghana. Paper presented at Agro-Lending Workshop held in Sunyani on June 18, 2003 by GTZ-Ghana

Jatoo J.B.D.

- National workshop: NRI/ MOFA/ University of Ghana. Yam Quality Project. 18 - 19, March 2003. Miklin Hotel, Accra.

Mensah-Bonsu, A.

- DFIP Crop Post-Harvest Programme (CPHP) Group Meeting, March 30 – 31, 2001, Accra.
- European Association of Agricultural Economics (EAAE) Seminar, Wye College, Wye, United Kingdom, September 12 –15, 2001.

- WUR – IFPRI Seminar: Development Strategies for Less-Favoured Areas. July 12 – 13, 2002, Doorwerth, The Netherlands.
- Workshop on OLYMPE Software for modelling, April 5 – 12, 2003, Yaounde, Cameroun.

Publications

Asuming-Brempong, S.

- Resource Productivity in Yam and Maize Farming in the Transition and Forest Agro-ecological Zones of Ghana. Paper submitted to SADAOC Foundation under the Food Production Project (2002) (with Ramatu Al-Hassan and Gyiele Nurah).
Developing an Effective Producer-Exporter Linkages in Ghana's Yam Export Trade: Prospects and Constraints. Paper submitted to DFID's Crop Post Harvest Programme (CPHP), UK. (2003) (with J.D.B. Jatoe, R. Tweneboah-Kodua and Ramatu Al-Hassan).
- Export Practice, Export Margins, and Economic Loses in Ghana's Yam Export Marketing. Paper submitted to DFID's Crop Post Harvest Programme (CPHP), UK. (2003) (with J.D.B. Jatoe, R. Tweneboah-Kodua and Ramatu Al-Hassan).
- Agricultural Marketing and Trade in Sierra Leone. June 2003. Technical Report presented to FAO Office, Freetown, Sierra Leone.

Al-Hassan, R.

- Al-Hassan, Ramatu and Irene Egyir (2002). The potential for arm/ non -farm linkages in the cassava subsector in Ghana. In promoting farm/ non-farm linkages for rural development. Case Studies from Africa and Latin America. Ed. Benjamin Davies, Thomas Reardon, Kostas Stamoulis and Paul Winters. Food and Agriculture Organisation, Rome. 2002
- Ramatu Al-Hassan, Samuel Asuming-Brempong and Gyiele Nurah (2002). Resource Productivity in Yam and Maize Farming in the Transition and Forest Agro-ecological Zones of Ghana. Paper submitted to SADAOC, under the Food Production Project.

Amegashie, D.P.K

- D. P. K. Amegashie (with E. A. Mahama and E. K. Andah) "Investment Potentials in the Broiler Industry in Ghana", in *Animal Production in Ghana Proceedings of the Thirteenth Biennial Conference of the Ghana Society of Animal Production (GSAP) Held at Sasakawa Centre Univ. of Cape Coast. August 6-9, 2003; pp. 37-41.*

Egyir, I. S.

- With R. Al-Hassan (2002) The Potential for Farm/ Non farm linkages in the Cassava Sub sector in Ghana. In: D. Benjamin, T. Reardon, K. Stamoulis and P. Winters (eds.), *Promoting Farm/Non farm Linkages for Rural Development. Case Studies for Africa and Latin America.* Food and Agriculture Organisation of the United Nations Rome.

Fosu, K. Y.

- "Trade Liberalisation Policy and the Demand for Sustainable Energy" Journal of Consumer Affairs, VOL. 2, 2003.
- "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).
- Agricultural Technology Policy in Ghana (forthcoming)

Kwadzo, G. T-M.

- Inventory Credit: A Financial Product in Ghana, in Workshop proceedings on Agricultural Finance in Ghana. Organised by GTZ/ ARB Apex Bank pages 19-30.

Sarpong, D.B.

- Sarpong D.B. and V.K. Nyanteng (2002). The Effects of marketing infrastructure on informal cross-border trade: a cross sectional case study of Ghana. SADAOC Working Paper Series. No. 027. October. 24 pp. ISSN 0796-6636.
- Sarpong D.B. and V.O. Asante (2002). Post-liberalization and food market integration in Ghana. SADAOC Working Paper Series. No. 033. October. 30 pp. ISSN 0796-6636.

Mensah-Bonsu, A.

- Population, Economic and Social Infrastructure in Rural Northern Ghana, Paper Presented at the European Association of Agricultural Economics (EAAE) Seminar, Wye College, Wye, United Kingdom, September 12 -15, 2001.
- Rationality of Farm Household Migration Decisions, Working Paper, Free University, Amsterdam, The Netherlands, 2002.
- Rationality of Farm Household Migration Decisions: A Case Study of Northeast Ghana, Paper Presented at PhD Seminar, Tinbergen Institute, Amsterdam, The Netherlands, November 19, 2002.
- Farm Household Land and Labour Use Decisions, Working Paper, Free University, Amsterdam, 2002.

Jatoc, J. B. D.

- Developing an Effective Producer Exporter Linkages in Ghana's Yam Export TradeL: Prospects and constraints. Paper submitted to DFID's Crop Post Harvest Programme (CPHP), UK. (2003) (with S Asuming-Brempong, R. Tweneboah-Kodua and Ramatu Al-Hassan).
- Export Practices, Export Margins, and Economic Losses in Ghana's Formal Yam Export Marketing. Paper submitted to DFID's Crop Post Harvest Programme (CPHP), UK. (2003) (with J.D.B. Jatoc, R. Tweneboah-Kodua and Ramatu Al-Hassan).
- John Baptist D. Jatoc and Ramatu Al-Hassan: Adoption and Impact of Improved Cereal Varieties in Ghana. Presneted at a Workshop on the Green Revolution in Asia and its Transferability to Africa. December 2002.

- John Baptist D. Jatoe and Ramatu Al-Hassan: Role of Agriculture in Poverty Reduction in Ghana: Presented at a National Workshop of the Roles of Agriculture Project. FAO/ MoFA/ University of Ghana. 2 - 3 September, 2003. GIMPA, Accra.

Extension Work

Asuming-Brempong, S.

- Member of FAO Team to Sierra Leone on Agricultural Sector Review background studies. April 30 – May 30, 2003.
- Member of Board of Governors, St John's Grammar School, Accra.

Al-Hassan, R.

- Member, National Advisory Council, of The Hunger Project – Ghana.
- Member, Council of University College of Education, Winneba
- Member, Technical Committee of the Northern Development Forum

Fosu, K. Y.

- Identification and alleviation of the constraints to cocoa replanting in the Ashanti Region of Ghana.
- Identification and alleviation of the constraints to the efficient use of improved technology by cocoa producers in the Ashanti Region of Ghana.
- Delivery of lectures to Canadian exchange students on agriculture and the rural economy, structural adjustment policies, poverty reduction strategies, informal financial institutions and Ghana's Vision 2020.
- Training of scientists on economic modelling.

Amegashie, D. P. K.

- Financial Re-Appraisal of the Afife Irrigation Project – Lecture delivered to students of Certificate for Agricultural Administrators (CAA) at GIMPA, Accra in June, 2003.

Kwadzo, G.T.M.

- Ghana-German Agricultural Support Programme. Strategic Review Workshop.
- US-Ghana CCARD Training of Trainers Workshop on Production, Post-Harvest Handling and Value Addition of Pineapples.
- US-Ghana CCARD Training of Trainers Workshop on Production and Post-Harvest Handling of Sweet Potatoes.
- Lecture on "Agriculture and Development in Ghana" to Cunny Graduate Centre Summer Programme of International Affairs for New School University.
- Technical Group Meeting on Poverty Reduction to Wealth Creation, Building Consensus on a Vision for Ghana

Mensah-Bonsu, A.

- With others) Focus Group Discussion on Constraints of Cocoa Replanting and Improved Technology use with selected cocoa farmers in each of the cocoa districts of the Ashanti Region.

Awards

Fosu K.Y.

- GEF/World Bank Research Award 2002-2003
- GEF/World Bank Travel Award 2003
- CIRAD France Research Award 2003
- CIRAD France Travel Award 2002
- FMFA/CIRAD France Travel Award 2003
- CIRAD/SCCS France Travel Award 2003
- CIRAD/SCCS France Research Award 2003.

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.

Courses

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 MASAE MGSAAE

Senior Lecturer (Head of
Department)

Dr. Aliu A. Mahama MGhIE

Senior Lecturer

Dr. Malcolm N. Josiah AMGhIE MASAE
MGSAAE

Lecturer

Dr. Eric Kra
Mr. Mahama Seidu FGhIE
Dr. S. Abenney-Mickson
Dr. E. B. Sabi MASAE MCSAE

Lecturer.
Senior Lecturer (On Contract)
Lecturer (On Study Leave)
Lecturer (temporal)

Senior and Junior Staff

Mr. Joshua Pekyi
Mr. David Ayikwei
Mr. Anthony Amepome
Ms. Stella Kwami
Mr. Adotey Akwei
Mr. Samuel Younge
Mr. Emmanuel Obeng
Mr. Abraham Tetteh
Ms. Fauatina M. S. Agordah

Chief Technician
Principal Technician
Senior Technician
Senior Administrative Assistant
Assistant transport Officer
Laboratory Technician
Senior Departmental Assistant
Senior Departmental Assistant
Clerk Grade 1

Research

Bani, R. J.

- Performance characteristics of traditional animal houses non-destructive tests for quality assessment of agricultural produce energetics in animal buildings. Modeling of engineering characteristics of biological materials

Mahama, A. A.

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

Josiah, M. N.

- Effect of Different Tillage Practices on Soil Moisture Retention of some Soil Series.
- Performance Evaluation of an Oven Dryer for Copra.
- Uncertainties Associated with In-Situ Determination of Soil Infiltration •
- Characteristics using the Advance Front Method.
- Preservation of Foodstuffs.
- Geostatistical analyses of variability of physical and mechanical properties of soils.
- Geostatistical analyses of variability of crop yield.

Kra, E. Y.

- Open channel flow numerical hydraulic modeling.
- Irrigation system design and analysis
- Computer software development.
- Irrigation system operation and maintenance.
- Modeling of engineering characteristics of biological materials.

Seidu, M.

- Factors affecting the viability of small holder irrigation schemes

- A rotational approach to scheduling irrigation system maintenance.

Publications

Bani, R. J.

- Micro enterprise development in Ghana FESF publications April 2003
Lager Grain Borer under control. Postharvest Forum Vol. 1 May 2003 ISSN: 0855-6334.
- Decision making in rural households. Postharvest Forum Vol. 2 August 2003 ISSN: 0855-6334.
- Post Harvest Losses of Tomatoes in Transit [with M. N. Josiah & E. Y. Kra (submitted).
- Performance of an Evaporative Cooler [with M. N. Josiah & E. Y. Kra] (submitted)
- Criteria for assessing agricultural buildings [with B. C. Stenning] (submitted)

Josiah, M. N.

- Josiah, M.N. , Upadhyaya, S.K. and Rosa, U.A. Relationship Between Variability in Crop Yield and Variability in Water Infiltration Rate (submitted).
- Josiah, M.N. and Upadhyaya, S.K. Effects of Spatial variability in Soil Hydraulic Conductivity and Crop Evapotranspiration rate on variability in Crop Yield (submitted).
- Bani, R.J. , Josiah, M.N. and Kra, E.Y. Post Harvest Losses of Tomatoes in Transit (submitted).
- Josiah, M.N. ,Bani, R.J. and Kra, E.Y. Performance of an Evaporative Cooler (submitted).
- Josiah, M.N. New trends in agricultural engineering; Postharvest Forum. Vol. 2 August (2003). pp18. ISSN: 0855-6334.

Kra, E. Y.

- Kra, E. Y. and Merkley, G. P. (2003). Surface Velocity Coefficients for the Float Method in Rectangular Open Channels. Submitted for publication to ASCE's Journal of Irrigation and Drainage Engineering.
- Bani, R.J. , Josiah, M.N. and Kra, E.Y. Post Harvest Losses of Tomatoes in Transit (submitted).
- Josiah, M.N. ,Bani, R.J. and Kra, E.Y. Performance of an Evaporative Cooler (submitted).

Extension

Bani, R. J.

- Member: Central Planning Committee of the 2nd West Africa Society of Agricultural Engineering International Conference on Agricultural Engineering.
- Member: National Postharvest Working group
- Member: Amalgamated Sports Clubs
- Editor-in-chief: Postharvest Forum, a quarterly publication for postharvest food security and poverty reduction.

Josiah, M. N.

- Member: Executive Committee of the Ghana Society of Agricultural Engineers.
- Member: Scientific and Publication Committee and the Central Planning Committee of the 2nd West Africa Society of Agricultural Engineering International Conference on Agricultural Engineering.

Kra, E. Y.

- Free computer consultations.

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 regard to our post-graduate work, has been the absence of substantive lecture / seminar room for the post-graduate work. At the under-graduate 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 programmes to make them 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 are 6 full-time permanent lecturers instead of the required 9. Positions for 4 Research Fellows remains unfilled.

Courses

The courses covered three levels - namely National Diploma, B.Sc. Agriculture, Post-graduate levels (M.Phil. and PhD.). 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 the 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.

Staff

Senior Members

Vacant (1)

Professor

Vacant (2)

Senior Lecturer

1. Dr. Felix Y.M. Fiadjoe

Lecturer

2. Dr. Owuraku Sakyi-Dawson

Lecturer

3. Dr. Paschal B. Atengdem

Lecturer (Head of Department)

4. Mr. Ernest E. Ackah-Nyamike Jr.

Lecturer (Study Leave)

5. Mr. Seth D. Boateng	Lecturer (Study Leave)
6. Mr. Jonathan N. Anaglo	Lecturer
7. Vacant (2)	Lecturer
8. Vacant (4)	Research Fellows

Senior Staff

Vacant (1)	Chief Administrative Assistant
1. Mr. James K. Madakena	Principal Administrative Assistant
2. Mr. Godfred B. Quarcoo	Senior Transport Officer

Junior Staff

Vacant (1)	Clerk Grade II
1. Ms. Beatrice Manko	Senior Typist
2. Mr. Frank Kumador	Messenger / Cleaner

Four teaching staff taught the courses offered in the department: Two lecturers in 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)
- (With J.N. Anaglo) Development Of The Small And Medium Scale Enterprise Sector Producing Cassava Based Products To Meet Emerging Urban Demand In Ghana.

Sakyi- Dawson, O.

- Convergence of Sciences: Inclusive Technology Innovation Processes for Better Ingegrated Crop and Soil Management. A collaborative Research with Wageningen University, Netherlands, FAO Global IPM Facility, Universite Abomey Calavi, Benin. (On- going).
- Innovative Demand Models for Telecommunication Services in Ghana. A collaborative research with Commonwealth Communications Organisation (CTO), National Communications Authority, Ghana (NCA), and GAMOS Ltd, U.K.(Completed June 2003).

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.

- Working Group Meeting of the Convergence of Sciences Research Project, 7-17 April, 2003.
- Identifying Barriers to adoption of efficient Domestic Energy in rural Northern Ghana. Paper Presented at the Workshop on Poverty, Gender and Household Energy, organised by the Energy Commission of Ghana, at the Miklin Hotel, Accra. 17-18th June 2002.

Publications

Fiadjoe, F.Y.M.

- Fiadjoe, Felix Y.M.; Vincentia Canacoo and Kofi Manu. 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"

Sakyi-Dawson, O.

- .(with Nederlof, E. S. and P. Richards) (2003) Setting Agricultural Research Priorities: Experiences with Technographic Studies in Ghana. Paper Presented at the 23rd Biennial Conference of the Ghana Science Association, KNUST, Kumasi. 4-7th August, 2003.
- .(with Dormon, E.N.A., Obeng-Ofori, D., Leewis, C., van Huis, A. and Al-Hassan, R. (2003) Using Diagnostic Approach to determine farmers' perceptions of the causes of low productivity of cocoa in the Suhum-Krabo-Coaltar District of Ghana. Paper Presented at the 23rd Biennial Conference of the Ghana Science Association, KNUST, Kumasi. 4-7th August, 2003.
- (with Osei, A.) (2003) Farmer Field Schools and Adoption of Integrated Pest Management (IPM) Practices by the Vegetable Farmers at the Weija Irrigation Project, Ghana. Paper Presented at the 23rd Biennial Conference of the Ghana Science Association, KNUST, Kumasi. 4-7th August, 2003.

- (with Adjei-Nsiah, S., Leeuwis, C., Kuyper, T., Cobbina, J., Abekoe, M. , and Giller, K) (2003) Diagnosing Soil Fertility Management Strategies of Farmers in the Forest-Savannah Transitional Agro-Ecological Zone of Ghana. Paper Presented at the 23rd Biennial Conference of the Ghana Science Association, KNUST, Kumasi. 4-7th August, 2003.
- (with Egyir, I) (2003) Sustainable Natural Resources Management and Development in Ghana: The Role of Women. Paper Presented at the 23rd Biennial Conference of the Ghana Science Association, KNUST, Kumasi. 4-7th August, 2003.

Conference, Seminar, 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.

Atengdem, P.B.

- Workshop to Revise and Develop a Post Harvest Curriculum for Ghanaian Institutions : UNCF/ASUUGL/KNUST,Kumasi
- USDA-Ghana Research-Extension Workshop, Elmina.

Anaglo, J.N.

- International Workshop on Development of Small Scale Enterprise Sector Producing Cassava based products to meet emerging urban demand in West Africa. March 24th - 28th 2003

Sakyi-Dawson, O.

- 23rd Biennial Conference of the Ghana Science Association, KNUST, Kumasi. 4-7th August, 2003.

DEPARTMENT OF ANIMAL SCIENCE

Overview

In the 2002/2003 academic year, the Department of Animal Science continued to carry out its basic functions of teaching, research and extension. Senior members showed commitment and dedication to their work. The teaching programme covered Doctorate, Masters, Bachelors and Diploma levels. The practical training component of our programmes suffered, particularly at the lower levels, because of the large number of students and the lack of buses to convey them for field trips.

Products from the Meat Laboratory continued to enjoy patronage from the University community and the Veterinary Clinic also provided its usual services to animal owners in the University and its environs.

Courses Offered

- Undergraduate
- Postgraduate
- National Diploma in General Agriculture
- National Diploma in Animal Health
- MPhil and PhD Programmes offered were in the areas of Animal Breeding, Microbiology and Immunology, and Physiology.

Student Numbers

Level 100	205
Level 200	85
Level 300	11
Level 400	2
MPhil	5
PhD	1
NDA (General) I	47
NDH I	5
NDA (G) II	38
NDH II	4
Total	405

Staffing Position

The breakdown of staff at post was:

- 1 Professor on contract
- 3 Associate Professors
- 3 Senior Lecturers
- 4 Part-time Lecturers
- 5 Part-time Lecturers from ARS, Legon
- 6 Senior Staff
- 6 Junior Staff

In the course of the year, the Department lost Professor Emeritus E.N.W. Opong.

Research / Projects

Aboagye, G.S.

- Studies on the characterization and utilization of indigenous ruminant breeds.

Amaning-Kwarteng, K.

- On-farm manufacture and use of Urea-Molasses Block as multinutrient supplement Dry-Season Supplement.
- Effect of season and cultural practices on yield and nutritive value of Pennisetum purpureum and Panicum maximum.

Assoku, R.K.G.

- Tick-induced immuno suppression in cattle: The role of innate effector T cells.

Awotwi, E.K.

- Periparturient behaviour in small ruminants
- Effect of nutrition on the reproductive performance of the grasscutter.

Awumbila, B.

- Bovine fasciolosis in Ghana (on going).
- Towards addressing the problems in guinea fowl production in Northern Ghana (on going).
- Identification of animal model for investigating the pathogenesis, prevention and treatment of mycobacterium ulcerans infection (in collaboration with Noguchi Institute) (on going).
- Comparative study of human landing catches and pyrethrum spray catches used in malaria vector studies in Ghana (in collaboration with School of Public Health).

Barnes, A.R.

- Development of feed packages (using locally available materials) and processing and marketing opportunities for small holder pig producers in Ghana. (on-going).

Publications**Aboagye, G.S.**

- (2003) Ghana's Farm Animal Genetic resources. Paper presented at First National Workshop on Animal Genetic Resources. Organised by MOFA and FAO, march 12-14, 2003 MOFA Library, Accra.
- Aboagye, G.S., Boa-Amponsem, K., Okantah, S.A. and Ahunu, B.K. (2003). State of the World's Animal Genetic Resources: Ghana Country Report. Prepared for MOFA and sponsored by FAO.

Oppong-Anane, K., Awotwi, E.K. and Addae, P.C.

- (2003). "Physiological response to Exercise in West African Dwarf single-born goats" Proceedings of the 13th Biennial Conference of the Ghana Society of Animal Production, University of Cape Coast. Pp. 77-80.

Oddoie, E.O.K., K. Amaning-Kwarteng K. & Fleischer J.E.

- Response of Cattle to Dry Season Supplementation of Urea-Ammoniated rice straw or untreated rice straw fed with Griffonia simplicifolia or Wheatbran. Bull. Anim. Health Prod. Afr. (Accepted). Ref. PUB/BAR/2973/11 of 16th June, 2003.

Addo, P. Dodoo, A. Adjei, S. and Awumbilla, B.

- Optimal duration of male-female exposure to achieve pregnancy in the grasscutter (*Thryonomys swinderianus*). Livestock Research for Rural development 15: 1-11.

Natala, A.J., Adjei, A.D., and Awumbila B.

- (2003). Comparative in vitro studies of the level of susceptibility of *Amblyomma variegatum* (Fabr. 1794) ticks to four different acaricides in Ghana. *Experimental and Applied Acarology* (in press).

Workshops/Conferences Attended**Aboagye, G.S.**

- First National workshop on Animal Genetic Resources. MOFA Library, Accra, 12-14 March 2003.
- Workshop on Review of Livestock Breeding Policy for Ghana, Koforidua, Ghana. 19th June, 2003.
- Thirteenth Biennial Conference of the Ghana Society of Animal Production. Sasakawa Centre, University of Cape Coast, 6-9th August, 2003.

Amaning-Kwarteng, K.

- Stakeholders workshop on curriculum development for the Agricultural Training Institutions of the Ministry of Food and Agriculture. Sasakawa Centre, Cape Coast University, 22nd-24th April, 2003.

Awumbilla, B.

- Fourteenth Congress and 28th General Meeting of Ghana Veterinary Medical Association – 5th-9th November 2002, Madina-Accra.

Ahunu B.K.

- UNCF/SP Global Partnerships Conference. Arlington, Virginia USA MARCH 6-9, 2003.
- International Workshop on Convergence of Sciences, NMIMR, Legon. Ghana April 11, 2003.
- African Biotechnology Stakeholders Forum – Tuskege University Workshop. Safari Park Hotel Nairobi, Kenya. 4-6th August 2003.
- Workshop on Review of Livestock Breeding Policy for Ghana, Koforidua, Ghana. 19th June, 2003.
- Convergence of Sciences Workshop, Croix du Sud Hotel, Cotonou, Benin. 21-25 April 2003.

Barnes, A.R.

- Ghana Government support for the Ghanaian Agricultural Sector – with the Poultry Industry in Perspective. October 10, 2002: Chairperson Organized by Ghana Centre for Democratic Development.
- Agribusiness For Sustainable Natural African Plant Products: University Partnership Meeting. Deans of Agriculture. Washington D.C. November 3rd – 7th 2002.

Benefactions

In the course of the year the Department received books, Mettler balance, several workshop proceedings and miscellaneous publications of the International Livestock

Research Institute from Dr. Asamoah-Larbi. The Department is very grateful to him for his kind gesture.

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 45% 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 Root and Tuber Improvement Programme (RTIP) and Agricultural Sub-Sector Investment Programme (AgSSIP). In addition, staff continued to carry out their individual research, some of which were done with external collaborators.

In the area of extension, Senior 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 the many efforts made, the problems of the Department continued to be:

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

Courses

Courses offered at the undergraduate (i) and postgraduate (ii) levels include:

- (i) Basic courses in Microbiology, Entomology, Plant Pathology, Genetics and Plant Breeding, Statistics for Agriculturists, Plant Physiology, Crop Production, Molecular Biology, Horticulture, Agro-forestry and Postharvest Science.

- (ii) Genetics and Plant Breeding, Entomology, Crop Protection, Plant Pathology, Agronomy and Horticulture

Student Numbers

Student enrolment in the various courses was as follows:

Ph.D.	4
M.Phil. II	2
M.Phil. I	5
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

(1) Department	Prof. D. Obeng-Ofori
Head of Department	1
Emeritus Professor	2
Professors	3
Associate Professors	5
Senior Lecturers	3
Lecturers	3
Part-time Lecturers	2
Chief Technicians	1
Principal Research Assistant	1
Principal Technician	1
Research Assistant	3
Technicians	2
Assistant Technicians	1
Technical Assistant	1
Senior Administrative Assistant	1
Senior Clerk	1
Typist	1
Driver	1
Messenger/Cleaner	1
Senior Headmen	3
Headmen	2
Labourer	1
(ii) University Farm	
Assistant Technician	1
Tractor Operator Foreman	1

Senior Headman	1
Headmen	2
Labourers	3

Research

(i) Crop Production Research

Norman, J.C.

- Planting material studies on sweet potato.
- Integrated nutrient management in sweet potato
- The role of the landscape industry in sustainable environmental management.

Blay, E.T.

- Mutation breeding of cocoyam, breeding of tomatoes and other vegetables
- Crop germplasm characterization (rice, yams, pepper etc.).

Danquah, E.Y.

- Improvement of cocoyam using gamma irradiation, tissue culture and molecular markers - IATA Project
- Use of microsatellite markers in plant breeding and diversity studies
- Morpho-agronomic and molecular diversity in irradiated and non-irradiated cocoyam (*Xanthosoma sagittifolium*).
- Molecular diversity in cultivated white yams in Ghana.
- Morpho-agronomic and molecular diversity in the genetic resources of Frafra potato (*Solenostemon rotundifolius*) in Ghana.
- Characterization of *Bemisia tabaci* biotypes.

Ofori-Anim, J.

- Plant growth regulators and parthenocarpy in okra, cucumber.
- Organic production of vegetables of Yardlong beans.

Kumaga, F.K.

- Sabbatical Leave

Ofori, K.

- Sabbatical Leave

Amoatey, C.A. (Mrs.)

- Study Leave

(ii) Crop Protection Research

Ayertey, J. N.

- Continued with research on the problem of Larger Grain and its control in Africa.
- Continued to direct students' research on the general theme "Larger Grain Borer Problem in Africa."

Oduro, K.A.

- Aetiology of diseases of crops especially citrus, cassava and tomato.
- Postharvest diseases of root and tuber crops, especially yam.
- Mouldiness of durables (cocoa)
- Diseases of vegetables and ornamentals.

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
- Resistance of pests to insecticides and biopesticides
- Integrated management of pests of cocoa, pawpaw.
- Yardlong bean and vegetables.
- Genetic diversity in Bemisia tabaci.

Boateng, B.A.

- Effect 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.
- Effects of environmental factors on stored product protectants.
- Effects of Jatropha oil on storage insect pests and their natural enemies.
- Postharvest processing and handling of fruits.
- Knowledge perception and practices of traders and storage pest management.

Cornelius, E.W.

- Development of integrated protocols to safeguard the quality of fresh yams.
- Studies on tuber rots of white yam – experiments towards a Ph.D degree.

Offei, S.K.

- Study Leave

Current Research Projects

- Root and Tuber Improvement Programme (RTIP)
- Agricultural Sub-Sector Investment Programme (AgSSIP)
- IAEA/Crop Science Research Project
- Convergence of Sciences Project
- Alcorn State University, University of Ghana and KNUST Postharvest project

Conferences/Workshops/Seminars**Ayertey, J. N.**

- BioNET International 3rd Global Workshop, Pretoria South Africa, 8-12 July 2002

Norman, J.C.

- International Horticulture Congress held in Toronto, Canada, 16th August, 2002. "Tropical Africa"
- Ghana Institute of Horticulturists Scientific Workshop – 5th September.

2002.

- Was Chairman for the Session on Crop Production and Technology.

Oduro, K.A.

- 2nd International Workshop on Yam Quality Project. 9th – 10th July, 2002, Accra, Ghana.
- Consultative forum on the Legal Protection of communities: Farmers' and Plant breeders' right and access to Biological resources organized by the Ministry of Justice in collaboration with the 3rd World by Network-Africa. 3rd December, 2002, Accra, Ghana.
- Accra, Ghana 2003 International Rice Blast End of Project Workshop. March 5, 2003.
- International Workshop on Yam Quality Project. 18th – 19th March, 2003, Accra, Ghana.
- Expert meeting on community Right and Traditional knowledge organized by the Ministry of Justice in collaboration with the 3rd World Network-Africa. 27th April, 2003, Accra, Ghana.
- Peer Review of Risk. Assessment of selected Agricultural commodity organized by Plant Protection and Regulatory Services Directorate. 24th April, 2003, Pokuase.
- Workshop on Good Agricultural (GAP) for Cereals and Pulses organized by MOFA's PPRSD. 16th June, 2003, Sokakope

Obeng-Ofori, D.

- International Postharvest Curriculum Review Workshop, Alcorn State University, Mississippi, USA, 23rd July - 20th August, 2002.
- International Postharvest Curriculum Review Workshop, Alcorn State University, Mississippi, USA, July 23-August 20, 2002.
- International Working Group Workshop on the Convergence of Sciences Project on Diagnostic Studies, October 27-30, 2002, Mensvic Hotel, Accra
- 53rd German Crop Protection Conference, Bonn, Germany, September 16-20, 2002.
- International Working Group Workshop on the Convergence of Sciences Project, April 9-11, 2003, Accra, Ghana
- International Working Group Workshop on the Convergence of Sciences Project, April 12-17, 2003, Cotonou, Benin

Danquah, E.Y.

- 2nd Mutant Germplasm Characterization using Molecular Markers, Seibersdorf & Vienna, Austria, 4th – 29th November, 2002.
- Coordinated Research Programme on the Genetic Improvement of Underutilised Crops, 3rd FAO/IAEA Research Coordination Meeting, Pretoria, South Africa, 17th - 23rd May, 2003.

Ofosu-Anim, J.

- Workshop on Agricultural Policy Work organized by Action Ghana and FAO Regional office. 22nd-23rd May 2003

- Fundraising Fundamentals sponsored by the Carnegie Corporation. April – May 2003.

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., 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, 200

Publications

Norman, J.C.

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

Ayertey, J.N.

- Osekre, E.A., Gbewonyo, W.S.K. and Ayertey, J.N. (2002). Toxicity of Palm oil to the eggs and larvae of *Callosobruchus maculatus* and the effects of some vegetable oils on the nutritional status of treated cowpea in storage. *Insect Science and Its Applications* 22, 221-224.
- Osekre, E.A., and Ayertey, J.N., (In press). Control of the cowpea Beetle *Callosobruchus maculatus* (F) (Coleoptera: Bruchidae) on stored cowpea using vegetable oils. *Ghana Journal of Agricultural Science* (in press)

Oduro, K.A.

- Sowley, E.N.K. and K.A... Oduro, 2002. Effectiveness of curing in controlling fungal-induced storage rot in sweet potato in Ghana. *Tropical Science* 42, 6-10

Blay, E.T.

- Blay, E.T. (2002) Diversity of yams in PLEC demonstration sites in Southern Ghana. *PLEC News and Views* 20: 25-35.
- Danquah, E.Y., Blay, E.T., Offei, S.K., Fosu-Nyarko, J., and Amiteye, S. (2002). Diversity in cocoyam as revealed by random amplified polymorphic DNA. *African Journal of Root and Tuber Crops* (in press).

Obeng-Ofori, D.

- 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

- Obeng-Ofori, D., Aidoo, I.E. and Akuamoah R.K. 2002. Evaluation of Leaf extracts of the siam weed *Chromolaena odorata* (L.) and Mahogany tree *Khaya senegalensis* (Desi.) against the maize weevil *Sitophilus zeamais* (Mot.) Agricultural and Food Science Journal 1, 95-106.
- Obeng-Ofori, D., 2003. Postharvest handling of maize in Developing countries. Pos-harvest Forum 1, 8-13.
- Obeng-Ofori, D., 2003. Rodents: Losses and management in durable farm produce in the tropics. Postharvest Forum 2, 3-11.
- Obeng-Ofori, D., 2003. Effectiveness of vegetable oils in enhancing the activity of essential oil constituents of *Ocimum* plants for the protection of stored grains against insect infestation. Ghana Journal of Science 2, 125-138.

Danquah, E.Y.

- Danquah, E.Y. and Barrett, J.A. (2002). Evidence of natural selection in composite cross five (CCV) of barley. Genetica 115(2), 195-203.
- Blay, E.T., Danquah, E.Y., Ofosu-Anim, J. and Ntummy, 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.
- 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.
- Danquah, E.Y., Hanley, S.J., Brookes, R.C., Aldam, C. and Karp A. (2002). Isolation and characterisation of microsatellites in *Echinochloa* (L.) Beauv. Spp. Molecular Ecology Notes 2(1), 54-56.
- 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.
- Danquah, E.Y., Johnson, D.E., Riches C., Arnold G.M. and Karp A. (2002). Genetic diversity in *Echinochloa* spp. Collected from different geographic origins and within rice fields in Cote d'Ivoire. Weed Research 42(5), 394-405.
- Offei, S.K., Danquah, E.Y., E.T. Blay, Aboagye-Nuamah, F. (2002). Isozyme and total protein polymorphisms among 52 accessions of cocoyam (*Xanthosoma sagittifolium*), Ghana Journal of Horticulture 1, 1-8.

Ofosu-Anim, J.

- Blay, E.T., Danquah, E.Y., Ofosu-Anim, J. and Ntummy, 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.
- The effect of plant growth retardants on the growth of pawpaw (*Ancea papaya*) seedlings. Ghana Journal of Horticulture (in press).

Boateng B.A.

- Boateng, B.A., Ofosu, S.A. and Dabuoh (2003). Postharvest handling of cocoa by farmers and licensed buying companies in some districts of Eastern

- and Western Regions. Journal of Ghana Science Association (submitted)
- Boateng, B.A., Dey, M.E.K. and Apraku, M.O. (2003). Postharvest management of seed maize at two seed processing centres. Journal of Ghana Science Association (Submitted).
- Traders' knowledge, perception and practices in maize and cowpea pest management in the Greater Accra Region. Journal of Ghana Science Association (Submitted).

Cornelius, E.W.

- S.K. Offei, E.W. Cornelius, G.K. Oforu-Budu and V.K. Kpesese (2002). Reaction of citrus rootstocks to basiodiplodia theobromae (Pat) Griffon and Maub: causal agent of citrus gummosis in Ghana. Journal of Applied Science and Technology. 7 (1 & 2), 44-50.
- Cornelius, E.W., Offei, S.K. and Oduro, K.A. Need and possible utilization of an aroma measuring technique for detecting internal tuber rots in tropical root and tubers. Book of Abstracts Ghana Science Association, 23rd Biennial Conference 4th-7th August, 2003, Kumasi, Ghana.

DEPARTMENT OF HOME SCIENCE

Overview

The Department continued with its teaching, research and extension activities towards the enhancement of the quality of life of the family-the focus of the Department's programmes.

Three new lecturers were recruited towards the end of the 2003/2004 academic year. Two of these are products of the Department while the third is from the Department of Agricultural Extension, Legon. This improved the staffing situation somewhat, but the relief has been short-lived as Mrs. Edith Francois, a highly experienced senior lecturer on post-retirement contract, has decided to quit lecturing for good. Thus, the dearth of lecturers still remains acute in the Department.

Student enrolment in the Department increased tremendously. The most gratifying aspect of this is the large proportion of students with the right science background. However, this increase in student numbers also makes more acute, the need for larger laboratories as well as a 60-seater bus for field practicals. The Departmental library in the Annexe has been furnished and students will soon start using it.

During the session, a day's seminar was held in the Department for Educators from New Mexico High School. Two lecturers, Dr. Clara Opare-Obisaw and Mrs. Edith

Francois, spoke on the topics- "Ghanaian Foods and Meals" and the "Ghanaian Family" respectively.

The Head of Department was also invited to St. Roses Senior Secondary School, Akwatia to give a talk to Home Economics Students on entry requirements into the Department, programme options and prospects in Home Science as a profession.

Dr. Jean Steckle, a former lecturer of the Department, whose illness was mentioned in the 2003 Annual Report, passed away in Kitchener, Ontario, Canada. May her soul rest in perfect peace! The Department promises to use her thirty-three thousand US dollar (US\$33,000) endowment fund for the establishment of the Jean Steckle Foundation to promote research in Nutrition, Food and Environmental Health in Home Science, in fulfillment of Dr. Steckle's wishes.

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

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

Student Numbers

No fresh M.Phil students were enrolled because the lecturers were few and overloaded with undergraduate courses.

Post-graduate

M.Phil Part II	2
M.Phil Part I	3

Undergraduate

Level 100	68
Level 200	51
Level 300	21
Level 400	7
Diploma	
Year I	25
Year II	22

Total **199**

Staff

From the start of the academic year, there were 5 full-time lecturers at post, one part-time tutor and one part-time lecturer. One new lecturer joined the Department

at the beginning of the second semester and two towards the end of the second semester. 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. Elizabeth Ba-Ama	New Lecturer
• Mrs. Cynthia Gadegbeku	New Lecturer
• Mrs. Augusta A. Ayertey	New Lecturer
• Ms. Christina Nti +++	Senior Lecturer
• Mrs. Margaret Essamuah	Part-time Tutor
• Mrs. Agnes Amisah	Part-time Lecturer
* On Contract	
** On Sabbatical Leave	
+++ On Study Leave	

Senior and Junior Staff

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

Research Activities

Fianu, Docea A.G.

- The Effect of Sunlight and Drying Methods on the Strength of Ghanaian Printed Cotton Fabrics (In Press).
- Awareness of Environmental Impact of Plastic Bags/Sachets: A case study of Legon Staff village (In Press).

Opare-Obisaw, Clara

- Nutrition knowledge, quality of diet and nutritional status of lactating rural women.
- Socio-cultural influences on dietary adequacy and nutritional status of rural pre-school children.
- Incidence of obesity among primary school children in Accra.

Danquah, Angelina O.

- The relationship between work and stress levels among mothers in Tema.
- Nutrition knowledge, quality of the diet and nutritional status of lactating

women in rural Ghana. The case of Asamang and Asuafula in Ashanti Region.

Publications

Opore-Obisaw, Clara

- C. Opore-Obisaw et al. (2003). The Influence of Advertisements on the Choice of Processed Foods, Beverages and Drinks by Teenagers. Journal of Asian Regional Assoc. for Home Economics Vol. 19, No 1, pp 27-34.
- C. Opore-Obisaw (2003). Nutrition and Reproduction. African Studies Research Review, Vol. 19, No.1

Extension Activities and Hobbies

Fianu, Docea A.G.

- External Examiner: Dept of VOC/TECH Education. University of Cape Coast, Cape Coast.
- External Examiner: Dept. of Home Economics. University College of Education, Winneba.
- Guest speaker at University Primary and JSS, University of Ghana, Legon Annual Speech and Prize-Giving Day. 9th August 2003. Venue: Great Hall, Legon.
- Editorial Board Member: International Journal of Consumer Studies, UK.
- Board Member: Ghana Supply Company Ltd.
- Board Member: Kadjebi-Asato Secondary School, Kadjebi.
- Member: Textiles and Clothing Moderating Committee for JSS and SSS questions for WAEC.
- Patron, Home Science Students Association (HOSSA), Legon.
- Senior Tutor, Volta Hall, Legon.
- Chaired a workshop on Revival of Women for National Reconstruction and Development by women Refuge-Africa (WORA) at GNAT HALL (26-27/3/03).
- Gave a lecture on "Dress Sense" to Methodist, Presbyterian Union (Ladies wing) at Legon on 6/11/02 and repeated the same lecture on 19/3/03.
- Chaired a lecture on "Who is a Complete Woman" with emphasis on vaginal health by The Christian Professionals Fellowship (CPF) at Legon (16/10/02)
- Gave a lecture on the Production of Good Quality Fabrics to Batik and Tie-Dye Association Members in Accra.
- Gave a lecture on "Entry Requirements, Programme Options and Career Opportunities in Home Science to Home Economics students at St. Rose's Secondary School, Akwatia (June, 2003)
- Attended a workshop on "Confronting Sexual Harassment in Ghanaian Universities" by the Centre for Development Studies, University of Cape Coast at Legon on 10/4/03.
- Attended a workshop on the "Convergence of Science: Technology Innovation Process for Better Integrated Crop and Soil Management" at NOGUCHI, Legon (11/4/03).
- Attended Ghana Home Economics Associations (GHEA) seminar on "Well Mother. Well Baby at GIMPA, Accra (3/10/03).

- Organized a day's seminar on " Ghanaian Foods and Meals" and the "Ghanaian Family" for a Fulbright-Hay Group of 18 Public School Teachers led by two professors in Family and Consumer Sciences and Agriculture from the Eastern New Mexico University, USA on 2nd July, 2003.

Opare-Obisaw, Clara

- External Assessor for Promotion of Academic Staff of the University College of Winneba – 2003
- Presented a Paper on "The Consumer's View of Drug Advertisements" at a Food and Drugs Board Advertisers Seminar – 20th November 2002.
- Member of an Interviewing Panel for the selection of a Librarian and Administrative Assistant for the Presbyterian University College – 12th March 2003.
- Member of an Interviewing Panel for the selection of the Chief Technical Officer (Catering) for CSIR- 18th March 2003.
- Member of a team of 14 who worked on the planning for the establishment of the Department of Dietetics, School of Allied Health Science – 24th to 28th March 2003.
- Delivered the 'Vote of Thanks' at the launching of the Presbyterian University College – 30th March 2003.
- Participant of the Closing Ceremony of the WHO Multicentre Growth Reference Study (Ghana Site) – 18th June 2003.
- Attended the launching of the first National Food Safety Week –9th June 2003.
- Spoke at a Consumer Forum organized by the Food and Drugs Board on the Topic: "Food Safety at the Market Place" – 13th June 2003.
- Gave a lecture on "Ghanaian Foods and Meals" to a Fulbright-Hays Group Abroad (18 public school teachers from the USA) – 2nd July 2003.
- Gave a lecture on "Key Features of the Ghanaian Family" to Butlter University Educational Tour Group from USA-5th July 2003.
- Attended a day's Workshop on a project for Research to Improve Infant Nutrition and Growth (RIING PROJECT) 12th August 2003.
- Gave a lecture on "Managing the Home" to church members of the Dispensational Gospel Mission in Accra-11th August 2003.

Danquah, Angelina

- Honorary Coach, Amalgamated Sport Clubs, Legon.

DEPARTMENT OF SOIL SCIENCE

Overview

The Department's activities during the year under review, covered teaching at both the undergraduate and graduate levels, research spanning basic, strategic, and adaptive modes, and extension work involving soil surveys and fertility evaluation for some commercial farms. The Department has reviewed both its undergraduate and postgraduate programmes to include environment-related courses. We, therefore, continue to pursue a change of name from the present Soil Science to Soil and Environmental Resource Science (SERS) to reflect the new course content

Courses

At the undergraduate level, the Department offers courses in Soil Morphology, Soil Mineralogy, Soil Characterization and Classification, Physical Properties of the Soil-Plant Environment, Soil Physics, Physical Properties in Relation to Soil Productivity, Soil-Water Relations, Biochemical Properties of Soils, and Soil Chemistry and Fertility. Introduction to Soil Science and the Environment is taught at Level 100 to serve as a background course for the beginners. In line with the proposed change of name, emphasis is placed on Management of the Environment at Levels 300 and 400 to broaden students' horizon in Soil Science. At the postgraduate level, we offer courses in the four broad Soil Science disciplines, viz. Soil Biology (includes Soil Biochemistry and Soil Microbiology), Soil Chemistry, Soil Physics and Pedology.

Student numbers

Currently, the Department has five M.Phil and two Ph.D students at various stages of their programmes. Student numbers at the undergraduate level are:

NDA I	36
NDA II	2
BSc. Agriculture Level 200	186
BSc. Agriculture Level 300	79
BSc. Agriculture Level 400	6

Research

The Department continues to conduct research in all the major disciplines of Soil Science. Soil Chemistry and Fertility research continue to focus on integrated plant nutrient management using organic residues to augment the release of phosphorus from phosphate rocks. Characterization and use of compost from Teshie Compost Plant for vegetable production are being undertaken. Integration of forages to increase dairy production and improve soil productivity in small holder dairy farms in the savanna zone of Ghana is in progress under Soil Fertility Management. Studies on Pedo-transfer functions, in situ soil-water management to alleviate

drought and enhance the root zone environment and the calibration /application of crop models continue to be major research activities in Soil Physics. In addition, the Soil Physics section is actively involved in an US-Israeli-Soil Science Department project to compare low intensity drip irrigation with furrow irrigation of pepper at Ashiaman Irrigation Project site. Pedological studies include soils and land-use in the proposed Bui Hydroelectric Power Project site, characterization of saline and non-saline soils at Ashaiman, soils under woodlot and also the effects of cropping systems on the potential to increase soil carbon levels. The major research areas in Soil Microbiology include (a) ecology of rhizobia in Ghanaian soils, (b) nodulation and nitrogen fixation of important grain/pasture/cover and tree legumes in Ghanaian soils, (c) soil organic matter enhancement for sustainable agricultural production, (d) relating the community structure of autotrophic ammonia oxidizers to nitrogen mineralization, (e) intensifying the use of green manure (*Azolla* and *Sesbania*) in lowland rice cultivation, and (f) the effect of pesticides (atrazine) on rhizospheric microorganisms. The Department is currently undertaking several projects including research into the effect of quality/quantity of organic matter on maize production in the Ashanti Region (AgSSIP) and evaluation of low-pressure drip (LPD) system for irrigation at Ashaiman under the Ghana-Israeli-US Project.

Staff Strength

The number of Senior Members currently at post is eight. During the period under review, two senior members, Drs. G.N.N. Dowuona and S.G.K. Adiku, were promoted to Associate Professors. Professor G.N.N. Dowuona is presently on a two-year sabbatical leave which started from 1st October 2003, while Professor S.G.K. Adiku has just resumed duty after a 10-month study leave (January to November 2003) in Germany. Professor S.K.A. Danso who is the Director of Ecological Laboratory and also a Senior Member of the Department has been appointed Chair, Geo-Environmental Science of the University. There were also some changes in our Administrative and Technical Staff positions. The current staff strength is as follows:

Teaching and Research Staff

S. Asuming-Brempong <i>BSc. (Agric) (Ghana), MSc. (Philippines), Ph.D (Michigan State)</i>	Senior Research Fellow / Head of Dept.
*K.B. Laryea <i>BSc. (Agric) (Ghana), MSc. (Sydney) Ph.D (Guelph)</i>	Professor
S.K.A. Danso <i>BSc. (Agric) (Ghana), MSc. (Cornell) Ph.D (Cornell)</i>	Professor
*J.K. Amatekpor <i>BA (Ghana), MSc. (Ghent), Ph.D (Cornell)</i>	Associate Professor

S.G.K. Adiku Associate Professor
*BSc. (Agric) (Ghana),
MSc (TU Berlin), Ph.D (Griff)*

**G.N.N. Dowuona Associate Professor
*BSc. (Agric) (Kumasi), MSc. (Ghana),
Ph.D (Sask)*

M.K. Abekoe Senior Lecturer
*BSc. (Agric) (Cape Coast),
M.Phil. (Ghana), Ph.D (Sask)*

T.A. Adjadeh Lecturer
*BSc. (Agric) (Ghana)
MSc. (Iwate), Ph.D (Iwate)*

E.K. Nartey Lecturer
*BSc (Agric) (Cape Coast),
MPhil. (Ghana), Ph.D (Ehime)*

*On contract

**On Sabbatical Leave

Administrative Staff

Ms. C. Agbezudor	Principal Administrative Assistant
***Ms. N.A. Lassey	Administrative Assistant
***Mrs. B. Zaukunu	Secretary Grade 1
Miss A. Alorbi	Clerk Grade II
Ms. J.A. Darku	Messenger / Cleaner
Mr. Enoch Atendana	Library Assistant III
Mr. C.K. Asagba	Assistant Transport Officer

Technical Staff

Mr. J. Natenor	Senior 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. D. Tsatsu	Technician
Mr. E. Anum	Assistant Technician
Mr. R. Adjei	Groundsman
*** On study leave	

Publications

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

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

- (2003). Long-term cropping effect on phosphorus fractions in an Ultisol of the humid forest zone of West Africa. *Comm. Soil Sci. Plant Anal.* Vol. 34, Nos. 3 & 4: 427-437.

Abekoe, M.K., and Agyin-Birikorang, S.

- (2002). Greenhouse study on enhancement of availability of phosphorus from Togo rock phosphate using poultry manure. *Proc. Soil Sci. Soc. of Ghana.* Vol 16: 19-26.

Adiku, S.G.K.

- (2003) Uptake by Plant Roots In: B.A. Stewart and T Howell (eds.) *Encyclopaedia of Water Science*, First Edition, Pub.: Marcel Dekker Inc. NY, USA. <http://www.dekker.com/servlet/productid/E-EWS>
- (2003). Uptake by Plant Roots: Modelling Water Extraction. In: B.A. Stewart and T Howell (eds.) *Encyclopaedia of Water Science* First Edition, Pub: MarcelDekker Inc. NY, USA <http://www.dekker.com/servlet/productid/E-EWS>

Amatekpor, J.K. and Dowuona, G.N.N.

- (2003). Soil suitability for multipurpose agricultural enterprise. Dept. of Soil Sci. Pub. No. 001/2003.

Dogbetor, W.H.K., Amatekpor, J.K., and Dowuona, G.N.N.

- (2002). Pedological differences in a Cambisol in the Lower Volta Floodplain. *Proc. Soil Sci. Soc. of Ghana.* Vol. 16: 27-39

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

- (2002). Changes in the properties of soils under three land-use systems. *Soil Sci. Soc. of Ghana, Proc. Soil Sci. Soc. of Ghana.* Vol. 16: 113-118.

Tanaka, S., Sugimura, T. and Adjadeh, T.A.

- (2002). A phase analysis of season on the earth surface using GVIP data. *Advances in Space Research. COSPAR, 30(II): 2495-2499*, Pergamon, Elsevier Science Ltd., London.

Tanaka, M., Adjadeh, T.A., Tanaka S., and Sugimura, T.

- (2002). Water surface measurement of Lake Volta using SSM/1 37-GHZ Polarization Difference in rainy season. *Advances in Space Research, COSPAR, 30(II): 2501-2504*, Pergamon, Elsevier Science Ltd., London.

Asuming-Brempong, S., Amon, N.K., and Adusei-Okrah, V.

- (2003). Mineralization studies of Azolla and the effect on rice cultivation in the Vertisol. Pp. 41-42. In extended Abstracts of the 18th Annual General Meeting of the Soil Sci. Soc. of Ghana.

- Nartey, E., Dowuona, G.N.N., Ahenkorah, Y., Mermut, A.R., and Tiessen, H.**
- (2002). Quantitative evaluation of nutrient mobility in two Plinthic Lixisols of the Interior Savanna zone of Ghana. Proc. Soil Sci. Soc. of Ghana. Vol. 16:58-65.

- Nartey, E., Matsue, N., and Henmi, T.**
- (2001). Charge characteristics modification mechanisms of nano-ball allophone upon orthosilicic acid adsorption. Clay Sci., 11: 465-477.

Papers presented at Conferences

Abekoe, M.K., Obeng-Ofori, D. and Agyir, I.S.

- Determining recent challenges of (2003) Ghana's cocoa industry: A technographic approach. Paper presented at 3rd Biennial Conference of Ghana Sci. Assoc. Kwame Nkrumah Univ. of Sci. and Tech. (KNUST), Kumasi, 4th-7th August 2003.

Adjei-Nsiah, S., Leeuwis, C., Sakyi-Dawson, O., Kuyper, T., Cobbina, J., Abekoe, M.K., and Giller, K.

- (2003) Diagnosing soil fertility management strategies of farmers in the forest/savanna transitional agro-ecological zone of Ghana. Paper presented at 3rd Biennial Conference of Ghana Sci. Assoc., Kwame Nkrumah Univ. of Sci. and Tech. (KNUST), Kumasi, 4th-7th August 2003.

Asuming-Brempong, S., Amon, N. K and Adusei-Okrah, V.

- Mineralization Studies of Azolla and the Effect on rice cultivation in the Vertisol. Paper presented at the 18th Annual General meeting of the Soil Science Society of Ghana 27th July-August 2nd, 2003.

Broughton, W., and Danso, S.K.A.

- (2002). Strategies for enhancing BNF technologies. Paper presented at 10th Conference, African Association for Biological Nitrogen fixation, Accra, Ghana, 28th October-1st November, 2002.

Kumaga, F.K., and Danso, S.K.A.

- (2002). The combined effect of Bradyrhizobial inoculation and phosphorus fertilization on nodulation, N₂ fixation and growth of cowpea (*Vigna unguiculata* Walp). Paper presented at 10th Conference, African Association for Biological Nitrogen fixation, Accra, Ghana, 28th October-1st November, 2002.

Fenning, J.O., Sessitch, A. and Danso, S.K.A.

- (2002). Genomic heterogeneity within cowpea Bradyrhizobia isolated from Ghanaian soils. Paper presented at 10th Conference, African Association for Biological Nitrogen fixation, Accra, Ghana, 28th October-1st November, 2002.

Seminars/Workshops Attended

Abekoe, M.K., and Danso, S.K.A.

- West Africa's savannah under change: Sensitivity of the savannas to

population changes, cultivation changes and climate, Paris, France. 26th - 31st March, 2003.

Abekoe, M.K.

- International Workshop on Convergence of Sciences, Cotonou, Benin. 12th-17th April 2003.

Danso, S.K.A.

- The 10th Conference of the African Association for Biological Nitrogen Fixation, GIMPA, Accra, Ghana, 28th October-1st November, 2002

Dowuona, G.N.N.

- Workshop on SM-CRSP Carbon and NuMass Activities. Bambey, Senegal. 17th-21st February, 2003.
- Workshop on Water Conservation Technologies. Bloemfontein, South Africa. 7th-11th April, 2003.

Senior Members of Soil Science Department (Abekoe, M.K, Adjadeh, T.A., Amatekpor, J.K., Asuming-Brempong, S., Danso, S.K.A., Dowuona, G.N.N., Laryea, K.B, and Nartey, E.) organized and attended an International Conference on Managing Soils for Food Security, Human Health and the Environment: Emerging strategies for poverty alleviation. 18th Annual General Meeting of Soil Sci. Soc. of Ghana, GIMPA, Accra, Ghana. 27th July-2nd August, 2003.

AGRICULTURAL RESEARCH STATION, KADE

Administration

Prof. K. Afreh-Nuamah took over as Head of the station from Dr. K.G. Ofosu-Budu with effect from 1st October 2003.

Mr. Collison Brentu was granted Part-time Study Leave for a Ph.D. degree tenable at the Crop Science Department, University of Ghana, Legon.

Three Research Assistants also proceeded on Study Leave for an M.Phil degree at this University.

Senior Members of the station continued to offer lectures at Crop Science Department of the University.

Staffing Position

The breakdown of staff at post was:

- 2 Associate Professors
- 4 Senior Research Officers
- 3 Research Officers
- 3 Research Assistants
- 13 Senior Staffs
- 149 Junior Staff

Out of this number, 1 Research Officer was on Study leave.

1 Associate Professor and 1 Senior Research Officer were on Post-retirement contract.

5 Members of staff (1 Senior Staff and 4 Junior Staff) retired from the service of the University.

Research Activities

Afreh-Nuamah, K

- IPM/FFS Validation trials with cocoa farmers around the Kakum National Park, Cape Coast – Central Region.
- 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
- Recycling of organic wastes for crop production
- Bio-conversion of organic waste for Agricultural Production.

Hotsonyame, G.K.

- Evaluation of improved plantain and banana varieties in Farmers Fields in Sekondi-Takoradi peri-urban zone.
- Improvement of the Reduced Fallow System for Sustainable Food Crop Production.
- Integration of Plantain with Leguminous 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)

Oduro Nkansah, G.

- Effect of different fertiliser rates on growth, yield, and fruit quality of mango.
- Evaluation of different pepper lines for their morphological and yield characteristics

- Effect of carbonated rice husk on growth and yield of onion and carrots
- Effect of grafting on tomato improvement
- Effect of foliar nutrition on growth, yield and fruit quality of some vegetables
- Breeding for heat tolerance in tomatoes in Ghana

Fianu, F.K.

- Stylosanthes seed production under humid forest. Browse plant propagation and utilization.

Brentu, F.C.

- 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 Kwaebibirem, Birim North and South districts
- Training farmers in agronomic and post harvest practices in citrus.
- Resource person on citrus for workshop for members of Citrus Growers and Marketing Association of Ghana.
- Member, MOFA /AgSSIP Oversight Committee on Tree crop
- Member, MOFA/AgSSIP Oversight Committee on Vegetables.

Fianu, F.K.

- Chairman, adhoc Committee to investigate means of revitalizing Aveyime Cattle Ranch.
- Member/Secretary – three-man committee of MOFA to investigate activities of transhuman (alien) herdsmen in Ghana.
- Feed production by farmers engaged in peri-urban dairy Production.

Afreh-Nuamah, K.

- Member of Ghana-FAO mission termed “the Growing Connection – IT/ Extension Pilot Project for Ghana”. to explore the use of Information technology (IT) in the delivery of the Special Programme for Food Security (SPFS)
- Resource person/Facilitator in the training of Extension Officers and farmers in the Integrated Production and Pest Management, Farmers’ Field School (IPPM/FFS).
- Ex-officio member, National IPM Oversight Committee.

Osei, J.K.

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

Hotsonyame, G.K.

- Training of farmers and students in technologies of Plantain Production.

Conferences/Seminars

Conference(s) Attended

Oofosu-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., Afreh-Nuamah, K., Obeng-Ofori, D. and Oofosu-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
- F. Owusu-Ansah, K. Afreh-Nuamah, D. Obeng-Ofori and K.G. Oofosu-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. and Afreh-Nuamah, K.

- (2002). Effect of Treatment of Planting Material on the Growth and Yield of Plantain. Ghana Journal of Horticulture. Vol.1., 59-72

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).

Oofosu-Anim J., Oofosu-Budu K. G., Blay, E. T. and Offei, 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., Owusu, E. O., and Bonsu, K. O.

- 2002. Effect of some foliar nutrients on growth, yield and fruit quality and agronomic indicators of tomato. GhanaJournalofHorticulture. Vol. 1: 24-29.

Ofosu-Budu, K.G.

- (2003). Effect of Phospho-Compost on yield and fruit quality of heat tolerant Tomato. Ghana Journal of Horticulture.
- (2003). Performance of Citrus Rootstock in the forest zone of Ghana. Ghana Jnl. of Horticulture (In Press)
- (2003). Response of Tomato to Different Compost Amendments. Presented at the 18th General Meeting of Soil Science Society – 27th July- 2nd August 2003.

Fianu, K.E, Fusheini, M.M., Oppong-Anane, K., Amegashie, D.P.K., Timpong-Jones, E. and Fianu, F.K.

- (In Press). *Stylosanthes hamata* seed production by small holder farmers in the Ejura-Sekyidumase District of the Ashanti Region of Ghana. Ghana Journal of Animal Science.

Antwi, K., Fianu, F.K., and Agyen-Frempong, M.

- (2003). Management of Alien herdsman and Their cattle in Ghana. Report to the Ministry of Food and Agriculture.

AGRICULTURAL RESEARCH STATION, KPONG

Overview

During the period 2002/2003, the Agricultural Research Station, Kpong (ARS, Kpong) continued with research and extension activities in the subject areas of:

- Agronomy
- Soil-water relationships
- Management of weeds, insect pests and diseases of crop plants on the Vertisols.

The Station participated for the first time in the Leventis Foundation Farmers Training Programme (LFFTP). A group of nine Trainees were taken through (i) basic principles and practice of different methods of rice cultivation (ii) growth and management of legumes and vegetables (iii) animal health, cattle and poultry management

During the long vacation, four (4) batches of Post-level 200 Agriculture Students from the Faculty of Agriculture, Legon, spent two (2) weeks each on the Station. They were exposed to: practical aspects of the cultivation of cereals and legumes; aspects of beef cattle improvement programme; Vertisol management and agrometeorology. The Station also received the Agricultural College students from Ohawu, Damongo and Ejura for general field training.

Staff

In the course of the period, Dr. J. W. Oteng, a retired Senior Research Officer, was given an appointment on contract. A Principal Research Assistant, Mr. Ferdinand Mawunya, was appointed a Research Officer with effect from 1st May, 2003. Mr. Daniel Acquah, a Senior Staff, is on study-leave. Two Junior Staff retired while another Junior Staff, Mr. Albert Nomo Martey, a Driver Grade II died on 13th September, 2003. The current staffing position therefore stands at:

Research Officers	5
Senior Staff	12
Junior Staff	47
Daily Rated staff	17
Temporary Staff	6
Total staff strength	87

On-going Research

Darkwa, E.O.

- An assessment of the fruit size and juice quality of cultivars of sweet oranges grown on the Vertisol.
- Evaluation of the incidence and relative susceptibilities of a selection of hot pepper cultivars to pests and diseases.
- Selection of suitable cultivars of Tomato for dry season cultivation on the Vertisols (An evaluation of resistance/tolerance to heat stress, pests and disease incidence).
- Evaluation of foliar/liquid fertilizers as a component of an integrated management of pests and diseases of vegetables.

Nyalemegbe, K.K.

- Utilisation of Azolla as manure in lowland rice cultivation on the Vertisols of the Accra plains.
- Utilisation of Sesbania and other legumes as source of nitrogen in irrigated rice on the Vertisols of the Accra plains.
- Development of technologies for using leguminous crops for sustainable crop production.
- Development of improved fallow farming system using leguminous plants.

Oteng, J.W.

Rice Research

- Integrated Rice-Fish Culture [aims to (i) optimize output per unit area through the production of rice and fish simultaneously on the same paddy field, (ii) increase rice output by ratooning i.e. harvest a second rice crop

- from the first crop (iii) reduce rice production cost through low input of rice pesticides which may harm the fish (iv) benefit from organic manure emanating from fish droppings in the field thus reducing inorganic fertilizer requirement (v) improve upon farmers' income and nutrition.]
- The experiment to (i) assess Biogreen 988 [an organic nutritional compound with insecticidal and fungicidal properties] as a fertilizer supplement on irrigated rice and (ii) ascertain its effect on rice nutrition and protection, was completed.

Sugarcane Research/Development Programme

- Ten elite sugarcane cultivars from Sudan, Guyana and India have been nursed.
- The nursery stage will be followed by a two-cycle germplasm multiplication programme before the commencement of specific research projects.
- The Sugarcane development will be commercialised to produce syrup, brown sugar and alcohol. It is hoped the alcohol will be rectified to the analytical reagent level to be used by educational institutions, hospitals, pharmaceutical companies as well as breweries for the production of alcoholic beverages.

Yangyuoru, M.

- Optimal management and release of irrigation water from the constructed micro-dam at ARS-Kpong.
- Evaluating the rate of degradation of soil surface profile of landforms developed on the Vertisols.
- Effect of variable seasonal rainfall, irrigation and cultural practices on the yield of maize and cowpea on Vertisols.
- Water-logging on Vertic clays, the effects on maize and options for improved management
- Effects of soil conditions on the productivity and physical properties of some soils in Ghana.
- Introduction and management of citrus in the coastal savannah zone.
- Evaluation of the efficacy of Agri-Gro Liquid Concentrate on the performance of maize, rice and pepper on three soil series in Ghana

Mawunya, D.F.

- Assessing soil improvement and foliar capabilities of Powerplant Liquid fertilizer.
- Evaluation of the efficacy of Agri-Gro Liquid Concentrate on the performance of maize, rice and pepper on three soil series in Ghana.

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.

Staff from the Station also participated in teaching and practical programmes organised by the Ministry of Food and Agriculture (MOFA), at the Bok Nam Kim Agricultural College, Asutsuare, for serving field staff.

Publications/Papers Presented at Conferences

Buadu, E. J., Gounu, S., Cardwell, K. F., Mochiah, B., Botchwey, M.,

Darkwa, E. O., Schulthess, F.

- Distribution and relative importance of insect pests and diseases of maize in southern Ghana. *African Plant Protection* Vol. 8. Nos. 1 & 2. (August, 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. International Conference of the African Association of Biological Nitrogen Fixation, GIMPA, Accra, Ghana, 7-12 October, 2002.

Nyalemegbe, K., Darkwa, E.O. , Yangyuoru, M., Oteng, J.W., Jerry, P.J.,

Willcocks, T.J. and Acquah, D.

- Variations in soil fertility across camber bed drainage landforms and their effects on the growth and yield of maize. International Conference on Managing Soils for Food Security, Human Health and the Environment: Emerging Strategies for Poverty Alleviation, 27th July ~ August 2nd 2003, GIMPA, Accra: 38-39 (2003).

Yangyuoru, M., Boateng, E., Adiku, S.G.K. Acquah, D., Adjadeh, T. and

Mawunya, D.F.

- Effects of natural and synthetic soil conditioners on soils moisture retention and yield of maize. *West African Journal of Applied Ecology (WAJAE)*, 2003: (In press).

Yangyuoru, M., T. Kawachi, K. Unami, S.G.K. Adiku, F. Mawunya and S.

Quarshie

- Comparison of rainfed and potential yields of maize and cowpea on the Vertisols of Ghana. *Journal of Rainwater Catchment System (JRCSA)*, 2003: (In press).

Workshops/Conferences attended:

Yangyuoru, M.

- CGIAR Challenge program on water and food, stakeholder workshop on research priorities on water and food in the Volta Basin, Accra, Bayview Hotel, 17th July 2003.
- International Conference on Managing Soils for Food Security, Human Health and the Environment: Emerging Strategies for Poverty Alleviation, GIMPA, Accra, 27th July ~ August 2nd 2003.

Nyalemegbe, K.K.

- International Conference on Managing Soils for Food Security, Human

Health and the Environment: Emerging Strategies for Poverty Alleviation, GIMPA, Accra, 27th July ~ August 2nd 2003.

Mawunya, D.F.

- International Conference on Managing Soils for Food Security, Human Health and the Environment: Emerging Strategies for Poverty Alleviation, GIMPA, Accra, 27th July ~ August 2nd 2003.

Extension

Yangyuoru, M.

- Practical water management in rice production for farmers. By Bok Nam Kim's Agricultural School and Farm Ltd, July 2003.
- Soil analysis for, Kinexx Int. Ltd., Accra.

Darkwa, E. O.

- Co-ordination of the Benson Agriculture and Food Institute (BAFI)'s Family Self-Sufficiency Programme in Okwenya and five other communities in the Manya, Asuogyaman and Osudoku Districts. The programme focuses on research and promotion of enlightened agricultural practices that will improve the quantity and quality of food for the rural poor communities.

Mawunya, D.F.

- Land and water management strategies for dry season vegetable production on the Vertisol of the Accra plains. Vallex Foods Ltd., Kpong.

Nyalemegbe, K.K.

- Demonstration of on-farm research results to farmers at the Kpong Irrigation Project (KIP) site, Asutsuare.

AGRICULTURAL RESEARCH STATION, LEGON

Overview

The Agricultural Research Station, Legon, is celebrating its Golden Jubilee this year. The Station was established 50 years ago as the first of three research stations of the Faculty of Agriculture. The Station continues to maintain cattle, sheep, goats, pigs, donkeys and poultry for teaching, research and commercial purposes. The Station also has an annex –Katamanso Farm–for commercial production of livestock and poultry

For the last decade the Station has not had pipe borne water. However, The Station connected potable water in November 2003, from its internally generated funds.

The Meteorological Services Department has also revived the weather station located on the Station and has employed a full time Technical Assistant to collect climatic data. This data will be available for use by researchers in the Accra Plains. The Station is cooperating with Meteorological Service Department to keep this weather station active.

The Leventis Foundation Farmer Training Programme admitted and trained the 14th batch of 40 students. The Programme is being expanded for some students to be resident at the other two Research Stations.

Staff

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

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

Mr. Francis Okley retired from the service of the University. Mr Kofi Asante and Mr Osmanu Ibrahim were transferred from the Station.

Practical Training

The Station continues to provide 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.

Educational Visits

During the year, over 1500 students from Kingdergarten, Junior Secondary Schools, Senior Secondary Schools, Training Colleges and from other public and private universities visited the Station. Schools from as near as Madina and as far as Dunkwa-on-Offin visited the Station.

Teaching

Research Officers continued to contribute towards academic activities at the Department of Animal Science and Department of Crop Science, Legon.

Research Activities

Adjorlolo, L. K.

- Studies on small ruminant production models for Southern Ghana.
- Technical and economic assessment of intensive small ruminant production in urban areas of Ghana – Case study in Accra.
- Studies on 'maximum profit' feed formulation system for poultry.

Adogla-Bessa, T.

- Seed production of forages
- Integrating small ruminants in tree crop plantations
- Evaluating value of browse forages
- Gas production profile of common forages

Canacoo, E. A.

- Reproductive failure in pigs at ARS Legon

Mahama, E. A.

- Cost Structure of broiler production at ARS, Legon
- Assessing the viability of fattening pigs for meat at ARS, Legon
- Cost-Benefit Analysis of intensive production of small ruminants in Accra

Naazie, A.

- Poultry production improvements in Northern Ghana
- Feed restriction effects in laying fowls
- Use of local cattle breeds in dairy production
- Integrating ruminants in coconut plantations

Timpong-Jones, E.

- Effect of herbage harvesting on seed yield in *Stylosanthes hamata* Cv. Verano.
- Estimating rangeland biomass production and carrying capacity in Ghana using vegetation index.
- Range monitoring involving the use of Remote Sensing and Geographical Information systems.

Extension Activities**Adjorlolo, L. K.**

- Resource Person Benson Agricultural and Food Institute Project at Okwenya in the Eastern Region.
- Resource Person, Leventis Foundation Farmers Training Programme.

Adogla-Bessa, T.

- Resource Person Benson Agricultural and Food Institute Project at Okwenya in the Eastern Region.

Canacoo, E. A.

- Lead role in Benson Institute / University of Ghana outreach programme at Okwenya village.
- Advisory services and on-farm treatments to livestock farmers in the Accra Plains
- Training extension agents and farmers in animal traction technology.

Mahama, E. A.

- Collaborator in implementing Benson Institute Agricultural Project at

Akwenya in the Eastern Region.

- Follow-up visits to ex-trainees of Leventis Foundation farmers Training Programme

Naazie, A.

- Benson Institute/University of Ghana outreach programme at Okwenya village
- Extension work with farmers in Northern and Upper East Regions

Timpong-Jones, E.

- Involved in a ILRI/MOFA Peri-Urban Forage Production Project for Livestock Farmers at Sege, Mepe and Aveyime in the Greater Accra and Volta Regions.
- Involved in the Benson Institute Poverty Alleviation Programme for Farmers at Okwenya in the Eastern Region.

Workshop/Conferences/Seminars

Adjorlolo, L. K..

- Animal Traction Refresher Course, University of Ghana Agricultural Research Station, Legon, September 15-20, 2003. Resource person. Presented paper "Nutrition of Draft Animals"

Adogla-Bessa, T.

- Workshop to develop proposals for the Regional Agroforestry Team in the humid lowlands of West Africa, 8-14 September 2003. World Agroforestry Centre/ICRAF, Yaounde, Cameroon. Resource person to develop proposal on "Accelerating adoption of high value trees in humid tropics."

Canacoo, E. A.

- Meeting of the Livestock Development Policy Group of the Ministry of Food and Agriculture, Livestock Planning and Information Unit (LPIU), July 4, 2003. Presented a discussion paper on "Draught Animal Power in Ghana's Agriculture: Current Status and Policy Proposals."
- Workshop for Farmers on Benson Institute Family Self Reliance Programme. University of Ghana Agricultural Research Station, Legon, September 11, 2003. Facilitator and presenter of paper on "Maintaining a Healthy Stock"
- Animal Traction Refresher Course, University of Ghana Agricultural Research Station, Legon, September 15-20, 2003. Resource person. Presented paper "Health of Draft Animals".

Mahama, E. A.

- Workshop for Farmers on Benson Institute Family Self Reliance Programme. University of Ghana Agricultural Research Station, Legon, September 11, 2003. Presented paper on "Basic Farm Records for Small Scale Farmers"
- Animal Traction Refresher Course, University of Ghana Agricultural Research Station, Legon, September 15-20, 2003. Resource person. Presented paper "Economic issues and Basic Record Keeping"

Naazie, A.

- Workshop for Farmers on Benson Institute Family Self Reliance Programme. University of Ghana Agricultural Research Station, Legon, September 11, 2003. Facilitator and presenter of paper on "Poultry production"

Timpong-Jones, E.

- Monitoring The Impact of Invasive Tree Species- A Sensitization workshop. Held at The Centre for Scientific and Industrial Research (CSIR)-Accra, 27th January, 2003.
- Benson Institute – Family Self Sufficiency Farmers Workshop. Held at the Agricultural Research Station-Legon, 11th September, 2003.
- Peri-Urban Forage Production Workshop. ILRI/MoFA. Held at Amrahia , 10th July, 2003.

Publication**Ameleke, G. Y., Sottie, E.T., Adjorlolo, L.K. and Honya, G.K.**

- (2002). Small ruminant production in the coastal zones of Ghana: How profitable is it? Paper Presented at the 26th Symposium of the Ghana Animal Science Association. Nyanpkala, Ghana.

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

- (2003). Preference of sheep for three forms of mucuna forage and effect of supplementation with mucuna forage on the performance of sheep. Tropical Animal Health and Production, 35 (In Press).

Gyasi-Adjei, E, Adogla-Bessa, T and Ofori, K.

- (2003). Effect of storage conditions on viability of forage seeds. Proc of 13th Biennial Conference of Ghana Soc of Anim Prod. Sasakawa Centre, Unive of Cape Coast, 6-9 August 2003

Adogla-Bessa, T, Gyasi-Adjei, E. and Ofori, K.

- (2003). Establishment and seed yield of some forage crops in Ghana. Proc of 13th Biennial Conference of Ghana Soc of Anim Prod. Sasakawa Centre, Unive of Cape Coast, 6-9 August 2003

Canacoo E.A., Ndamele, S.K. and Abdulai, Y.

- (2003). Single axle donkey tipping cart for farming and urban refuse collection. Draft Animal News 38: 9-13

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

- (2003). Poultry ownership, use and value to the people of the Upper East Region of Ghana. Proceedings of the 13th Biennial Conference of Ghana Society of Animal Production (GSAP), Sasakawa Centre, University of Cape Coast, 6-9 August, 2003.

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

- (2003) Investment potential in the Broiler Industry in Ghana. Proceedings

of the 13th Biennial Conference of Ghana Society of Animal Production.
Sasakawa Centre, University of Cape Coast, 6-9 August, 2003.

Naazie, A. et al

- (2002) Guinea fowl production in the Upper East Region of Ghana. Report on poultry studies submitted to LASCOSREP II, IFAD, UER December 2002

Timpong-Jones et al.

- (2003) Effect of Herbage Harvesting on Seed Yield in *Stylosanthes hamata* Cv. Verano. Journal of Agric. Sc. (in press).

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 examinations, 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.

Students Number

Level 100	530
Level 200	221
Level 300	8

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.

DEPARTMENT OF ENGLISH

Overview

During the 2002/2003 academic year, the Department of English managed to provide teaching, research and extension services despite the problems we faced as a result of inadequate staff strength, increased student intake, and lack of enabling resources and equipment.

Courses Taught

Level 100

ENGL.101	Introduction to Writing and Composition
ENGL.102	Writing and Composition Exercises
ENGL.103	Varieties of Prose and Drama
ENGL.104	Varieties of Poetry

Level 200

ENGL.201	:	Introduction to English Language
ENGL.202		Modern English Structure
ENGL.203	:	Introduction to Earlier Literature
ENGL.204	:	Introduction to Modern Literature

Level 300

ENGL.301	:	Present-Day English
ENGL.302	:	Semantic Structure of English
ENGL.303	:	Introduction to African Literature
ENGL.304	:	Shakespeare
ENGL.305	:	Practice in Criticism
ENGL.306		The Modern Novel

Level 400

ENGL.400		Long Essay
ENGL.401		Stylistics
ENGL.402		Varieties of English
ENGL.403		Advanced Practice in Criticism
ENGL.404		Themes in Modern Literature
ENGL.405		Modern Literary Criticism

Level 300/400 (Electives)

ENGL.307	English Syntax
ENGL.308	Phonology of English
ENGL.309	Discourse Analysis
ENGL.312	History of the English Language
ENGL.313	Pragmatics
ENGL.314	Early English Texts
ENGL.317	18th Century Literature

ENGL.318	:	Romantic Poetry
ENGL319	:	Modern Poetry
ENGL.325	:	Ghanaian Literature
ENGL.327	:	New Literatures in English
ENGL.328	:	Literature of the Black Diaspora
ENGL.333	:	Introduction to Creative Writing
ENGL.334	:	Creative Writing
ENGL.336	:	Contemporary English Usage

Level 600

ENGL.600	:	Research Methods
ENGL.601	:	English Syntax
ENGL.602	:	English Phonology
ENGL.603	:	Literary Theory
ENGL.604	:	Modern Drama
ENGL.605	:	Language and Literature
ENGL.606	:	English Semantics
ENGL.607	:	African Literature
ENGL.612	:	Oral Literature
ENGL.613	:	Special Topic
ENGL.615	:	Post-Colonial Literature
ENGL.626	:	Sociolinguistics

Admissions

Level 100	:	279 Students
Level 200	:	191 Students
Level 300	:	82 Students
Level 400	:	81 Students
Level 600 (Yr.1)	:	2 Students
Level 600 (Yr.2)	:	5 Students
Ph.D	:	6
Foreign	:	30

Staffing Position

Regular Staff

1 Professor
 1 Associate Professor
 2 Senior Lecturers
 9 Lecturers

Contract (Retired)

2 Associate Professors
 1 Senior Lecturer

Visiting

1 Associate Professor
 1 Senior Lecturer

Staff

- 1 Senior Staff
- 4 Junior Staffs
- 3 National Service

Research

Members of staff continued with their individual research work on different aspects of language and literature.

Keleve, M.

- Is still working on the Longman/Sedko book project for Junior Secondary Schools.

Chukura, Lynn

- Published a short story for children "Ice Cream" in a book Inside My Eyes edited by Promise Okwekwe (2002) in Lagos.

Denkabe, A.

- Presented a paper on the "Novel in Ghana – A Perspective" in Germany, Nov. 2002
- Has participated in three public affairs seminars in Accra in 2003.
- Was Visiting Fellow at the Institute for Ethnology, University of Mainz Germany, Oct. – Dec. 2002.
- Has been working on the "Novel and National Feeling – A Study of Contemporary Ghanaian Tradition"

Angsotinge, G.T.

- Has been researching on the poetry of Seamus Heaney an American poet of the 20th Century.
- Has also been working on the theme of Streetism in William Blake's works.

Sackey, E.

- Has been working on the Presentation of Kwame Nkrumah in Ghanaian Fiction
- Has been working with a team on an anthology of contemporary Ghanaian poetry.

Wiredu, F.F.

- Has completed work on English texts for Primary 1 – 6 pupils.
- Has a manuscript on "The English Nominal Group".

Quarcoo, E.

- Has completed work on a paper: Electioneering Rhetoric in Elections in Ghana.
- Working on the language of the Traditional Courts in the Gold Coast (1948-1950)
- Was a Visiting Scholar to the University of Missouri, St. Louis, USA from January to May 2003.

LANGUAGE CENTRE

Overview

In the 2002/2003 academic year, the Language Centre was able to sustain its teaching and research programmes despite some difficulties. The Academic Writing programme, which is compulsory for all entering students at 100 level and Level 200 students in the Faculty of Arts, continued to dominate its teaching activities especially with increasing student numbers. Research Fellows thus carry heavy teaching loads. There is therefore the need to explore the possibility of mounting department-based writing programmes in the long term to enable Research Fellows devote more time to conducting research.

During the year under review, staff strength was enhanced with the appointment of two Tutors – Mrs. Stella Boateng and Mrs. Nana Ama Agyemang. Unfortunately, a hardworking member of our staff, Ms. Gloria Akumtu Vondee, a Senior Research Assistant passed away.

We continue to receive numerous applications for our one-year Certificate in English Proficiency programme, reflecting a need for an expansion of the programme in terms of facilities.

As in previous years, the Language Centre hosted a special two-week programme for a group of undergraduate students from the James Madison University (U.S.A).

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 27 students. 1,203 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 3,619 students.

Staff

The Language Centre staff on the ground throughout the year numbered 10 full-time senior members, 7 senior staff including 5 teaching staff, and 8 junior staff. Mr. Cobbinah Swanzy, a Tutor returned to post after a one-year sabbatical leave, while two Research Fellows Mr. Evershed Amuzu and Mrs. Sika Ahadzie were both

away in Australia and United Kingdom respectively pursuing their PhD programmes. Two other Research Fellows, Mrs. Kafui Ofori and Mr. G.E.K. Dorvlo registered with the Linguistics Department, University of Ghana to pursue their PhD programmes.

Extension Work

Andoh-Kumi, K.

- Syllabus Advisor for Ghanaian Languages for Primary Schools, Unimax – Macmillan, Books 1-3 and Teachers' Guides.
- Fante Language Advisor for primary Schools, Unimax – Macmillan Books 4-6.
- Wrote the Evaluation Units for the Ghanaian Languages for Primary Schools Books 4-6 (i.e. Units 10, 20 and 30 of each Book).
- 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.
- External Examiner, Communication Skills, Accra Polytechnic
- Guest Lecturer, Ghana Armed Forces College (Junior division) on Effective Communication Skills,
- Assistant Editor, Legon Journal of the Humanities
- Leader, Editorial Team, President's Special Initiative on Distance Learning
- Editorial Consultant, EPP Books Services
- Consulting Editor, The Heritage.

Arhin, V.E.M.

- Member, Board of Asempa Publishers – Christian Council of Ghana
- Course writer, University of Ghana Distance Education programme
- Guest Lecturer, External Degree Centre on Effective Communication Skills, Report and Proposal Writing
- Facilitator, Workshop on Using Literature to Spread AIDS Message – Mmofra Foundation
- Facilitator, Guidance and Counselling Workshop for Central Aid Scholarship Winners and ICGC Youth.

Odoi, D.A.

- Resource Person "Mmofra" Against AIDS Project. January to September 2003.
- Columnist, The Heritage Newspaper. Column – "Journey up North" 2002 – to present.

Ofori, Kafui

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

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 Texts of University students.
- Written Communication in non-academic contexts.

Arhin, V.E.M.

- Learner-Centred Teaching Strategies – A Guide to Teaching English Language in Ghanaian Schools.
- Basic Education and Senior Secondary School Textbooks in English Language.
- English for Business Communication.

Ofori Kafui

- Semantics of Agriculture in Ewe.

Dorvlo. G. E. K.

- Attended a course at Leiden University, Department of African Languages and Cultures, from June – October 2003 on Ethnographic Field Techniques and the description of the synchronic structure of unwritten languages.
- As part of his PhD project, he has started work on the collection of data for the grammatic description of the Logba Language – one of the least studied Ghana Togo Mountain (GTM) Languages.
- Documentation and the Description of Synchronic Structure of Endangered languages.

Cobbinah, Swanzy

- Writing ESP Syllabuses and Developing Materials
- Investigating Process In The Teaching Of Composition

Conferences/Seminars/Workshops

All academic staff participated in the May 2003 Faculty of Arts Colloquium. Two research fellows, Mr. Moussa Traore and Mr. D. A. Odoi, presented papers.

Odoi, D.A.

- Faculty of Arts Colloquium. Legon, May 2003.
Paper read "Lessons from Slavery for the Modern Ghanaian"
- Participant - Carnegie Project Workshop, Legon, September 2003.

Moussa, Traore

- Faculty of Arts Colloquium. Legon, May 2003. Paper presented: Identity and Migration in African Literature.

Dorvlo, G.E.K.

- October 16-18, 2002. International Conference on the Co-existence of Languages in West Africa at the University College of Education Winneba. Paper presented: Some issues of translation - The Bell (1991) model updated.
- November 25, 2002. National Workshop on Language Culture Education and National Development at the University College of Education Winneba.
- January 27 - 30, 2003, Seminar Week of the Ghana Institute of Linguistics, Literacy and Bible Translation - Tamale. Paper Presented: The Contribution of the North German Missionaries (NGM) to the Development of the Ewe Language.

Publications

Adika, G.S.K.

- (2003) Deviant Usage and Confusing Words. Accra: Centre for Language Improvement
- (2003) A Study Guide to Selected Poems of Lade Wosornu. Accra: Smartline
- (with M. Traore and P. Adika) A Study Guide to African Poetry. Accra: Smartline. (forthcoming)

Andoh-Kumi, K.

- (forthcoming) "The Medium of Education and Quality of Learning Evidence from IEQ II" in D.D. Kuupole (ed) Actes du Collouque sue da Co-existence der Langues en Aguque de l' quest.
- (forthcoming) Akan Nsem Nkorenkore Ho Adesua Bi - Jesmarkins, Accra
- "The Medium of Instruction at the Basic Education Level: What do we know? How do we know it?" In Language and Culture in Education and National Development. Proceedings of the national seminar held at UEW, November 25, 2002. FES - Ghana/GTZ Gmbtt. Ghana.. Accra. Pp 38-51
Traore, M.
- (with G.S.K. Adika and P. Adika) A Study Guide to African Poetry. Accra: Smartline. (forthcoming).

Ofori, K. A. G.

- (2002) Nominalisation in Ewe, *New Directions in Ghanaian Linguistics*, Accra: Black Mask.
- (2001)(with Kakane C.A.D., Hlomatsi, G.M.Y.) *Eúegbe SòsrŸ 1*, Accra: Unimax Macmillan Ltd.
- (2001)(with Kakane C.A.D., Hlomatsi, G.M.Y.) *Eúegbe SòsrŸ 2*, Accra: Unimax Macmillan.
- (2001), (with Kakane C.A.D., Hlomatsi, G.M.Y.) *Eúegbe SòsrŸ 3*, Accra: Unimax Macmillan.
- (2003), (with Kakane C.A.D., Hlomatsi, G.M.Y.) *Eúegbe SòsrŸ 4*, Accra: Unimax Macmillan.
- (2002), (with Kakane C.A.D., Hlomatsi, G.M.Y. et al) *A Course in Ghanaian Languages and Culture, Teacher's Guide, Primary 1*, Accra: Unimax Macmillan.
- (2002) (with Kakane C.A.D., Hlomatsi, G.M.Y. et al) *A Course in Ghanaian Languages and Culture, Teacher's Guide, Primary 2*, Accra: Unimax Macmillan.
- (2002) (with Kakane C.A.D., Hlomatsi, G.M.Y. et al) *A Course in Ghanaian Languages and Culture, Teacher's Guide, Primary 3*, Accra: Unimax Macmillan.
- *Eúegbe Fefeáló_ááwo Ñe Góme_okpe: Fíawoo Ñe Gómedzedówo* (Forthcoming).
- (with Kakane C.A.D., Hlomatsi, G.M.Y.) *Eúegbe SòsrŸ 5* (Forthcoming).
- (with Kakane C.A.D., Hlomatsi, G.M.Y.) *Eúegbe SòsrŸ 6* (Forthcoming). Accra: Unimax.
- (with Kakane, C.A.D., Hlomatsi G.M.Y et al, *A course in Ghanaian Languages and Culture, Teachers Guide, Primary 4, 5 and 6* (Forthcoming).

DEPARTMENT OF LINGUISTICS

Overview

During the 2002/2003 session, the Department of Linguistics continued with its teaching and research programmes. We also experienced a number of landmark events. The Department Library was officially re-named the Florence Dolphyne Library in recognition of the great contribution of Prof. Florence Dolphyne to the sustenance of the Department. The Department also completed a review of all its programmes. In the past year, a book in honour of three senior colleagues (Prof. Mary Esther Kropp Dakubu, Prof. Florence Dolphyne, and Prof. Allan S. Duthie), titled *New Directions in Ghanaian Linguistics*, edited by Felix Ameka and E. Kweku Osam, was published.

Through the NUFU project, we were able to acquire more equipment for the project and also for teaching and other research. These included: an LCD projector, a digital camera, two HP Compact laptop computers, and a network printer. A number of essential reference books were also bought for the Florence Dolphyne Library.

Courses

The department offered the following programmes during the 2002/2003 session: BA, MA/M.Phil, and PhD (Linguistics); M.Phil (Teaching of English as a Second Language).

Student Numbers

Level 100	600
Level 200	512
Level 300	218
Level 400	90
Level 500	1
Level 600	11
PhD	4
Total	<u>1,436</u>

Staffing Position

The breakdown of the staff at post was:

- 1 Professor
- 2 Associate Professors
- 3 Senior Lecturers
- 4 Lecturers
- 1 Tutor
- 2 Senior Staff
- 4 Junior Staff

Of this number, 1 Associate Professor was on Sabbatical Leave.

Research / Projects

The major project in the department continues to be the Computational Lexicography, Typology, and Literacy and Language Development funded by the Nowergian Centre for International University Cooperation (NUFU). All the senior members of the department have been very active in various aspects of this project.

Publications

Yankah, K.

- "Free Speech and Therapeutic Discourse: An Ethnography". In New Directorate in Linguistics. Eds. Felix Ameka & E.Kweku Osam. Department of Linguistics. Legon, 2002. Pp 425-447.
- "Language, Media and Ghana's Democracy". Legon Journal of the Humanities XII (2002): 41-62.

Agyekum, K.

- Resource Development in the Indigenous Languages in Ghana. ' In Language and Culture in Education and National Development. Proceedings of the National Seminar pp.18-27. Accra GTZ
- Asante Kasasua MfitiaseE Nwoma 1,2, 3,4 Unimax Macmillan Education with K. Saah, Kouadio, N. J. et al. (2003). A Unified Orthography for the Akan Languages of Ghana and Ivory Coast. General Unified Spelling Rules. Monograph Series- No. 20. Cape Town: The Centre for Advanced Studies of African Society (CASAS).
- Review of Barry Hallen's book. "The Good, the Bad and the Beautiful. Discourse about Values in Yoruba Culture." In Language and Society 32: 3 (2003). pp.428-431.

Akanlig-Pare, G.

- Edited Book (with Michael Kenstowicz): Studies in Buli Grammar. MITWPL/WPELFL Vol. 4, 2003.
- "Tone in Buli." In Akanlig-Pare, G. and Michael Kenstowicz MIT WPL/WPELFL Vol. 4, 2003:1-34..

Apenteng-Sackey, E.

- With S.A. Asiana and L.D. Apraku. Akuapem Language Study Book 4 for Primary Schools (Akuapem Kasasua Mfiase Nwoma 4) Accra: Macmillan Education Ltd. 2003.

Dzameshie, A.K.

- Developing Terminologies in Ghanaian Languages." In Language and Culture in Education and National Development: Proceedings of the National Seminar (2002), pp. 9-17.

Osam, K.

- The politics of discontent: A discourse analysis of texts of the Reform Movement in Ghana. In: Mirjana N. Dedai_ and Daniel N. Nelson At war with words, pp. 149-177. Berlin: Mouton de Gruyter.

Saah, K.K.

- (With N'Guessan Jeremie Kouadio, Kofi Agyekum, J. Gyekye-Aboagye, Kalilou Tera & Djaban Tano Kouame. 2003. A Unified Orthography for the Akan Languages of Ghana and Ivory Coast: General Unified Spelling Rules. (Monograph Series 20). Cape Town: CASAS.

Conference and Seminar Papers**Agbedor, P.**

- The socio-pragmatic significance of Ewe ahanoNkOwo. A paper presented at department seminar, May 2003.
- Reflexivization in Buli'. A paper presented at the Legon-Trondheim Linguistics Project Annual Colloquium, University of Ghana, Legon, December 4-6, 2002.

- 'National language and development. A paper presented at the Faculty of Arts Colloquium, 19th-23 March, 2003.

Agyekum, K.

- The Pragmatics of Requests in Akan Communication. Paper presented at the Linguistics Dept. Seminar 16th October University of Ghana-Legon
- Invective Language in Contemporary Ghanaian Politics. Paper presented at the Linguistics Departmental Seminar 2nd April 2003.

Amfo, Nana Aba Appiah

- Interpretive use marking in Akan. July, 18 2003 8th International Pragmatics Conference, Toronto, Canada
- Markers of Recurrence in two African and two European Languages. (With Thorstein Fretheim and Stella Afua Boateng). July, 22 2003. 8th International Pragmatics Conference, Toronto, Canada.

Dzameshie, A.K.

- Disapproval Behaviour in British English and Ghanaian English. A paper presented at a Seminar held in the Department of Linguistics, University of Ghana, Legon on 6th November, 2002.
- Developing Terminologies in Ghanaian Languages. A paper presented at a National Workshop on Language, Culture, Education and National Development held at the University of Education, Winneba on 25th November, 2002.
- Conceptual Structure and Article Usage in Ewe. A paper presented at the Legon-Trondheim Linguistics Project Annual Colloquium held at the University of Ghana, Legon from 4th to 6th December, 2002.
- The Dynamics of Pidgin English Usage among University Students. A paper presented at a Seminar held in the Department of Linguistics, University of Ghana, Legon on 19th March, 2003.

Osam, K.

- Reflexive marker and related functions in Akan. A Seminar paper presented at the Linguistics Department, University of Ghana, Nov. 2002.
- Derived adjectives in Akan and Ewe: A comparative analysis. A paper presented at the Legon-Trondheim Linguistics Project Annual Colloquium, University of Ghana, Legon, December 4-6, 2002.
- Localism and grammar: Merging roles in Akan grammar. A Seminar paper presented at the Linguistics Department, University of Ghana. April 2003.
- Introduction to the structure of Akan: Its verbal and multi-verbal system. Lectures presented at The Trondheim Summer School in Linguistics (TROSS) at the Norwegian University of Science and Technology, Trondheim, Norway. June 23-25, 2003.

Saah, K.K.

- "The Nature and Function of Akan Verbal Affixes", presented at the Legon-Trondheim Linguistics Project Annual Colloquium, 4-6 December 2002.

- “Locality and Reflexive Interpretation in Akan”, presented at Department of Linguistics Seminar, March 12, 2003

Saanchi, J.A.N.

- “Towards Redefining Serial Verb Constructions in Dagaare.” Paper presented at the 3rd Annual Colloquium of the Legon-Trondheim Linguistics Project, 4 – 6 December, 2002.

Benefaction

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

- Prof. Florence Dolphyne
- Prof. Lise Menn, University of Colorado, Boulder.
- Ms. Jasima Bonato, University of Zurich
- Prof. Gyasi Obeng, Indiana University.
- Prof. S. Seddoh, University of North Dakota
- Dr. Felix Ameka, Leiden University.

DEPARTMENT OF MODERN LANGUAGES

Overview

The Department came up against a series of challenges in the 2002/2003 academic year. Apart from the French Section which had a full complement of Teaching staff, the other Sections – Arabic, Russian, Spanish and Swahili – continued to work with deficits in establishment quotas. This notwithstanding, teaching and research work was admirably sustained and promoted.

The Department, in a veritably collective spirit, initiated work to craft out a new strategic plan to upgrade our syllabuses and academic curriculum in line with the University’s Corporate Strategic Plan. This review will, hopefully, be completed in the 2003/2004 academic year to cover all the Levels. Notable among the market driven measures adopted was the establishment of a Translation Bureau (Transbureau), facilitated by Mr. Bertin K. Bokomi with the collaboration of the Sectional Coordinators. The Department further extended the scope of its extension services (in French, Spanish and German) to several faculties and Schools in the University, including the School of Administration, LECIA, some Science Faculties among others.

A Masters degree programme in Translation was finally introduced into our Curriculum – with effect from the 2003/2004 academic years. A lot of preparatory

workshops and seminars went into this. The French Embassy greatly helped with the sponsored collaboration of Professors from the University of Marc Bloch, Strasbourg, France.

The Department still pulled every nerve to be networked and connected to the University server. Finance was the main problem. There was every indication, though, that some headway might be made in the 2003/2004 academic year. Meanwhile, very generous donations of software were received from the French Embassy.

The computerised Departmental Library progressively underwent modernisation to cater for the needs of larger numbers of undergraduate and postgraduate students

After some eight (8) years of preparatory work, the Academic Board finally upgraded the Diploma awarded by the School of Translators of the Ghana Institute of Languages into a degree, and the School was affiliated to the Department.

Year-Abroad Programme

The programme continued to form an integral part of the course work and an important source of language proficiency. Some difficulties began to show by way of financing. The Government convened a series of consultations with stake-holders from the country's Universities, and discussed the increasing pressures the programme exerted on its budgetary resources. Further discussions were projected. The immersion courses were offered in the following countries:

Arabic	Egypt (Cairo)
French	Benin France (with self-sponsorship)
Russian	Russia (Moscow)
Swahili	Tanzania
Spanish	No grants were provided. Inconclusive but positive

Consultations were held with Equatorial Guinea's Government representatives.

Student Intakes

	LEVEL 100	LEVEL 200	LEVEL 300	LEVEL 400	MPHIL	PHD
ARABIC		175	39	11	6	
FRENCH		217	179	97	50	71
RUSSIAN		220	29	5	5	
SPANISH		246	92	23	22	
SWAHILI		298	56	9	6	

New Appointments

FRENCH:	BOKOMI, Bertin K. CHOUIN, Gerard DELENA, Sophie
ARABIC:	YOUSIF, Mohammed

Appointments on Contract

PROF. R.F. AMONOO (French)
PROF. K. BRITWUM (French)
PROF. J.N.D. DODOO (French)
DR. W.O. ANIMFEN (French)
DR. F.S.K. OWUSU (Russian)

Head of Department and Sectional Coordinators

HEAD OF DEPARTMENT	DR. V.A.O. LAMPTEY
COORDINATORS:	ARABIC M.A. GIBRILL
	FRENCH DR. W.K. AZANKU
	RUSSIAN DR. A. NASSER
	SPANISH L.K. ADRA
	SWAHILI Hamida HARRISON (Mrs.)

Research Work/Staff and Curriculum Development Seminars

The French Section, uncharacteristically, did not present papers at the Annual Inter-University Conference on the Coexistence of Languages.

Individual lecturers carried on meaningful amount of research in various areas of specialisation but the Staff and Curriculum Development Seminars did not come off. This was, in all probability, due to time and effort put in by colleagues to help put together the New Strategic Plan for the Department.

Workshop and Seminars

Further workshops were organised, in collaboration with Professors from the University of Marc Bloch, Strasbourg, France, to finalise the proposals for an M.A. Syllabus for a course in Translation. This was subsequently approved by the Academic Board for implementation from the 2003/2004 academic year.

Heads of Department and Sectional coordinators in the Faculty of Arts attended a very successful seminar in Swedru to work out details of a strategic plan within the purview of the Corporate Strategic Plan of the University.

On-going Research

French

Amekudzi, E. K.

- "Sens litteral vs sens semantico-pragmatique".

Amonoo, R.F.

- "Rationality, French Language and Literature."
- "Music and Moral Philosophy: Ephraim Amu's Compositions Revisited."
- "Reflections on the African Diaspora and how to derive the maximum benefit for Africa and individuals."

Animfen, W.O.

- "French Philosophical Literature of the 20th Century with special reference to the novel."
- "André Gide as seen by German Critics."

Asaah, A.

- On Francophone African Literature
Literature and Tradition.
Feminist Literature.
The Sacred and the Profane.

Azanku, W.K.

- "French Curricula in Ghanaian Universities."
- "Mimesis in Poetry: Hugo and Diop – selected Poems."

Badasu, C.K.M.

- Study of Style in the Novel.

Bokomi, B.K.

- Evaluation of Functional French in Ghana.

Chouin, G.

- (Fieldwork): Survey and Excavation at Nsaduuer (KEEA District, C/R); Current Work on Sacred Groves and Memory in Ghana.

Dodoo, J.N-D.

- (Specific Areas in) 20th Century French Literature.
- (Preparation of) Anthology of Modern French Poetry.
- Readers for Senior Secondary Schools and Other Intermediate Learners.

Jatoc-Kaleo, A.B.

- (Doctoral Research on) "The Critique of the new Masters in the Novels of Alioum Fantouré, Sony Labou Tansi and Ahmadou Kourouma."

Arabic

Ahmad, M.H. E.

- (Research on) Specific Areas of Arabic Linguistics and Translation

Gibrill, M.A.

- (In Preparation)
 - : "Arabic for Beginners"
 - : "Arabic Communication Skills"
 - : "Arabic in Ghana"
 - : "Translation of the Poetic Works of Mohammed Al-Faituri."

Spanish

Adra, L.K.

- "20th Century Literature: Comparative Studies between Spanish and French Writers."

Lamptey, V.A.O.

- Style and Communication in Selected Novels of 20th Century Spanish Literature."
- "La Realidad Mito-poética de la Obra de Nicolás Guillén."
- "El Conceptismo Interior de la Obra de N. Guillén."
- "Ontological and cognitive Dynamism in Negrista Poetry: a Case in Point."

Woode, Adwowa E.

- "Latin-American and Caribbean Literature: Its expression and Socio-Political Relevance to the Modern World.."

Swahili

Acquaye, F.A.

- "The Effects of the Use of Symbolism by Kezilahabi in his books: Rosa Mistika and Dunia Uwanja Wa Fujo."

Publications

French

Amonoo, R.F.

- (Paper in French) "Rationality, French Language and Literature. University of Abomey-Calavi (Benin). Symposium, Sept. 2002.
- "Music and Moral Philosophy: Ephraim Amu's Compositions Revisited. Ghana Academy of Arts and Sciences. Amu Memorial Lectures. March, 2003.
- "Reflections on the African Diaspora, and How to Derive the Maximum Benefit for Africa and Individuals: April, 2003.

Asaah, A.

- "Voilà I: A New French Course for J.S.S" Accra: Sedco, 2002. By Asaah, Pomevor and Apau.
- "Rapport Mort-Viè dans la parenthèse de Sang de S.L. Tonsi" 2003. Renef I. 8: 193 – 205 (Nigeria).
- "Gender Concerns in C. Beyala's 'The Sun hath Looked Upon Me (2003). Matatu (In Press) Germany.
- "Savoirs Vains, Dégradation et insuccès des Serviteurs dans les Romans d'A. Kourouma." Journal of Dept. of Modern Languages, Legon. (In press).
- "Subversion and indeterminacy in Calix the Belaya's The Sun Hath Looked Upon Me" Legon Journal of the Humanities 13, 19 – 40 (2002).

Badasu, C.K.M.

- "Le chef d'oeuvre inconnu ou la thématization de la technique." To appear in Papers in Modern Languages.

Chouin, G.

- "Trouble with Siblings: Archaeological and Historical Interpretation of the West African post." In Falola, T and C. Jennings (Editions). Sources and Methods in African History: Spoken, Written. Unearthed" (2003).
- "Sacred Groves in History: Pathways to the Social Shaping of Forest Landscapes in Coastal Ghana." University of Sussex. Institute of Development Studies Bulletin. 33(1): 39 – 46 (2002).
- "Sacred Groves as Historical and Archaeological Workers in Southern Ghana." Ghana Studies. 5: 177 – 196. (2002).

Dodoo, J.N-D.

- Translation of: SCAULWA Newsletter from English into French. Bulletin de la SCAULWA. Vol.3, No. 2. July – Dec. 2002 (25pp).
Bulletin de la SCAULWA Vol.4, No. 1
Jan – June 2003 (20pp) (ISSN 0855-4374).

Arabic**Gibrill, M.A.**

- "The Relationship between Rashid Rida, Al-Afgani and Muhammed Abduh." (Accepted for Publication by) The Journal of Arabic and Islamic Studies. University of Ilorin.
- "Hymns in Love of Africa." Translation of Poems by a Libyan Poet. (To be published by) The Libyan Jamahiriya Publishing House.
- "Ghana Reveals Her Secrets". A Translation of Poems by Omar Salem – a Libyan Poet. Published by Unity Media Ventures, Accra – 2002.

Spanish**Adra, L.K.**

- "Albert Camus and Camilo José Cela – Two Writers of the 20th Century: A Comparative Study." In Journal of Modern Languages.

Seminars, Conferences and Workshops**Adra, L.K.**

- Agriculture and Emergencies Strategic Planning Meeting. August 12 – 14, 2002. Miklin Hotel, Accra (Translation & Interpretation).
- Global Agriculture Strategic Meeting. August 15 16 and 17, 2002. Miklin Hotel. Accra (Translation & Interpretation).
- Ghana/Spain Bilateral Talks. November 13 and 14, 2002. M-Plaza Hotel, Accra.
- International Workshop on the Utilization of Cocoa By-Products. July 14 – 16, 2003. La Palm Royal Beach Hotel, Accra. (Translation and Interpretation).

Asaah, A.H.

- "Adding Value to the Lecture in Ghanaian Tertiary Institutions." Institute of African Studies (IAS) Workshop. 12th May 2003.
- "Refugees, Internally Displaced Persons and their Right to Information and Communication – A West African Case Study." World Association for Christian Communication (WACC Workshop). Abokobi, 20 – 24 January 2003 (Translation and Interpretation).

- “Regards Croisés sur la Condition féminine dans quatre Romans europhones d’Afrique Occidentale.” Inter-University Conference on Co-Existence of Languages in West Africa. University of Education, 16 – 18 October 2002.

Jatoo-Kaleo, B.A.

- Faculty of Arts three-day Colloquium. “The theme of death as seen in some novels of Sony Labou Tansi and Ahmadou Kourouma.”

Benefaction

1. The Department received a donation of a Computer and accessories from the Russian Embassy. The Russian Ambassador and some embassy officials paid courtesy visit to University and donated books to Balme Library.
2. The French Embassy stepped up its traditional goodwill gestures towards the Department with a series of donations; Printers, toners, copy printer ink etc. The Embassy also provided funds to refurbish, modernise and network the Departmental Library and the Multi-Media Room. It continued to offer grants to lecturers for training in France.
3. The Spanish Embassy donated books to the Departmental Library and VCDs to the Multi-Media Room.
4. The Egyptian Ambassador made kind offers of lecturers and books for the Arabic Section of the Department. Details were to be worked out.
5. The French, Spanish and Egyptian Embassies continued to support works in the Department with the traditional offers of sponsored native lecturers.

DEPARTMENT OF PHILOSOPHY

Overview

During the 2002/2003 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.

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.

The Department established a Computer Room for the students.

Mr. C.B.K. Acharnpong was honoured by Philosophy Students’ Association (PHISA) for his dedicated service to the Department.

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	PHILOSOPHY OF KANT
PHIL 409	MEDIEVAL PHILOSOPHY
PHIL 412	INTRODUCTION TO THE PHILOSOPHY OF MATHEMATICS
PHIL 413	APPLIED ETHICS
PHIL 414	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

PHIL608	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 2002 / 2003 Session

Level 100	2081
Level 200	1565
Level 300	340
Level 400	90
Level 600	3

Total Number	4079

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
Rev. J. Apea Assamoah	Lecturer
Mr. Martin Odei Ajei	Lecturer

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

Non Academic Staff

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

Research Activities

The research areas in which the Faculty Staff are currently involved include:

Assamoah, J.A. Rev.

- Currently engaged in a research into the relationship between Virtue and Conscience in African Ethics
- Began research towards Ph.D Topic: Philosophical inquiry into Moral Education.

Agyeman, K.

- Epistemology, Law and Ethics.

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.

Lauer, H.

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

Gyekye, K.

- Research in the Philosophy of Culture, Value Theory and contemporary African Philosophical Thought.

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.
- Chairman, Board of Directors of Graphic Communication Group Ltd; member of the Trustees Board of the Unilever Ghana Foundation for Education and Development.

Agyeman, K.

- Workers College, External Degree Centre
- Ghana Armed Forces Staff College.
- Ghana Police College
- Ghana Institute of Management and Public Administration (GIMPA).

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. Rev.

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

Lauer, H.

- Workers' College, External Degree Centre

Publications

Agyeman, K.

- On Probation Forever?: A phenomenological exegesis of the "African Question" {Accra: Aikam Ltd. 2003}
- Jurisprudence and Psychiatry phenomenological exegesis of some Aspects of Criminal Law {Accra: Aikam Ltd. 2002}.

Articles

- "The metaphysical Basis of the Possibility and Meaningfulness of Discourse in Plato's Sophist" { Accra: Legon Journal of the Humanities, Vol.Xiii, 2002} pp.133-140, with Dr. Kofi Ackah
- "The impact of New Medical Technology upon Attitudes towards Euthanasia among Akans" {in Ghana: Changing Values Changing Technologies: Ghanaian Philosophical Studies 11, Edt. Dr. Helen Lauer; Washington, DC; The Council for research on values and Philosophy, 2002}
- "Holistic Approach to the Notion of Development" {Port Harcourt: Journal of Niger Delta Research, Vol.3, NO.1, 2001}pp.12-29
- "Kant and African Metaphysics" {Port Harcourt: Journal of Niger Delta Research, Vol.2, NO. 2, 2000}pp.146-153

- "Meaning, Types, Benefits and Problems in Truth and Reconciliation Commissions" A paper written for the International Conference on Truth and Reconciliation Commissions Organized and Published by the Ghana Centre for Democratic Development.
- "When the King Speaks, I don't Speak: A Philosophical critique of Tolerance{ in Dr. Dukor's Anthology on "Philosophy of Politics, Discourse on Values, Politics and Power in Africa") pp274 -289.
- "On marriage; the most important social value of all human values" { in Dr. Dukor's Anthology on A Philosophical critique of Tolerance{ in Dr. Dukor's Anthology on "Philosophy of Politics, Discourse on Values, Politics and Power in Africa") pp 112 -121.
- "Official Lawlessness: The Greatest Enemy to Democracy in Africa" { in Dr. Dukor's Anthology on A Philosophical critique of Tolerance{ in Dr. Dukor's Anthology on "Philosophy of Politics, Discourse on Values, Politics and Power in Africa") pp 368 -378.

Other Writings

- A 142-page "Business Ethics Module" for The Ghana Institute of Management and Public Administration {GIMPA, 2003} A critical Referee's Appraisal
- "Business Ethics: A Conceptual Elucidation": { Accra: Legon Business Journal Vol.1 Issue 3} pp.24-29.
- "Business Growth Beyond Home Market" { Accra: Legon Business Journal Vol.1 Issue 4} pp.32-34.
- A Proposed-Draft Amendment to the Ghana National Service Act 486 {Before Cabinet through Parliamentary Legal Committee to Parliament, 2002}.
- A Proposed-Draft Statute and Regulation for the Ghana National Service Scheme for Presidential Approval by Constitutional Instrument {Before Cabinet through Parliamentary Legal Committee to Parliament, 2002}.

Gyekye, K.

- "Understanding Globalization" Ghana Academy of Arts and Science Proceedings

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. O.

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

Conferences / Seminar / Workshop

Agyeman, K.

- "My Way of Fostering A Culture of Peace": A Paper delivered at the UNESCO Conference on Intercultural Education, Human Rights Education and Peace Education in the Context of Higher Learning and Teacher Education.

Helsinki, Finland, 12-15 June, 2003

- "Universal Values, Logic And Humanity": A Paper delivered at the UNESCO Conference on Inter-cultural Education in Jyvaskyla, Finland on 15-19, June, 2003
- "Inductive and Deductive Reasoning" A Lecture delivered at the Ghana Armed Forces Command and Staff College on the 14th May, 2003.
- "A Knight of Change" A Paper delivered at the PHISA Week Celebration at the University of Ghana on 15th April, 2003
- "Inductive and Deductive Reasoning" A lecture delivered at the Ghana Air Force on January, 2003
- "The Humanities and Development": A Paper Presented At the Symposium of the Methodist University, 30th April 2003.
- "The Quest for Moral Democracy" A paper delivered at the Conference on Philosophy and the Quest for Responsible Governance in Africa, Enugu, Nigeria 16th - 21st November, 2002
- "Policy Development and Implementation for National Youth Service Scheme Worldwide", A Panellist at the International Association of National youth Scheme, Buenos Aires, Argentina. 3rd - 6th September, 2002
- "Foundations of Strategic Thought and its Contemporary relevance" at the Ghana Armed Forces Command and Staff College on the 18th September, 2002.

Gyekye, K.

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

Assamoah, J.A. Rev.

- Participated in Faculty Training Workshop organized by Carnegie Corporation Project (18th and 19th September, 2003).

Ajei, M.O.

Names of Senior Members in the Department of Philosophy

Dr. Kwasi Agyeman	Senior Lecturer/ Head of Department
Prof. Kwame Gyekye	Professor (on contract)
Mr. K. Archampong	Senior Lecturer (on contract)
Dr. Joseph Osei	Sabbatical Leave
Dr. Helen Lauer	Senior Lecturer
Rev. J. Apea Assamoah	Lecturer
Mr. Martin Odei Ajei	Lecturer

DEPARTMENT FOR THE STUDY OF RELIGIONS

Overview

In the past academic year (2002/2003), Prof. Elom Dovlo continued to be on leave; Rev. Brandford Yeboah proceeded on study leave and Dr. Kahl Werner left the service of the University. Two new lecturers were appointed in the persons of Mrs. Rose Mary Amenga-Etego and Rev. Dr. George Ossom-Batsa. Rev. Dr. Cephas Omenyo was promoted to the grade of Senior Lecturer.

Mrs. Gertrude Kumaga returned to the Department after a three-year study leave. Miss Leticia Laryea, Administrative Assistant, proceeded on study leave. Miss Sheritha Adjei Lokko, Clerk, vacated her post and Miss Evelyn Danquah, a temporary appointee, was transferred to the Department as Senior Typist. Miss Danquah has since been confirmed as a Clerk. Mrs. Ruth Laryea was given temporary appointment as Library Assistant.

The Department offered courses in the Diploma, Undergraduate and Postgraduate programmes. Successful results of many MPhil candidates in the Department were published during the year. Meanwhile, the Department developed a strategic plan and undertook a major re-organization of its courses at all levels and for all programmes and these received approval for implementation.

Students of the Department contributed their quota to the life of the Department and the Religions Students' Association of Ghana (RESAG) continued to be active and served as the focal point for student involvement in the Department.

Members of the Department continued to be very active beyond the confines of the University.

Extension Work

The application of the Church of Pentecost Bible College, now Pentecost University College, for affiliation with the University was approved, bringing to six the number of Seminaries and Colleges whose activities the Department co-ordinates on behalf of the University. The approval of the affiliation to the University of such institutions as the Methodist University College, the Catholic University College and the Islamic University College may also make further demands on the Department. The Department was also actively involved in teaching at the Accra Workers' College (now Accra City Campus).

Staffing Position

The past academic year saw the appointment of two lecturers bringing our full-time staff complement to twelve (12). No part-time lecturers took any courses in the Department, but we still lack staff in certain areas of specialization. With the recent appointments, office-space problems became compounded. With the large increase

in our student population in all programmes and at all levels, headaches over our library size became even more severe.

Student Numbers

DIPLOMA I	44
DIPLOMA II	45
LEVEL 100	965
LEVEL 200	705
LEVEL 300	225
LEVEL 400	147
LEVEL 600 Pt. I	5
LEVEL 600 Pt. II	4
PH.D	5
TOTAL	2145

Research

Atiemo, A. O.

- Working on PhD Thesis; Topic: "Religion and Human Rights: Towards the Inculturation of Human Rights in Ghanaian Society."

Omenyo, C.

- Continued to research Ecclesiological Trends in Ghana.
- Basel Mission activities in Ghana.
- New Developments in the Charismatic/Pentecostal Movement.

Quarshie, B. Y.

- Theologizing on the basis of mother tongue Scriptures as a key to the contextualization of Christianity in Africa.

Conferences, Seminars and Workshops

Ammah, R.

- Organization of Islamic Conference: The Role of Muslim Women in Leadership for Development in Ghana. January, 2003.
- Institute of Women in Religion and Culture (Trinity Theological Seminary, Legon, March, 2003). Theme: Facing the Spiritual Challenges of Widowhood in Ghana.
- World Islamic Call Society, Ghana, Conference. ((Teachers Hall, Accra, 16th – 17th August, 2003). Theme: Muslim Society and Child Up-bringing. Paper presented: "Curriculum Development and its Role in Shaping the Personality of the Muslim Child."

Quarshie, B. Y.

- Challenge Enterprises National Pastors' Conference. (Accra Ridge Church, 2nd – 6th September, 2002). Theme: Sharing the Gospel with non-Christians. Presented the series of Biblical Reflections for the Conference.
- Akrofi-Christaller Memorial Centre (ACMC), Akropong, 8th Consultation on the Study Process on "Christian Witness in the Public Sphere." Accra Ridge

Church, 7th September, 2003). Presented the Biblical Reflection for the Event.

- Trinity Theological Seminary, Legon, Seminar. (Trinity Theological Seminary, Legon, 19th November 2002). Responded to a paper by Rev. Dr. J.D.K. Ekem entitled "Spiritual Gifts' or 'Spiritual Persons'?: I Corinthians 12: 1a Revisited."
- ACMC, Akropong, Ministerial Probationary Studies 1 & 2. (ACMC, 27th January – 1st February, 2003 & 9th – 14th June, 2003). Themes: Preparing to Serve the Gospel/Preparing to Serve the Gospel in Context. Presented the series of Biblical Reflections for each session.
- ACMC, Akropong, 13th Pastors' Mission Workshops I & II. (ACMC, 30th June – 4th July, 2003 & 14th – 18th July, 2003). Theme: Dynamics of Spiritual Impact in Ministry II. Presented the series of Biblical Reflections for each session.

Atiemo, A. O.

- West African Association of Theological Education (WATTI) Workshop. (Valley View University, Accra, 4th to 9th August, 2002). Theme: Spirituality and Theological Education. Paper presented: "Popular Ghanaian Christian Spirituality and Theological Education."
- African Association for the Study of Religions Symposium and Business Meeting. (Institute of African Studies, University of Ghana, Legon. 10th August, 2002).
- National Catholic Secretariat Seminar organised by the Association of Episcopal Conferences of West Africa (AECAWA). (Accra, 7th to 10th October, 2002). Theme: Religion, Violence and Peace in West Africa. Paper presented: "David's Generals and the Disciples of the Son of David: A West African Christian Perspective on Religion and Violence."
- International Workshop under the auspices of the chair in Religion, Human Rights and Social Change, Institute of Social Studies, The Hague, The Netherlands. (Marina Hotel, Dodowa, 4th to 8th November, 2002). Theme: Religion and Human Rights. Paper presented: "Fighting for the Rights of the Gods: Religious Human Rights and the Traditional State in Modern Ghana"
- The Chaplaincy, Institute of Social Studies, The Hague, Seminar. (The Hague, 10th March, 2003). Theme: The Charismatic Movement in Africa and Europe. Paper presented: "The Charismatic Movement in Contemporary Christianity: The Ghanaian Experience."

Sulemana, H. M.

- Religious Bodies and Chiefs Committee on the National Reconciliation Committee Seminar. (Old Parliament House, Accra, 27th January, 2003). Theme: Ghana Muslims and National Politics. Paper presented: Government/Muslims Relations under Military Rule in Ghana.
- World Islamic Call Society, Ghana, Conference. (Teachers Hall, Accra, 16th – 17th August, 2003). Theme: Muslim Society and Child Up-bringing. Paper presented: The Relevance of Arabic and Islamic Education in the Up-bringing of the Muslim Child.

Omenyo, C.

- International Reformed Pentecostal Dialogue. (San Juan, Puerto Rico, 5th – 11th June, 2003).
- International Workshop on Religion and Human Rights. (Marina Hotel, Dodowa, 7th – 10th November, 2002). Chaired one session.

Amoah, E.

- Institute of African Women in Religion and Culture Seminar. (Trinity Theological Seminary, Legon, April, 2003). Theme: The Spiritual Challenges of Widowhood in a Multi-faith Context.
- Institute of African Women in Religion and Culture Seminar. (Trinity Theological Seminary, Legon, April, 2003). Theme: Probing the Religious Roots of Witchcraft.
- Harvard Divinity School Workshop. (Harvard Divinity School, U.S.A., 2003). Theme: International and Inter-religious Relations: Religion and Social Change II.
- Pan-African Research Group Work (Jamaica, July, 2003). Theme: Religion and Poverty.
- Gtz Gender and Legal Pluralism Workshops. (Novotel, Accra, May & June, 2003). Theme: Distribution of Marital Property.

Agbanu, H. L. K.

- Ministry of Education Curriculum Review Exercise for S.S.S. (June, 2003). Served as an expert.
- Global Evangelical Church (Christian Leadership Institute) Workshop. Theme: "The Pastor as a leader in Society." Paper presented: Some Ethical Dilemmas and Christian Leadership.

Amenga-Etego, R. M.

- Institute of African Women in Religion and Culture. (Trinity Theological Seminary, Legon, April, 2003). Theme: The Spiritual Challenges of Widowhood in a Multi-faith Context. Paper presented: Widowhood Rituals among the People of Naga in the Upper East Region.
- Institute of African Women in Religion and Culture. (Trinity Theological Seminary, Legon, April, 2003). Theme: Probing the Religious Roots of Witchcraft. Paper presented: Probing the Religious Roots of Witchcraft among the Guruni and Nankani Communities of the Upper East Region.
- Gtz Gender and Legal Pluralism Workshops. (Novotel, Accra, May & June 2003). Theme: Distribution of Marital Property.
- WISE (an NGO based in Accra) Workshop. (Accra, May, 2003). Theme: Domestic Violence Bill.
- ABANTU for Development Workshop. (GNAT Hall, Accra, June, 2003). Theme: Ghana and the 2004 Elections: Towards the Development and Promotion of a Women's Manifesto.

Publications

Atiemo, A. O.

- "Christian Denominations and Ethnic Identity: An Assessment of the Impact of the Missionary Movement on Aspects of Ghanaian Social Life" in Eddy A. J.G. Van der Borgh, Dirk van Keulen and Martin E. Brinkman (eds.) Faith and Ethnicity, Vol.1 (Zoetermeer, Meinema, 2002), pp. 217 to 229.
- "Zetaheal Mission in Ghana: Christians and Muslims Worshipping Together?" Exchange 32, No. 1, 2003, pp. 15 to 36.

Omenyo, C.

- Pentecost Outside Pentecostalism: A Study of the Development of Charismatic Renewal in the Mainline Churches in Ghana (Zoetermeer [The Netherlands]: Uitgeverij Boekencentrum 2002), ISBN 90.239.13445.0, 345 pp.
- "Charismatization of the Mainline Churches in Ghana" in M. Vahakangas & a. Kyomo, Charismatic Renewal in Africa: A Challenge for African Christianity (Nairobi: Acton Publications, 2003), pp. 5-26.
- "Mission as intercultural Theology: the African / Ghanaian Paradigm" in M. Frederiks, et. al. (eds.), Towards an Intercultural Theology: Essays in Honour of Jan. A.B. Jongeneel, (Zoetermeer [The Netherlands]: Meinema, 2003), pp. 167-181.
- The following entries in Hans J. Hillerband (ed.), Encyclopedia of Protestantism (forthcoming):
- "Archbishop John Amisshah";
- "Basel mission";
- "Christian G. Baeta";
- "Christian C. Reindorf";
- "S.R.B. Ato-Ahuma";
- "W.E.B. Dubois".

Amoah, E.

- Co-editor, When Silence is no Longer an Option, SWL Press, Ghana, 2002.
- Co-editor, Heart, Mind and Tongue: (A Heritage of Woven Words), SWL Press, Ghana, 2002.
- Co-editor, Traditional Cultural Practices and HIV/AIDS, (forthcoming) SWL Press, Ghana, 2003.

Benefactors

- Iranian Cultural Consulate: Computer and its accessories.
- RESAG: Computer and its accessories and office furniture.
- The Vice Chancellor: Book.
- Rev. Alfred K. Akumbie: Book.
- The Ahmadiyya Muslim Students' Union of Ghana: Books.
- Rev. Dr. Opoku Onyina: Copy of thesis.

FACULTY OF LAW

Overview

Work in the Faculty went on quite smoothly during the year under review. Work on the new Faculty building is on course. The Faculty, in collaboration with the Legon Centre for International Affairs (LECIA) and the Friedrich Ebert Stiftung (FES), in commemoration of ten years of Constitutional rule in Ghana held a series of fora and a meeting of Experts under the theme "Constitutional democracy in Ghana"

The above enterprise between the Faculty of Law, LECIA and Friedrich Ebert Stiftung produced a report and two draft bills on managing the transition from one government to another. The report will be presented to the Government of Ghana soon.

Professor E.H. Ofori Amankwah resigned his position in the Faculty to take up his new position as the Dean of Law at the Kwame Nkrumah University of Science and Technology.

Prof. Nii Ashie Kotey was appointed as the acting Dean of the Faculty with effect from 1 June 2003.

Mr. Dominic Ayine was granted one year leave with pay to undertake his JSM. Programme at Stanford University during the year under review.

Five students from the Faculty of Law, University of Pretoria, South Africa spent five months in the Faculty to conduct research and write their dissertations for their LL.M degrees in Human Rights and Democratisation in Africa.

Miss Jane Essandoh-Bondzie received the Benstil Enchil Prize for the best graduating student in Law.

Honours

The Dean, Professor Akua Kuenyehia was elected as a Judge and Vice President of the International Criminal Court (ICC) in The Hague during the year under review.

The Dean, Professor Akua Kuenyehia was given an award for meritorious service by the University during the year under review.

Professor Akua Kuenyehia retired from the Service of the University on 1st June 2003 to take up her new position in The Hague.

Professor H.J.A.N. Mensa-Bonsu was appointed a Commissioner to the National Reconciliation Commission. She was granted a two year sabbatical leave to enable her serve on the Commission.

Professor C.E.K. Kumado was adjudged the best Lecturer (Humanities) of the University during the year.

Legal Opinion and Services to Government

At the request of the government of Ghana, two members of the Faculty provided a written memo on the constitutional situation in Liberia. The memo placed emphasis on the tenure of the President and legal arrangements for managing the transition to fresh election.

Two other members of the Faculty, also provided written opinions and advice to the government of Ghana in relation to the Ghana Government/VALCO negotiations.

Human Rights Study Centre

The Human Rights Study Centre participated and presented papers at various fora on Human Rights issues during the year under review.

Messers Raymond Atuguba and Kwame Gyan conducted legal literacy workshops on Land Law in the Western and Northern Regions of Ghana in May 2003

Courses Offered

The Faculty offered courses at the LLB, LLM levels in areas such as Environmental Law, International Trade and Investment, Immovable Property Law.

Students

Level 300	86
Level 400	85
LLM	7
Total	178

Staffing Position

Associate Professor	5
Senior Lecturers	5
Lecturers	4
Assistant Lecturers	2
Assistant Registrar	1
Assistant Librarian	1
Senior Staff	6
Junior Staff	12

Link Programmes

The Faculty maintained her links with the University of Leiden, Queens University, Belfast, Northwestern University and University of Nottingham during the year under review. Lecturers from the Faculty had the opportunity to teach and to research in the above universities whilst the Faculty also benefited from the visits of lecturers from the link programme.

Prof. Akua Kuenyehia visited Northwestern University School of Law from 11 -28 October 2002.

Prof. Nii Ashie Kotey visited Nottingham from 31 March to 14 April 2003.

Mr. K.K.K. Ampofo visited Northwestern University School of Law from 7 -29 June 2002.

Mr. Kwame Gyan visited Northwestern University School of Law, from 30 July to 31 August 2003.

Mr. E.M. Darkey visited Northwestern University School of Law from 27 June to 18 August 2003.

Mr. F.S. Tsikata visited Nottingham University from 5-24 March 2002.

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

Mr. E.Y. Benneh visited Nottingham University from 10-27 November 2002.

Mr. Kwame Gyan visited Nottingham University from 20 June to 31 July 2003

Dr. Paolo Galizzi from Nottingham University School of Law visited the Faculty of Law in November 2002.

Prof. Christopher Simoni from Northwestern University School of Law visited the Faculty in October 2002.

Dr. Paolo Galizzi visited the Faculty from 23 March to 7 April 2003.

Dr. Rory O'Connell from Northwestern University visited the Faculty of Law from 4 -21 May 2003.

Prof. Cynthia Bowman from Northwestern University visited the Faculty on 10 July 2002.

Publications

- Members of the Faculty continued to publish. Below is a list of publications by some Senior members.

Kotey, N.A.

- Compulsory Acquisition of Land in Ghana: Does the 1992 Constitution Open New Vistas? In Toulmin, C et. Al. (eds.) The Dynamics of Resources Tenure in West Africa. Oxford, James Currey/Heinemann. pp. 203-214.

Quashigah, E.K.

- Truth and Reconciliation Commission in West Africa in Human Rights for Human Rights Commissions and Human Rights Non-Governmental Organisations (Report) Accra; Commonwealth Human Rights Initiative, Accra, 2003), p.97-130
- Human Rights in the Communal Setting in West Africa in Contemporary Human Rights Issues in Commonwealth West Africa (Accra: CHRI, 2003) p.48-72.

Sarpong, G.A.

- Sarpong G.A. and Otu Mankata Nyampong, "Wildlife Legislation and the Bush Meat Crisis in Ghana". Paper presented at National Bush Meat Crisis Conference, Accra (28-29 August 2002). Accepted for publication in the Journal of International Wildlife Law and Policy, pp. 16 (December, 2003).
- Sarpong G.A., "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. 109-20.

Ampofo, K.K.K.

- Ampofo, K.K.K., Access to Medicine Symposium on WTO Doha Declaration on The TRIPs Agreement and Public Health, A Post-ATRIP Annual Congress Symposium, Tokyo, Japan, August 6, 2003. Gave presentation titled "Is Affording Access to Medicines for the Poor Worth the Fuss? (forthcoming)
- Ampofo, K.K.K., Traditional Knowledge and Entitlement to Proprietary Rights: The Approach of the Ghanaian Courts in the Evidence of Ownership. Presentation of paper given, Monday August 2003 at Annual Congress of International Association Meeting of Teachers and Researchers in Intellectual Property, Tokyo, Japan.
- Ampofo, K.K.K., Evolving Benefit Sharing Agreements between African Herbal Drug Research Institutions and Traditional Medicine Practitioners. Presentation of completed document/paper given, August 2003 at Annual Congress of International Association Meeting of Teachers and Researchers in Intellectual Property, Tokyo, Japan. Document to be published by ATRIP in due course.

Atuguba, R.A.

- Raymond A. Atuguba, "Money Grabbers and the Law", Legon Business Journal, Vol. 1, Issue 4, p. 27. (June-October 2003).
- Raymond A. Atuguba, "Women's Survival in Ghana: What has Law got to do with it?" (2000-2004) XX UGLJ (forthcoming).

Reports

Kotey, N.A.

- With Owusu Yeboah, Peri-Urbanism, Land Relations and Women in Ghana. GTZ, Ghana, May 2003.

- With Mann and Bediatio. Developing the Legal Framework for Collaborative Forest Management in the republic of Ghana: Development of Concrete Proposals for the Amendment of the Legal Framework for CFM in the Republic of Ghana, volumes 1 and 2. FORUM, Oberaula, Germany, November, 2002.

Sarpong G.A.

- "Strengthening the Food Control System in Guyana". FAO/Government of Guyana Commissioned Study; FAO DOC. TCP/GUY/2801, April 2003, pp. 143.

Dowuona-Hammond, Christine

- In association with Pentax Management Consultancy Ltd, Report on "Establishment of Business Law Division of Ministry of Justice/Attorney General's Department" presented to Royal Danish Embassy, August 2002.
- Report on: "State Land Management Regime: Impact on Land Rights of Women and the Poor in Ghana", presented to GTZ Legal Pluralism and Gender Project, Land Law Focal Area, March 2003.

Atuguba, R.A.

- Raymond A Atuguba et al, Plural Legal Systems and Child Maintenance in Ghana. Research Report Prepared for the GTZ Legal Pluralism and Gender Pilot Project (Family Law Focal Area), (2003).
- Raymond A. Atuguba et el. Projecting, Promoting and Protecting the Rights of Prisoners. Research Report Prepared for the Legal Resources Centre-Ghana, (2003).
- Ellen Bortei-Doku Aryeetey, Raymond A. Atuguba and Benjamin Kunbour, The Right to Development Report: Ghana Country Study. Research Report Prepared for the United Nations Independent Expert on the right to Development and the FXB Centre for Health and Human Rights, Harvard School of Public Health, Harvard University, (2003).
- Raymond A. Atuguba et el, Moslem Marriages in Ghana. Research Report prepared for the Legal Resources Centre-Ghana, (2003).

Conference Papers

Atuguba, R.A.

- "The Registration of Islamic Marriages in Ghana's Plural Legal System- Challenges and Strategies for Improvement". Paper Presented at a Workshop organised by the Family Law Focal Area of the German Technical Cooperation (FLFA,GTZ) under the theme "The Registration of Islamic Marriages in Ghana's Plural Legal System-Challenges and Strategies for Improvement" and held at the District Assembly Hall, Hohoe, Volta Region on May 20, 2003.
- "Promoting the Registration of Customary Marriages-Challenges and Strategies". Paper Presented at a Workshop organised by FLFA,GTZ under the theme "The Role of District Assemblies in the Enforcement of Family Laws- The Case Of The Hohoe District Assembly" and held at the District

Assembly Hall, Hohoe, Volta Region on May 21-22, 2003.

- "Public Hearing On The Juvenile Justice Bill". Paper prepared and presented together with Abdul Baasit Abdul Aziz at a Public Hearing Organised by the Center For Democratic Development(CDD) in conjunction with The Parliamentary Committee on Constitutional, Legal and Parliamentary Affairs on The Juvenile Justice Bill at the Prempeh Assembly Hall, Kumasi on May 26, 2002.
- Presentation on the National Health Insurance Bill 2003", Paper Presented at the National Stocktaking Workshop for Mutual Health Organisations in Ghana, at Erata Hotel, East Legon Accra, July 2-4, 2003.
- "Improving Community-Police Relations in Ghana". Paper Delivered at a Workshop on Enhancing Police-Community Relations organised by the Center for Democratic Development (CDD), at the Volta Hotel, Akosombo, on August 21-23, 2003."
- "State, Law and Dysfunctional Institutions: Practical Examples of their Intersections". Lecture Delivered at Boston University's School of Law on October 20, 2003.
- "Panel Presentation: Roundtable on Addressing Youth Unemployment in Africa". Using a Legislative Program". Presented at the 46th Annual Meeting of the African Studies Association held under the Theme "Youthful Africa In The 21 Century" at the Sheraton Boston Hotel, Boston, MA, October 30- November 2, 2003.
- "Toward Institutional Reinvention: State and Law and the Remaking of African Institutions". Paper Presented at the Inaugural Conference of Northeastern University School of Law's Progressive Lawyering Project under the theme: "Rethinking Ideology and Strategy: Progressive Lawyering, Globalization and Markets", held at Northeastern University, November 7-8, 2003.
- 'Police Oversight in Ghana'. Paper Presented at a Workshop on 'Security Sector Governance (SSG) in Africa "at the La Palm Royal Beach Hotel, Accra, on November 24-26, 2003.
- "The Right to Development: Field Perspectives from the Right to Health Project". Paper Presented at the Harvard School of Public Health, December 9, 2003.

Conference / Seminars / Workshops

Below is a list of conferences, seminars and workshops attended by some members of the Faculty.

Kotey, N.A.

- World Bank Conference on the Thailand Land Titling Programme: Challenges to Land Administration, Bangkok, Thailand, 19-21 February 2003

Quashigah, E.K.

- Alternate Report Presentation Paper presented at Workshop on Promoting Accessibility to the African Commission on Human and People's Rights by African Legal Aid, Accra, Ghana, 2-6 September, 2002.

Sarpong, G.A.

- Sarpong G.A. "Accra Metropolitan Environmental Health Initiative (AMEHI) Legislative Review". Final Report, AMA/DFID, UK Commissioned Study, July 2002, pp.93.
- Sarpong G.A. "Legislative Component -Baseline Study on Food Safety in Ghana". World Bank Commissioned Study, July 2002, pp. 31.

Ampofo, K.K.K.

- March 14-16, 2003, participated as a resource person (representing Faculty of Law, University of Ghana, Legon) at Workshop On Draft High Court Civil Procedure Rules, Volta Hotel, Akosombo, Ghana.
- June 3-4,2003, Participated as a resource person at a Seminar On Communications and Negotiation Skills for Young Professionals organised by the Ghana Institute of Engineers, Engineers Centre, Roman ridge, Accra. Delivered paper (completed) on "Contract Negotiation".
- July 4 and 25 2003, made presentations on Intellectual Property Rights Issues to two separate Groups of Registrars and Officers of Some Selected Traditional Councils in Ghana following a Programme at the Institute of African Studies, Legon.

FACULTY OF SCIENCE

DEPARTMENT OF BOCHEMISTRY

Overview

The physical facilities of the Department remained the same for the year under review. Although major repairs had been undertaken at the old Chemistry building to rehabilitate two (2) laboratories for use by the Department, it was not possible to move into those laboratories as the required equipment, labware and glassware were not received. It was, however, envisaged that the Department could move in by the beginning of the next (2003/04) academic year.

Courses

There were reviews of the existing courses to modify contents to include current applications.

Student Numbers

The following were the breakdown of registered students in the Department:

Undergraduates

Level 200 (students from Faculty of Agriculture)	84
* Level 300	188
* Level 400	56

Postgraduate

* M.Phil I	5
M.Phil II	6
Ph.D	3

*Include students from other Departments of the Faculty including Zoology, Botany, Nutrition and Food Science, Chemistry and Psychology.

Summary of Staffing Position

Dr. Yaa Difie Osei assumed duty as the new Head of Department while Dr. W.S.K. Gbewonyo the former Head of Department, proceeded on leave without pay.

There were six (6) senior members at post at the beginning of the session and one (1) lecturer, Mr. Gordon Awandare, was appointed to join the staff in December. However one senior member, Dr. Alida J. Nel had to leave at the beginning of January rather suddenly. Two of our retired professors, Prof. F.N. Gyang and Prof. Marian Addy agreed to teach a course each on part-time basis and help supervise some

graduate students, while two (2) part-time lecturers – Professors Alex K. Nyarko and Michael Wilson from Noguchi Memorial Institute for Medical Research helped with some of the courses.

One (1) senior member, Mr. Christian Clement was still on study leave while one of the senior technicians, Ms. Rosina Nyarko proceeded on study leave in the U.K.

There were two members of the Junior Staff recruited while one junior staff was transferred.

Staff Research Projects

Staff still continues to carry out research in the underlisted areas:

1. 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.
2. Medicinal Plants: modes of action and possible toxicity of anti-asthmatic, anti-inflammatory, anti-diabetic, anti-anaemic and anti-malarial plants extracts; chemistry and insecticidal activity of secondary metabolites from plants; anti-fungal and anti-bacterial actions of 'Fungus Tea'.
3. Drugs: potency and resistance.
4. Safety evaluation of some Ghanaian alcoholic beverages.
5. Immunology of parasites.
6. Water quality analysis: microbial content; characterization of bacteria and their Plasmids in drinking water.
7. Life and toxicity of pesticide residues in agriculture produce.
8. Biochemistry of insect-induced diseases of plants.
9. Biochemical analysis and transformation of agriculture by-products.

Conferences / Seminars / Workshop

Adamafo, Naa A.

- The University of Ohio Widernet Computer Training Workshop June 2003.

Osei, Yaa Difie

- 2nd Annual Research Meeting of Noguchi Memorial Institute for Medical Research September 2002.
- International Workshop on Convergence of Sciences Research Project: Technology Innovation Process for Better Integrated crop and soil management, April 11, 2003.
- African Technology Policy Studies Network (ATPS) – Ghana Chapter – Annual General Meeting, June 7, 2003 at STEPRI, CSIR.
- Workshop on RIING (Research to improve infant feeding nutrition and growth); August 12, 2003.
- Committee member on UNEP-GEF project on Development of National Biosafety Framework for Ghana.

Publications

Adamafio N.A. & Afeke, I.

- 2003. Treatment of selected agro-based by-products with corn stalk ash extract: Effect on carbohydrate and proteins. Proc 13th Annual Faculty of Science Colloquium, University of Ghana (In press).
- Adamafio, N.A. Dosoo, D.K. Aggrey, E.C. & Laary, J.K. 2003. Effect of corn stalk ash extract on oxalate and tannin levels in crop residues. Proc. 13th Annual Faculty of Science Colloquium, University of Ghana (In press).
- 2003. Alterations in Adipose tissue metabolism in genetically GH-deficient little mice. J. Gh. Sci. Assoc. Vol. 4 (2).

Addy, Marian

- Molecular characterization of antibiotic resistance in clinical salmonellatyphi isolated in Ghana. *Felix Charles Mills-Robertson, Marian E. Addy, Patience Mensah Scott, S. Crupper (2002).
- *F.C. Mills-Robertson, S.S. Crupper, M.E. Addy and P. Mensah (2003) J. Appl. Microbiol 94, 289-294.

Sarfo B.Y., Adjei A., Gyasi R., Shaleish Singh, Lillard J.W., Stiles J.K.

- Expression and localization of RANTES and corresponding receptors CCR1, CCR3 and CCR5 in Plasmodium yoelii infected mouse brain. Georgia Journal of Sciences 2003.

Eko, F.O., Igietseme, J.U., *Sarfo, B.Y., McMillan, L., Irune, I, Ifere, G.O. and Stiles, J.K..

- Development of a trypanosomal anti-Ca²⁺ATPase (TBCA-2) subunit vaccine based on the Vibrio cholerae ghost delivery system. Georgia Journal of Sciences 2003.

He G, Moore T, Eko F, Ramey K, Lyn D, *Sarfo BY, Stiles JK, McMillan LM, Black CM and Igietseme J.U.

- Molecular Basis for High Efficiency of Th1 Activation by IL-10 Knockout Antigen-Presenting Cells. Biennial Meeting of the Chlamydial Basic Research Society, 2003.

Sarfo, BY, Irune I, Otway K, Gyasi R, Adjei A, Lillard JW, Stiles JK:

- Alterations in Immunomodulator Gene Expression during Murine Cerebral Malarial. Annual meeting of the Georgia Academy of Sciences. Georgia Journal of Sciences 2002.

Sammy Sackey, Franklin Asuo, Godwin Dogbevia, Isaac Boako and Edward Obeng

- (2003). Composting as an option for domestic waste management. Proceedings of the Faculty of Science annual colloquium, May 2003.

Collaboration

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

* Ph.D students of the Department of Biochemistry.

DEPARTMENT OF BOTANY

The Department was able to run its academic programmes as a result of a significant improvement in its state of indebtedness and some arrangements that had been put in place, which included the following:

- i. The advance production of laboratory manuals/workbooks for virtually all the courses offered by the Department.
- ii. A slight (though still inadequate) improvement in the number of basic equipment eg. microscopes.
- iii. The official running of laboratory classes in shifts in several relatively smaller and manageable groups for each of the Practicals of each Course (particularly for the larger or highly subscribed courses at Levels 100 and 200). This necessitated having to run such practicals for some groups during the inter-semester break; although this had not been a very convenient experience for both the students and staff involved.
- iv. The provision of financial support by the Office of the Pro-Vice-Chancellor to undertake some (but not all) of the essential field trips for some of our ecology and field courses.

Despite the above improvement in the running of its academic programmes (particularly in the practicals for the larger classes at levels 100 and 200), the Department is still looking forward to receiving some equipment to help provide better practical training to our students at both senior undergraduate and graduate levels.

Efforts will also be made to solicit support to obtain a field vehicle (which should be large enough to convey about 80/ 100 students at a time) for practicals in the field in order to make the theoretical aspects more meaningful (particularly in this era of immense environmental degradation with its associated climate change and concomitant loss of biodiversity). This option will be pursued actively in the light of the high cost of renting such vehicles.

The effort to encourage lecturers to consider converting their notes into texts for use by students is still on-going.

Brief summary of courses offered

The Department successfully ran courses in Biology (at Levels 100 and 200). Courses in various fields of Botany were also run for students at Levels 300, 400, M.Phil I, II and Ph.D.

Summary of student members

Level- 100	559
Level- 200	487
Level- 300	77
Level- 400	55
M.Phil I	2
M.Phil II	2
Ph.D.	2
Total	= 1184

Summary of staffing Position

There has been a general improvement in the staffing situation in terms of Senior Members since 3 relatively younger ones have recently been appointed with the hope of developing the future direction of the department. In addition, two retired people have also been engaged as visiting scholars. However, the situation does not look encouraging at the technical level because of (i) an urge for and (ii) an increase in horizontal rather than vertical advancement by the junior staff. Efforts ought to be made to address this situation by providing our technical staff with the opportunity for refresher courses, job satisfaction and upward mobility.

Staffing Position

The breakdown of staff at post was:

Emeritus Professors	2
Professor	1
Associate Professor	2
Visiting Scholars	5
Senior Lecturers/Research Fellows	7
Lecturers/Research Fellow	2
Chief Technicians	2
Principal Technicians	3
Senior Technicians	2
Technicians	1
Senior Administrative Asst.	
Asst. Transport Officer	1
Asst. Technicians	4
Headman	3
Clerk Gd.I	1

Research/Projects

Laing, E.

- Genetics and heritability of cowpeas (*Yigna unguiculaaa Walp*).

Clerk, G.C.

- Ultrastructure, reproduction and physiology of fungi.

Odamtten, G.T.

- Post-harvest pathology and conservation.
- Anti-microbial compounds in higher plants as control agents for plant pathogenic fungi.
- Fungal biodiversity and fungal biotechnology.
- Edible and poisonous mushrooms of Ghana.

Enu-Kwesi, L.

- Ecophysiology of useful plants of Ghana including the autecology of some timber species in Ghana.
- Seed biology - dormancy and germination studies.
- Biodiversity and tree-crop compatibility studies.

Acheampong, Elizabeth

- In vitro multiplication of plantain, cocoyam and other root tubers.
- In vitro multiplication of pineapples for commercial production.
- Cryopreservation studies.

Ameka, G.K.

- Ecology of aquatic macrophytes; rheophytes of Ghana.

Amoah, Cecilia

- Water quality and biological components of sewage.

Markwei, Carol

- Studies on mineral nutrition of *Yigna subterranea* (Bambara groundnut *Xanthosoma mafafa*)
- Biodiversity studies.

Adomako, J.K.

- Field and laboratory studies on the regeneration of *Piptadeniastrum Africanum*.

Yankson, Mary

- Regeneration of some ornamental plants.
- Studies on some disease of ornamental plants.

Asante, L.K.

- Quantitative genetics and plant breeding.

Annang, T.Y.

- Managing aquatic plant proliferation in the Lower Volta Basin.
Ecology of Freshwater algae in the Densu River Basin.

Essilfie, I.W.K.

- Systematic Botany and plant conservation.

Vordzogbe, V.V.

- Plant Ecology, Post-fire Forest Regeneration and Conservation.

Owusu, E.

- Mycology

Wonkyi-Appiah, J.B.

- Genetics and plant breeding.

Chachu, R.E.O.

- Forest ecology, Studies on Forest Plantations/Forest Conservation.

Adomako, Eureka E.

- Population Ecology and Conservation Biology.

Projects

The Department concluded the following projects:

- Darwin initiative for survival of species on conserving and cultivating medicinal plants in Ghana (participating organizations were: - the Royal Botanic Gardens, Kew, Edinburgh; Botanic Gardens Conservation International; World Conservation Monitoring Centre; Aburi Botanic Gardens, Ghana and University of Ghana, Legon.
- Biodiversity assessment and studies component of the United Nations University project on People, Land Management and Environmental Change (UNU/PLEC) in Ghana in collaboration with colleagues from the Department of Geography and Resource Development, University of Ghana, Legon; the Institute of Renewable Natural Resources (IRNR) at KNUST and the University of Development Studies, Tamale.
- Contribution of House gardens to *in situ* conservation of plant genetic resources in farming systems in Ghana. Participating countries and organizations included South and Central American countries, the Plant Genetic Resources Centre (PGRC) at Bunso and the International Plant Genetic Resources Institute, Rome, Italy.

The Department is currently undertaking the underlisted projects with other Organizations (local and international):

- Development of cryopreservation techniques for yam, cocoyam and frafra potato (LOA/S SA/2000/3 5).
- GATSBY Research (Agric, Forestry and Fisheries) to raise (in tissue culture) cultivars of plantains for the Ministry of Food and Agriculture.
- Collaboration with the private sector to multiply pineapple for commercial production and export.
- There is collaboration among the University of Ghana, the International

- There is collaboration among 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 make the Tissue Culture laboratory at the Botany Department a Centre of Excellence for Research and Post Graduate Training in Plant Tissue Culture and Biotechnology in Africa.

Publication

Ameka, G.K., Clerk, G.C., Pfeifer, E and Rutishauser, R.

- (2003) Development morphology of *Ledermanniel bowlight* (Podostemaceae) from Ghana, *Plant Syst. Evol.* 237 (3-4): 165-183.

• **Vordzogbe, V.V., Romeo, R. and Gbogbo, F.**

(2003) Biodiversity Assessment (Flora and Fauna) in the Sefwi Wiawso District of the Western Region. *Agroforestry, Environmental Care, Job Creation and Poverty Reduction*. Ricerca e Cooperazione (RC) for the European Commission EC).

Conferences/Seminars Attended

Annang, T.Y.

- Workshop on Building Consensus on Research Priorities on Water and Food in the Volta Basin (Challenge Program on Water and Food) Accra, July, 2003.

Benefaction

The Accra Diamond Lions Club is the major sponsor of the fencing of the Teaching Garden at the Department.

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	927
Level 200	515
Level 300	62
Level 400	55
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 red. The lack of basic equipments for research continued to hamper research in the department. The rate at which glassware got broken at practicals is unacceptable. The Department is having to cope with lack of lecture space. The department also had to cope with deteriorating infrastructure, especially leaking roof and drainage systems in both the old and new chemistry buildings.

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. At the postgraduate level, students are taking much longer time to complete due to lack of adequate logistic.

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 render their services to various institutions, boards, commissions 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
Dr. D. Carboo (Head of Department)
Prof. W.A. Asomaning
Dr. I.V. Oppong
Dr. F.L. Phillips (on Sabbatical Leave)
Prof. M. Dakubu
Dr. C.T. Beni
Dr. R. K. Akuamoah
Dr. A.K. Brimah (on Sabbatical Leave)
Dr. L. K. Doamekpor
Dr. V. K. Nartey
Dr. (Mrs) D. O. Safo
Mr S. A. Asunka (On Study Leave)
Dr. R. K. Adaboh

The department also made use of part-time lecturers to manage the large numbers of students.

Staff Publications

Carboo, D.

- Epithermal instrumental neutron activation analysis for the determination

of gold and arsenic in Ghanaian gold tailings using conventional and anti-coincidence counting

D. Carboo B. J. B. Nyarko, Y. Serfor-Armah, J. Holzbecher E. K. Osae, E. H. K. Akaho and A. Chatt (2003) J. Radioanal. & Nucl. Chem., Vol 256(2) 253 - 257

- Screening of some commonly used skin-lightening creams and soaps: A case study in Ghana.

Beni, C.T.

- C. T. Beni, B. T. Markuu and E. H. K. Akaho (2003) J. Ghana Science Asso., Vol 4 (3) 254 - 261

Akpabli, C.K.

- Water Quality Characteristics of Accra-Tema Coastline, Ghana. Asuquo, F. E. and Akpabli, C. K. (2003) Trop. Environ. Res. Vol 4 p. 296 – 306
- Quality Evaluation of Natural Mineral Water Produced in Ghana. Akpabli, C. K. ; Amoako C. ; Acheampong, K. (2003) J Appl. Sci. & Technol. Vol 7, (1&2) P 71 – 76
- Detection and Determination of Pesticides Using Thin Layer Chromatography: Part I: Physicochemical Conditions Yeboah, P. O. ; Lowor, S.; Akpabli C. K (2003). J. Appl. Sci. & Technol. vol. 7, (1&2) p77 – 83
- Detection and Determination of Pesticides Using Thin Layer Chromatography: PartII: Retention Factors Yeboah, P. O. ; Lowor, S.; Akpabli C. K (2003). J. Appl. Sci. & Technol vol. 7, (1&2) pp84 - 89
- The two sides of the Atmospheric Ozone: 2. Stratospheric Ozone Layer Depletion and its Environmental Consequences C. K Akpabli (2003) pp 19 - 23 Everyday Science for Schools, Vol 3 (1).

Nartey, V.K.

- Environmental impacts of mercury related to artisanal gold mining in Ghana V. K. Nartey (2003), J. Phys. IV France 107, pp 217 - 220

Extension Activities

Some members of the Department continued to provide services to the various boards, institutions and companies, including.

1. Ghana Standard Board – Technical Committee.
2. Water Resources Research Institute.
3. West Africa Examination Council.
4. Ghana National Commission of the Intergovernmental Oceanographic Commission.
5. Environmental Protection Agency.
6. Tema Lube Oil Company Limited.

DEPARTMENT OF COMPUTER SCIENCE

Overview

The Department of Computer Science continues to play a 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 enrolment.

Staff Position

There is now an improvement in the staff position in the Department. At the moment, there are five (5) full-time Senior Members in the Department. However, the Department is assisted by one part-time Lecturer from the industry and two Visiting Scholars from China.

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. Computer facilities in our Teaching Laboratories are woefully inadequate to meet the growing students demand. However, University authorities have continued to make efforts to increase these facilities.

Major Problem Area

Since its inception in 1973/74, the Department of Computer Science had remained the only Department in the Faculty of Science without her own building, besides other constraints.

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 Systems Analysis, as well as Networking and Data Communication.

The Department is now offering Courses in Computer Science at first year (Level 100).

Enrolment Trends

Level 100	288
Level 200	227
Level 300	95
Level 400	77

Service Courses

The Department also provides service courses to the following:

1. Faculty of Agriculture
2. School of Public Health
3. College of Allied Health Sciences, Korle-Bu
4. Legon Centre for International Affairs (LECIA)

Department's Activities

The Department was appointed by Adventist Development and Relief Agency (ADRA) headquarters in Washington, United States of America to develop the following software:

1. Computerized Monitoring and Evaluation System
2. Computerized Commodity Tracking System

The above systems have been implemented in the ADRA Office in the following countries:

- a) Ghana
- b) Guinea

The Department is now recognized as CISCO Networking Local Academy that train students on the skills for the Internet Economy and Networking Certification.

Research Interest

Senior Members of the Department continue research and consulting work in the following areas:

Aryeetey, J. A.	Lecturer	Database Information Systems Development
Odoom, I.	"	On Study Leave
Ecklu, J.	Lecturer	System Development, Data Communication & Networking
Gyebi, Ernest B. B.	"	Computer Hardware, Networking and Data Communication
Wiredu B. S-K.	"	Computer Hardware, Networking and Data Communication

Prof. Ding Fucai, F.	Visiting Scholar- "	Computer Graphic Computer Applications Laboratory
Wilson, Matilda S.	Tutor	Software Engineering

Non - Teaching Staff

3 Senior Staff.

2 Junior Staff.

DEPARTMENT OF GEOLOGY

Overview

In the 2002 / 2003 academic year, research and teaching activities in the department went on as scheduled. Prof. S.K.A. Danso, the Director of the Ecological Laboratory, University of Ghana, and also a professor in the Soil Science Department was appointed to the Chair of Geo-environmental Studies instituted by the Ghana Chamber of Mines. The Departmental staff were augmented by two persons, Mr. Thomas Armah a newly appointed lecturer and Prof. K. Attoh, a Fulbright Professor of Geology. The Department was also honoured by the award of a Ph.D degree to Dr. David Atta-Peters, the second to be awarded in the Department by the University of Ghana.

Dr. D.K. Asiedu a Senior Lecturer in the Department, was awarded a post-doctoral fellowship, tenable at the University of Munich, Germany. The Department also contributed to the teaching of courses in the Environmental Science Programme. Mr. Prosper Nude, a Lecturer and a Ph.D. candidate, proceeded to the Utah State University in the United States of America for a year's exchange programme to analyse his data.

Courses

The Department mounted courses both at the undergraduate and post-graduate levels.

Student Numbers

Level 100	752
Level 200	24
Level 300	13
Level 400	29
Level 600	11
Ph.D.	6

Staff Position

The Department recruited one lecturer and a Visiting Fulbright Professor. Part-time lecturers still played an important role in the teaching of courses in the department. The breakdown of staff at post were:

- 1 Visiting Associate Professor
- 4 Senior lecturers
- 5 Lecturers
- 2 Senior staff
- 7 Junior staff

Research Activities

Atta-Peters, D.

- Palynostratigraphical and biostratigraphical analysis of Cretaceous and Tertiary strata in Keta and Tano basins in Ghana.
- Paleoenvironmental interpretations of Cretaceous and Tertiary strata of Ghana, using palynomorphs as basis
- Sedimentological and palynological approach to interpreting paleoenvironments of sediments from the Sekondian Group.

Nyame, F.K.

- Manganese ore deposit at Nsuta, Western Ghana
- Management of water resources (problems with water supply, quality and distribution, etc.)
- Mining and development issues
- Problems associated with land reclamation in mined out areas (with Chair of Geo-environmental Studies, Legon)
- Waste Management (with Accra Metropolitan Authority Waste Management Department)
- Genesis of various ore deposits, e.g. Au, Mn, Fe (with Prof. Nic Beukes, Rand Afrikaans University, Johannesburg, South Africa)

Akabzaa, T.M.

- Environmental Impacts of Mining Projects, with a special focus in: Acid Mine Drainage and trace metal leaching and contamination from mining activities.
- Mining projects evaluation.
- Economic and environmental aspects of small scale mining in Africa.
- Foreign direct investment in the mineral resource sector in Africa and its impact on local economics.
- Opportunities for divestification in the mineral resource sector.

Banoeng-Yakubo, B.

- The water balance and recharge regimes groundwater in the Pompon sub-basin of the Densu Basin.
- The water balance and recharge of groundwater in the Anloga area of the Keta basin.

- Freshwater-saline water interface studies in the Anloga area.
- Groundwater salinity studies in the Central region, Ghana.

Hayford, E.B.

- Researches on the structures at the Akosombo dam area: in collaboration with the Volta Basin Research Project - University of Ghana.
- Researches on vein systems in the Birimian.
- Researches on the Carbonatites.

Manu, J.

- Birimian mineral deposits and related alteration patterns.

Attoh, K.

- Paleoseismology and neotectonics in Southern Ghana

Publications

Atta-Peters, D.

- Atta-Peters, D., and Salami, M.B., Palynology of Albian - Cenomanian sediments of well Tano 1-1, offshore Tano basin, western Ghana. (in press).
- Asiedu, D.K., Hegner, E., Rocholl, A., and Atta-Peters, D., : Provenance of Late Ordovician to Early Cretaceous sedimentary rocks from southern Ghana, as inferred from Nd isotopes and trace elements. (in press).
- Atta-Peters, D., and Anan-Yorke, R., 2003. Latest Devonian and Early Carboniferous Pteridophytic spores from the Sekondi Group of Ghana. *Revista Espanola de Micropaleontologia*, 35 (1), 9 – 27.

Nyame, F.K.

- Nyame, F. K. (2001) Petrological Significance of manganese carbonate inclusions in spessartine garnet and relation to the stability of spessartine in metamorphosed manganese-rich rocks. *Contributions to Mineralogy and Petrology* 141, 733-746 (Springer-Verlag).
- Nyame, F. K., Yamamoto, M. & Beukes, N. J. (2002) Carbon and oxygen isotopic variations in carbonates from the Palaeoproterozoic (~2.2 Ga) Nsuta manganese deposit in the Birimian of Ghana. Abstracts volume, International Sedimentological Congress, Johannesburg, South Africa.
- Nyame, F. K., Beukes, N. J., Kase, K. & Yamamoto, M. (2002) Compositional variations in manganese carbonate micronodules from the Lower Proterozoic Nsuta deposit, Ghana: product of authigenetic precipitation or post-formational diagenesis? *Sedimentary Geology* 154, 159-175 (Elsevier).
- Nyame, F. K. (2001) Local Economic Development (LED) projects in mining communities in Ghana – Phase I. Report prepared for the Minerals Commission, Ghana, 35p.
- Nyame, F. K. (2002) Local Economic Development (LED) projects in mining communities in Ghana – Phase II. Report prepared for the Minerals Commission, Ghana, 143p.

Akabzaa, T.M.

- In Collaboration with Groupe de recherche sur les activités minières en Afrique: The Challenges of Development, Mining Codes in Africa And Corporate responsibility. in International and Comparative Mineral Law and Policy Trends and Prospects (2003, in Press)
- Thomas Akabzaa and Abdulai Dariamai. Diamond industry in Ghana: Report to Partnership Africa Canada (PAC), October 2002.
- Thomas Akabzaa. "Research for Advocacy on Issues on Mining and the Environment in Africa: A case Study from the Tarkwa Mining District in Ghana. A chapter in a book of proceedings of Mining Conference (Mining, Development and Social Conflicts in Africa) 2001. P143 - 153
- Thomas Akabzaa and Abdulai Dariamai: A study of impacts of mining sector investment in Ghana on mining communities. Prepared with Abdulai Darimani of the EPA for the Technical Committee on Structural Adjustment Participatory Review Initiative (SAPRI), a World Bank sponsored project: 2001, Accra, Ghana.

Banoeng-Yakubo, B.

- Dampare, S.B., Asiedu, D.K., Osae, S., Manu, J and Banoeng-Yakubo, B. (2002). Geochemistry of Early Proterozoic Greywackes from the Birim Diamondiferous Field, Ghana. *Journal of the Faculty of Science*.
- Banoeng-Yakubo, B.K. and Amenu, E. (2002). Geophysical characterization of aquifer systems in the Afram plains, Ghana. *Journal of the Faculty of Science (in press)*.
- Banoeng-Yakubo, B. (2002). Assessment of pollution status and vulnerability of water supply aquifers in the Keta Basin, Ghana (REPORT FOR UNEP/ UNESCO, Nairobi Kenya).

Hayford, E.B.

- Emplacement of magma in fissures as demonstrated by quartz veins in the Tarkwa-Prestea area: Macroscopic distinction between hydrothermal and metamorphic quartz veins. (Submitted to *Journal of African Earth Sciences*).

Manu, J.

- Loh, G.K. and Manu, J. The Akitekya ultramafic complex in southwestern Ghana and its mineralisation potential (in press).

Attoh, K.

- Attoh, K., Brown, L., Guo, J., and Heanlein, J. 2002. Seismic stratigraphic record of transpression and uplift on the Romanche transform margin, offshore Ghana. *Geol. Soc. Amer. Abstracts with Programs*, 33 p A210

Conference/Seminar**Atta-Peters, D.**

- Roundtable discussion on Promoting Policies, practices and structure of good governance in the mining sector'. Institute of Economic Affairs, Accra, 14th May 2003.
- Middle Cretaceous spores and pollen from well Tano 1 - 1 offshore Tano

Basin: Paper presented at 13th Faculty of Science colloquium Legon, 29th - 30th April 2003.

- Africa Mining Partnership conference. M-Plaza Hotel, Accra. 20th October 2003.
- Ghana-South Africa Mining Sector Co-operation Meetings. M-Plaza Hotel, Accra. 19th – 22nd October 2003.

Nyame, F.K.

- July 6-10, 2003 International Conference of Carbonate Sedimentologists (12th Bathurst Meeting). University of Durham, U. K.
- September 8-10, 2003 International conference on Communities and small-scale mining (CASM) 3rd Annual General Meeting, Elmina, Ghana.

Akabzaa, T.M.

- Africa's experience with foreign investment: The case of Foreign Direct Investment (FDI) in the extractive sector. Paper Presented to an African Trade Meeting organized by the Third World Network (TWN) at Shangri-La Hotel, Accra. May 14th to 16th 2003.
- Land Poverty in Commercial Mining and Forestry Zones in Ghana. Paper Presented to a Roundtable on Land Organized by ISODEC at Agona-Swedru, Ghana, from April 23 – 25 2003
- Professional Development Seminar on Mine Water Pollution at University of Newcastle, School of Civil Engineering and Geosciences, United Kingdom. March 30- April 5 2003
- West Africa Mining Conference in Sierra Leone from November 11th to 15th 2002. Presented paper on The Role of Foreign Direct Investment in the economic Development of mineral Endowed African Countries
- World Summit on Sustainable Development in Johannesburg, South Africa August 26th to September 4th 2002. Presented paper on Environmental Regulation And Standards And The Flow Of Foreign Direct Investment To African Countries: Focus On Mineral Resource Extraction at the a side event of French Ministry of Environment and Sologral, a French NGO on 30th August 2002.

Banoeng-Yakubo, B.

- Regional stakeholders conference for priority setting for water sustainable development in Africa: 15-17 April. Accra, La Palm Beach Hotel, Accra.
- National workshop on Raw water quality standards STEPRIL/Accra, 30th September 2002.
- Launching meeting on Assessment of Pollution Status for water supply aquifers in Africa: 11 – 13th March, 2003.
- Preparatory meeting on third phase of the DANIDA-ENRECA HYDROGEOLOGICAL Project, 23rd July to 4th August 2003, Copenhagen, Denmark.
- Tumbulto, J and Banoeng-Yabubo, B. Hasholt, B., Skjerna, L. and Joergensen, N. (2002). Elements of water balance in the Pompom sub-catchment of the Densu river Basin, Ghana. IAH conference on Balancing the Groundwater Budget.: 12th – 17th May, 2002, Darwin, Australia.

Hayford, E.B.

- Carbonatites in Ghana. Contribution to Scientific Workshop on Limestone in Prague, Czechoslovakia. Dec. 2002.

The DANIDA-ENRECA HYDROGEOLOGICAL Project

The DANIDA-ENRECA HYDROGEOLOGICAL Project, which started in 1997, has its main objective of enhancing the research capacity of hydrogeologists in the Universities and research institutions. Currently, the project is in its second phase and, to date, six Ph.Ds have been trained, one of whom has completed whilst two others have submitted their dissertations for examination and are awaiting the date for the defence of their dissertations. Two others are preparing to submit their dissertations before the end of 2003. Currently, the project is considering the application of four Ph.D candidates for support during the third phase of the project. Four of the Ph.D students are from Water Research Institute, CSRI, one from the Geological Survey Department and the others are Senior Members of the Department of Geology.

So far, 8 M.Phil students have been sponsored to complete their project work, including two students from the Environmental Science Programme. The supervision of all the Ph.D students and some of the M.Phil students is carried out with the support of our Danish counterparts. Activities of the project are co-ordinated in Ghana by Dr. Bruce Banoeng-Yakubo.

The project has two field stations in Buokuroom and Anloga, both of which are being used to study the hydrometry and groundwater recharge characteristics of the Densu and the Keta basin respectively.

The following projects are on stream:

- The water balance and recharge regimes groundwater in the Pompon sub-basin of the Densu Basin.
- The water balance and recharge of groundwater in the Anloga area of the Keta basin.
- Freshwater-saline water interface studies in the Anloga area
- Groundwater salinity studies in the Central Region, Ghana.
- Mining environmental risk Assessment: An evaluation of Impacts of Acid-Rock Drainage in the Prestea-Bogoso-Abosso-Nsuta-Tarkwa Mining Axis.

The project is also actively helping the Department to develop and has networked the Department. It has also rehabilitated the departmental library and catalogued all the books in the library. The departmental museum is also being rehabilitated by the project in order to make it attractive for visitors and members of the university community to learn about the minerals and rock resources of Ghana and elsewhere in the world.

DEPARTMENT OF NUTRITION AND FOOD SCIENCE

Overview

The major activities in the Department covered teaching and research on problems relating to health, nutrition and food technology. Expertise of the Department continued to be sought for National and International development efforts.

The Department was also engaged in restructuring some of its courses to meet the changing needs of families and the food industry and the development needs of our country, Ghana.

The Department had eight permanent teaching staff at post and five part-time lecturers. The staffing position for the 2002/2003 academic year was as follows:

Staffing Position

Professor	2
Associate Professor	1
Senior Lecturer	3
Lecturer	5
Part-time Lecturer	5
Senior Staff	6
Junior Staff	9

Courses offered and Student Numbers

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	37
Level 400	30

Undergraduate Nutrition

Level 200 (Introductory Nutrition I)	632
(Introductory Nutrition II)	579
Level 300	40
Level 400	35

Post-graduate Programmes in Nutrition and Food Science

M.Phil Part I (Food Science)	10
M.Phil Part I (Nutrition)	2
M.Phil Part II (Food Science)	6
M.Phil Part II (Nutrition)	1

Ph.D (Food Science)

Ph.D (Nutrition)

Total Student Numbers

1,372

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:

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, Esther

- Studies on improving the nutritional, sensory quality characteristics of traditional foods (e.g. cowpea-fortified plantain-based snacks, dried fruit and vegetable products)
- Physicochemical characterisation of cowpea cultivars – characterisation of starch and alpha amylase activity.
- Studies on processing and quality characteristics of banana and plantain cultivars.
- Studies on dehydration parameters of fruits and vegetables – dehydration of tomatoes and Osmodehydration of pawpaw.
- Development of frozen dessert from tigernuts.
- Studies on sensory perception of fruit juices and its effect quality and acceptability.

Asibey-Berko, E.

- Development of Modified Cow's milk for Infants of HIV-positive mothers.
- Nutritious Ghanaian Meals for HIV Positive Ghanaians.
- Development of Spot-Kit for Iodine in Salt.
- Study of Iodine in Sea weeds.

Tano-Debrah, K.

- Pathogenicity of *Staphylococcus* spp. isolated from street foods and street food vendors.
- Microbiological quality of street fruit juices sold in Accra.
- Microbiological and nutritional quality of Check-Check Rice.
- Development of Cowpea-based shito.
- Formulation of media for the production of *Pleurotus* spp. Using some agro-processing wastes.

Afoakwa, E.O.

- Optimization of the canning procedure of Cowpea (*Vigna unguiculata* L. Walp) seeds using response surface methodology.
- Biochemical and quality changes during post-harvest and storage periods of pineapple fruits (*Ananas sativus*).
- Effects of sugar, pectin and acid balancing on the quality characteristics of pineapple jams.
- Effects of harvesting technique and storage on the quality characteristics of sweet oranges (*Citrus sinensis*).
- Quality characteristics of dehydrated pawpaw, pineapple and mango fruits.

Owusu, W.B.

- Coordinator of the Child Health And Development (CHAD) project based in the school of Public Health, Legon. The objective of this was to sample groups of school-age children in the Greater Accra Region and monitor their physical, psychological, parasitological, sociological and nutritional status. Data collection has been completed; we are at present analyzing data.
- Consultant to Global Linkages Company Limited on a World Bank / Ghana Health Service-sponsored Community-based Nutrition and Food Security in the Bongo (Upper East Region), Kadjebi (Volta Region), Komenda-Edina-Eguafo-Abirem (Central Region), and Sefwi-Wiaso (Western Region). The objective of this survey is to provide baseline data on child nutritional status, socio-economic situation, food security, and indicators of infrastructure, health and educational facilities in the selected communities as the basis for evaluating the national Poverty Reduction Programme (PRP).
- Consultant to a USAID-funded project on Food Consumption Survey with particular focus on the use of cooking oil, flour, bullion cubes, and sugar, which have been targeted as potential vehicles for fortification to prevent micronutrient deficiencies in Ghana. An interim report has been submitted for review.

Special Collaborative Research Areas

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

Researchers

Prof. S. Sefa-Dedeh
Dr. Esther Sakyi-Dawson
Dr. Owuraku. Sakyi-Dawson
Dr. K. Tano-Debrah

evaluated.

Mr. E.O. Afoakwa
Ms. Cynthia
Gadegbeku

2. WHO-funded Multicenter Growth
Reference Study (MGRS)

This project is as 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.

Dr. W.B. Owusu
Dr. Anna Lartey

The Department received support in the form of equipment and vehicles for the project.

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. Comparison of the efficacy and acceptability
of three types of micronutrients supplements
added to complementary foods.

Dr. Anna Lartey
Dr. K.G. Dewey

5. Post-harvest Technology of Roots and Tubers.

This is a network of research collaboration involving scientists from Natural Resources Institute of DFID of the United Kingdom, Food Research Institute of Ghana and the Department of Nutrition and Food Science.

Prof. G.S. Ayernor

Publications

Ayernor, G.S.

- Ayernor, G. S. Hammond, T.K. and Graffham, A., 2002. The combination of rice malt and amyloglucosidase for the production of syrup from cassava flour. African Journal of Science and technology (AJST) Science and Engineering series Vol. 3, No. 1, pp 10-17.
- Houssou Paul and Ayernor, G.S., 2002. Appropriate processing and food functional properties of maize flour. African Journal of Science and technology

- (AJST) Science and Engineering series. Vol. 3, No. 1, pp 126-131.
- Mensah, N.K. and Ayernor, G.S. Artisanal and modern processing of palm oil in Ghana. *Journal of the Ghana Science Association*. Vol. 3 No. 3, 2002. pp 85-90.
- Noamesi, S.K., Ayernor G.S., Bancroft, R, 2002, Storage physiology and shelf life of *Dioscorea rotundata* cultivars. (In press).
- Gomado, D.K. and Ayernor, G.S. Some properties and preservation of avocado pear (*Persea americana*). University of Ghana Faculty of Science Colloquium, Legon, 2002 (In press)
- Dedzo, C. and Ayernor, G.S. Technical food canning evaluation of snails (*Achatina achatina*). University of Ghana Faculty of Science Quolloquium, Legon, 2002 (In press).

Afoakwa, E.O.

- Afoakwa, E. O. and Sefa-Dedeh, S. (2003). Biochemical, textural and microstructural changes associated with the post-harvest hardening of trifoliolate yam *Dioscorea dumetorum* tubers. *Journal of the Ghana Science Association*. 4 (1) pp. 20-26.
- Sefa-Dedeh, S., Cornelius, B., Sakyi-Dawson, E. & Afoakwa, E. O. (2003). Application of Response Surface Methodology to Study the Quality Characteristics of Cowpea-fortified Nixtamalized Maize. *Journal of Innovative Food Science and Emerging Technologies* 4 (2003). pp. 109-119.
- Sefa-Dedeh, S., Cornelius, B. & Afoakwa, E. O. (2003). Effect of Fermentation on the Quality Characteristics of Nixtamalized Corn. *Journal of Food Research International* 36 (2003). pp. 57-64.
- Sefa-Dedeh, S., Cornelius, B., W. Amoa-Awua, Sakyi-Dawson, E. O. and Afoakwa, E. O. (2003). The Microflora of Fermented Nixtamalized Corn. *International Journal of Food Microbiology* 2755 (2003). pp. 1-6.
- Sefa-Dedeh, S., Cornelius, B., Sakyi-Dawson, E. O., & Afoakwa, E. O. (2003). Effect of Nixtamalization on the Chemical and Functional Properties of Maize. *Journal of Food Chemistry*. (In Press).
- Afoakwa, E. O., Sefa-Dedeh, S., and Sakyi-Dawson and (2003). Effects of cowpea fortification, dehydration method and storage time on some quality characteristics of maize-based traditional weaning foods. *African Journal of Food, Agriculture, Nutrition and Development* (In Press).
- Asare, E. K., Sefa-Dedeh, S., Sakyi-Dawson and Afoakwa, E. O. (2003). Extrusion of sorghum and sorghum-cowpea-peanut mixtures: Process and Product Characteristics Submitted for publication into the *International Journal of Food Science and Technology* (In Press).
- Asare, E. K., Sefa-Dedeh, S., Sakyi-Dawson and Afoakwa, E. O. (2003). Application of Response Surface Methodology for Studying the Product Characteristics of Extruded Rice-groundnut-cowpea Blends Submitted for publication into the *International Journal of Food Science and Technology* (In Press).

Sakyi-Dawson, E.O .

- Sefa-Dedeh, S., Cornelius B., Sakyi-Dawson E.O. 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*. 4:109-119
- Sefa-Dedeh, S., Cornelius, B., Amoa-Awua, W., Sakyi-Dawson, E.O. and Afoakwa, E.O. (2003). The microflora of fermented nixtamalized corn. *Int. J. Food Microbiology* 2755:1-6.
- Phillips, R.D. , McWatters, K.H., Chinnan, M.S., Hung Y-C Beuchat, L.R. Sefa-Dedeh, S. and Sakyi-Dawson, E.O. et. al. 2003. Utilization of cowpeas for human food. *Field Crops Research* 82:193-213.
- Asare, E.K., Sefa-Dedeh, S., Sakyi-Dawson, E.O. and Afoakwa, E.O. (2003). Extrusion of sorghum and sorghum-cowpea-peanut mixtures: Process and Product Characteristics Submitted to *International Journal of Food Science and Technology* (In Press).
- Asare, E.K., Sefa-Dedeh, S., Sakyi-Dawson, E.O. and Afoakwa, E.O. (2003). Application of Response Surface Methodology for Studying the Product Characteristics of Extruded Rice-groundnut-cowpea Blends: Submitted to *International Journal of Food Science and Technology* (In Press).

Tano-Debrah, K.

- Tano-Debrah K. and Ewusie, Nana B. Characteristics of a dietary fibre-rich product developed from pineapple pulp. *International Journal of Food Sciences and Nutrition* (In Press).
- Tano-Debrah, K. and Gbeddy, Dennis V. Processing of a cowpea-groundnut blend into a miso-like product. *International Journal of Food Sciences and Nutrition* (In Press).
- Soyiri, I.N., Fobil, N.J., Tano-Debrah, K. and Amoa-Awua, W. Application of bioconversion in the re-use of fish processing waste: A Case Study of Tuna processing waste in Ghana. Case studies proceedings, Third Country Training Programme, Tunis, 2003.
- Obolie, E.M., Tano-Debrah, K. and Amoa-Awua, W. Modification of cassava texture during fermentation into akyeke. *Int. J. of Food Microbiology* (In Press).
- Obilie, E. M. Tano-Debrah K. and .Amoa-Awua, W. Souring and breakdown of cyanogenic glycosides during the processing of cassava into akyeke. *Int. J. of Food Microbiology* (In Press)

Lartey, Anna

- Akpene Banini, Jonathan Allen, Hengameh Allen, Leon Boyd and Anna Lartey.
- Fatty acids, diet and body indices of type II diabetic American Whites and Blacks and Ghanaians. *Nutrition* 2003; 19:722-726.

Owusu, W.B.

- Owusu, W.B. Prospects for Information Technology in Nutritional

- Epidemiology in Ghana. S.Afr.J Clin Nutr. 2002;15(2) (Supplement, SI-s48).
- Owusu, W.B. The Nutrition Link with Reproduction. Research Review NS 18.1 (2002) 51-55.
- Laar, A.K, Owusu, W.B. and Yeboah, K. Anthropometric Characteristics of HIV/AIDS patients in Accra, Ghana. J Gh Sc Assoc (in press).
- Twenefour, D. and Owusu, W.B. The Effect of Nutrition and Lifestyle on Quality of life of People Living With HIV/AIDS. J Gh Sc Assoc (in press)

Conferences, Workshops and Seminars Attended

Ayernor, G.S.

- The FAO/CRI Sponsored Workshop on Adaptation of the Home Gardening Training Package to Ghanaian Situation, 21-26 January 2002 CRI, Kumasi.
- African Nutrition Capacity Development Initiative. Training of Trainers Workshop on Advocacy in Nutrition 4th – 9th August 2002, Abidjan – Cote d'Ivoire.
- DFID/NRI Sponsored Workshop on Sustainable Uptake of Cassava as an industrial commodity. 29th May 2002., Miklin Hotel, Accra.

Lartey, Anna

- Workshop on Planning for the Department of Dietetics. By Allied Health Sciences, University of Ghana. Accra. March 24-28, 2003.
- Workshop on Infant and Young Child Feeding; By Ghana Health Service. Accra. April 24-25, 2003.
- Launching of RIING Project: Research to Improve Infant Nutrition and Growth.
- Stakeholders Meeting. By Department of Nutrition and Food Science, University of Ghana. August 12, 2003.

Sakyi-Dawson, Esther

- Technical Committee Meeting of the Bean/Cowpea Collaborative Research Support Program in Chicago, Illinois, USA. May 27 to June 4, 2003.
- Annual Conference of the Institute of Food Technologists, USA. July 8 to July 25, 2003 Chicago, Illinois, USA.

Asibey-Berko, E.

- Second Stakeholders Workshop on Anaemia control in Ghana. KAMA Conference Centre, Osu, January 28, 2003.
- First Meeting of National Forum on Harnessing Research, Science and Technology, East Legon. February 26, 2003.
- Launching of RIING Project. Miklin Hotel. August 12, 2003.
- Ministry of Women and Children Affairs Workshop Series on Iodised Salt. Koforidua: October 16-18; Techiman: November 6-8; Kumasi: November 20-22 and Cape Coast: December 12-14, 2003.
- Official Launching of National Forum on Harnessing Research, Science and Technology. Ministry of Information. November 26, 2003.

Tano-Debrah, E.

- 39th World Food Logistics Organization training on Cold Chain Management, Norman Oklahoma, USA; February 1-8, 2003.
- Fermentation characteristics of carambola must in wine production. Paper presented at the 13th Faculty of Science Colloquium, University of Ghana, Legon. (2003).
- Microbiology of major traditional beverages sold in Ghana. Paper presented at the 13th Faculty of Science Colloquium, University of Ghana, Legon. (2003).
- Application of bioconversion in the re-use of fish processing waste: A case study of Tuna processing waste in Ghana. Case Studies Proceedings, Third Country Training Programme, Tunis, 2003.(Paper presented).

Afoakwa, E.O.

- International Working Meeting of Foods In Africa (Food Africa 2003). Yaounde International Conference Centre, Yaounde, Cameroon, May 5 – 9, 2003.
- Taro and other Related Crops, Tanoa International Conference Centre, Nadi, Fiji Islands, May 21- 23, 2003.
- UNESCO Pre-Conference on The Ways of Promoting A Culture of Peace, Pallervo Institute, Revontulentie 9, Espoo-Tapiola, Helsinki, Finland, June 12-14, 2003.
- UNESCO Conference on Teaching and Learning for Intercultural Education (UNESCO 2003), Jyvaskyla, Finland, June 15 - 18, 2003.
- Second International Workshop on Food-based Approaches for Healthy Nutrition in West Africa: The Role of Food Technologists and Nutritionists, Ouagadougou, Burkina Faso, 23-28 November, 2003.
- Fundraising Fundamentals and Proposal Writing Workshop for Ghanaian Universities (FunFun 2003). Graduate School Conference Hall, University of Ghana, Legon, Ghana, April 21 – 25, 2003.
- Pacific Agriculture Plant Genetic Resources Network (PAPGREN) Workshop, Tanoa International Conference Centre, Nadi, Fiji Islands, May 19, 2003.

Owusu, W.B.

- WHO Multicentre Growth Reference Study (MGRS) 4th Steering committee Meeting , 14-17April 2002.
- Lactation and Lactation Management, and Behaviour Change Communication (BCC) organized by MOH/LINKAGES in Ghana, July 2003.
- Member of MOH/LINKAGES (Ghana) Task Force for Monitoring Training Institutions in Ghana (August, 2002).
- Workshop on Nutrition in HIV infection: Emphasis on Body Composition Global Initiative for AIDS Nutrition Therapy (GIANT) at Noguchi Memorial Institute for Medical Research, Legon, Ghana, October 2002.
- Integrating Nutrition Essentials into Pre-service Training, Busua Beach Resort, Takoradi Ghana, April 2002.
- Information Technology for the Advancement of Nutrition in Africa (ITANA) in Nairobi, Kenya, July 2002.

- First Annual Pre-service Review Conference of Health Training Institutions 15-17 October, 2002, Kumasi, Ghana.
- Technical Committee Meeting (UNICEF /IFPRI/ UDS Collaborative Operations Research Project on Food-Based Approaches to combating micronutrient Malnutrition in Savelugu/Nanton District in the Northern Region, Ghana.
- Private Sector-Public Sector Dialogue on Food Fortification in West Africa. Novotel, Accra, Ghana. 15-17October 2002
- 23rd Biennial Conference. Ghana science Association Conference in Kumasi, Ghana. On HIV/AIDS Pandemic Challenges for the Ghanaian Scientist. 4-7 August 2003 (paper presented was on "The effect of Nutrition and lifestyle on quality of life of People Living With HIV/AIDS)
- Second annual Pre-Service Review Conference at Chances Hotel, Ho, Ghana. 11-13 November 2003.

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.

Owusu, W.B.

- Featured on GTV Breakfast Show on Nutrition, Lifestyle and Health.

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 AND FISHERIES

Overview

The Department continued to promote research and training in Oceanography and Fishery Science. A new undergraduate programme leading to the award of the B.Sc.

degree in Oceanography and Fisheries was started at level 300. The programme will progress to level 400 during the 2003/2004 academic year at the end of which the first batch of its graduates will pass out.

Training in Oceanography and Fisheries made appreciable progress. Eleven graduate and 24 undergraduate students are enrolled in the Department. In the year under review, 2 female students enrolled for the Master of Philosophy Degree in Oceanography and 2 male students for the Master of Philosophy Degree in Fisheries. Research activities in the Department included studies on fish, fisheries, plankton, benthos, and aquatic mammals (dolphins and manatees). The Department continued to receive support from part-time lecturers from the Regional Maritime Academy, Department of Fisheries of the Ministry of Food & Agriculture, the Water Research Institute and the Ghana National Petroleum Corporation.

Three undergraduate students, including one female, had the unique opportunity of serving as interns on a 3-week offshore environmental baseline surveys for the West African Gas Pipeline Project through the courtesies of the Project Management.

The academic link with the Department of Marine Sciences and Coastal Management of the University of Newcastle was revived with a new focus with the theme "Ecosystem approaches to community-based coastal management"

Mr. Samuel Addo, a Research Fellow with the Volta Basin Research Project (VBRP) was attached to the Department as a lecturer. Mr. Nunoo resumed duty in the Department after a year's study leave at the North Carolina State University, USA. This formed part of his studies towards a Ph.D. degree in Fishery Science.

This report includes activities of three academic staff (A. K. Armah, G. Wiafe, F.K.E. Nunoo) as well as brief report on the International Workshop on Harmful Marine Micro-algae hosted by the Department in 2001 which were omitted in the previous year's submission.

Courses offered

The Department runs undergraduate (B.Sc.) and graduate (M.Phil and Ph.D) programmes in Fisheries Science, and in Oceanography. In view of the importance of the coastal zone in the national development agenda of several coastal nations, all the programmes offered include courses on coastal zone management. The Department also teaches the Integrated Coastal Zone Management and Fisheries Management components of the M.Phil. Environmental Science Programme of the Faculty of Science. It also contributes to the teaching of Limnology and Fisheries Biology in the Department of Zoology.

Undergraduate courses offered included Seamanship, Marine Ecology, Aquaculture, Biodiversity and Conservation. Graduate courses were offered in such areas as Chemical, Physical, Geological and Biological Oceanography, Law of the Sea, Aquaculture, Marine Botany, Fish Pathology, Fisheries Resource Dynamics & Assessment, Fisheries Management & Economic Studies, Ecology of Fishes as well as Statistics & Computing.

Student numbers

Level 300	24
MPhil	9
PhD	2

The Departmental degree programmes are essentially available at Level 300 and higher. It however supports the teaching of an elective course in Introductory Oceanography & Fisheries at Level 200. No student registered for this course at Level 200. Since the undergraduate programme was being run for the first time, the current pioneer crop of 24 are expected to progress to level 400 in the 2003-2004 academic year.

Staffing position

During the academic year under review the staff consisted of the following personnel:

Academic Staff (full-time)

Dr. P. K. Ofori-Danson	:	Head / Senior Lecturer
Mr. A. K. Armah	:	Senior Lecturer
Dr. G. Wiafe	:	Lecturer
Mr. K. E. Nunoo	:	Lecturer
Mr. S. Addo	:	Research Fellow

Part-Time Lecturers

Prof. C. J. Vanderpuyue	:	Ecology of Fishes
Dr. Hederick K. Dankwa	:	River Fisheries
Dr. V. Ziddah	:	Fish Pathology
Dr. K.A. Koranteng	:	Fishery Dynamics
Dr. A. Ofori-Quaah	:	Marine Geoscience
Dr. O.D. Ansa-Asare	:	Chemical Oceanography
Capt. E.K. Botchway	:	Seamanship

Research/Projects/Workshops**Collaborative research with the Dove Marine Research Laboratory, University of Newcastle**

The link with the University of Newcastle was re-established under sponsorship by the British Council for a period of six years starting from the 2003/2004 academic year. Activities under the link will focus on ecosystem-based approaches to coastal management for communities in Ghana.

Workshop on Harmful Microalgae in West African Waters

The Department in cooperation with the University of Copenhagen hosted the

IOCEA (International Oceanographic Commission for the East Atlantic) Workshop on Harmful Microalgae in West African Waters from the 29th October to 2nd November, 2001. It was attended by participants from Senegal, Sierra Leone, Guinea, Togo, Nigeria, Cameroun, Namibia and Tanzania. The Workshop was supported by the IOCEA and DANIDA. The main objective of the Workshop was to enhance general understanding of marine microalgal biology and taxonomy as well as identifying potential and actual problems of harmful algae in West Africa.

On-going research activities

- Natural and anthropogenic impacts on sandy shore fauna along the Ghanaian coast.
- Structure of the marine benthic communities (epifauna and infauna invertebrates and demersal fish) of the coastal waters of the Gulf of Guinea between Ghana and Nigeria.
- Marine plankton biodiversity in the Gulf of Guinea 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 feed.
- Ecological studies on the Keta Lagoon.
- Population biology and ecology of dolphins in Ghana.
- Avifauna dynamics in coastal wetlands.
- Remote-sensing of the coastal zone of Ghana.

Publications

Armah, A.K.

- Armah, A. K., G. Wiafe and D. Kpelle (in press). Sea level rise and coastal biodiversity in West Africa – a case study from Ghana. 22 pp. In: Climate Change for Africa: Science, Technology, Policy and Capacity Building. Ed. Pak Sum Low. Cambridge University Press.
- Armah, A. K., S. Addo and G. A. Darpaah (in press). Aspects of the reproduction of cichlids associated with the "Acadja" system of the Keta Lagoon (Journal of Ghana Science Association).
- Armah, A. K., Darpaah, G. A. and S. Addo. (in press) Food preferences of the cichlids associated with "Acadjas" and open water of the Keta Lagoon. (Journal of Ghana Science Association).
- Armah, A. K., Blay, J., Quaye, E.C., and J. Ryan (in press). Knowledge Networks for Village-Level Integrated Coastal Zone Management in West Africa: A Case Study of Three Settlements in Ghana. ISBN 9988-7887-1-1, Royal Crown Press Ltd. Accra, Ghana. 93 pp.
- A. K. Armah (2002). Management of Mangroves. In: Programme of Interventions of the African Process for the Development and Protection of the Marine and Coastal Environment in sub-Saharan Africa. ACOPS/ UNESCO-IOC, Paris. (10 pp).
- Wellens-Mensah, J., Armah, A. K., Amlalo, D.S., Tetteh, K. (2001). Ghana

National Report on Integrated Problem Analysis (WGIPA) for the GEF MSP Project "Development and Protection of the Coastal and Marine Environment in sub-Saharan Africa" ACOPS/UNESCO-IOC. Paris (94 pp).

Ofori-Danson, P.K.

- Ofori-Danson, P.K. (in press). An assessment of the purse seine 'winch-net' fishery in Lake Volta, Ghana. Reviewed for publication in the Journal of Lake & Reservoirs Research and Management, Calton South, Victoria, Australia in July, 2003.
- Ofori-Danson, P.K. and Ntow, W.J. (submitted) Limno-chemistry and potential fish yield of Lake Volta (Yeji sector), after three decades of impoundment. Submitted to the Ghana Journal of Agricultural Science in July, 2003.

Wiafe, G.

- Wiafe, G. (Submitted). Evidence of remote hydro-climatic effect on coastal processes of Ghana. Journal of Plankton Research.
- Armah, A.K. Wiafe, G. and Kpelle, D. (in press). Sea Level Rise and Coastal Biodiversity in West Africa: A Case Study from Ghana. In: Climate Change in Africa (Ed.) Pak Sum Low, Cambridge University Press.

Nunoo, F.K.E.

- Ajah, P. O. & F. K. E. Nunoo (2003). The effects of four preservation methods on length, weight and condition factor of Clupeid *Sardinella aurita* Val. 1847. Journal of Applied Ichthyology 19: 1-3.
- Nunoo, F. K. E. & G. K. Ameka (submitted). Occurrence of macro-algae in the by-catch of beach seine fisheries at Sakumono, Ghana. West African Journal of Applied Ecology.

Addo, S.

- Armah, A. K., S. Addo and G. A. Darpaah (in press). Aspects of the reproduction of cichlids associated with the "Acadja" system of the Keta Lagoon (Journal of Ghana Science Association).
- Armah, A. K., Darpaah, G. A. and S. Addo. (in press) Food preferences of the cichlids associated with "Acadjas" and open water of the Keta Lagoon. (Journal of Ghana Science Association).

Conferences, Workshops & Seminars

Armah, A.K.

- Thematic Workshop on Conservation and Sustainable Use of Coastal, Marine and Freshwater Resources, NEPAD, 24 - 25 February, 2003, Abuja, Nigeria.
- UNIDO/UNEP/MES/US-NOAA Meeting of Regional Technical and Scientific Task Team and Regional Steering Committee for Gulf of Guinea Large Marine Ecosystem Project. 8 - 11th April 2003, Accra, Ghana.
- GIWA- UCC (Global International Water Assessment – UNEP Coordinating Centre). Causal Chain Analysis & Policy Options Training Workshop. 8-13 September, 2002. Abidjan, Cote d'Ivoire.
- UNEP/FAO. Convention on Biological Diversity Ad Hoc Technical Expert Group on Mariculture. 1-5 July, 2002, Rome, Italy.

- ACOPS/IOC/UNEP. Development and Protection of the Coastal and Marine Environment in Sub-Saharan Africa. The Super Prep-Corn Meeting of the African Process – the Marine and Coastal Segment of the NEPAD. 17-19 June, 2002, Nicon Hilton, Abuja, Nigeria.
- ACOPS/IOC/UNEP. Development and Protection of the Coastal and Marine Environment in Sub-Saharan Africa. Third Meeting of the Working Group on the Programme of Interventions (WGPI-II), Phase III, 13-16 May, 2002, Abidjan, Cote d'Ivoire.
- ACOPS/IOC/UNEP. Development and Protection of the Coastal and Marine Environment in Sub-Saharan Africa. Second meeting of the Working Group on the Programme of Interventions (WGPI-II), Phase II, 18-20 February, 2002, Accra, Ghana.
- IOC/UNESCO International Workshop on Harmful Marine Microalgae in West Africa' University of Ghana, Legon. 29 October – 3 November, 2001.

Ofori-Danson, P.K.

- Seminar on presentation of JICA Marine Fisheries Study Report, 13th November, 2002. Noguchi Memorial Institute for Medical Research, Legon.
- Forum on upgrading Mathematics and Science education in Ghana: needs and implications for workforce development. Organized by the Africa-America Institute's African Perspective Forum, 15th April, 2003. Labadi Beach Hotel, Accra.
- International Day of Biological Diversity Press Conference (Resource Person), 12th May, 2003. Ministry of Environment and Science, Accra.
- Stakeholders' Workshop, Guinea Current Large Marine Ecosystem (GCLME) – Ghana Demonstration Project, 29th –30th May, 2003. Bay View Hotel, Accra.
- First African Regional Group of the International Association of Aquatic and Marine Science Libraries and Information Centres (IAMSLIC) Conference, 4th July, 2003. STEPRI-CSIR, Accra.

Wiafe, G.

- ODIN-AFRICA II national Workshop on Ocean Data and Information Management in Ghana. Marine Fisheries Research Division, Ministry of Food and Agriculture, 15th – 16th August, 2002, Accra, Ghana
- Training Course on Climate Change: an African perspective, World Bank Programme for Africa. GIMPA – Distance Learning Centre. 10th – 26th September, 2002, Accra, Ghana.
- National Workshop on Raw Water Quality Standards for Ghana. Water Research Institute (CSIR). 30TH September 2002. Accra, Ghana.
- JICA/GHANA Marine Fishery Study Report Presentation Seminar, Noguchi Memorial Institute for Medical Research, Legon, Ghana. 13th November, 2002.
- Meeting of Transboundary Diagnostic Analysis Task Team of the Guinea Current Large Marine Ecosystem Project. 5 -6, April, 2003. Accra, Ghana
- UNIDO/UNEP/MES/US-NOAA Meeting of Regional Technical and Scientific Task Team and Regional Steering Committee for Gulf of Guinea Large Marine Ecosystem Project. 8 – 11th April 2003, Accra, Ghana.

- UNESCO/IOCEA Training Workshop on Harmful Algae in West African Coastal Waters, 29th October – 2nd November 2001. University of Ghana, Legon.

Nunoo, F.K.E.

- UNESCO/IOCEA Training Workshop on Harmful Algae in West African Coastal Waters, 29th October – 2nd November 2001. University of Ghana, Legon.
- 31st Marine Benthic Ecology Meeting, 21-24th March 2002, Orlando, Florida, USA. Hosted by the Florida State University.
- UNIDO/UNEP/MES/US-NOAA Meeting of Regional Technical and Scientific Task Team and Regional Steering Committee for Gulf of Guinea Large Marine Ecosystem Project. 8 – 11th April 2003, Accra, Ghana.

Addo, S.

- IOC/UNESCO International Workshop on Harmful Marine Microalgae in West Africa. University of Ghana, Legon. 29 October – 3 November, 2001.

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, Kwabinya, to help mainly with Levels 100 and 200 Practicals 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 (2002/2003)

Level 100	945
Level 200 (Mathematical/Physical/Earth Science Option)	107
Level 200 (Biological Science Option)	516
Level 300	27
Level 400	19
M.Phil. Part I	3
M.Phil. Part II	2
Ph.D.	1

Staff Position

Prof. J. K. A. Amuzu	Professor
Prof. 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. Adeye	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.

Publications

Oduro-Afriyie, K.

- (2002): Introductory Physics for Students in Tertiary Institutions Vol. 1, Ducor Publishers, Accra, Ghana
- J. K. Amoako, K. Owusu-Ansah & K. Oduro-Afriyie (2002): - Analysis of Soil Temperature Harmonics and Filtering Characteristics: - J. Appl. Sci. & Technol., Vol. 7, Nos. 1 & 2, pp. 8-13.
- S.Y. Mensah, F.K.A. Allotey, N.G. Mensah, and G. Nkrumah (2003):- Giant Electrical Power Factor in Single-Walled Chiral Carbon Nanotube, Superlattices and Microstructures, 33 173.

Conferences/Seminars/Workshops

Nkrumah, G.

- Faculty of Science Colloquium on "The Role of Science in Wealth Creation." 29-30 April, 2003, Accra, Ghana.
- 5th Regional College on "Modeling, Simulation and Optimization." 3-13 June 2003; Accra, Ghana.
- 9th Edward A. Bouchet / Abdus Salam Regional College on "Functional Analysis, Differential Equations and Applications." 7-18 July 2003; Accra, Ghana.

Oduro-Afriyie, K.

- Advanced Leadership Seminar; 30 May – 27 June 2003, Haggai Institute, Maui, Hawaii, USA.

Kakane, V.C.K.

- Advanced Leadership Seminar; 30 May – 27 June 2003, Haggai Institute, Maui, Hawaii, USA.

Adeleye, M.

- 5th Regional College on "Modeling, Simulation and Optimization." 3-13 June 2003; Accra, Ghana.
- 9th Edward A. Bouchet / Abdus Salam Regional College on "Functional Analysis, Differential Equations and Applications." 7-18 July 2003; Accra, Ghana.

Hughes, A.F.

- Faculty of Science Colloquium on "The Role of Science in Wealth Creation." 29-30 April 2003, Accra, Ghana.

DEPARTMENT OF STATISTICS

Overview

There have been no significant developments in the Department in the past year (2002/2003).

Our facilities continue to support excessive usage by other University departments, schools and institutes. This has led to significant increase in maintenance cost.

Our desire to build adequate Computing and Audio-Visual facilities has not been realized. All computers in our laboratory have broken down as a result of heavy usage by students, though a lot of money has gone into their maintenance. We would welcome help in replenishing our stock.

One lecturer who was away on study leave returned at the beginning of the academic year.

Two of our Teaching Assistants, Mr. F.O. Mettle and Mr. E.N.N. Nortey were appointed Tutors in the second semester. We continue to receive valuable help from them.

Brief Summary of Courses Offered

The Department offered courses under the programmes leading to the award of B.Sc., BA and M.Phil in Statistics.

The courses covered areas such as Statistical Methods, Probability Theory, Sampling Theory, Design of Experiments, Data Analysis, and Non Parametric Inference.

Student Numbers

Level	200	181
Level	300	91
Level	400	43
M.Phil		6
Ph.D		1
Service Courses for Biologist		547
TOTAL	..	869

Staffing Position

The break down of staff at post was:

- 1 Senior Lecturer
- 2 Lecturers
- 3 Part-Time Lecturers
- 1 Senior Staff
- 5 Junior Staff

Research/Project

Danso-Manu, Marjorie

- An Information System for Health Intervention Programmes.

Atsem, F.K.

- Long run growth rates in oscillatingly ergodic populations.

Aka, I.G.

- Manuscript on Sample Survey Methods. Manuscript on Design and Analysis of Experiments.

Publications

None for the year under review.

Conferences/Seminars

None for the year under review.

Benefactions

1. FIND Actuaries and Consultants Ltd. of Abbey House, 25 Clarendon Road, Red Hill, Surrey, RHI, 1QZ, UK presented eighteen (18) Books and Manuals on Actuarial Statistics to the Department.
2. The Adventists Development Relief Agency (ADRA) also presented forty-eight (48) Books to the Department.

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). Two previously dormant postgraduate programmes, Freshwater Biology and Tetrapod Biology, were revised and approved by the Academic Board. The latter programme was renamed Biodiversity Studies.

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), carrying out work on limnology and ecotoxicology with the Volta Basin Research Project (VBRP). He also continues to lecture in the areas of Water Resource Management at the graduate level, and Freshwater Zoology at undergraduate level. Dr. D.K. Attuquayefio continued as Head of Department, and also the Executive Secretary of the VBRP. He also continued to teach Forest Resources Management in the Postgraduate Environmental Science Programme in addition to his departmental teaching and administrative responsibilities. He also continued to serve on the Academic, Faculty, and Medical School Boards, as well as the Admissions Boards of the Medical School and School of Allied Health Sciences of the College of Health Sciences. 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. Dr. D.D. Wilson was appointed as the Lead Person of a GEF/UNEP/CABI project titled "Removing Barriers to Invasive Plant Management" for which the department was made the Task Team Leader.

Courses Offered

The department offered courses at both undergraduate and postgraduate levels in such areas as vertebrate and invertebrate physiology and anatomy, ecology, genetics, pure and applied entomology, animal behaviour, evolution, parasitology and public health, aquatic biology, conservation biology, wildlife management, among others.

Student Numbers

Levels	Student Numbers
100	518
200	513
300	60
400	35
MPhil	2
PhD	3
Total	1131

Staffing Position

During the academic year under review, the breakdown of teaching staff at post was:
2 Associate Professors
5 Senior Lecturers

5 Lecturers/Research Fellows
1 Assistant Lecturer
3 Part-time Lecturers

Out of this number, 1 Senior Lecturer was on leave of absence.
There were 18 non-teaching staff comprising 7 Senior and 11 Junior Staff as follows:

10 Technical Staff (1 Chief Technician, 1 Principal Technician, 1 Senior Technician, 3 Technicians, 2 Assistant Technicians, and 1 Technical Assistant)
2 Administrative Staff (1 Principal Administrative Assistant, and 1 Clerk Grade I)
6 Support Staff (1 Departmental Assistant, 1 Driver Grade I, 2 Messenger / Cleaners, and 2 Temporary Gardeners) .

Research Projects

Attuquayefio, D.K.

- Faunal surveys of an oil palm concession at Kwae and Okumaning in the Kwabibirem District of the Eastern Region of Ghana, for the development of a Conservation Action and Management Plan, commissioned by Ghana Oil Palm Development Company (GOPDC) (November, 2002 and March, 2003)
- Faunal surveys of Tema and Aboadze in the Greater-Accra and Western Regions in connection with the West African Gas Pipeline Project, commissioned by the Volta River Authority (VRA) (December, 2002)
- Faunal surveys of the Aboadze-Tema Electric Transmission Lines Project in the Western and Greater-Accra Regions of Ghana, commissioned by the Volta River Authority (VRA) (2002)
- Gender and biodiversity conservation in the Central region, Ghana.

Ntiamoa-Baidu, Yaa

- Wetland ecology
- Ecology of water-birds, with particular focus on feeding ecology, distribution and population ecology.

Gordon, C.

- Integrated Water Resource Management
- Pipe borne water quality in Western Accra
- Environmental characterization 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.

- Continued research on the biology and integrated management of the sweet potato weevil.
- Continued work on the 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) in Ghana. Other collaborators were the Togo Ministry of Agriculture, and the Burkina Faso Ministry of Environment

Edoh, D.A.

- Bacteria resistance to antibiotics; formulation of protocol for mass monitoring in Ghana.
- Buruli ulcer; incidence and transmission in Ghana- in collaboration with Noguchi Memorial Institute for Medical Research (NMIMR).
- Sensitivity and Specificity of biomedical methods in disease diagnosis, in collaboration with private medical laboratories.
- Infertility in Ghanaian couples due to Microbial infections- in collaboration with Tema Women's Hospital.

Cobblah, M.A.

- Status of butterflies in a forest reserve in the Eastern region of Ghana.
- Effects of neemazal on growth and development of *Plutella xylostella*.
- House dust mites in the Tema Metropolitan Area, Ghana.
- Role of termites in soil movement in a deciduous forest in the Eastern Region of Ghana.
- Consultant to Phyto-Riker (GIHOC Pharmaceuticals Ltd., Ghana) on infested Phyto-Laria Herbal Tea samples.
- Insect identification services to farmers, students, scientists, etc.

Darpaah, G.A.

- Research work during the period covered the development of the 'exotic' *Penaeus monodon* that has currently been established in the Gulf of Guinea and in the Volta estuary. In this research, the culture potential of this economically important shrimp species is evaluated at three levels:
 - Ecotope preferences (emphasizing the ecology and biology of the shrimp species).
 - Competitive interaction with two locally occurring shrimp species, *Penaeus notialis* and *P. karathurus*.
 - Nutritional requirements (based on natural feed and prefabricated feed derived wholly from locally available feed stuffs)
- Supervised two MPhil dissertations supported by VRA/ University of Ghana Research Centre:
 - Growth responses of the pink shrimp, *Penaeus notialis* (Perez Farfante) to protein enhanced diets

Studies on the growth pattern of penaeid shrimp *Penaeus notialis* (Perez Farfante) in ponds manured with chicken droppings.

Kyerematen, Rosina A.K.

- Continued research work on Chironomids of Southern Ghana.
- Research work on the Chironomids of Amansuri Wetlands, Western Region of Ghana
- Survey of butterflies and other charismatic insects of the Amansuri Conservation Area, Western Region of Ghana

Yirenya-Tawiah, Dzidzo R.

- Initial stages of investigating the problem of genital schistosomiasis in women in the Lower Volta Basin.

Gbogbo, F.

- Research on the ecology of herpetofauna and small mammals
- One-month research training in shorebird research (colour ring reading, benthic survey, mist-netting, processing) at the Netherlands Institute of Sea Research (NIOZ)

Extension

Attuquayefio, D.K.

- Executive Secretary, Volta Basin Research Project, University of Ghana
- Continued consultancy services for the following organizations: Volta River Authority (VRA), 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
- Referee/Assessor, West African Journal of Applied Ecology (WAJAE) and Journal of the University of Science and Technology (JUST)
- Member, Board of the Faculty of Science
- Member, Academic Board
- Member, Admissions Boards for the Medical School and School of Allied Health Sciences (College of Health Sciences)
- Member, Board of the Friends of the National Zoo (FONZ)
- Internal Examiner (MPhil), Department of Anatomy, University of Ghana Medical School

Gordon, C.

Prof. Gordon continues to serve on various Boards and Committees including:

- 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, 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, 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 of Wetlands International
- Member, Executive Committee of Wetlands International
- Member, West Africa Steering Committee of Wetlands International
- Member Scientific Committee of Africat Project Land Ocean Interactions in the Coastal Zone (LOICZ, IGBP).

Wilson, D.D.

- Member of the National Water Hyacinth Control Committee
- Board Member, Friends of the National Zoo (FONZ)
- Chairman, Editorial Committee, Faculty of Science Colloquium 2003

Edoh, D.A.

- President, University Teacher's Association of Ghana (UTAG), Legon Branch.
- President, Senior Common Room, Mensah Sarbah Hall
- Tutor, Mensah Sarbah Hall
- Academic Advisor, Zoology Department
- Co-ordinator, MPhil Zoology (Parasitology) Programme
- Postgraduate External Examiner, Department of Biological Sciences, Kwame Nkrumah University of Science & Technology (KNUST)
- Postgraduate Internal Examiner, Ghana Medical School
- Continue membership of the following Associations.
 - American Society of Parasitologists (USA)
 - American Society of Cell Biologists (USA)
 - Swiss Society of Molecular Biologists (Switzerland)
 - Ghana Science Association
 - Ghana Association of Biomedical Scientists

Darpaah, G.A.

- Results from the Volta River Authority/University of Ghana Aquaculture Research station continues to be made available to prospective entrepreneurs in shrimp culture and tilapia culture free of charge.
- Offered advice on site selection and pond construction, under the local conditions to prospective small-scale entrepreneurs.
- Field training of undergraduate and postgraduate Marine Biology and Aquaculture students of the Zoology Department and Oceanography and Fisheries Department respectively, at the VRA/VBRP Fisheries Research Centre (Ada)

Kyerematen, Rosina A.K.

- Member, Editorial Committee, Faculty of Science Colloquium
- Member, Academic Board, University of Ghana
- Member, Board of the Faculty of Science
- Facilitator, WHO-AFRO Training Course for Middle Level Public Health Entomologists and Environmental Health Officers in Integrated Vector Management (6-14 October, 2003)
- Resource Person, Centre for School and Community Science and Technology Studies (SACOST)
- Consultancy services for Ghana Wildlife Society (GWS)
- Co-Executive Director, PROTECT, Ghana (an environmental awareness NGO).

Yirenya-Tawiah, Dzidzo R.

- Executive Secretary, Glofound Development Organisation

Publications

- Mzamo, K.B. & Attuquayefio, D.K. (1999) *Bufo regularis*: A potential threat to exotic dogs in Ghana. Ghana Journal of Science. 39: 73-75.
- 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.
- Attuquayefio, D.K. & Ryan, J.M. (in review) Taxonomic report on the mammals of two coastal wetlands in Ghana. West African Journal of Applied Ecology
- Wuver, A.M. & Attuquayefio, D.K. (in review) Human activities and biodiversity conservation in the Central Region of Ghana. West African Journal of Applied Ecology
- Winden, V.D.J., Nyame, S.K., Ntiamao-Baidu, Y. & Gordon, C. (2002) Black terns in Ghana. Results of an exploratory survey for future black tern Studies in coastal Ghana. Bureau Waardenburg bv Series, No.01-052, 61 p.
- Ntiamao-Baidu, Y., Zeba, S., Gamassa, D.M. & Bonnehin, L. (2001) Principles

- in practice. Staff observations of conservation projects in Africa. BSP, Washington 93 pp.
- Ntiamao-Baidu, Y., Asamoah, S., Owusu, E.H. & Owusu-Boateng, K. (2000) Avifauna of two upland evergreen forest reserves, the Atewa Range and Tano Offin in Ghana. Ostrich, 71: 277-281.
 - Ntiamao-Baidu, Y., Owusu, E.H., Asamoah, S. & Owusu-Boateng, K. (2000) Distribution and abundance of forest birds in Ghana Ostrich, 71: 262-268.
 - Ntiamao-Baidu, Y., Owusu, E.H. & Daramani, D.T. (2000) Terrestrial birds of the Muni Pomadze Ramsar site. Biodiversity and Conservation 9 (4) 511-525.
 - Ntiamao-Baidu, Y., Nyame, S.K. & Nuoh, A.A. (2000) Trends in the use of a small coastal lagoon by waterbirds: Muni Lagoon in Ghana Biodiversity and Conservation 9 (4) 527-
 - Diop, E.S., Gordon, C., Semesi, A.K., Soumare, A., Diallo, A., Giusse, A., Diouf, M., & Ayivor, J.S. (2001) Mangroves in Africa. In: Mangrove Ecosystems: Function and Management (L.D. de Laceda, Ed.) Springer-Verlag, Berlin, 292 pp.
 - 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
 - Gadelseed, A.M.A., Wilson, D.D., Ofei, S.A. & Cudjoe, A.R. (submitted) Distribution of adult *Bemisia tabaci* (Genn.) (Homoptera: Aleyrodidae) on different host plants. Journal of the Ghana Science Association
 - Osae, M.J., Cherry, J., Cobblah, M., Wilson, D. & Djegui, D. (submitted) Relative susceptibility of a West African diamondback moth population to a Kenyan isolate of *Plutella xylostella* granulovirus. Journal of the Faculty of Science, Legon
 - Wilson, D.D. & Awuni, S. (submitted) Biological control of giant salvinia, a mesocosm study. Journal of the Faculty of Science, Legon
 - Edoh, D. & Mensah, A. (2003) Bacterial resistance to antibiotics in Accra West, Ghana. GSA Abstracts Book Pg. 38
 - Edoh, D., Owusu Boateng, M. and Owusu-Baah, P. (2003) The influence of microbial infections on infertility in Ghana. GSA Book of Abstracts Pg. 84
 - East, Ghana. NMIMR Abstract Book Pg. 12
 - Cobblah, M. A., & Asante-Poku, A. (submitted) The Use of Insects in Traditional Medicine. .
 - Armah, A. K., Addo, S. & Darpaah, G.A. (in press). Aspects of the reproduction of cichlids associated with the "Acadja" system of the Keta Lagoon. Journal of Ghana Science Association.
 - Armah, A. K., Darpaah, G. A. & Addo, S. (in press) Food preferences of the cichlids associated with "acadjas" and open water of the Keta Lagoon. Journal of Ghana Science Association.
 - Gbogbo, F., Attuquayefio, D.K., Krobea-Asante, A. (in review) Rodents and herpetofauna as household pests in the Accra Metropolis, Ghana. .
 - Gbogbo, F. & Romeo, S. (2003) Faunal assessment of the Sefwi Wiawso District, Western Region of Ghana: Agroforestry, environmental care, job creation, and poverty reduction. Report to Ricerca e Cooperazione.

- Gyebi, A.M. & Kyerematen, R. A. K. (submitted) Three new Chironomid species from a man-made pond in Medie, a small settlement in the Greater-Accra Region of Ghana. Tijdschrift Voor Entomologie.

Conferences / Workshop / Seminars

Attuquayefio, D.K.

- Workshop on the Faculty Strategic Plan, organized by the Faculty of Science. Conference Room, Centre for African Wetlands (CAW), University of Ghana, Legon (12 September, 2003)
- Workshop on Review of Ghana's Environmental Education Strategy, organized by Conservation International (CI)- Ghana and the Environmental Protection Agency (EPA). Hibiscus Hotel, Abelemkpe (10-12 June, 2003).
- Faculty of Science Colloquium, Department of Biochemistry Annex, University of Ghana. Presented a poster (with A.M. Wuver, L. Enu-Kwesi & E.A. Gyasi) titled: "The Impact of Bushfires and other Human Activities on Biodiversity Conservation in a Coastal Wetland in Ghana" (29-30 April, 2003)

Gordon, C.

- International Mangrove Workshop (ITTO), Cartagena, Colombia, 19 – 22 February, 2002
- 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, Wageningen, The Netherlands 21 –22 April 2002
- 5th Pan African START Committee Meeting (START) Nairobi, Kenya, 27 – 29 June 2002
- 5th General Assembly of the International Society of Mangrove Ecosystems, Ho Chi Minh City, Vietnam, 20 –21 August 2002
- 4th Meeting of the Global Mangrove Database and Information System (GLOMIS) Ho Chi Minh City, Vietnam, 21 – 22 August 2002
- Regional Workshop on Education and Public Awareness on Wetlands (Wetlands International), Dakar, Senegal, 18 –20 September 2002.

Wilson, D.D.

- Faculty of Science Colloquium, University of Ghana, Legon. Presented a poster titled: "Biological control of giant salvinia, a mesocosm study" (29-30 April, 2003)
- Ghana Science Association 3rd Biennial Conference, KNUST, Kumasi. Paper presented: "Distribution of adult Bemisia tabaci (Genn.) on different host plants" (4-7 August, 2003)
- Technical Meeting on the EIA of the ECOWAS-Integrated Control of Floating Weeds. Conference Room, Ministry of Environment and Science, Accra). Led discussion on: "Status of Biological Control Programme for the Control of water Hyacinth and Water Lettuce in Ghana" (23 September, 2003)
- Stakeholders Workshop on IWMI Strategic Plan 2004-2008. STEPRI, Accra (9 October, 2003)

Edoh, D.A.

- 23rd Biennial Conference of Ghana Science Association, 4-7 August, 2003 (2 x Oral Presentations).
- 3rd Annual Research meeting of Noguchi Memorial Institute for Medical Research (NMIMR), 18-19 September, 2003 (Oral Presentation).

Cobblah, M.A.

- 3rd Global Taxonomic Workshop, Pretoria, South Africa (8-12 July, 2002)

Kyerematen, R.A.K

- Faculty of Science Colloquium, University of Ghana, Legon (29-30 April, 2003)

Yirennya-Tawiah, Dzidzo R.

- Faculty of Science Colloquium, Biochemistry Department Annex, University of Ghana, Legon (April 29-30, 2003)
- Annual Research Meeting, Noguchi Memorial Institute for Medical Research (NMIMR), University of Ghana, Legon (2003)

Benefactions

The Department is very grateful for the donation of over 40 assorted textbooks on biology, ecology, environmental science, animal behaviour, and genetics from Tufts University, USA.

FACULTY OF SOCIAL STUDIES

Introduction

The Faculty of Social Studies consists of the following 9 teaching departments:

- i. Archaeology
- ii. Economics
- iii. Geography and Resource Development
- iv. History
- v. Information Studies
- vi. Political Science
- vii. Psychology
- viii. Social Work
- ix. Sociology

A tenth department, namely, Nursing, was hived off from the Faculty in July 2003 to become the School of Nursing under the College of Health Sciences.

In addition to the teaching departments, the Faculty is responsible for approving the academic programmes and handling applications for promotion of the senior members of the following:

- i. Institute of African Studies (IAS)
- ii. Institute of Statistical, Social and Economic Research (ISSER)
- iii. Institute of Adult Education (IAE)
- iv. Regional Institute of Population Studies (RIPS)
- v. School of Communication Studies (SCS)
- vi. Legon Centre for International Affairs (LECIA)
- vii. Centre for Social Policy Studies (CSPS)
- viii. Centre for Remote Sensing & Geographic Information Services (CERSGIS)

The Faculty is arguably the largest in terms of students' size. The student population is close to 8,531, made up of 8,000 degree and non-degree students and 531 graduate students. There are 187 teaching faculty which ranks second to that of the College of Health Sciences.

Mission statement of the Faculty

The mission statement of the Faculty is a derivative of that of the University which is to "develop world-class human resources and capabilities to meet national development needs and global challenges through quality teaching, learning, research and knowledge dissemination". In fulfillment of this mission, the Faculty is to make teaching, research and extension activities in the social sciences more relevant to the developmental needs of Ghanaian society in particular and the world in general.

Some major strengths and opportunities

Some of the major strengths and opportunities of the Faculty include the following: (i) diverse collection of experienced academic staff drawn from the different disciplines; (ii) attractive courses most of which are heavily subscribed by both local and international students; (iii) high demand for both graduate and undergraduate courses; (iv) academic staff whose research works have been published as books and articles in reputed international journals; and (v) publication of the Ghana Social Science Journal, regarded as one of the best in African academic circles.

Problems facing the Faculty

The major problem facing the Faculty is inadequate lecture and office space. Almost all the teaching staff of Departments /Institutes /School/ Centres are paired, which is not the ideal arrangement for effective academic work. It is envisaged that the problem of lecture and office space will be somehow solved with the proposed construction of two additional lecture theatres and the Faculty of Social Studies Complex Building.

Faculty Executive

This includes the Dean, Directors of Institutes/School/Centres and Heads of Departments.

Office of the Dean

Dean: Joseph R.A. Ayee, BA; MPA (Ghana); PhD (Hebrew University of Jerusalem)
Faculty Officer: Christopher Amehoe, BA (Sec.); Dip. Ed. (Cape Coast); MA (Ghana)

Directors of Institutes /School/ Centres

Institute of African Studies (IAS): Takyiwaa Manuh, LLB (Ghana); LLM (Dar-es-Salaam); PhD (Indiana).

Institute of Statistical, Social and Economic Research (ISSER):

E. Aryeetey, BA (Econ)(Ghana); MSc (KNUST)

Institute of Adult Education (IAE): Kate Adoo-Adeku (acting), MPhil (Ghana)

Regional Institute of Population Studies: S.O. Kwankye, BA; MA; M.Phil (Pop Stud) (Ghana).

School of Communication Studies: K. Ansu-Kyeremeh, BEd (Cape Coast); Grad. Dip (Lib) (Ghana); MSc Mass Comm. (Lagos); M.Ed. (Alberta); PhD (La Trobe)

Legon Centre for International Affairs (LECIA):

C.E.K. Kumado, LLB, LLM (Ghana) BL

Centre for Social Policy Studies (CSPS): Nana Araba Apt, BA (Queens); MSW (Tor); PhD (Ghana).

Heads of Departments

Archaeology:

J. Boachie-Ansah, BA; M.Phil (Ghana)

Economics:

Kwabia Boateng, BA; MSc (Ghana); PhD (Dalhousie)

Geography and Resource Development:

P.W.K. Yankson, BA (Ghana); MOP (McG);
PhD (Nott); Post-Grad. Dip. (ITC Enschede)

History:

N.J.K. Brukum, BA; MA (Ghana); PhD
(Toronto)

Information Studies:

P.T. Akotia, BA; Dip Arch Stud: MA (Ghana);
PhD (Lond)

Political Science:

K. Boafo-Arthur, BA (Ghana); MA (Carleton);
PhD (Ghana); BL (Ghana)

Psychology:

R. Akuamoah-Boateng, BA (Ghana); MA (N);
PhD (Cantab)

Social Work:

Nana Araba Apt, BA (Queens); MSW (Tor);
PhD (Ghana)

Sociology:

Clara Fayorsey, BA; MA (Ghana); PhD
(Cantab).

DEPARTMENT OF ARCHAEOLOGY

Overview

During the 2002/2003 Academic Year, the Department of Archaeology continued to provide teaching, research and extension services within the constraints presented by increasing number of students and limited resources. The Ghana Bead Society, with funds granted by the U.S. Ambassador in Ghana, and assisted by Mrs. Anky Mulder, a museum expert sent by the Netherlands Management Co-operation Programme, Dr. Joana Casey, a visiting Scholar from University of South Carolina and the Technical Staff of the Department, rearranged exhibits and built new show cases as part of on-going renovation works to transform the Department's Museum into an attractive Teaching and Public Museum. The Museum was officially opened by the U.S. Ambassador in Ghana, Her Excellency Mary Carlin Yates, on 29th April 2003.

The Department hosted two Visiting Scholars, Dr. Alexandra Vivien Wilson from the School of Historical Studies, University of Birmingham, and Prof. Joanna Casey, from the University of South Carolina.

Courses

A wide range of courses was offered at both undergraduate and postgraduate levels.

Student Numbers

Student enrolment in the various programmes in the Department was as follows:
Level 100 827

Level 200	366
Level 300	106
Level 400	41
M. Phil I	3
M. Phil II	1

Staff

Full-time academic staff comprised:

Professor (on post-retirement contract) – 1

Senior Lecturers – 3 (one on post-retirement contract).

Lecturers – 2

Dr. Kodzo Gavua, a Senior Lecturer, was nominated by the Vice-Chancellor as a Visiting Research Scholar to the Indiana University for the 2002/2003 Academic Year. He was also granted an additional one year sabbatical Leave.

Research

Boachie-Ansah, J.

- Analysed materials from the Brockman Danish Plantation Site and excavated the slave site at Kasana.

Anquandah, J.R.

- Continued as Co-ordinator, Research Committee of the National Slave Route Project.

Bredwa-Mensah, Y.

- Took part in excavations at Skelhøt Bronze Age Burial Mound at Tobøl, Jutland, Denmark, under the auspices of the Danish National Museum, Copenhagen; Museum of Sønderkov, Aarhus University, Moesgard, Historical-Archaeological Research Centre, Lejre and the Institute of Geography,
- Archival research and Documentation of data on slavery, Enslaved Africans and the Danish Plantations on the Gold Coast at the Danish National Archives and the Royal Library, Copenhagen, Denmark, August 2003.
- Excavations of the Slave Site at Kasana, Upper-West Region, Ghana.

Okoro, J.A.

- Salaga Research Project: Continuation of mapping wells and water cisterns in Salaga Town, January 2003.
- Kasana UNESCO Slave Route Project: Archaeological and ethnographic investigations, February to March 2003.

Osei-Tutu, B.

- Doctoral dissertation research involving archival research and interviews regarding the different perspectives Ghanaians and African Americans have on the recent Restoration and Commodification of Ghana's Slave Castles.

Conferences/Seminars/Workshops

Boachie-Ansah, J.

- Attended Old Accra Development Conference, February, 2003.

Osei-Tutu, B.

- Attended Old Accra Development Conference, February, 2003.
- Presented a paper: "Monuments and the Experience of Historical Reality: African Americans and Ghana's Slave Castles on a Transnational Landscape" at the 5th World Archaeological Congress in Washington, D.C., June 21 – 26, 2003.

Publications

Anquandah, J.R.

- 2003: Beads in the Archaeological Record in The Bead is constant Ed. By A. Wilson, pp. 112 – 118, Ghana Universities Press.
- 2003: The Arts of Koma-Bulsa in Ghana – Yesterday and Today, pp. 135 – 150 Musee Dapper, Paris.
- 2002-2003: A series of weekly articles on the Cultural Heritage of Ghana.

Osei-Tutu, B.

- 2002: The American Factor in the commodification of Ghana's Slave Castles in Transactions of the Historical Society of Ghana, New series, No. 6, pp. 115 – 133.
- Contested Monuments: Ghana's Slave Castles, Tourism and the Social Memory of the Atlantic Slave Trade. Forth-coming book chapter to be published in the Archaeology of Atlantic Africa and the African Diaspora edited by Toyin Falola and Akin Ogundiran, University of Rochester Press.
- Contested Monuments: African Americans and the Commodification of Ghana's Slave Castles. Forthcoming in Confronting Social Issues, edited by Jay Havisser and Kevin Mac Donald, Routledge Press, London.

Okoro, J.A.

- 2003: Report on investigations at Kasana, Upper-West Region Ghana. Submitted to UNESCO.
- 2003: Research on Water and Slaves in Salaga in Nyame Akuma, No. 59, pp. 45 – 63.
- 2003 :Archaeology Water and Tourism in Kasana in The Ghanaian Times, May 14 and 15 editions, p. 5 Accra: New Times Corporation.
- 2003: :Archaeological Research at Salaga in The Ghanaian Times, April 8, 9, and 10 editions, p. 5, Accra: New Times Corporation.

DEPARTMENT OF ECONOMICS

Overview

The Department of Economics is one of the Departments under the Faculty of Social Studies. During the year under review, the Department offered Bachelor's Degree in Economics, Master of Philosophy in Economics and Master of Arts in Economic Policy Management. It also served other departments and the City Campus of the University of Ghana.

Taught Courses

2.1	Level 100
2.2	Level 200
2.3	Level 300
2.4	Level 400
2.5	M.Phil Economics
2.6	MA. Economic Policy Management

Student Number

Undergraduate

Level 100	632
Level 200	581
Level 300	268
Level 400	193
Total	1674

Postgraduate

M.Phil Econ (Year I)	29
M.Phil Econ (Year II)	18
MA. EPM	
Total	47

Staff Position

Senior Members

The Department had seventeen (17) full-time lecturers and four (4) part-time lecturers. Out of the full-time lecturers, one (1) is on Sabbatucak leave. The list of senior members is attached.

Senior Staff/Junior Staff

The Department had three (3) senior staff and four (4) junior staff.

AERC-Collaborative Masters Programme for Anglophone Africa excluding Nigeria

The Department presented eighteen M.Phil 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 2003.

Publication and Research Activity

Baah-Boateng, W.

Publication and Research Activity

- Poverty Alleviation and Trade Unions in Africa; the Case of Ghana ILO publication forthcoming.
- With Prof. A. Baah-Nuakoh's "Studies on the Ghanaian Economy, Vol. 3" Chap 5: Woeli Publication Services 2003.
- Andrew Muller Edited: "Growth and Transformation of Small Manufacturing Firms in Africa: Insight from Ghana, Kenya and Zimbabwe" A member of Ghana Research team. ACEG Publication 2003.

Turkson, F.E.

Publication and Research Activity

- Andrew Mullei Edited: "Growth and Transformation of Small Manufacturing Firms in Africa: Insight from Ghana, Kenya and Zimbabwe". A member of Ghana Research team.

Akoena, S.K.K.

Publication and Research Activity

- Improving Road Transport Fuel Efficiency and Consumption in Ghana'- GIMPA Journal of Leadership, Management and Administration, Vol. I, No. 2, June 2002 (with D. K. Twerefou)
- 'Financial Intermediation for the poor Credit Demandn by Small and Medium Scale Enterprises in Ghana" IFLIP Research Paper No. 02-6 (March 2002), ILO, Geneva (with A. F. Gockel).
- Towards a strategic National Energy Plan for Ghana - A Base-year Energy Balance for 2000', Ghana Journal of Consumer Affairs, forthcoming (with D. K. Twerefou).

Economics Department Annex Project

The Department embarked on the construction of its Annex which is located in between the Departments of Philosophy/Religions and the Balme Library Annex.

The Honorable J. H. Mensah (Senior Minister) cut the sod on 20th December 2002 for the commencement of the First Phase of the project.

The proposed Annex upon completion would house the Master of Arts (Economic Policy Management Programme) as well as provide the following facilities: Offices for Lecturers, Library, Computer and Conference Centre, Office for Alumni Relations and Office for the Economic Society of Ghana.

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. Projects based in the Department as well as Laboratory facilities continue to 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 as well as for graduate studies and research. Computing facilities for undergraduate studies are non-existent in the Department.

Courses (2002/2003 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 etc. 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/IWMI	"	F

Student Numbers

Category	Number		
Undergraduates	2000/2001	2001/2002	2002/2003
Year 1 (Level 100)	254	210	364
Year 1 (Level 200)	30	30	32
Year 2 (Level 200)	197	250	365
Year 3 (Level 300)	119	174	210
Year 4 (Level 400)	177	101	165
Graduates			
M.Phil (I, ii, iii)	44	27	18
Ph.D	10	6	8
Foreign Students	11	25	21

Staff Position

There were fourteen (14) Senior Members, four (4) Senior Staff and seven (7) Junior Staff at post under the headship of Professor Paul W.K. Yankson. There were 3 part-time lecturers to supplement teaching.

Staff (2002/2003)

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
Dr. E. Morgan Attua	Lecturer
Mr. B.D. Ofori	Research Fellow

* On sabbatical leave from January 2003

Part-Time Lecturers

Prof. L.A. Dei
Mr. E.Kusi-Minkah
Dr. Richard Y. Kofie

Visitors to the Department

During the year under review, the Department received a number of visitors including:

In October 2002, (October 1-20, 2003) Prof. Jan Erik Gustaffsen from the Royal Technical Institute (KTH), Stockholm was in the Department to give a short course on International Water Management. During the same period Mr. Thomas Alvateg, a Ph.D student from KTH was also here and participated in the seminar but spent most of the time on his Ph.D project on: Ground water Protection and Management in Regional Planning for Greater Accra Metropolitan Area. They were here in the framework of Linneaus – Palme Exchange Programme between the Department of Geography and Resource Development, University of Ghana and KTH, Stockholm, Sweden.

Forty-five (45) level 400 students mainly from Geography and Resource Development participated in the course. It was a very successful course. Course participants

were awarded certificate of participation at the end of the course.

In late February 2003, a delegation comprising Professors Asbjourn Aase, Ragnhild Lund and Stig Jorgensen, from the Department of Geography, Norwegian National Technical University (NTNU), Trondheim, Norway were in the Department for a kick-off meeting with the Departments of Geography and Resource Development, Legon and Geography and Tourism, University of Cape Coast. This was in the framework of research collaboration between the 3 institutions in a NUFU funded project (2003-2007) titled "New Faces of Poverty of Ghana"

In the same month, a delegation from the University of South Dakota to the University of Ghana visited the Department. Professors Zeno Wicks, Jon Jenks and Bob Watrel had discussions with the Head of Department and other faculty members of the Department on possibilities of staff and student exchange and possible research collaboration between the Department and its counterpart in South Dakota.

In June 2003 the Department received Mr. Cliff Missen and Prof. McNulty from the University of Iowa in the context of University of Ghana and University of Iowa collaboration especially on the possibility of extending the Wideract Project of the University of IOWA to University of Ghana.

In July 2003, Prof. Ben Ofori Amoah, Chair of the Department of Geography and Geology, University of Wisconsin, Stephens Point, spent two weeks in the Department to develop further with the Department, a proposal for the establishment of a GIS Education Centre at the Department.

Research

Yankson, P.W.K.

- Decentralisation, urban governance and street trading in central Accra.
- The dynamics of environmental management of peri-urban Accra (With Dr. Kate Gough, University of Copenhagen).
- Globalisation, liberalisation, and urban restructuring: A Study of social and spatial polarisation in Accra (With Prof. R. Grant, University of Miami).
- Tenancy dynamics and housing production in Accra.
- The management of off-reserve tree resources in the Goaso District of Ghana (With Colleagues in Dept. of Geography and Resources Development).
- Socio-economic characteristics of students of tertiary institutions in Ghana (with Prof. N.N.N. Nsawah-Nuamah, University of Ghana).

Songsore, J.

- Completed joint study on a "State of Environmental Health Report of the Greater Accra Metropolitan Area (GAMA) 2001"
- Ongoing Work on Disasters and Risk Accumulation in Urban Areas
- Privatization of Utility Services and Access by the Urban Poor

Nabila, J.S.

- Incidence and spread of buruli ulcers in Ghana.

- Advocacy and information education and communication (IE and C) strategies for adolescent sexual and reproductive health in Ghana.
- A study of trafficking of women in Ghana with special reference to the Netherlands and Italy. Sponsored by the International Migration Organization.
- Socio-economic impact of HIV/AIDS in Ghana with Dr. Kweku Yebuah, Dr. Phyllis Antwi and Mr. Stephen Kwankye.

Ardayfio-Schandorf, Elizabeth

- Conducted a study on Women Natural Resources and Access to Credit

Gyasi, E.A.

- Research continued to focus on agricultural and rural development dynamics and agrobiodiversity management. Mainly it proceeded under the United Nations University Project on 'People, Land Management and Environmental Change (Now, 'People, Land Management and Ecosystem Conservation) - UNU/ PLEC. I continued to lead and co-ordinate UNU/ PLEC work in Ghana.
- Collaborative work also continued with Conservation International (CI) and the International Plant Genetic Resources Institute (IPGRI).

Addo, S.T.

- I am investigating the contribution of the Mate Korle's, that is, Sir Emmanuel Mate Kole and Oklemekuku Azu Mate Kole, both Paramount Chiefs to environmental Management in Manya Krobo between 1892 and 1952.

Ofori-Sarpong, E.

- Climate change and its effect on agriculture, water resources and the environment.

Awadzi, T.W.

- The role of termites in soil formation in the moist semi-deciduous forest zone of Ghana with Prof. Henrik Breuning-Madsen, Institute of Geography, University of Copenhagen, Denmark and Millicent A. Cobblah, Department of Zoology, University of Ghana.
- Harmattan Dust – distribution and plant nutrient contents with Prof. Henrik Breuning-Madsen, Institute of Geography, University of Copenhagen, Denmark.

Asiedu, A.B.

- Currently involved in a 2_year International Research Project on Deforestation in the Asunafo District in the Brong Ahafo Region, together with the International Institute for Geo-information Science and Earth Observation (ITC), Enschede, The Netherlands, University of Freiburg in Germany and the Resource Management Support Centre (RMSC) of the Forestry Commission of Ghana with financial assistance from the Tropenbos International Organization of the Netherlands.

Awumbila, Mariama

- Gender equity, rural livelihoods and land tenure reforms in Ghana.
- Developing an African gender and development index.
- Breastfeeding and HIV/Aids response strategies in Ghana.
- Gender and fertility decline in Ghana.

Agyei-Mensah, S.

- The Geography of HIV/AIDS in sub-Saharan Africa/Ghana.
- Spatial patterns of mental health in Accra, Ghana.
- Public and private partnership in health care delivery in Ghana. The changing population of Ghana
- Population, development and environment in metropolitan Accra: A two-phase study.

Attua, E. M.

- Land-cover change in the northern savanna transition zone in Ghana – (completed).
- The menace of weeds and the political ecology of agricultural production in Ghana – (ongoing).
- Geoinformation applications for off-reserve tree management in Goaso District, Ghana. – (ongoing).

Extension and Other Activities**Yankson, P.W.K.**

- External examiner, Department of Geography and Tourism, University of Cape Coast.
- External assessor for promotion, Kwame Nkrumah University of Science and Technology, Kumasi.
- Member, National Inter-Sectoral Working Group: National Urban Development Programme.
- Reviewer for the West Africa Journal of Applied Ecology

Songsore, J.

- Member, international scientific advisory board (ISAB), NCCR North-South, University of Berne, Switzerland
- Chairman, Wa Polytechnic Council
- External examiner, Midlands State University, Gweru, Zimbabwe

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
- Member of Trustees of the Ghana Institute of Engineers: Engineering Innovation and Research Foundation.

Gyasi, E.A.

- Co-ordinating Leader, PLEC-Ghana (West Africa cluster of the United Nations University Project on 'People, Land Management and Ecosystems Conservation' – UNU/PLEC'
- National Focal Point/Person, IPGRI (International Plant Genetic Resources Institute) Project on 'Community-Based Management of On-Farm Plant Genetic Resources in Arid and Semi-Arid Areas of Sub-Saharan Africa'
- Member, Akuapem Campus Implementation Committee, Presbyterian University College.

Ofori-Sarpong, E.

- Chairing nine major Committees of the University.
- Gave three public lectures on the 50th anniversary of Konongo-Odumasi Secondary School

Agyei-Mensah, S.

- Member, International Advisory Board, population environment research network of the International Union for the Scientific Study of Population (IUSSP).
- Assistant editor, Bulletin of the Ghana Geographical Association
- Reviewer for the Journal of Biosocial Science, U.K
- Tutor Legon Hall
- Secretary, NUFU Project, The New Faces of Poverty in Ghana

Attua, E.M.

- Board of Faculty of Science – member
- Trade and Environment committee – member

Publications**Yankson, P.W.K.**

- P.W.K.Yankson (2000) "Open Space Farming Within Urban Areas: The Case of Accra, Ghana" Bulletin of Ghana Geographical Association Vol. 22 pp 41-55.
- R. Grant and P. Yankson (2003) " City Profile: Accra" Cities Vol. 20 (1) pp 65-74.
- P.W.K. Yankson and N.N.N. Nsawah-Nuamah (2002) Socio-Economic Background of Students in Tertiary Institutions in Ghana (A Report Prepared for the National Council for Tertiary Education/ Ministry of Education, Ghana 32pp).
- P.W.K.Yankson Urbanisation, Industrialisation and national Development: Challenges and Prospects of Economic Reform and Globalisation (Inaugural Lecture March 27, 2003).

Songsore, J.

- Jacob Songsore: Towards a Better Understanding of Urban Change: Urbanization, National Development and Inequality in Ghana. (Ghana Universities Press, Accra 2003), 33 pp.

- Jacob Songsore: "The Urban Housing Crisis in Ghana: Capital, the State Versus the People", *Ghana Social Science Journal (New Series)*, Vol. 2, No. 1, May 2003, pp 1-31.
- Jacob Songsore & Gordon McGranahan, "Structural Adjustment, the Urban Poor and Environmental Management in the Greater Accra Metropolitan Area (GAMA), Ghana", *Bulletin of the Ghana Geographical Association*, No. 22, 2000, pp.1-14.
- With Others: "From everyday hazards to disasters: the accumulation of risk in urban areas", *Environment and Urbanization*, Vol. 15, No. 1, April, 2003, pp 193-293.

Nabila, J.S.

- Socio-Economic Impact of HIV/AIDS in Ghana with Mr. Kwaku Yeboah, Dr. Phyllis Antwi and Mr. Stephen Kwankye. Policy Project, Washington, 2002.
- The Migrant As an asset and/or a liability. Challenges and Opportunities for Development. May 2001 Inaugural Lecture. To be published by University Press.

Ardayfio-Schandorf, Elizabeth

- Ardayfio-Schandorf, E. and Asiedu, A.B. (2001). "The Tropical Environmental Pollution: The Need for Action" in E.N. Adinna (ed) "Tropical Environmental Pollution", Snaap Publishers, Enugu, Nigeria. Chapter 2.

Gyasi, E.A.

- Principal Editor, *Managing Agrodiversity the Traditional Way: Lessons from West Africa in sustainable use of biodiversity and related natural resources*, forthcoming book, UNU Press.
- Co-author, "Adding value to forest conservation by bee-keeping at Sekesua-Osonson demonstration site in Ghana" *PLEC News and Views, New Series* No. 1, March 2003 (<http://c3.unu.edu/plec/>; <http://rspas.anu.edu.au/anthropology/plec.html>).

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.

- Ofori-Sarpong, E. and Adu-Prah, S. (2003), Ecological region mapping of Ghana using NOAA-AVHRR NDVI Data. *Ghana Social Science Journal*, Vol. 2 No. 1, pp 32-46.

Kufogbe, S.K.

- Kufogbe S.K. and Gbedemah F.S. 2003, *The Trokosi Practice in Ghana: An Annotated Bibliography*, International Needs, Ghana.
- Kufogbe S.K. 2003, "Sustainable Development and Environmental Protection in Ghana", Paper delivered at a series of International Workshops organized under the International Visitor Program of the United States Department of State, Bureau of Educational and Cultural Affairs, in Washington DC, Knoxville Tennessee, New Orleans Louisiana and Portland Oregon, January 9 – 30 2003.
- Senaya, J.K. Kufogbe, S.K. and Dedzoe C.D. 2003 "Features of Land Degradation in the Sudan Savanna of Ghana: A case study in Bawku Area" Paper presented at the International Conference on Managing Soils for Food Security, Human Health and the Environment: Emerging Strategies for Poverty Alleviation at the 18th Annual General Meeting of the Soil Science Society of Ghana. GIMPA, Accra 27 July to August 2, 2003

Asiedu, Alex B

- Ardayfio-Schandorf, E. and Asiedu, A.B. (2001): "The Tropical Environment and Environmental Pollution: The Need for Action", in E.N. Adinna (ed) "Tropical Environmental Pollution", (Snaap Publishers, Enugu, Nigeria.) Chapter 2.
- Asiedu, A.B. (2003): "Tourism in Ghana – Development Trends and Critical Research Agenda for the Future", Legon Journal of Sociology, Volume 5 (forthcoming).

Awumbila, Mariama

- Benneh, G and Awumbila, M. (2003) *African Universities, the Private Sector and Civil Society: Forging Partnerships for Development*. Ghana Universities Press.
- Awumbila, M. (2003) "Women's Work and Access to Resources in a Stressed Savannah Environment" In Ardayfio-Schandorf, E. (ed) *Gender, the State and Environment in the Developing World*. Forthcoming.

Agyei-Mensah, S.

- Agyei-Mensah, Samuel & John B. Casterline (eds.) (2003) Reproduction and Social Context in Sub-Saharan Africa. Greenwood Press, Westport, CT, USA, 206 pages.
- Agyei-Mensah, Samuel & John B. Casterline (2003) Introduction. In Samuel Agyei-Mensah & J.B. Casterline (eds.). Reproduction and Social Context in Sub-Saharan Africa. Greenwood Press, pp. 1-5.
- Agyei-Mensah Samuel, A. Aase, K. Awusabo-Asare (2003) "Social Setting, Birth Timing and Subsequent Fertility in the Ghanaian South". In Samuel Agyei-Mensah & J.B. Casterline (eds.) (2003). Reproduction and Social Context in Sub-Saharan Africa. Greenwood Press, Westport, CT, USA, pp 89-108.
- Oppong, J. R & Samuel Agyei-Mensah (2003) "HIV/AIDS in West Africa: The Case of Senegal, Ghana and Nigeria" In E. Kalipeni, S. Craddock, J.R.

Oppong and Y. Ghosh (eds.) HIV and AIDS in Africa: Beyond Epidemiology. Malden, MA: Blackwell Publishers, USA., pp 70-82.

Attua, E.M.

- Land cover change impacts on the abundance and composition of flora in the Densu Basin – accepted for publication in West African Journal of Applied Ecology. (forthcoming).
- Agricultural land use impacts on the flora of the Densu Basin – submitted for publication in the Journal of Ghana Science Association.
- Ecological assessment of carbon sequestration and partitioning in regenerating fallow systems - submitted for publication in West African Journal of Applied Ecology.
- Land cover change in the Northern Forest-Savanna Transition of Ghana – in preparation.

Conferences and Workshops Attended

Yankson, P.W.K.

- Workshop on Urban Governance, Gender and Markets, Bamako, Mali, Sept.8-12, 2002.
Title of Paper Presented : “Decentralisation and Metropolitan Governance in Ghana- Street Trading and Environmental Management in Central Accra”.
- Geoinformation Management and Visualisation for Assessment and Modeling in Natural Resource Management. Workshop organised by ITC, Holland / CERSGIS, Department of Geography and Resource Development, University of Ghana, Legon 2-13 December 2003.
Fifteenth Danida Sahel Workshop 2003, Tunde Landboskole, Grevevej 20, 2670 Greve
Title of Paper Presented: (With Dr. Kate Gough): “Associational Life in Urban Ghana”
- Restructuring Seminar on Town and Country Planning Department The Way Forward. Little Acre Hotel, Aburi, 12-13 February, 2003.
Title of Paper Presented: “Planning Education in Ghana- the Way Forward”.

Songsore, J.

- Institute of African Studies and School of Public Health, University of Ghana Seminar on Gendered Family Dynamics and Health: African Family Studies in a Globalizing World, Accra, Ghana 1 – 3 October, 2002. I presented a paper titled: “Tenure, Housing and Environmental Management among Families in the Greater Accra Metropolitan Area, Ghana.”
- UNDP-IIED Meeting on Disaster Prevention in Urban Areas, Nairobi, Kenya, 6-11 January, 2003. I presented a paper titled “Environmental Health Watch and Disaster Monitoring in the Greater Accra Metropolitan Area, Ghana”.
- Workshop on “State of Environmental Health Report of the Greater Accra I presented the following Chapters of the Report: Metropolitan Area (GAMA) 2001”, February 10, 2003, Legon, Ghana.

I presented the following Chapters of the Report:

Ch. 1: Introduction

Ch. 2: Methods

Ch. 3: The Environmental Health Hazard Pathway

Ch. 4: Environmental Burdens and Spatial Variations in Levels of Risk Within the Metropolitan Region (sections of Water, Sanitation and Pests only).

Ch. 6: Towards Environmental Justice for All (section on Excess Burdens).

- NCCR North-South in cooperation with KFPE Scientific Symposium and ISAB Meeting, Thun, Switzerland, 12-14 June, 2003. I presented a paper titled, "Environmental Health Risk Accumulation in an African City: Approach and Summary of Findings for the Greater Accra Metropolitan Area, Ghana".

Ardayfio-Schandorf, Elizabeth

- Attended Workshop on "The Future of the Legal Pluralism Forum" at the Labadi Beach Hotel, Accra, August 6 - 7, 2003
Presented a Paper on "Gender, Culture and Leadership at the workshop on Gender Issues in the Financial Sector, Organized by the Gender Development Institute, Abokobi, Accra. 1st - 4th April 2003.

Gyasi, E.A.

- Conservation International Workshop on 'The Final Evaluation of a Three Year Conservation International (CI) Conservation Cocoa Agro-Forestry Project', Accra, 14 August 2003.
- PLEC-Ghana Stakeholders Workshop on 'Project Proposal: Sustainable Land Management for Mitigating Land Degradation, Enhancing Agricultural Biodiversity and Alleviating Poverty (SLaM) in Ghana', Legon, 21 July 2003.
- ISSER Roundtable Meeting on 'Encouraging Complementarities Between Qualitative and Quantitative Poverty Appraisal', Legon, 21-22 May 2003.
- Inter-Ministerial and Key Stakeholders' Meeting for the Implementation of the Global Plan of Action (GPA) Monitoring System in Ghana,' hosted by the Plant Genetic Resources Centre, CSIR, Bunso, 8 May 2003.
- Plant Genetic Resources Strategic Planning Workshop for Ghana', hosted by the Plant Genetic Resources Centre, CSIR, Bunso, 5-7 November 2002.

Addo, S.T.

- I participated in three workshops on Chieftaincy, Governance and Development, organized by the Institute of African Studies for chiefs from Volta, Eastern and Western Regions between August and November 2002. On each occasion, I delivered a lecture on the topic: "Ghana; the land, people and resources"

Awadzi, T.W.

- 17th World Congress of Soil Science. Bangkok, Thailand 13-21 August 2002. Paper Presented: "Traditional Farmers Utilization of the Sandy Soils of South Eastern Ghana.

Kufogbe S.K.

- International Visitor Program of the United States of America, organized under the International Visitor Program of the United States Department of State, Bureau of Educational and Cultural Affairs, Washington, D.C, January 9 – 30 2003.
- Pre-Project Workshop on Firefight; Organized by the World Conservation Union (IUCN) and the International Tropical Timber Organization (ITTO), Kumasi Ghana, 22 – 23 May 2003.
- Deaf Education HIV/AIDS Outreach Workshop organized by the US Peace Corps, at the Takoradi Beach Hotel Ghana July 13 –19 2003.
- National Conference on Bush meat Crisis in Ghana organized by Conservation International Ghana at the M Plaza Hotel, 28-29 August 2002.

Asiedu, A.B.

- Participated in an International Workshop on “Transitional Migration, Return and Development in West Africa” held at the University of Sussex, Brighton, U.K. from March 11-17, 2003. Presented a paper titled “Some Benefits of Migrants Return Visits to Ghana”
- Workshop Co-ordination for a training course on Public-Private Partnerships organised from the 4th - 15th November at the Institute of Local Government Studies, Madina, Accra.
- Participant, Workshop on “Geographic Information for Management of Forest and Tree Resources” held in Kumasi from 1-5 September 2003 and jointly organized and implemented by the International Institute for Geo-information Science and Earth Observation (ITC) Enschede, The Netherlands and Resource Management Support Centre (RMSC) of the Forestry Commission, Kumasi.

Awumbila, Mariama

- UNECA Training Workshop on Developing an African Gender and Development Index, Addis Ababa, Ethiopia, November 25-30, 2002
- Seminar on Gendered Family Dynamics and Health, Institute of African Studies, October 1-3, 2002.
- Workshop on “Coping with Unexpected Pregnancy: Experiences of Adolescents and Youth in Accra”, Sept 12, 2002, Novotel, Organised by National Population Council. (Discussant) .
- Workshops on Developing a Gender Policy for the Ghana Forestry Commission, February 17 – 18, 20 – 21, 2003 Wood Industries Training Center, Kumasi
- Workshop on “Encouraging Complementarities between Qualitative and Quantitative Poverty Appraisal”, Institute of Statistical, Social and Economic Research, May 21-22, 2003.

Agyei Mensah, S.

- Agyei-Mensah, S. (2003). HIV/AIDS and the Fertility Transition in Sub-Saharan Africa: Is there a Link? Paper Presented to the New Zealand Geographical Society, Canterbury Branch Seminar, Christchurch, New Zealand, 13th May 2003.

- Agyei-Mensah, S. (2003). The HIVAIDS Epidemic in Sub-Saharan Africa. Looking Back and Looking Forward. Paper Presented to the Workers Educational Association (WEA), Bishopdale Community Centre, Christchurch, New Zealand, May 2, 2003.
- Agyei-Mensah, S. (2003). The HIV-AIDS Epidemic in Sub-Saharan Africa. A Sober Reflection. Paper Presented at the Research Seminar, Christchurch School of Medicine and Health Sciences, University of Otago, New Zealand, 8th April, 2003.
- Agyei-Mensah, S. (2003). The Changing Geography of HIVAIDS in Ghana. Departmental Seminar, Department of Geography, University of Canterbury, New Zealand, March, 13, 2003.

Attua, E.M.

- Geoinformation management and visualization for assessment and modelling in natural resources management, organised jointly by ITC / Department of Geography / CERSGIS at the Department of Geography & Res Development, Legon, on 2nd –13th Dec 2002.
- Fundraising Fundamentals at Ghanaian Universities, organised by Carnegie Corporation and presented by Pamoja Inc. at the University of Ghana, Legon, on 21st 27th –May 2003.
- Geoinformation Information for Management of Forest and Tree Resources, organised by Tropenbos Ghana Programme /ITC/RMSC at Forestry Commission, Kumasi, on 1st – 5th September 2003.

APPENDIX A

UNITED NATIONS UNIVERSITY PROJECT ON PEOPLE, LAND MANAGEMENT AND ENVIRONMENTAL CHANGE (UNU/PLEC): END OR FIRST PHASE OF PLEC IN WEST AFRICA

By national and international networking, from the year 1993, the project, UNU/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 aim was 'to develop sustainable and participatory approaches to conservation, especially of biodiversity within small farmers' agricultural systems' for the purpose of enhancing food security.

With the University of Ghana as its primary management centre, and directed by Professor Edwin Gyasi, WAPLEC developed into a functional network of scientists who, in collaboration with policy agents, carry out relevant resource management work with farmers in eight principal agrodiversity demonstration sites in the Republics of Ghana and Guinée.

The WAPLEC work experience shows the efficacy of an interdisciplinary methodology, and feasibility of generating positive research synergies through institutional collaboration by networking.

A major output is the successful integration of farmers into PLEC, especially through farmer associations, in recognition of farmer resource management knowledge. The success suggests that this kind of integration is a possible strategy of mainstreaming indigenous resource management knowledge.

The WAPLEC success story is documented in various reports, published papers, and a forthcoming book, 'Managing Agrodiversity the Traditional Way: Lessons from West Africa in sustainable use of biodiversity and related natural resources'.

Funded primarily by the GEF (Global Environmental Facility), Phase I of PLEC work came to an end in the year 2002.

Preparations are under way for a PLEC phase II in Ghana, with a focus on the project theme, 'Sustainable Land Management for Mitigating Land Degradation, Enhancing Agricultural Biodiversity and Reducing Poverty (SLaM) in Ghana'.

ATTACHMENT B

IPGRI PROJECT ON 'COMMUNITY-BASED MANAGEMENT OF ON-FARM PLANT GENETIC RESOURCES IN ARID AND SEMI-ARID AREAS OF SUB-SAHARA AFRICA'

Through a network of researchers in Ghana and seven other sub-Saharan African countries, the GEF-funded project aims at improving the effectiveness of traditional farming systems for conservation of biodiversity of local and global importance. The purpose is to develop models for enabling environments for effective contribution of traditional farming systems in biodiversity conservation and measures to maintain

and promote wider adoption of viable system.

In Ghana, the project involves scientists from the University for Development Studies, Council for Scientific and Industrial Research, and the University of Ghana, which co-ordinates through the University Consultancy Centre and Professor Gyasi of the Department of Geography and Resource Development.

APPENDIX B

ACTIVITIES OF THE TEACHING AND RESEARCH LABORATORY OF THE REMOTE SENSING APPLICATIONS UNIT (RSAU) 2002/2003

Overview

The remote Sensing Applications Laboratory (RSAU) 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. The Department also handled Remote Sensing ESCL 605, using the facilities of the Lab.

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. Currently, the project is in its final phase and therefore it is on a much-

reduced budget. The DANIDA ENRACA project continues to provide support for M.Phil and Ph.D students using the facilities in the laboratory for their theses projects. Danida's funding is to be terminated in August 2004.

Research

The major research activities carried out in the laboratory were theses research projects by graduate students sponsored by the ENRECA and those not on ENRECA. During the year under review, Dr. Attua graduated. Dr. Osman Alhassan also completed corrections to his Ph.D thesis, which he successfully defended in September 2002.

On-going Theses Research Projects

Kufogbe, S.K.

- Modelling Land Use and Environmental Change in the Afram Plains of Ghana (on-going Ph.D Thesis project in Geography).

Opoku, P.

- Sustainable Utilisation of Agro-Ecological Resources in New Juaben Municipality (Ph.D Thesis in Botany in the final stages for submission).

Staff Research

Prof. P.W.K. Yankson, with the assistance of Albert Allotey, completed the research project on the use of GIS to model aspects of land degradation in the context of food production in selected study districts in Ghana.

During the year under review there was a preparatory activity to initiate a project on the use of GIS to monitor the moving frontier of the cocoa belt in the Western region of Ghana in collaboration with Niels Fold and Lasse Molle-Jensen both from the Institute of Geography, University of Copenhagen. Mr. Allotey is to undertake his Ph.D research project in the context of that project titled: Application of Remote Sensing and Digital Image Processing for Environmental Monitoring, Education and Research.

As part of the project, Mr. Albert Allotey had a 2-week training course in Geographic Information System and Spatial Modelling at the Institute of Geography, University of Copenhagen. He also had the opportunity to discuss his Ph.D project while there.

Visits

Niels Folds, Lasse Moller-Jensen and Jens Grundtmann visited the Lab in connection with a project titled: Application of Remote Sensing and Digital Image Processing for Environmental Monitoring, Education and Research. Jens carried out the preventive maintenance of the equipment in the Lab. They also undertook a field visit to the Western Region.

APPENDIX C

THE FAMILY AND DEVELOPMENT PROGRAMME (FADEP)

The Department of Geography and Resource Development continues to host the Family and Development Programme (FADEP), which was originally developed as a project of capacity building, training, research, policy analysis and dissemination. FADEP collaborates with relevant and appropriate organizations and institutions to undertake family and gender research and outreach programmes. It also provides expert advice to individuals, institutions and development agencies on family and development.

In the past year, FADEP has been involved in a bibliographic study on Gender, Family and Development in Ghana. It has also coordinated a study on Women, Natural Resources and Credit in Ghana in collaboration with the United Nations University/Institute for Natural Resources in Africa.

The FADEP Resource Centre holds relevant academic journals, bulletins and books on the family. It enjoys patronage from researchers, students, visitors and developmental 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 outreach objectives, PIP organized a number of population related seminars and workshops. The key ones among them were:

- The Population Impact Project (PIP) in collaboration with, The POLICY Project, The National Population Council Secretariat, and USAID organized a 5-day Capacity Building Workshop in Policy Analysis and Advocacy for Regional and District Population Advisory Committees (RPAC/DPAC) of the Volta Region. The workshop was the first one out of the two follow-up workshops planned to be organized for the above target group. The workshop took place between 20th – 28th January, 2003 at Woezor Hotel, Ho, in the Volta Region. As part of the training, participants were tasked to identify three major Reproductive Health, HIV/AIDS and other population issues confronting the Volta Region as a whole and their Districts in particular. The three major problems identified by the participants were; a) Education – falling standards at lower levels of education, b) Health – rising incidence of HIV/AIDS and related problems and c) Environment – waste management in the Ho District.
- The Population Impact Project organized a days ASRH Sensitization Seminar for six (6) FIDA- Ghana Members at Mensvic Palace Hotel, East Legon on 20th February, 2003. The women lawyers were exposed to the following areas ie. Population and Development with emphasis on health, education, environment, vulnerability of women and children. The rest were reproductive Health with focus on who adolescent is, ASRH including HIV/AIDS and their implication; Some Basic Measures of Population and Adolescent reproductive health Policy.
- Again, PIP organized a 3-day ASRH advocacy workshop for 14 FIDA-Ghana members. The training workshop was aimed at updating the FIDA members on pressing issues about Adolescent Sexual and Reproductive Health and the situation of HIV/AIDS and how to prevent the menace. It was also to equip the FIDA members with effective ways in understanding advocacy programmes at both national and community levels. The workshop was organized at Mensvic Palace Hotel, East Legon from 16th - 18th March 2003. FIDA-Ghana members are now using the skills they acquired from the workshop to train people at the district level as 'paralegals'.
- The Population Impact Project (PIP) in collaboration with the National Population Council Secretariat, Greater Accra Region organized a one day seminar for 28 heads of Departments and staff of the Ga District Assembly of the Greater Accra Region at the Assembly Hall of the Ga District Assembly,

Amasaman, on Wednesday, 12th March, 2003. The theme for the seminar was 'Promoting the Welfare of Ghanaians within the context of the set objectives of the National Population Policy, The Role of the District Assemblies'. The District was tasked to be actively involved in ensuring that population factors are carefully integrate into their development plans. The District Chief Executive (DCE), Mr. Samuel Nii Aryeeteh Attoh informed participants that the Ga District is faced with diverse problems, as the district is neither rural nor urban. The Assembly was tasked to encourage people to set up their own small-scale businesses since it is one surest way to development.

- The Population Impact Project (PIP), in collaboration with the National Population Council Secretariat (NPCS) Greater Accra Region, organized a sensitization seminar on Population with the theme, "Promoting the Welfare of Ghanaians within the context of the set objectives of the National Policy – The Role of the District Assemblies" The seminar was for 35 Heads of Departments and Staff of the Dangme West District Assembly. The venue was the Assembly Hall of the Dangme West District Assembly, Dodowa, on the 29th April, 2003. The District Assembly was tasked to initiate actions towards encouraging business enterprises to evolve workplace HIV/AIDS prevention programmes. During the open forum, a participant was of the view that poverty is one major factor that facilitates spread of HIV/AIDS. Both resource persons and participants shared the notion that HIV tests should be conducted at laboratories where counseling services are available. The chairperson was very grateful to PIP and NPC for the honor done to the people of the Dangme West District.
- The Population Impact Project gave a presentation on Adolescent Sexual and Reproductive Health and HIV/AIDS in Ghana, to 30 Paralegals on the 5th May, 2003. The presentation was given during a three-day's Legal Training for 'Paralegals' organized by the International Federation of Women Lawyers (FIDA) Ghana from 5th – 7th May 2003. It was held at the Presbyterian Women's Centre, Abokobi. PIP has consistently provided resource persons to make a presentation on ASRH including HIV/AIDS during similar district specific workshops organized by FIDA-Ghana. Some of them were: Cape Coast District from 3rd – 6th August, 2003 at Marco Hotel. PIP made a presentation on 5th August 2003; Elmina District from 6th to 9th August at Oyster Bay Hotel, PIP presented on the 7th August, 2003; Ewutu-Efutu-Senya District from 24th – 27th August, 2003 at the Winneba Sporting College, PIP presented on the 26th August 2003; 18th September at Jamasi of the Effigy-Sekyer District in the Ashanti Region; then on 22nd September, 2003 at Bosomtwe of the Bosomtwe-Kwanwoma District in the Ashanti Region. In all these presentations, PIP distributed booklets entitled 'adolescent Fertility and Reproductive Health in Ghana (revised edition 2000)' published by PIP to participants free of charge.
- The Population Impact Project, in collaboration with the National Population Council Secretariat, Greater Accra Region, organized a sensitization seminar on Population under the theme "Improving the Quality of Life of

Ghanaians, The Role of the Security Forces” The seminar was held on the 7th of May, 2003 at the Ghana National Fire Service at Makola in Accra. The seminar was under the chairmanship of the Chief Fire Officer, David Alinu, the Deputy fire Officer of the Greater Accra Region. In his remarks, he said that there had not been any reported case among any of the firemen in the Greater Accra Region as at the time he was speaking. He attributed this to the co-ordinated effort of the HIV/AIDS programmes instituted in the service, the establishment of the fire service ladies association and in fact the discipline among the firemen and women. In addition, he said that the personnel of the fire service in the Accra Metropolis have been given wallets that have a compartment where condoms could be stored. Besides, there is a condom distributor within their yard hence officers can purchase condoms without any difficulties. He also mentioned that occasionally educational materials that contain useful information on HIV/AIDS are distributed to the fire service personnel.

- A two-day ASRH advocacy training for AYA Media and Communication Advocacy Network (MCAN) on Advocacy Skills and Tools, was organized by Population Impact Project (PIP) from the 22nd – 23rd May 2003. The seminar was held at Maple Leaf Hotel, New Achimota, Accra. The ASRH advocacy-training workshop involved 40 AYA MCAN members. It was to equip participants with current issues about adolescent sexual and reproductive health so that participants can report or write feature articles on ASRH/ HIV/AIDS using factual and accurate information. Mrs. Rosemary Ardayfio, the leader of the MCAN group, promised that MCAN members will pay regular visits to the PIP library to upgrade themselves on population and reproductive health information whenever the need arises.
- PIP organized a one-day sensitization seminar on ASRH/HIV/AIDS for six (6) selected literature translators for FIA-Ghana. The seminar was held at the premises of the University of Ghana Guest Centre Legon on the 3rd of June, 2003. Participants were exposed to issues relating to HIV/AIDS so as to guide them while translating legal literatures into six Ghanaian languages namely Asante Twi, Fante, Dagaari, Sisala, Ga and Ewe. Participants pledged to make use of the PIP library when they start their work.
- Presentation on Population and Development and HIV/AIDS in Ghana for District Chief Executives (DCEs). This was a collaborative presentation that Population Impact Project (PIP) held with the National Population Council (NPC). It was held at Nkawkaw, Social Centre on Friday 8th August, 2003. PIP and NPC took advantage of the meeting, which was to be addressed by His Excellency, the President of the Republic of Ghana Mr. J. A. Kuffour to make a presentation on Population, Development and HIV/AIDS in Ghana. The presentation sought to highlight the challenges population and HIV/AIDS pose for the country's socio-economic development with recommendations on the role of the District Chief Executive at the District Assembly level. The meeting was attended by all 110 District Executives with the Minister of Local Government and Rural Development, Honourable Kwadwo Adjei Darko and his Deputy, Captain (Rtd) Nkrabea Dartey in

attendance. Some participants considered the principle underlying the allocation / disbursement of the District Assemblies Common Fund and the efforts at reducing population sizes as contradictory since population size has continued to be the basis for which allocation of resources such as the District Common Fund is based. After the presentations, a request was made to PIP to assist the Municipal and District Assemblies with population information for their development planning activities.

- PIP organized a 5-day ASRH advocacy workshop for 25 staff of the Planned Parenthood Association of Ghana (PPAG). The workshop was organized from 3rd to 8th August, 2003 at Marina Hotel, Dodowa in the Dangme West District of the Greater Accra Region. The seminar was to give participants skills in advocacy so that they will downstream the training to their colleagues at the district level. As part of the training, participants were sent on a field trip to visit People Living with HIV/AIDS (PLWHA) at the St. Dominic's Hospital at Agormanya in the Manya Krobo District of the Eastern Region of Ghana. Participants suggested at the end of the workshop that more of such training be organized at least twice a year for PPAG field staff since it is relevant to the work they do. Others commended PIP for the good work it is doing to help the people of Ghana and urged the facilitators to keep their good efforts up so as to help move Ghana forward in terms of development.
- The Population Impact Project in collaboration with the National Population Council Secretariat and Ghana AIDS Commission organized a day's seminar on Population and HIV/AIDS for 30 Media Practitioners at the Accra International Press Centre on 29th July, 2003. The seminar was to make known to participants, the current trends of the pandemic HIV/AIDS disease so that they can report using current figures. Another seminar was organized on 26th August, 2003 at the same venue under the theme 'the role of Traditional Medicine Practitioners with respect to HIV/AIDS epidemic in Ghana for traditional medicine practitioners who numbered about 70. At the end of the seminar, participants expressed their willingness to work together with government departments and also NGOs working in the area of HIV/AIDS to help reduce or eradicate the menace from society. Participants proposed to sponsor or come out with a song or an advertisement that could help educate society on the dangers of HIV/AIDS.
- The Population Impact Project in collaboration with the National Population Council Secretariat, Greater Accra Region and Dangme East District Assembly organized a day's seminar on Population and Development for staff of the district administration, conveners of the sub-committees of the Assembly, Area and Town council members numbering about 35. The seminar was held in the Dangme East District Assembly Hall, Ada on 2nd October, 2003. During the open forum, lack of portable water was identified as one basic problem facing the district. It also came out that, if the environment is to be preserved through the avoidance of cutting down trees as being suggested, then there is the need for alternative sources of domestic fuel supply like the liquefied petroleum gas to be made easily available and

accessible to the ordinary people of Ghana.

PIP participated in an exhibition during the launching of the State of the World's Population Report on 8th October, 2003 at the Ghana International Conference Centre in Accra.

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

1. Mr. Donald Dickerson, Regional Manager for West Africa, POLICY Project, who is resident in Benin together with Dr. Benedicta Ababio, Mrs. Kate Parkes and Mr. David Z. Logan all of the POLICY project office in Accra paid a working visit to PIP office on 9th September 2003. The visit was to update them on PIP's activities within the year and also to discuss the possibility of extending PIP's contract with the POLICY project for the coming year.
2. A ten-member delegation (programme Directors and Managers) from The Gambia who were in Ghana for a study tour between 6-10th October 2003 paid a visit to PIP office on the 7th October 2003. The purpose of the visit was to learn from Ghana's experience i.e., the different strategies, techniques, and skills adopted in the formulation, implementation, monitoring and evaluation of Ghana's population programmes.

APPENDIX E

REPORT ON THE ECOLOGICAL LABORATORY (2002-2003)

The Ecological Laboratory (ECOLAB) is headed by Prof. S.K.A. Danso, as Director with Mr. T.W. Awadzi as Deputy Director. The ECOLAB an ENRECA (DANIDA)

Project was set up in 1993 to fulfil an urgent need for a well equipped science laboratory primarily for graduate students of the University of Ghana to carry out their theses research projects. ECOLAB was also to serve as an interdisciplinary facility for the Faculties of Science, Agriculture and Social Studies. Both objectives have been satisfactorily achieved, and ECOLAB continues to be among the best equipped Science Research Laboratories in Ghana. The Laboratory is being used by researchers from the Ghana Atomic Energy Commission, Food Research Institute, Agricultural Research Stations of the University of Ghana at Kpong and Kade, besides 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 outfit, have had to fall on ECOLAB facilities for dissemination of research results to facilitate their research.

During the reporting period, over seventy (70) M.Phil. and Ph.D. students have used the laboratory for their theses research projects.

ECOLAB initiated the publication of a journal, the West African Journal of Applied Ecology. Three volumes have already been published, and Volume 4 is in press. Manuscripts for Volume 5 are also ready for editing.

During the 2002-2003 academic year, several scientists visited the Laboratory. These included Prof. Henrik Breuning-Madsen, the Danish counterpart of ECOLAB.

Major research projects undertaken by ECOLAB staff and collaborators centred broadly on (i) nutrient cycling and pollution in several ecosystems, (ii) biofertilizers and carbon sequestration, (iii) the role of termites in soil formation in the moist semi-deciduous forest zone of Ghana, (iv) distribution, quantity and the nutrient content of harmattan dust in Ghana. The shallot project, which was examining the effect of organic matter amendment and salinity on growth of shallot at Anloga, was concluded during the year.

ECOLAB, in collaboration with the African Association for Biological Nitrogen Fixation and the European Union organized a conference on Enhancing BNF Research and application for Food Security and Poverty alleviation in smallholder African Farming Communities. The conference was attended by 100 participants from Europe, the U.S.A. and several African countries. Prof. S.K.A. Danso, Director of ECOLAB, was co-author in the following three papers that were presented:

- (i) W.J. Broughton and S.K.A. Danso. Strategies for Enhancing BNF Technologies.
- (ii) J.O. Fening, A Sessitch and S.K.A. Danso. Genomic heterogeneity within cowpea bradyrhizobia isolated from Ghanaian soils.
- (iii) F.K. Kumaga and S.K.A. Danso. The combined effect of bradyrhizobial inoculation and phosphorus fertilization on nodulation, N₂ fixation and growth of cowpea (*vigna unguiculata*. L. Walp).

Sponsored Conferences

ECOLAB sponsored Mr. T.W. Awadzi to the 17th World Congress of Soil Science in Bangkok, Thailand (August 13–22). A paper entitled Traditional Farmers Utilization of the Sandy Soils of South-Eastern Ghana was presented.

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 its regional office for Africa is 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.

DEPARTMENT OF HISTORY

Staff

The Department of History is supposed to have a Staff of 14. However, there are only nine (9) permanent Staff. Mr. Kwaku Nti is on Study Leave.

The Staffing position is as follows:

Senior Members

Professor J.K. Fynn

Professor R. Addo-Fening

Dr. (Mrs.) A. Perbi

Dr. N.J.K. Brukum

Dr. D.E.K. Baku

Mr. Ekow S.A. Korsah

Mr. Kwaku Nti

Mr. Sylvester Gundona

Mr. Ofosu-Mensah Ababio

Senior Lecturer

Senior Lecturer (Head of Department)

Lecturer

Lecturer

Lecturer (Study Leave)

Lecturer

Lecturer

Senior Staff

Lily Gyampoh

Mr. Samuel K. Agbeve

Senior Adm. Assistant

Adm. Assistant

Junior Staff

Mrs. Mary Buabeng

Mr. Lawrence Acheampong

Mr. Eric Atuahene

Senior Clerk

Senior Headman

Messenger/Cleaner

Student Numbers

Level 100 1280

Level 200 494

Level 300 148

Level 400 26

Ph.D. 3

Total 1951

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 Civilizations

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 the 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 A History of Western Medicine

Level 400

- HIST. 402 Modern Trends in Intellectual History
HIST. 404 History of Science and Technology since the Industrial Revolution
HIST. 406 Political Thought since St. Augustine
HIST. 408 Colonial Rule and African Response: Nationalism and Independence
HIST. 414 History of Modern Russia and the USA, 1861-1939
HIST. 418 Aspects of World History since 1945
HIST. 492 Fante States in 18th Century

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 Asafo Companies and Chieftaincy and Modernization in Ghana.

Individual Research

Fynn, J.K.

- The Fante States and Asafo Companies.

Addo-Fening, R.

- Social and economic Development in Akyem Abuakwa

Perbi, Akosua

- Indigenous slavery in Ghana; Women in Ghana

Brukum, N.J.K.

- Ethnic conflicts in Northern Ghana: Social and Economic Change in Northern Ghana

Baku, D.E.K.

- Legal and Constitutional History of Ghana: Human Rights and Administration of Justice in Ghana.

Korsah, E.S.A.

- The Press and society in Ghana.

Gundona, S.

- Medical History of Northern Ghana

Ofosu-Mensah, A.

- Economic Development in the Adanse District

Conferences and Publications and Papers Read

Addo-Fenning, R

- Participated in Colloquium held at the University of Cape Town South Africa (August 18-20, 2003) to mark the centenary Anniversary of the Department of History of that University.
- The theme of the Colloquium was the Writing and Teaching of History in the 21st Century".
- Presented a Paper entitled: " The Role of the University in the teaching and writing of History in the 21st Century.

Perbi, Akosua

- Areas OF Interest: Indigenous Slavery in Ghana and Women in History.
- Conferences: 1. Jan 2003, Chieftaincy conference organized by the Institute of African Studies, Legon Paper presented: "Chieftaincy and Servitude in pre-colonial Ghana."
- 8 March 2003, "The History of the Slave Trade in Ghana", lecture delivered to Faculty and Students from North Carolina State University and St. Augustine College, U.S.A. at the Kumbaye Hotel, Achimota, Accra.
- 28 March 2003, "Ghana and the Slave Trade and Slavery", lecture delivered to USAC students from U.S.A. at the Chemistry Department, Legon.

- 21 May 2003 & 28 May 2003, Radio Unvers, Legon Programme dubbed "Read a Book", Paper discussion on the book "AMA – A story of the Atlantic Slave Trade.
- 23 July 2003, "Emancipation: What it means to us". Public lecture delivered at the GNAT Hall, Accra, Ghana organized by the Ministry of Tourism celebration of "Emancipation week."
- 23 July 2003, "The African Slave Trade and the Diaspora", lecture delivered to Faculty from select Universities from Pennsylvania State, U.S.A. at the Institute of African Studies, Legon.
- 30 July 2003, "Ghana and the Slave Trade", Lecture delivered to S.I.T. student from U.S.A at the Language Centre, Legon.
- Conference of the five colleges in Massachusetts, U.S.A, 15 October-28 October 2003 on the Theme "Listening Again to the African Past." Paper presented "Women and Slavery in pre-colonial Ghana".
- African Studies Association Annual General Meeting, Boston, U.S.A. 30th October-2nd November 2003. Paper presented "Women and Slavery in pre-colonial Ghana".
- Conference on the Historic Slave Traffic, Accra, Ghana 5th November 2003. Paper presented " Abolition and Emancipation in Ghana: A Historical Overview."
- 13 November 2003 " Ghana and the Slave Trade," Lecture delivered to USAC students from the U.S.A. at the Chemistry Department, Legon.
- 18 November 2003 "Who is a Ghanaian? A Historical Perspective" Public lecture delivered at the GNAT Hall, Accra in commemoration of Ghana Academy of Arts and Sciences Founders' Week celebrations.

Brukum, N.J.K.

- 3rd January 2003 "The Asante Empire and its Neighbours" Paper read to scholars from the State University of New York College at Brockport.
- January 2003 Conference on "Chieftaincy in Africa: Culture, Governance And Development" organized by the Institute of African Studies, Legon. Read a paper titled "Chieftaincy and ethnic conflicts in Northern Ghana, 1980-2002"
- 3rd January 2003: National Reconciliation Commission: Read a paper titled "Government – Chief relations in Northern Ghana under unconstitutional rule in Ghana".
- 11th June 2003 "Training Teachers for Ghana's schools: Teacher Demand and Supply in the country and Teacher Retention" Paper presented to a group of American College and Secondary School Faculty and Administrators from Allen University Benedict College, Columbia College and Richmond One School District.
- June 24th 2003 "The Colonial History of West Africa" a lecture to undergraduates from James Madison University, U.S.A. at the Language Centre, Legon.
- July 2003 Attended Conference of the Historical Society of Ghana, Legon. Read a paper entitled "Traditional constitutions and succession disputes in Northern Ghana.

- November 2003 'Ghana and Reparations' A paper presented at a Workshop organized by the Centre for Democratic Development in connection with the work of the National Reconciliation Commission.

Gundona, S.

- January 2003 Attended Conference on "Chieftaincy in Africa: Culture, Governance and Development".
- July 2003 Attended Conference of the Historical Society of Ghana

Ofosu-Mensah, A.

- 6th – 10th October 2002 Capacity Building Workshop for Paramount Chiefs in the Volta Region held at the Institute of African Studies, University of Ghana, Legon.
- 20th – 24th October 2002 Capacity Building Workshop for Paramount Chiefs in the Western Region held at the Institute of African Studies, University of Ghana, Legon.
- 6th- 10th January 2003. Chieftaincy in Africa: Culture, Governance and Development.
- July 2003 Conference of the Historical Society of Ghana, University of Ghana, Legon. Read two papers. i) "Political corruption in Asante traditional polity; pre-colonial and colonial."
- "The voice (i.e. treachery) that led to the demolition of Prang Stool from its paramount status"

Baku, D.E.K.

- Presented a paper entitled "Contesting and appropriating the local terrain: National politics and chieftancy in Wenchi, Ghana, 1948 - 2000" to the International Conference on Chieftaincy in Africa: Culture Governance and Development organized by the Chieftaincy, Governance and Development Project of the University of Ghana, Legon, from 6th to 10th January 2003.
- Presented two papers "Nana Sir Tsibu Darko: A colonial and post colonial survival and at the court of history: AFRC human rights, preliminary insights from the National Reconciliation Commission, to the 2003 annual conference of the Historical Society of Ghana at the University of Ghana, Legon, from 1st to 5th July 2003.
- Participated in the colloquium to mark the centenary of teaching history at the University of Cape Town under the theme 'The writing and teaching of History in Africa in the 21st century' from 15th to 22nd August 2003.

DEPARTMENT OF INFORMATION STUDIES

Overview

The period under review ended with two major landmarks for the Department. The first was Council's appointment of two Senior Lecturers to Associate Professorship and the second, the under-graduate programme turning out its first graduates.

Staff scholarship, research and staff responsiveness to student needs have improved; so have there been improvements in the quality and numbers of lecturers. These developments are partly responsible for the growth in the numbers of students for all programmes and their preferred status in the Humanities.

It is our vision to be peers with top notch information studies teaching departments across the world through equipping our students with the knowledge and skills to follow careers in information management and also support efforts to address the challenges facing Ghana.

In order to make this vision a reality, key challenges must be addressed. These include the level and consistency of financial and programme support, positioning the Department to respond to rapid changes in information technology and expansion in infrastructural requirements: computer laboratories, library facilities, lecturers and seminar rooms and staff offices. Recruiting and retaining quality staff remains one of our key challenges.

Summary of courses offered

- Diploma in Librarianship
- Diploma in Archives Administration
- B.A in Information Studies
- M.A in Library Studies
- M.A in Archival Studies
- Master of Philosophy
- Doctor of Philosophy

Courses range from Information in Society, Information Sources, Research Methods, Database Management Systems, Records and Archives Management, Automation of Information Systems, Preservation of Information Resources, Literature and Services for Children, Indexing and Abstracting to Telecommunications and Information Network.

Student Numbers

Diploma in Librarianship	113
Diploma in Archives Administration	96
Level 100	852
Level 200	732
Level 300	368

Level 400	290
M.A in Library Studies	18
M.A in Archival Studies	14
M.Phil.	3
Ph.D	3
Total	2,245,247

Staffing Position

Staff strength stands at ten full time and seven part-time lecturers. Also, the Department has one teaching assistant and five senior and junior staff.

The breakdown is as follows

- 1 Professor
- 3 Associate Professors
- 1 Senior Lecturer
- 5 Lecturers
- 7 Part-time Lecturers
- 1 Teaching Assistant
- 2 Senior Staff
- 3 Junior Staff

Publications

Badu, E.E.

- "Implementing Strategy through Human Resource Management in Ghana" Ghana Social Science Journal, 2003, Vol. 2(1) pp.101-132
- "Macroenvironmental Analysis for Strategic Management. Stakeholders View of Ghana's University Libraries" Libri, 2003, Vol.52 pp.263-275.
- "The Impact of CD-ROM in the University of Ghana Medical School library" Information Development, 2003, 19 (1) pp.35-40.

Akussah, H.

- "Preserving Electronic Records in Ghana: Implications for National Heritage" Ghana Library Journal, Vol.14.2002, pp.55-61.
- With Fosu : "Disaster Awareness, Prevention, Preparedness and Recovery in Special Libraries in Ghana." Journal of Library and Information Science in Africa, Vol. 2, (1), 2002, pp.2-14.

Akotia, P.

- "Michael Cook: Doyen of Archival Education in English-speaking Africa" Procter, M. and C. Williams (ed). Essays in Honour of Michael Cook, Liverpool: LUCAS, 2003.
- "Public Sector Records Systems in Ghana: Some Lessons in Development Management," African Journal of Library, Archives and Information Science, Vol.13, (3), October 2003, pp.107-117.

Adika, Gifty

- "Internet Use among Faculty Members of Universities in Ghana" Library Review, Vol. 52, (1), 2003, pp.29-37.

Markwei, Evelyn Dede

- "Services, Resources and Benefits of the Internet available to academics in Ghana", Ghana Library Journal, Vol.14, 2002., pp.21-30.

Workshops/Seminars**Akotia, P.**

- 22 October 2003. Resource person, Orientation Programme for Junior / Assistant Registrars, University of Ghana. Presented a paper titled: "Records and Information Management in the University of Ghana"
- March-December 2003. Resource Person, Democratic Policing II: UNDP / Ghana Police Service – Restructuring and Capacity Building to consolidate democratic governance.

Tackie, S.N.B.

- 10- 16 August, 2003, Resource Person, Ghana Book Trust /Code Workshop on Library Management for Primary Teachers in Adansi East District of the Ashanti Region.
- 17- 23 August, 2003, Resource Person, Ghana Book Trust /Code Workshop on Library Management for Primary Teachers in Ahafo Ano South District of the Ashanti Region.

DEPARTMENT OF POLITICAL SCIENCE

Overview

The number of students admitted in the Department in the 2002-2003 academic year was 3742. In terms of student intake, the Department is the largest in the University. The perennial problems of inadequate infrastructure and logistics, and insufficient academic and administrative staff are already well known. As part of an improvement strategy on the University's academic infrastructure, however, a block was proposed for some Social Science Departments, among which the Department stood prominent. Consequently, an initial GETFund allocation was made, and the necessary architectural drawings and tender formalities were finalized and actual construction of an extension to the Department has started in earnest. The Department's new offices, when completed, will certainly allow for an improved and congenial environment for academic, administrative staff, and students alike. This will go a long way to bring under some measure of control the congestion in the offices.

In spite of the large student intake and inadequate academic and administrative staff, the Department continues to make enormous contributions to society by way of promotion of research, teaching and publication as well as extension services.

Visit

During the year under review, Dr. Edward Mahama, the leader and the 2000 Presidential candidate of the Peoples' National Convention (PNC), paid a courtesy call on the Department, and had fraternal discussions with the Head of Department and Senior Members.

Also, Mr. R. Steffen, the Director of IBIS, a Danish NGO, visited the Department for discussions with the Head of Department and some Senior Members on modalities for the Department's research on the 2002 Local Government Elections which was sponsored by IBIS.

Courses

The Department offered 39 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
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)
POLI411 - Politics and Development
POLI415 - International Conflict & Conflict Resolution
POLI417 - Theories of Underdevelopment
POLI419 - Politics in Developing Countries
POLI421 - Foreign Policy Analysis
POLI429 - Public Policy Analysis
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
 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
 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
 POLI633 – Conflicts in African States
 POLI635 – Issues in Comparative Politics and Development
 POLI637 – Theories of Political Development and Underdevelopment

Semester 2

POLI602 – Survey Methods in Social Sciences
 POLI604 – Public Policy Analysis
 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

Student numbers increased from 2597 in the previous year to 3742. The breakdown is indicated below. This is undoubtedly the biggest student intake in any single Department in the University.

Undergraduate

Level 100	1457
Level 200	1235

Level 300	547
Level 400	366
International Students	109
	3714

Graduate

M.Phil. 1	6
M.Phil. 2	15
Ph.D.	7
	28

Staff

The teaching staff strength stood at thirteen in both the first semester and the second semester. Two lecturers, Mr. Emmanuel Debrah and Ms Beatrix Allah-Mensah were on short study leave in the USA for two semesters and one semester respectively. They used the period to work on aspects of their Ph.D theses.

The Department tragically lost one of its teaching staff in the person of Dr. Dan McKwartin in December 2002.

The staffing position for the 2002/2003 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 Boafo-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 (First Semester)
14. Mr. Emmanuel Debrah	Lecturer
15. Mr. Alexander K.D. Frempong	Lecturer
16. Dr. Nicholas Amponsah	Lecturer
17. 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 on the "2002 Local Government and District Assembly Elections" which was sponsored by IBIS, a Danish NGO was completed. The output has been compiled into a book titled: Local Government in Ghana: Grassroots Participation in the 2002 Local Government Elections and edited by Dr. Nicholas Amponsah and Prof. Kwame Boafo-Arthur. Uniflow Publishing Limited, Accra, published it.

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, reforming the African public services, and challenges to chieftaincy in the 21st Century.

Benefactors

The Department is grateful to IBIS for its sponsorship of the fieldwork on the Local Government Elections, and appreciates its financial support for the publication of the book on Local Government in Ghana: Grassroots Participation in the 2002 Local Government Elections.

A donation of over 100 books on basically International Politics was made to the Department by Prof. Gerald Dicks of the Brock University, through Mr. Anthony Kwasi Teiku, a former student of the Department who pursued his Masters degree at the Brock University, and now a Ph.D. candidate at the University of Toronto, also in Canada. Dr. Akosua Darkwa of the Department of Sociology, University of Ghana, also presented a dozen books on politics upon her return from her Ph.D. studies in the United States to the Department.

Publications

Ayee, J.R.A.

- "Governance, Institutional Reforms and Policy Outcomes in Ghana", in Dele Olowu and Soumana Sako (eds.) Better Governance and Public Policy: Capacity Building for Democratic Renewal in Africa ISBN 1-56549-160-2 (paperback) ISBN 1-56549-161-0 (hardcover) (Kumarian Press: West Hartford, Connecticut, 2002), Chapter 11, pp. 173-193.
- "Local Government, Decentralization and State Capacity in Ghana" in Wisdom Tettey, Korbla Puplampu and Bruce Berman, (eds) Critical Perspectives on Politics and Socio-Economic Development in Ghana ISBN 90-04-13013-6, ISSN 1568-1203 (Brill Publishers: Leiden/Boston, 2003), Chapter 2, pp. 45-81.
- "Towards Effective and Accountable Local Government in Ghana", Critical Perspectives, No. 13, March 2003 (Ghana Centre for Democratic Development) ISBN: 9988-614-15-2, pp. 1-27.

- Les sociétés civiles du Sud. Un état des lieux dans trois pays de la Zone de solidarité prioritaire (ZSP): le cas du Ghana (with Comi Toulabor), Centre for Black African Studies at the Institute of Political Science, University of Bordeaux, France July, 2003, pp. 1-58.

Boafo-Arthur, K.

- "Tackling Africa's Developmental Dilemmas: Is Globalization the Answer?" Journal of Third World Studies, Vol. 20, No.1 (Spring), 2003, 27-54.
- "Chieftaincy in Ghana in the 21st Century: Challenges and Prospects", African and Asian Studies Volume 2, No. 2, 2003, pp. 125-154.
- "Political Parties and Democratic Sustainability in Ghana, 1992-2000", in Mohammed Salih (ed), African Political Parties: Evolution, Institutionalisation and Governance, (Pluto Press, London, 2003), pp.207-228
- "Human Rights and Development in Africa: Interrogating NEPAD's Rights-Based Development Approach" (monograph). Commonwealth Human Rights Initiative. Accra, 2003, pp.1-42.

Gyimah-Boadi, E.

- "Ghana: The Political Economy of 'Successful' Ethno-Regional Management", in Robin Luckham, et. al. (eds.), Can Democracy be Designed? (London: Zed Press, 2003), pp. 120-137.
- "Financing Political Parties in Ghana", in Report of Conference on Towards Sustainable Democratic Institutions in Southern Africa, (Stockholm, International IDEA, 2001).

Frempong, A.K.D.

- kmi/Tutkimus/Sal/Frempong.htm
- "Conflict and Reconstruction in Africa: The Case of Liberia". http://www.codesria.org/Links/Home/Abstract%2012-20/Security_Frempong.htm
- "The Liberian Civil War: The Tubman Factor", Transactions of the Historical Society in Ghana, New Sons, Nos. 4 & 5, 2000-2001, University of Ghana, pp.123-130.

Conferences/Seminars/Workshops

Ayee, J.R.A.

- In-country Stakeholders Review Workshop on UNECA 2002 Survey Report on "Monitoring Progress Towards Good Governance in Africa" held at the UNDP Conference Room, Accra on November 4, 2002: Paper presented: "Political Representation"
- Roundtable Discussion at the Centre for Democratic Development (CDD), Accra on November 12, 2002. Paper presented: "Towards Effective and Accountable Local Government in Ghana".
- Conference on "Africa's Big Dysfunctional States" jointly organized by the South African Institute of International Affairs (SAIIA), Princeton University, USA and the Stiftung Wissenschaft und Politik (SWP) with funding from Ford Foundation held at Como, Italy from November 21-22, 2002. Paper presented: "Political Leadership and State Formation in Africa"

- International Conference on Chieftaincy in Africa: Culture, Governance and Development organized by the Chieftaincy, Governance and Development Project, Institute of African Studies, University of Ghana, Legon in conjunction with the University of Cambridge, UK from 6-10 January 2003 at the University of Ghana. Discussant for the session: "Representing Chieftaincy: Snapshots Over Time"
- International Conference on Chieftaincy in Africa: Culture, Governance and Development organized by the Chieftaincy, Governance and Development Project, Institute of African Studies, University of Ghana, Legon in conjunction with the University of Cambridge, UK from 6-10 January 2003 at the University of Ghana. Paper presented: "Some Thoughts on Decentralization: Institutional Representation of Chiefs in District Assemblies and their Sub-District Structures"
- International Workshop on "Capacity Development in Local Governance: Africa-Asia Cooperation" organized by the United Nations Centre for Regional Development (UNCRD), Africa Office and the United Nations Department for Economic and Social Affairs (UNDESA) at the Safari Park Hotel, Nairobi, Kenya from 28-29 August, 2003: Paper presented: "Capacity Development in Local Governance: The Ghanaian Experience"

Ninsin, K.A.

- 19th International Political Science Association (IPSA) World Congress in Durban, South Africa June 29-July 4 2003. Paper presented: "Social Movements and The Socialization of Democracy in Africa"
- 14th Biennial Congress of the African Association of Political Science in Durban, South Africa June 26 -28, 2003. Paper presented: "Africa In Search of Integration: The Missing Link".

Boafo-Arthur, K.

- 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".
- International Roundtable on Strengthening Regional Capacity for Conflict Resolution in West Africa: A Response to NEPAD, Miklin Hotel, East Legon, 23-25 October 2002. Paper Presented: "NEPAD and Human Security"
- Commonwealth Human Rights Initiative Sponsored Public Lecture delivered at the British Council Hall, Accra, 27th October 2002. Topic: "Human Rights and Development in Africa: Interrogating NEPAD's Missing Rights-Based Development Approach"
- Workshop on the theme "The Challenges Facing Civil Society in the Implementation of NEPAD" at Golden Tulip Hotel, 28th November 2002. Sponsors: Society for International Development and the Frederick Naumann Foundation. Paper Presented: "NEPAD: An Overview."
- Rapporteur: "10th CODESRIA General Assembly, Kampala, Uganda, 14-20 December 2002".

- International Conference on "Chieftaincy in Africa: Culture, Governance and Development" organized by the Chieftaincy, Governance and Development Project, Institute of African Studies, University of Ghana, Legon in conjunction with the University of Cambridge, UK from 6-10 January 2003 at the University of Ghana. Paper presented: "Chieftaincy in Ghana in the 21st Century: Challenges and Prospects."
- Training Programme on "Peacemaking and Good Governance for African Civilian Personnel", organized by the Legon Centre for International Affairs, the International Training Programme for Conflict Management, Scuola Superiore Sant'Anna, Pisa, Italy, under the auspices of UN Department of Economic and Social Affairs from 27 January-15 February 2003, University of Ghana, Legon. Paper Presented: "NEPAD and Good Governance."
- "Expert Consultative Meeting for African Regional Economic Communities and Human Rights and Regional Integration in Africa", (Accra, 10-12 March 2003). Panel Discussant on "Regional Economic Integration and Accountability: Impact on Human Rights, Challenges for African Initiatives" (NEPAD/CSSDCA/AU).
- 14th Biennial Congress of African Association Political Science (AAPS), Durban, South Africa, June 26-28, 2003. Paper presented: "NEPAD and African Development: The Perspectives of an Academic Pessimist."
- Participant: 19th International Political Science Association (IPSA) World Congress, Durban, South Africa, June 29-July 4, 2003.

Gyimah-Boadi, K.

- 50th Anniversary Commemorative Lecture of Legon Hall, University of Ghana, April 16, 2003. Paper presented: "Reflections on Education and Democracy"
- Conference by National Commission on Civic Education, "Ten Years of Constitutionalism in Ghana", April 28, 2003. Keynote Paper: "Entrenching Constitutionalism in Ghana: An Agenda for Civil Education"
- Conference of the European African Studies Group (AEGIS), Hamburg, Germany, May 2003. Keynote Address: "Political Parties, Elections and Patronage in Africa's New Democracies"
- Seminar organized by Les Aspin Center of Government of Marquette University (Wisconsin, USA), on "Anti-Corruption and Good Governance", Accra, June 2, 2003. Keynote Address presented: "Political Leadership, Corruption and Governance Failures in Africa: How Political Will Can Function as an Effective Instrument in Controlling Corruption and Strengthening Governance in Ghana, Nigeria, and Mali"

Frempong, A.K.D.

- Ghana Armed Forces Command and Staff College (GAF CSC) (Junior Division), Special Staff Course for Sierra Leone Officers, Course No. 4, April-July, 2003. Paper Presented: "The Role of Regional Bodies in Conflict Resolution".
- Social Science Research Council (SSRC) African Youth Program, 2002 Fellowship, Post-Fieldwork Conference, Durban, South Africa, 20-24 June, 2003. Paper Presented: "NGOs and the Reintegration of Child Soldiers in Liberia".

- Ghana Armed Forces Command and Staff College (GAF CSC) International Peace Support Operations (IPSO) Course. Paper Presented: "Regional Organisations and Peace Support Operations: ECOWAS, OAU & AU"
- Commonwealth Human Rights Initiative (CHRI) West Africa Workshop on "Human Rights for Human Rights Commissions and NGOs", British Council, Accra, 18-22 February 2003. Paper Presented: "The African Commission on Human and People's Rights: An Appraisal"
- International Conference on "Chieftaincy, Governance and Development", Institute of African Studies, Legon, 6-10 January 2003. Paper Presented: "Chieftaincy, Democracy and Human Rights in Pre-Colonial Africa: The Case of the Akan System in Ghana"
- 10th CODESRIA General Assembly, Kampala, Uganda, 8-13 December 2002. Paper Presented: "Conflict and Reconstruction in Africa: The Case of Liberia"
- Social Science Research Council (SSRC) African Youth Program, 2002 Fellowship Methodology Conference, Dakar, Senegal, 19-29 October 2002. Paper Presented: "The Role of NGOs in the Reintegration of Child-Soldiers in Liberia".

Ahiawodor, S.M.K.

- Resource Person, The 54th New Year School organized by the Institute of Adult Education at the University of Ghana, Legon, December 29th 2002 to January 4th, 2003.
- Resource Person, Moderating Committee Meeting of the West African Examinations Council, Lagos, Nigeria, 28th April 2003 to 2nd May, 2003.
- Resource Person, Sixth Annual National Congress of the Ahmadiyya Muslims Students Union of Ghana, University of Ghana, Legon, 12th April 2003. Paper Presented: "Religious Tolerance: The Role of the Student".
- Resource Person, Three-Week Internal Conflict Management Workshop organized by the Ghana Armed Forces Command and Staff College, Senior Division, from 5th May to 23 May, 2003. Paper Presented: "Terrorism and Counter Terrorism"
- Resource Person, Seminar for Visiting Sierra Leonean Army Officers, Ghana Armed Forces Command and Staff College, Junior Division, 27th May, 2003. Paper Presented: "Regional Integration: The ECOWAS Case"
- Resource Person and Director of Programmes, 12th US-Africa Sister Cities Conference, La Palm Royal Hotel, Accra, 29th June to 5th July, 2003.

Amponsah, N.

- 14th Biennial Congress of African Association Political Science (AAPS), Durban, South Africa, June 26-28, 2003. Paper presented: "Making Capitalism Work: The Absence of Social Capital and the Failure of Market Capitalism in Ghana".
- Discussant: 19th International Political Science Association (IPSA) World Congress, Durban, South Africa, June 29-July 4, 2003. Topic: "Making and Enforcing Public Policy"

- British Council Conference on African Leadership, Westminster, London, July 11-15, 2003. Paper presented: "African Leadership, the Peer Review, and DEPAD"

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.

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.

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 Counseling Psychology were also offered at the Ph.D level.

Student Numbers

Level 100	948
Level 200	1,492
Level 300	965
Level 400	466
M.Phil. Part I	22
M.Phil. Part II	25
Ph. D	5

Staff Strength

Academic Staff

1. Prof. J. Y Opoku	Associate Professor
2. Prof. S. A. Danquah	Professor (on Contract)
3. Dr. R. Akuamoah-Boateng	Senior Lecturer
4. Dr. A. Afrifa	Senior Lecturer
5. Mrs. Charity S. Akotia	Senior Lecturer (on study leave)
6. Dr. Rose Schroeder	Senior Lecturer (Leave of Absence)
7. Mr. Adote Anum	Lecturer (on Study Leave)
8. Mr. Maxwell Asumeng	Lecturer " " "
9. Dr. B. Amponsah	Lecturer
10 Dr. Abena Asantewaa	Lecturer
11 Mr. C. B. Wiafe-Akenteng	Lecturer
12 Mr. Samuel Atindanbilla	Lecturer
13 Mrs. Margaret Amankwah-Poku	Lecturer
14 Ms Sarah Adoo	Lecturer (Part-Time)

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 Student were appointed Graduate Teaching Assistants.

Opoku, J.Y.

Publications, Research and Extension Activities

Article

- Building a model of bilingual semantic memory: The joys and frustrations of a psychologist. Ghana Social Science Journal, Volume 2 No. 1, May 2003, pp. 47 - 65.

Completed Book

- A short guide to research writing in the Social Sciences and Education (Second Edition) {To be published in 2004 by the Ghana Universities Press}.

Completed Research Article

- Second language proficiency and cross-language influence on a comprehension task (To be published in the next issue of the Ghana Journal of Psychology)

Research in Progress

- Manuscripts in preparation
- Books:
 - Psychology For Everyday Living (Volume I). {To be completed in 2004}
 - Tutorials in Inferential Social Statistics. {To be completed in 2004}.

Research Articles

- The predictive validities of the Senior Secondary School Certificate Examination (SSSCE) and the University Entrance Examination (UEE) {In collaboration with E. Okwei}.
- The influence of language of instruction and location of school on academic performance {In collaboration with G. Hanson}.

Extension Activities

- Initiated and launched PUPEK (Project for the Upliftment of Education among Kwahus – a project to assist disadvantaged Kwahu school children to attain higher levels of education).
- Initiated and literally “fought” for the implementation of a Quota System of Admission into the Universities in Ghana. {I was appointed a resource person to a Committee set up by the CVCP to examine my proposal. The policy is already being implemented by the KNUST and the other public Universities may follow suit in 2004}.

Danquah, S.A.

Publication

- A chapter in a book:
 - Rose Shroeder, DANQUAH S.A and Mate-Kole C. (2003). The therapeutic Significance of Widowhood Rites in a Ghanaian Society. African-Centered Psychology.
 - Edited by Azibo D. A.
 - Carolina Academic Press. Chapter 7.

Seminars Attended & Paper Presented:

- Danquah S. A. (2003) Biopsychosocial Approach to Stress Management and Counseling. Held on October 21st at Military Academy (Junior Division). Otu Barracks, Teshie Accra.

Ongoing research Projects

- Effect of Depression on Cognitive Performance among students.
- Substance Abuse Prevention Among Senior Secondary School Students in Ghana.
- HIV/AIDS Preventive Education Strategies Among Senior Secondary Schools in the Central Region.

Afrifa, A.

Books In Preparation

- PIAGET: Understanding Children’s Thinking and Moral Judgment (In preparation)

- Introduction to Psychoanalysis (In Preparation)
- Member, Ghana Military Academy (GMA) Selection Board) September, 2002.

Akuamoah-Boateng, R.

Research Interest

- Retirement Planning.

Publication

- Womens' Career Issues Vol. 9, 2003 Prudent Printing Press You and Psychology.

Seminar Attended

- Ghana Bar Association Annual Conference, 1st October, 2003.

Paper Presented

- Stress and Its management

**Amponsah, B,
Conferences**

- International Workshop on Value of children project at the University of Bergen, Norway. 24th –28th February, 2003.

Ongoing Research Project

- Family Structure and Function Across Cultures: Psychological Variations.
- Child-rearing practices and their impact on development of cognitive spatial skills.
- Moral reasoning and Development among Ghanaian children.

Akotia, Charity S.

Ongoing Research Project

- Psychological obstacles to the advancement of women at the workplace.
- Females working in male dominated occupations: fear of success, sex role orientation and locus of control.

Seminar Presentation

- Topic: Understanding Mental Health in Ghana.
A paper presented to the Faculty of Medicine, Norwegian University of Sciences and Technology, Trondheim, Norway, April 2003.

Asumeng, M.

- Research Activities (Ongoing)
- Organizational Development in Private and Public Sector Organizations in Ghana.

Benefactions

The Association of Black Psychologists (ABPsi), thorough 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 increased the strength of its Senior Members from sixteen to eighteen. Four more lecturers including one Fulbright scholar are expected in the course of year 2004. 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 in 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. Despite these laudable improvements, the increase in students numbers seem to overwhelm the Department in terms of space for library, staff offices, lectures, and tutorial halls. Students have had to sit under trees in the forecourt for tutorials. There are only two toilets for the almost 4000 students and staff of the Department. A lot more still needs to be done.

Courses

The courses on offer in the Department have remained basically the same since the last review two years ago. They are:

Level 100 Courses

SOCI 101:	Principles of Social Organization	3
SOCI 102:	Diversity of People and Cultures	3

Level 200 Courses

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 Social Research	3
SOCI: 306	Research Methods	3
SOCI: 307	Rural Sociology	3
SOCI: 308	Rural Development	3

Electives

SOCI: 309	Urban Sociology	3
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 Organizations	3
SOCI: 415	The Sociology of Science	3
SOCI: 416	Penology	3

Graduate Programmes

Core

SOCI 501/601:	Perspectives in Social Thought	4
SOCI 502/602:	Issues in Advanced Social Theory	4
SOCI 503/603:	Advanced Quantitative Techniques	4
SOCI 504/604:	Research Methods	4
SOCI 505/605:	The Sociology of the Third World	4
SOCI 506/606:	Political Economy of African States	4

Electives

SOCI 507/607:	Transformations of Rural Institutions	4
SOCI 508/608:	Social Life in Urban Communities	4
SOCI 509/609:	Comparative Religious Institutions	4
SOCI 511/611:	Sociology of the Family	4
SOCI 512/612:	Sociology of Deviant Behaviour	4
SOCI 513/613:	Gender Sociology	4
SOCI 514/614:	African Social Theory	4
SOCI 515/615:	Population & Development	4
SOCI 516/616:	sociology of Politics	4
SOCI 517/617:	Sociology of Health Institutions	4
SOCI 518/618:	Personnel Management in Indus. Org.	4
SOCI 519/619:	Sociology of Industrial Organizations	4
SOCI 521/621	Social Movement and Collective Action	4
SOCI 524/624:	Environmental Sociology	4
SOCI 526/626:	Theoretical Anthropology	4

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

3

General Comments

All courses are also offered at the Accra City Campus by the same lecturers. Lecturers have, therefore, maintained a double load teaching four to six courses per semester. International students have had to be given special attention with changes in the academic Calendar year. The Sociology Department is making immense contributions to the University of Ghana under very strenuous circumstances with very few lecturers and facilities.

To ensure academic discipline, under graduate courses which would seem to reinforce each other have so far as possible been taken concurrently to avoid duplication in choices. 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. Students have been advised against duplicating courses taken in other departments..

Student Numbers for 2002/2003 Academic Year

(a) Post Graduate Students

Ph.D	11
M.A./M.Phil	38

Graduate Diploma	15
Total	64

(b) Sociology Under-Graduate Student

Level 100	1299
Level 200	1632
Level 300	775
Level 400	310
Occasional Student	20
Total	4036

Units of the Department

(c) Diploma in Prison Administration Unit

Year I	49
Year II	28
Total	77

Social Administration

Year I	48
Year II	28
	76
Grand Total	4,253

*Has attained autonomy as a separate department by is still being nurtured by the Sociology Department.

Staff

Despite the modest gains in staff strength, efforts continued to be made by the Department to augment the staffing situation. The Department services other Departments such as Nursing, Home Science and Pre-medical Sciences. To a large extent over 80 percent of students registered in the faculty of Social Science also read Sociology in combination or as a minor.

The current staffing position is as follows:

Senior Members

1. Prof. Clara K. Fayorsey (Head of Department)
2. Prof. Chris Abotchie
3. Dr. Kodjo A. Senah
4. Dr. Kofi Ohene-Konadu
5. Dr. M.K.Yeboah
6. Dr. Dan-Bright Dzorgbo
7. Dr. Steve Tonah
8. Ms. Betty Akumatey
9. Dr. Akosua Darkwah
10. Rev. M.K. Okyerefo

11. Mr. Kodjovi Akpabli-Honu
12. Mr. Stephen Afranie
13. Ms. Peace Tetteh
14. Mr. K. Oduro Kwarteng

Post Retirement Part-Time

15. Prof. J.M. Assimeng
16. Mr. E.H. Mends
17. Prof. G.K. Nukunya
18. Dr. Y. Yangyuoru

Senior Staff

1. Mrs. Vicky Ayiku
2. Mrs. Comfort Agbodaze
3. Ms. Margaret Ahiagbenyo

Junior Staff

1. Mr. Thomas Annang
1. Mrs. Joyce Darkwah
2. Mrs. Rosemary Okai-Addo
3. Mr. Edward Appiah-Sow (leave without pay)
4. Mr. Solomon Takyi
5. Ms. Ophelia Ampomah Abedi
6. Ms. Salomey A. Adofoli
7. Mr. George Sarpong
8. Mr. Joseph Lamptey

Research and Publications 2002 / 2003

Some senior members have managed to combine their heavy teaching load with research, publications and public service. The profile for 2002 / 2003 was as follows:

Fayorsey, Clara (Ph.D Cantab)

Publications

- Fayorsey, Clara and Edith Abruquah, (2002) Manual on “Traditional Knowledge on uses of locally rare plants and animals in selected Communities of the Upper West and Brong Ahafo Regions”. Published by Ghana Ghana-Canada In Concert Project IBSN:9988-8034-5-1, Sundel Services Accra.
- Henry, Rebecca and Clara Fayorsey, 2002 Book on Coping with Pregnancy: Experiences of Adolescents in Ga Mashi, Accra. Book Published by ORC Macro Measure DHS+, Calverton, Maryland USA.

Research

- Fayorsey Clara, Polygny in Ghana, GTZ Legal Pluralism.
- Fayorsey Clara Empowering Queenmothers in the Fight Against HIV / AID in Ghana. CEDPA International
- Fayorsey Clara Knowledge Attitudes and Perceptions on HIV / AIDS Among Students Parents and Teachers in Selected Ghanaian Schools, World Education.

Conferences/Workshops in 2002/2003

- Fayorsey Clara and Folsom Abo "Girl Child Education For Women And Training Of Women In Ghana". Paper Presented At Sogakope For The Ministry Of Women And Children's Affairs, Beijing +10 Ghana National Plan Of Action, October 2003.
- Fayorsey Clara, "Contextualizing HIV/AIDS in Educational planning and Management: A training Needs Assessment for Educational planners and managers in Ghana. Workshop organized by the International Institute For educational Planning (IIEP-Paris, France) in Nairobi Kenya, June 2003.
- Fayorsey Clara, "Gender, Culture and Governance: Ghanaian Queen mothers as leaders in development". Institute of African Studies and Cambridge University United Kingdom, conference on Culture and Governance held at the University of Ghana, February 2003.
- Clara, "Traditional women leaders' response to HIV/AIDS in Ghana", Paper presented at the La Palm Royal Hotel, Accra at the Workshop organized by the Centre for Population and Development (CEDPA-Washington), February 2003.
- Fayorsey Clara, Dissemination Forum/Research Findings on "Knowledge, Attitude and Practice (KAP) Study on HIV/AIDS among Students, Teachers and Parents in selected Schools in Ghana". Organized by the World Education/Ghana at Busy Internet, Accra, January 2003.
- Commonwealth Youth Programme: Global Meeting of the External Moderators for the Quality Assurance in Development Studies for the Commonwealth Youth Programme, held in Melbourne Australia, July 2003.

Tonah, S.

Publications

- Tonah, Steve 2003, "Integration and Ausgrenzung der hirtennomadischen Fulbe in Westafrika: Ein Vergleich der staatlichen Politik und interethnischen Beziehungen in Ghana and der Elfenbeinküste", Berlin Zeitschrift fur Ethnologie 128 (2003) 119-142.
- Tonah, Steve 2003 Pastoralists, Farmers and the State in Northern Ghana In Frank Columbus, Politics and Economics of Africa Volume 4. Chapter 10 (pages 113-130). Novascience Publishers, New York.
- Tonah, Steve, 2003, "Competition for Chief ship and the Impoverishment of the Royal Elite in Mamprugu/Northern Ghana"
- Tonah, Steve, 2003 "Competition and Consensus Between Migrant Fulani Herdsmen And Mamprusi Farmers in Northern Ghana" Frankfurt In Franz Kroger & Barbara Meier, Ghana's North. Peter Lang Verlag.
- Tonah, Steve 2003, "Defying the Nayiri: Traditional Authority, People's Power and the Politics of Chieftaincy in Mamprugu/Northern Ghana" Journal of Sociology, Volume 1, Number 1

Conferences/Seminars/Workshops in 2002/2003

- Conference on "Chieftancy in Africa: Culture, Governance and Development". Noguchi Centre, Legon, 6-10th January, 2003.
- Seminar on "The Public Private Partnership Network in Road Maintenance". ShangriLa Hotel, Accra, April 2003.
- Workshop on "Current and Emerging Issues for Economic Analysis and Policy Research (CUREMIS II)", Novotel, Accra, June 12-13, 2003.
- Seminar on "Constructing Sharia in Morocco. Current Debates on Family Law Reform", Max Planck Institute, Halle/Salle, Germany, June 30, 2003.
- Seminar on "Decentralisation, How Great Expectations in Washington, Bonn and Paris are dashed in Parakou/Benin or Is it Amazing that Development Programmes Work at all", Max Planck Institute, Halle/Salle, Germany, June 30, 2003.
- Conference on "Changing Properties of Property". Max Planck Institute, Halle/Salle, Germany, July 2-4, 2003.
- Seminar on "How to Study AIDS in Africa", Max Planck Institute, Halle/Salle, Germany, July 7, 2003.
- Conference on "Conflict: What has Religion got to do with it". International Conference Centre, Accra, 6-8 October, 2003.

Dan-Bright, Dzorubo

Research

- Consultant team for Ghana Forestry Commission, Forest Services Division on "Socio-Economic Survey of Pra Suhien Forestry Fringe Communities-Pra Suhien Forest Reserve, March 2003. A study commissioned by Ghana Forestry Commission.
- Principal Investigator in Ghana for the International Comparative Study of the Social Impact of Internet Use in Ghana, India, Kenya and South Africa (1999-2005). Project initiated and coordinated by Sociology Department of the Louisiana State University, USA.

Conferences/Seminars/Workshops

- Presented a paper "Ethnic and Chieftancy Conflict Issues" and was resource person to the course on Internal Crisis Management at Ghana Armed Forces Staff and Command College, 5-23 May, 2003.
- Co-authored the paper: "Does Collaboration Matter for the Developing World?", in collaboration with Ricardo B. Duque, Marcus A. Ynalvez, R. Sooryamoorthy, Paul Mbatia, Wesley Shrum. This paper was presented at Society for the Social Studies of Science Conference, Atlanta, Georgia; October 16, 2003.
- Co-authored the paper: "Inequalities in Internet Access and Patterns of Scientific Collaboration", with Marcus A. Ynalvez, Ricardo B. Duque, R. Sooryamoorthy, Paul Mbatia, Wesley Shrum. This paper was presented at Society for the Social Studies of Science Conference, Atlanta, Georgia; October 16, 2003.
- Was rapporteur for the workshop on "Current and Emerging Issues for Economic Analysis and Policy Research" (CUREMIS II) Novotel Hotel, Accra, June 12-13, 2003.

- Was Visiting Guest Lecturer to University of Tromso, Norway. Lectures: "Globalization and Its Impact on Industrial Work and Trade Union Activities in Core and Peripheral Economies" and "Traditional Political Institutions in Modern Ghana" Was also representative of the Sociology Department in developing a proposed student-staff exchange programme between, Sociology Department of the University of Ghana and the Department of Planning and Local Communities of the University of Tromso, Norway, 29th September to 3rd October, 2003.

Darkwah, Akosua Keseboa

Publication

- Akosua Darkwah and Mercy Ackumey, (2003) "Confronting Global Forces at a Local Level". Center for Social Policy Studies, Legon
- Akosua Darkwah and Mercy Ackumey (2003) "Information Dissemination": The Role of Clearing Agents and Trade Association. Center for Social Policy Studies, Legon.
- Akosua Darkwah and Mercy Ackumey (2003) "Traders Access to Financial Assistance from Formal Financial Institutions". Center for Social Policy Studies, Legon.

Conferences/Seminars/Workshops in 2002/2003

- Women and the Economy. Paper presented at the UNDP Gender Programme's Workshop in preparation for Ghana's Beijing + 10 conference, held in Sogakofe on October 15th, 2003
- Makola Globalized: Changed Calculations of 'Last Price' and the Bargaining Arguments in the Sale of Global Consumer items. Paper presented at the 46th Annual African Studies Association Meetings held in Boston, MA on October 31st, 2003.

COLLEGE OF HEALTH SCIENCES

POSTGRADUATE UNIT

Statistics: Student Population Academic Programme

(i) Basic Sciences Paraclinicals 2002-2003 enrolled MPH - 28, MPhil - 35, PhD - 4.

UGMS - 19

Legon: (i) School of Public Health MPH - 28, MPhil - 6

(ii) NMIMR MPhil 5 PhD 3

(ii) School of Nursing 5

GRAND TOTAL 67

(i) MD Registered n =5

(ii) Fresh Admission 2003-2004 MPH =35, MPhil -34, PhD- 5=74

(iii) Total Students 2003-2004 MD 5, PhD-7, MPhil -56, MPH - 35 =103

Fresh Admissions of Residents 2003=2004 Total 33

33 - FWACS Primary - 14}

= 22

Part. I 8}

FWACP PRIMARY = 2}

=11}

Part I -9}

TOTAL -33 (FWACS 22, FWACP- 11)

Residents Enrolled Fellowship (FWACS/FWACP) Specialist Training Programmes 2003-2004

- Primary = (FWACS = 48, FWACP =(36)=84
 - Final Part I = (FWACS = 59, FWACP =(35)=94
 - Final Part II = (FWACS = 27, FWACP =(9)=36
- GRAND TOTAL (FWACS =134, FWACP=80=(214)

Grand Total Academic 103 and Specialist Trainees 214 =317

College of Health Sciences Postgraduate Scholarships

current Recipients 2002/2003 n =59

(i) Specialist Trainee (Residents) recipients, n=30

(ii) MPhil Students recipients, n=29

Nursing 6, Scientists 23

(iii) PhD Recipients - 1

(f) Specialist Trainers

PRIMARY	FWACS – 48	FWACP – P 34+2=36	= 84
FINAL PART I	FWACS (59)	FWACP (35)	= 94
FINAL PART II	FWACS (27)	FWACP (9)	= 36
			<u>214</u>

Specialist FWACP/FWACS Programmes

Total number of Residents at various levels 214 (FWACS = 134, FWACP = 80)

MOH (Ghana)	198
Military	13
Police	1
Foreign	1 (Medicine 1)
Cocoa Clinic	1

Military Postgraduate Students (13) Exams to pass

1. Dr. Abrokwa Nyakyera - Surgery Part II (Plastic Surgery)
2. Dr. Awuku - Surgery Part II (Orthopaedics & Trauma)
3. Dr. Bugri Gbanwah - Surgery Part II (General Surgeon) Passed
4. Dr. Alhasan - Radiology Part II
5. Dr. Attoh - Pathology Part II
6. Dr. Meyers - Medicine Part I
7. Dr. Boamah - Medicine Part I
8. Dr. Ewusi - Eyes (Ophthalmology Part II) Passed Prize Winner for Part II 2003
9. Dr. H. Afacho - Radiology Part I
10. Dr. (Mrs.) Adu Quaye - Child Health (Primary)
11. Dr. Daniel Kofi Amedzi - Radiology Part I
12. Dr. (Mrs.) E. Andam Idun - Radiology Part I
13. Dr. (Mrs.) Tetteyfio Koney - Anaesthesia Part I

Police Postgraduate Students

1. Dr. Aboah - Surgery Part I

Cocoa Clinic

1. Dr. G. A. Lartey - Internal Medicine Part I

Foreign Residents

1. Dr. Russell (Sierra Leone) - Medicine Final Part I

Breakdown Residents at various Levels

PRIMARY	- 84 (FWACS=48, FWACP=36)
FINAL PART I	- 94 (FWACS=59, FWACP=35)
FINAL PART II	- 36 (FWACS=27, FWACP=9)
TOTAL	= 214

Detailed Distribution

Primary – 84 (FWACS 48 FWACP 36)

1. Anaesthesia - 9
2. Child Health - 16
3. Dental Surgery - 2
4. O & G - 20
5. Medicine 13
6. General / Family Practice - 4
7. Surgery - 14
8. Psychiatry - 0
9. ENT - 0
10. Eyes (Ophthalmology) - 3
11. Community Health - 3

Final Part I n= 94 (FWACS = 59, FWACP =35)

1. Anaesthesia - 4 (Mil. -1)
2. Child Health - 5
3. Community Health - 3
4. Dental Surgery 2
5. O & G -20
6. Medicine -15 (MOH) + 2 (Military) + 1 (Foreign) = 18
7. Ophthalmology - 6 (Mil. -1)
8. General/ Family Practice - 3
9. Surgery MOH 18 Police 1, Military 1- 20
10. Radiology 7+3 Military -10
11. Pathology – 5 (MOH – 4, Mil. -1)
12. ENT – 2 (MOH)
13. Haemathology -3
14. Phychiatry - 0

- i. Dr. Armah
- ii. Dr. Blankson Aboakye
- iii. Dr. Attoh (Military)
- iv. Dr. Foster Gbagbo
- v. Dr. Rsete
- vi. Dr. Adeliade Osei Bonsu (Passed Haematology)
- vii. Dr. E. Adoma Ofori-Mante
- viii. Dr. A. A. Benneh

Final Part II = 36 (FWACS 27 FWACS 9)

1. Anaesthesia 3
2. Child Health 1 + 2 (Boaitey/Anayeberry) 3
3. Obsterics and Gynaecology 6
4. Medicine 3 (Appiah Kusi/Akpalu)Andoh 3
5. Ophthalmology 1
6. Surgery: GS – 3, Plastic Surg. – 1, 12
Paed. Surg. – 1, Urology 1, NS – 2,

Orthopaedics & Trauma -3, CTS =1	
7. Radiology 2 + 1 (Military)	3
8. Haematology	0
9. Pathology	- 2
10. Dental Surgery	- 1
11. General/Family Practice	1
12. ENT	-0

**Breakdown Residents into Departments (See Appendix II and above)
Primary -84 - Final Part I -94 Final Part II - 36 - Total =214**

Diplomates Programme - WAPMC (DA DORL DO n =22

Passes 2002-2003 – Academic Degree

PhD - 3 completed thesis
MPhil - 9 completed thesis
MPH - 28 passed

Passes WAPMC Examination –2003 (March/April and Sept./Oct.

- a. Fellowship FWACP/FWACS (CHS/KBTH, UGMS, UGDS)
National Passes all levels 72 (72/157) 46% (KBTH/CHS 49 KATH, 19 Cape Coast - 2 Private -2)
Passes Nationally FWACS - 40, FWACP -32
CHS/KBTH - FWACS Passes - 31 FWACP Passes - 18 = 49 (CHS)
- b. **Primary Passes CHS/KBTH- 2003 n=26**
Nationally Passed 42 (42/88) 48%
FWACP -12 (Int. Med -5 Paediatrics -4 Community Health -2 General Family Practice (FP) 1

FWACS -14 (O&G -1, Surgery -4, Anaesthesia -9)
- c. **Final Part 1 – Passes CHS/KBTH – 2003 - 12**
National Passes 19 (19/51) 37%
i. FWACP -4, Int. Med 3, Lab Medicine 1)
ii. FWACS -8, (O & G 1, Surg. 5, Radiology 2)
- d. **Final Part II FWACP/FWACS Passes – from CHS/KBTH n = 11**
National Passes 11 (11/18) 61%

NEWLY QUALIFIED SPECIALISTS n=11 all from CHS/KBTH

Final Part II Fellowship Qualified Specialist 2003

1. Dr. Azumah Bugri Gbanwah General Surgeon (Sponsor MOD)
2. Dr. Kwame Opopu General Surgeon (" MOH)
3. Dr. Rebecca Acquah-Arhin O & G (Sponsor -MOH)

- | | |
|-----------------------------|---|
| 4. Dr. E. Kombla Sofrenyoh | O & G (" ") |
| 5. Dr. James Edward Mensah | - Urologist (Sponsor - MOH , CHS –PG Scholarship) |
| 6. Dr. Randolf Asiamah | Radiology (" " ") |
| 7. Dr. E. K. Brako-Hiapa | Radiologist (" " ") |
| 8. Dr. Edward Nyarko Ogoe | Radiologist (" " ") |
| 9. Dr. Raymond Koblah Ewusi | Eye/Ophthalmologist (MOD Won the
Final Part II)
Prize in Ophthalmologist of the West
African College of Surgeons |
| 10. Dr. Amable | Physician (Sponsor – MOH) |
| 11. Dr. Adelaide Osei-Bonsu | Haematologist (Sponsor MOH) |

**Specialists Disciplines covered by FWACS/FWACP Passes all Level 2002
CHS/KBTH/UGMS/UGDS n = 4**

A. FWACP: 18: General/ Family Practice	1
Paediatrics	4
Medicine	9
Laboratory Medicine	2
Community Health	2

B. FWACS: n = 31

i. Surgery	9
ii. Anaesthesia	9
iii. Obstetrics and Gynaecology	2
iv. Radiology	2
v. Eyes/Ophthalmology (Specialist)	1 (Completed)
vi. O&G (Specialists)	2
vii. Urologist	1
viii. General Surgeons	2
viii. Radiologists	3

**Specialist Graduated April 1991 October 2003 CHS/KBTH TOTAL 62
WACS 47 FWACP 15)**

1. Obstetricians and Gyaecologists (FWACS)	20
2. General Surgeons (FWACS)	9
3. Neuro Surgeon (FWACS)	1
4. Cardiothoracic Surgeons (FWACS)	2
5. Plastic Surgeons (FWACS)	2
6. Peadiatric Surgeon FWACS)	1
7. Urologists (GU Surgeons (FWACS)	2
8. Physicians Specialist (FWACP)	5
9. Radiotherapist (FWACS)	1
10. Haematologist (FWACP)	2
11. Eyes/Ophthalmology (FWACS)	4
12. Pathologist (FWACP)	4
13. Community Health (FWACP)	2

14. Child Health (FWACP)	2
15. ENT (FWACS)	2
16. Radiologists (FWACS)	3

Diplomates West African Postgraduate Medical College (WAPMC)

Medium Level Specialist Manpower Graduated 1990-2003	.
Eyes (Ophthalmology) DO	29
ENT DORL	3
Anaesthesia	62
Psychiatry	10
TOTAL	104

There were 8 successful candidates in the Diploma in anaesthesia programme in 2003

Postgraduate Scholarships College of Health Sciences

The College of Health Sciences has awarded about 59 Scholarship for 2000/2001/2002/2003. For the PhD/MPhil 29 and various specialist programmes FWACP/FWACS of the WAPMC (30). It is planned to award between 100-200 Scholarships annually if funds are available.

Four scholars have qualified as Fellows of the West African College of Surgeons in 2003. They are Drs. R. Asiamah Radiologist, Dr. E. K. Brakoahiapa (Radiologist), Dr. N. Ogoe Radiologist), Dr. J. E. Mensah, Urologist.

No of students who have completed Mphil dissertations = 24 PhD dissertations n =3.

Courses Programmes under Postgraduate Unit, CHS

A. MD Basic Sciences Paraclinical and all clinical disciplines

B. MPhil, PhD Programmes for:

- Anatomy
- Physiology
- Biochemistry
- Pharmacology
- Chemical Pathology
- Haematology
- Microbiology
- Pathology
- Public Health

These are based in the relevant Units/Departments of the, Schools and the Noguchi Memorial Institute of Medical Research.

MPH for Public Health at School of Public Health

High Level Fellowship WAPMC (West African Postgraduate

MEDICAL COLLEGE) and WAHO (West African Organization) Medical Specialists Training Programmes Fellowship of West African College of Physicians (FWACP) or West African College of Surgeons (FWACS) Programmes

Specialties covered by FWACP/FWACS Programmes

FWACP: Internal medicine, General Practice/Family Medicine, Paediatrics, Psychiatry, Laboratory Medicine, (Histopathology, Haematology/Chemical Pathology), Community Health.

FWACS: Obstetrics and Gynaecology (O& G), General Surgery, Neuro-Surgery, Paediatric Surgery, Urology, Plastic Surgery, Orthopaedics & Trauma and Cardiothoracic Surgery, Ophthalmology (Eyes) ENT Otorhinolaryngology Anaesthesia, Radiology, Radiotherapy, Dental Surgery. Oral and maxillofacial Surgery & Orthodontics. etc

Primary Courses.

- a. The main courses: This runs regularly for 6 months each academic year October to March.
- b. The Revision courses:- These are run twice a year
 - i. August and September
 - ii. March and April

Final Part I FWACS/FWACP Courses

These are structured to run for 2 years. They are based in the relevant specialist Clinical/Paraclinical Departments/Units.

Final Part II FWACS/FWACP Courses of the WAPMC/WAHO

These are structured to run for 2 years. They are based in the relevant specialist clinical/paraclinical Department/units. In some specialties candidates undertake research projects for dissertations or write case reports of about 15 to 30 for their case books.

Specialist Trainee Programmes Ghana College of Physicians and Surgeons GCPS

The Programmes for Diploma Membership and Fellowship of the newly established College will run along the WAPMC training programmes.

Medium Level WAPMC/WAHO Specialist Programmes These Cover:

DO- (EYES), DA - (ANAESTHESIA), DORL-ENT, DIP PSYCH, (PSYCHIATRY)
They are run by the relevant departments and Units.

Seminars

These are organized regularly once a month. They are given by newly appointed or Promoted Faculty Members and Visiting Professors/Lecturers. Eleven Lectures were given from October 2002 to September 2003.

Specialized Courses undertaken 2002/2003

- i. Emergency Medicine Symposium Course in conjunction with University of Southern California. Los Angeles Campus and University of Southern California medical centre 2nd 3rd, 4th June 2003. 10 Faculty Members from University of Southern California led by Dr. Kathyryn Challoner gave lectures/demonstrations. There were about 100 participants who were postgraduate students and medical officers from the Ministry of Health. Mission Hospitals Police Hospitals and other institutions throughout Ghana.
- ii. West African College of Surgeons and West African College of Physicians Postgraduate revision Courses in Anaesthesia, Surgery, O & G and Medicine for Primary Final Part I and Final Part II Examinations were run at the KBTH/CHS by the relevant Departments and Units.

Update Courses/Seminars/Visiting Lectureship

These were organized for PHYSICIANS and medical officers in Diabetes, Cardiovascular Liver and Nephrology disorders' Anaesthesia. Sickle Cell disorders Diabetic foot by Prof. Bill James Releford, USA, Colorectal cancer Prof. Havay, Wales, UK.

Specialist Skills and Modern Technology Transfer

Specialist surgeons and Professors continue to visit and practice and lecture in Neuro Surgery (Prof. Durity Vancouver British Columbia) Prof. Martin Webster Arthur Morris (Plastic Surgeons from the UK) and Dr. Boachie for specialized spinal surgery from USA.

Postgraduate Emergency Medicine Attachment Scholarship

The University of Southern California Medical Centre

- Dr. Enerst Aniteye) Lecturer in Anaesthesia was awarded the 3rd Scholarship 2003/2004. He spent 6 weeks at the University of Southern California Emergency Medicine Centre in September/October 2003.
- Dr. Nii Adu Aryee FWACS Lecturer in Surgery was awarded the second Scholarship for 2002/2003 – He spent 6 weeks at the University of Southern California Emergency Medicine centre.
- Dr. (Mrs) Eugenia Lamptey a Lecturer in Anaesthesia was the first recipient and spent 6 weeks in 2001/2002 at the same centre.

Plans are on going in developing courses for emergency medicine at the UGMS.

Collaborative Research Programmes

These are currently being undertaken with collaborators from USA. NIH/NCI/CDC, ISN, and AORTIC in Diabetic Disorders, Cardiovascular, disorders Nephrology and prostate cancer and prostate disorders.

Postgraduate Unit Co-ordinators & Supervisors

They are to help their respective Heads of Departments and the postgraduate Unit develop well structured residency Postgraduate training programmes to enhance teaching research and coordination of the postgraduate teaching programme and supervision of the postgraduate students. Five (5) have been appointed initially for key disciplines. They are:

- i. Dr. K. Aduful – Lecturer, Department of Surgery for Distant Postgraduate learning programme in surgery and other disciplines.
- ii. Dr. Francis Offei, Lecturer Department of Medicine for Internal Medicine.
- iii. Dr. Nii Adu Aryee -Lecturer, Department of Surgery for Surgery and Emergency medicine.
- iv. Dr. Seth Seffah – Lecturer, Department of Obstetrics & Gynaecology for Obstetrics & Gynaecology.
- v. Dr. Goka – Lecturer, Department of Child Health for Department of Child Health.

It is hoped to appoint coordinators in the near future for all Departments and U nits who undertake specialist training and other academic programmes.

- SUPERVISORS – All the academic units and departments have supervisors for the postgraduate studies.

UNIVERSITY OF GHANA MEDICAL SCHOOL

DPARTMENT OF ANAESTHESIA

Overview

During the year 2002/2003, the department continued to be short of staff at both senior and junior levels. Research activity continued to be limited because of the heavy clinical and teaching workload.

Staffing

The academic staff complement is six :-

1. Prof. Yaw Adu-Gyamfi – Full Professor and head of Department
2. Dr Gladys Amponsah – Senior lecturer
3. Dr Henry Baddoo – Senior lecturer (was on leave of absence from May 2002 – July 2003)
4. Dr Frank Boni – Lecturer
5. Dr Eugenia Lamptey – Lecturer
6. Dr Ernest Aniteye – Lecturer

There is a need for more consultants in the Department. The complement of Medical School consultants needs to be increased and the Ministry of Health needs to employ additional consultants in Anaesthesia to help with the clinical workload and the training of Trainers.

Courses

The Department gives five-week courses in Anaesthesia to Medical Students in their final year. The students come to the Department one group at a time so the courses are held throughout the year. Each group has an average of 9 to 10 students in it.

Student numbers

Undergraduate MBChB Final part II	79
Diploma WACS	9
Primary WACS	8
Part I (WACS)	4
Part II (WACS)	3

Clinical Workload

The average number of operations per month per discipline for which anaesthesia was provided by the Department was as follows :-

a. Obstetrics	300
b. Gynaecology	89

c.	Orthopaedics	155
d.	Paediatric Surgery	50
e.	General Surgery	243
f.	Maxillofacial Surgery	6
g.	Plastic Surgery	75
h.	Ear, Nose and Throat Surgery	33
i.	Eye (including locals)	32
j.	Neurosurgery	22
k.	Cardiothoracic Surgery	25
l.	Genito-urinary Surgery	30
	Total	1060

Publications

Adu-Gyamfi, Y.

- Nil

Amponsah, Gladys

- Title : Ankylosis of the mandible. Analysis of 35 Cases. Accepted for publication by Ghana Med. Journal
Co-authors: Dr. Alhassan Emil Abdulai
Dr. Gladys Amponsah
Dr. Henry Baddoo
Dr. Muta Ibun Iddrisu

Baddoo, H.K.

Lamptey, Eugenia

- Nil

Boni, F.

- Nil

Aniteye, E.

- Title Cardiopulmonary bypass in Jehovah's Witnesses
Authors: Prof. K. Frimpong-Boateng
Dr. Ernest Aniteye
Dr. Lawrence Sereboe
Mr. Van Amuzu
- West African Journal of Medicine Jan-March 2003. Vol 22: No 1

Research interests

Adu-Gyamfi, Y.

- Acute and chronic pain control
- Anaesthesia and sickle cell disease
- Eclampsia and anaesthesia

Amponsah, Gladys

- Pain relief

Baddoo, H.K.

- Ropivacaine for lower limb regional anaesthesia.

Lampsey, Eugenia

- Anaesthesia without nitrous oxide
- Two years of the Anaesthetic clinic- patients impressions

Boni, F.

- Management of Eclampsia
- CPR and neonatal resuscitation
- Spinal anaesthesia in obstetrics.
- Evaluation of the Glostavent anaesthetic machine.

Aniteye, E.

- Hyperpyrexia after cardiopulmonary bypass surgery
- Use of Tranexamic acid in reducing blood requirements during cardiac surgery
- Streptokinase in blocked A-V shunts
- Streptokinase for myocardial infarction

Conferences/Seminars/Workshops/Symposia/Papers**Adu-Gyamfi, Y.**

- Seminar on 'Oxygen the poorly understood drug'. Date: 6 Dec 2002 at the Korle Bu Teaching Hospital. Was a resource person and helped with the organization of the meeting.
- International symposium on 'Peri-operative blood utilization'. Presented a paper on the use of artificial blood substitutes. Also acted as a resource person and helped with the organization.
- Workshop on 'Accreditation of Hospitals for the Ghana Health Insurance Scheme' organized by the Ministry of Health in Koforidua in June 2003.

Amponsah, Gladys

- Nigerian Society of Anaesthetists Annual Conference. Warri, Nigeria. November 2002. Paper read : Monitoring of the cardiovascular system.
- West African College of Surgeons conference. Abuja, Nigeria. January/February 2003.
- Ministry of Health/Ghana Health Service workshop for the development of curriculum for structured in-service training for Nurse Anaesthetists and Physician Anaesthetists. Was the Chairperson for the group on Anaesthesia. Held November 2002 in Accra.
- Ministry of Health/Ghana Health Service workshop for the training of resource persons for the structured in-service training programme. Held June 2003 in Accra.

- Workshop organized by the Ghana Anaesthetists Society on 'Perioperative blood utilization'. May 2003, Accra.
- Resource person for refresher course in Anaesthesia organized on behalf of the Faculty of Anaesthesia, West African College of Surgeons. August 2003, Accra. Papers read : i. Paediatric Anaesthesia
ii. Pain relief in children

Baddoo, H.K.

- Resource person for refresher course in Anaesthesia organized on behalf of the Faculty of Anaesthesia, West African College of Surgeons. August 2003, Accra.

Boni, F.

- Resource person for refresher course in Anaesthesia organized on behalf of the Faculty of Anaesthesia, West African College of Surgeons. August 2003, Accra.
- West African College of Surgeons meeting, Abuja, January 2003
- Neonatal Resuscitation courses with Dr Medge Owen, USA in Accra and Kumasi for Anaesthetists and Medical Officers. May 2003

Lampthey, Eugenia

- West African College of Surgeons annual conference. Abuja, Nigeria January/February 2003.
- Ghana Anaesthetists Society meeting. May 2003, Accra
- Workshops on the establishment of Ghana Ambulance Service.
 - i. Drawing up curriculum for training of paramedics
 - ii. National Coordinator for training of paramedics
 - iii. Member, committee for establishment of institutional based ambulance service. ,
- Resource person for refresher course in Anaesthesia organized on behalf of the Faculty of Anaesthesia, West African College of Surgeons. August 2003, Accra
Papers : i. The multi-traumatized patient
ii. Burns and its management
iii. Case report – Cardiac arrest following severe haemorrhage.
A case of prolonged use of NSAIDS.

Aniteye, E.

- Euroanaesthesia Conference. Glasgow, Scotland. 31 May-3 June 2003
- Resource person for refresher course in Anaesthesia organized on behalf of the Faculty of Anaesthesia, West African College of Surgeons. August 2003, Accra.
Papers presented : i. Blood conservation methods.
ii. Thoracic Anaesthesia
iii. Acute lung injury and ventilation

Extension Service

Accreditation

The following mem/bers of the Department continue to undertake accreditation exercises for the Medical and Dental Council and the College of Physicians and Surgeons of Ghana :-

- i. Prof. Yaw Adu-Gyamfi
- ii. Dr Gladys Amponsah
- iii. Dr Henry Baddoo
- iv. Dr Eugenia Lamptey
- v. Dr Frank Boni
- vi. Dr Ernest Aniteye

Outreach Programme

Dr Eugenia Lamptey participated in outreach programmes at hospitals in Nkwanta, Ho, Cape Coast Sekondi and Mampong. She is currently Vice-President of the Ghana Anaesthetists Society.

Prof. Yaw Adu-Gyamfi is currently President of the Ghana Anaesthetists Society, member of the Civil Service Council, National population Council and member of the Executive Council of the Ghana Medical Association.

DEPARTMENT OF ANATOMY

Overview

The Department of Anatomy was involved in teaching, research and extension activities during the year under review. The department had the opportunity to host the 10th International Congress of the Anatomical Society of West African in May 2003.

Prof. Aaron Lawson delivered his inaugural lecture.

Courses

The Department offered courses at the following levels:

Courses offered		Number of Students
BSc Medical Sciences	(Level 300)	103
BSc Physiotherapy	(Level 200)	15
BSc Radiography	(Level 200)	11

BSc Medical Lab. Technology (Level 200)	11
M.Phil	5
West African College of Surgeons (Primaries)	4
TOTAL	149

Four M.Phil students presented their theses for assessment.

Staffing Position

a. 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
Prof. F.K. Addai	Associate Professor
Dr.Mrs. Esther E. Dennis	Senior Lecturer
Prof. F.N.L. Engmann	Assoc. Professor (Part Time)

Dr. F.K. Addai was promoted to the grade of Associate Professor.

b. 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
Mr. Andrew Mingle	Technician

Mr. Edmund Mensah completed a Diploma in Medical Laboratory Technology course in Legon.

c. Junior Staff (2)

Mrs. Madalene Ennin -	Senior Clerk
Mr. Edward Mensah	Messenger

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.

Publications

Lawson, A., & Schoenwolf, G.C.

- (2003) Epiblast origins of the endoderm in the gastrulating chick embryo. *Development* 130:3491 – 3501.

Addai, F.K., Nuamah, I.K., Parkins, G.E.A .

- (2002) Brief chewing of *Garcinia manii* stick reverses reduced saliva pH after a glucose rinse. *Med. Sci. Monit.* 8(11): CR746-750.
- Addai, F.K., Nuamah, I.K., Addo, J. (2002) Human saliva pH changes after ingestion of Golden Tree chocolate and the effect of stick chewing. *J. Gh. Sci. Assoc.* 4(1): 8 - 13.

- Addai, F.K. (2002) The healthful benefits of chocolate. Ghana Health Digest, 2(2):26-29.
- Addai, F.K., Henson, M.C (2002) Types of multinucleated cells in cytotrophoblast cultures monitored for ten days, as revealed by rhodamine 123. Placenta, 23(7):A11.
- Addai FK, Henson, M.C. (2002) Types of mononucleated cells in ten-day cytotrophoblast cultures, as revealed by rhodamine 123. Placenta 23(7):A11.
- Addai, F.K. (2003) Component volume determination by the point counting stereological method: apologia for utilization of absolute volumes. Programme brochure, 10th ASWA Conference, pg. 30.

Lawson, A.L., Schoenwolf, G.C.

- Formation of the endodermal layer in the gastrulating chick embryo. Book of Abstract p.29.

Shang-Quartey, S, Addai, F.K.

- (2003) Comparative studies of the component volumes of big and small placentas attached to big neonates. Programme brochure, 10th ASWA Conference, pg. 31.

Dennis, E.E., Tagoe, C.N.B., Yates, R.D., Ayettey, A.S.

- (2003) Comparative ultrastructural morphometry of the relationship between the sarcoplasmic reticulum transverse tubules and myofibrils in ventricular myocytes of the hamster and bat.
- Book of Abstract p27, 10th International Conference of the Anatomical Society of West Africa (ASWA) 11 – 14th May, 2003, Accra.

Adjenti, S.K. , Ayettey, A.S., Tagoe, C.N.B. Dennis, E.

- Development of transverse tubular system (T-tubules) in the hamster (*Mesocricetus auratus*) myocardium. Pg 15

Adutwum-Oforu, K., Lawson, A.L., Tagoe, C.N.B., Dennis, E.

- Wound healing in the hindbrain of the chick embryo. Pg. 20.

Ahenkorah, J., Engmann, F.N.L., Lawson, A.L.

- Studies on the morphological variations of the human umbilical cord. Pg 28.

Lartey, S.N.A., Tagoe, C.N.B., Lawson, A.L.

- The in vivo assessment of the embryo toxicity of chloroquine in the rat. Pg 35.

Conferences/Workshops/Seminars

Lawson, A.L.

- Strategic Planning Workshop, College of Health Sciences, University of Ghana 6 – 11 October, 2002, Swedru.

- Inaugural lecture titled "Mechanisms of Early Development: Insight into Birth Defects" April 3, 2003.
- 10th International Conference of the Anatomical Society of West Africa (ASWA) 11 – 14th May, 2003, Accra.
- Society for Developmental Biology. Annual Conference Boston, USA. July 30 – August 3, 2003

Ayettey, A.S.

- 10th International Conference of the Anatomical Society of West Africa (ASWA) 11 – 14th May, 2003, Accra.

Tagoe, C.N.B.

- Strategic Planning Workshop, University of Ghana, College of Health Sciences, 6 – 11th October, 2002, Swedru.
- 10th International Conference of the Anatomical Society of West Africa (ASWA) 11 – 14th May, 2003, Accra.
- 7th Annual Meeting of the International Association of Medical Science Educators, Washington DC, USA, July 19 – 22, 2003.

Addai, F.K.

- 8th Meeting of International Federation of Placental Associations (IFPA) & 5TH Meeting, Australia and New Zealand Placental Research Association; Hilton on the Part, Melbourne, Australia, 6 – 10th October, 2002.
- 10th International Conference of the Anatomical Society of West Africa (ASWA) 11 – 14th May, 2003, Accra.

Dennis, Esther

- 10th International Conference of the Anatomical Society of West Africa (ASWA) 11 – 14th May, 2003, Accra.

Extension Work

- Profs. Tagoe and Lawson acted as External Examiners in Anatomy at the Primary Fellowship Examinations of the West African College of Surgeons in October, 2002 and April 2003 at Ibadan and Ghana respectively.
- Prof. Lawson and Prof. Addai are Editor and Assistant Editor, respectively, for the West African Journal of Anatomy.
- The Department hosted the Ghana edition of the WACSP Primary Examinations in October 2002 and April 2003.
- The Department also hosted the 10th Annual Conference of the Anatomical Society of West Africa (ASWA) in May 2003.
- Prof. Addai acted as Co-editor, the Ghana Health Digest, a publication of the Health Foundation Ghana.
- Prof. Addai acted as Assistant Editor, West African Journal of Anatomy.

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 was made of Head of Department. 2 MPhil students completed their program of studies. Two new lecturers were recruited after successfully completing their MPhil programmes. DMLT Student – (Dosoo David) pursued further training for BSc 2001-2003 in Biochemistry

Staffing Position

Academic/Research Staff	4
Senior Staff	6
Junior Staff	2

Courses Taught/No. of Students

Level 300	(BSc – Medical Laboratory Science	9
Level 400	(BSc " " " " " "	11
Level 400	(BSc " " " " " "	106
DMLT		14
MPhil		2

Department of Chemical Pathology also offers Postgraduate training – Residency training in Laboratory Medicine and Pathology. Four of such student rotated through the department this year.

Research Activities

1. Assessment of the quality of pure water
2. Reference range for Prostate specific Antigen in Adult male Ghanaians between the ages of 20-40 years.
3. Comparison of End Point and Kinetic methods for the quantitative determination of urea in plasma
4. Ratio of free to total PSA in clinically diagnosed cancer of the prostate
5. A study to determine the reference values of ADA (Adenosine Deaminase) in children and neonates in diagnosing tuberculosis meningitis

Publications

Duah, O.A., Oyeyinka, Maddy, S. G., Asare Anane et al

- Serum Immunoglobulin (IgG, IgA and IgM levels in Adult Ghanaians (GMJ June 2003 Vol. 37 2).

Conferences/Seminars/Workshop

1. Capacity building workshop (4-10 May 2003).

2. Medical Science Seminar May 17 2003, Elmina Beach Resort.
 3. Strategic Planning of the College of Health Sciences. Swedru (Oct – 11 2002).
 4. 55th Annual Meeting and Clinical Lab. Exposition for Clinical Chemistry in Philadelphia and Pennsylvania - U.S.A (July 20- 24th 2003) – David Dosoo
- Abstract: Lactose Breath hydrogen test in apparently health Ghanaian Subjects (Clinical Chemistry Vol. 49 No.6, supplement 2003).

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, as wells as teaching responsibility in the basic science departments.

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 and also improve in the quality of teaching.

DEPARTMENT OF CHILD HEALTH

Overview

The year under review was a very busy and challenging one for the Department with an increased number of students, heavy clinical workload and research activities. Senior Members served on Committees for the Medical School, the College of Health Sciences and the University of Ghana. They also carried out a lot of extension services to the Korle Bu Teaching Hospital, Ministry of Health, Ghana Health Service and the West African College of Physicians.

Courses Taught

1.	MB. ChB Part I Final in Paediatrics.	Student numbers	78
2.	Postgraduate Residency Programme –	Student numbers	15
3.	Postgraduate Residents from other Departments		4

Staffing Position

Senior Members

1.	Prof. Janet Neequaye	Professor
2.	Prof. J.O. Oliver-Commye	Professor (On Contract)
3.	Prof. S.H. Annobil	Professor (On Contract)
4.	Dr. Onike Rodrigues	Senior Lecturer / Head of Dept.
5.	Dr. Jennifer Welbeck	Senior Lecturer (Sabbatical Leave)
6.	Dr. Bamenla Goka	Senior Lecturer
7.	Dr. Lorna Renner	Lecturer
8.	Dr. Christabel Enweronu-Laryea	Lecturer
9.	Dr. Ebenezer Badoe	Lecturer
10.	Dr. Albert G. Boohene	Senior Lecturer (Part-Time)

Senior Staff

1. Mrs. Victoria Pappoe
2. Mrs. Anna Amissah

Junior Staff

1. Mr. Jonas Karikari
2. Mrs. Mariatu Mahmoud
3. Mr. Richard Bawah

Research

1. Malaria
2. Paediatric Bacterial Meningitis Surveillance – *Q*Haemophilus Influenzae type B
3. Adverse Events Following Immunization
4. Sickle Cell Disease
5. Burkitt's Tumor Chemotherapy Study

Publications

Rodrigues, O., Goka, B.

- Galactosemia in three Ghanaian Children. Ghana Medical Journal June 2003; 37 (2); 89 -92.

Oduro-Boatey, C, Rodrigues, O.

- Stevens-Johnson Syndrome in two Ghanaian Children following antimalarial treatment. (Accepted for publication – Tropical Doctor).

Adjei, A., Lartey M, Adiku, T.K, Rodrigues, O., Renner, L, Sifah E, Mensah, J.D., Akanmori, B.D., Otc here, J, Bentum, B.K., Bosompen, K.M.

- Cryptosporidium eocysts in Ghanaian AIDS Patients with Diarrhoea. East African Medical Journal, Vol. 80. No. 7. July 2003

Welbeck, J., Biritwum, R.B. & Mensah, G.

- Factors affecting the Survival of the "at risk" newborn at KBTH, Accra, Ghana, WAJM 2003, 22 (1) 55-58.

Welbeck, J.

- Literature Review "Infant and Young Child Nutrition in Ghana" prepared for John Hopkins University Center for Communication Programs JHU/CCP May 2003.

Garred P., Nielsen, M.A., Kurtzhals, J.A., Malhotra, R., Madsen, H.O., Goka, B.Q., Akanmori, B.D., Sim, R.B., Hviid, L.

- Mannose-Binding Lectin Is a Disease Modifier in Clinical Malaria and May Function as Opsonin for Plasmodium falciparum – Infected Erythrocytes. Infect Immun. 2003, Sept.; 71 (9): 5245 – 5253.

Kurtzhals, J.A., Helleberg, M., Goka, B.G., Akanmori, B.D.

- Severe malaria in West African children. 1393. *Lancet* 2003, April 19: 361 (9366): 1393.

Kemp, K, Akanmori, B.D., Kurtzhals, J.A., Adabayeri. V., Goka, B.G., Hviid, L.

- Acute *P. falciparum* malaria induces a loss of CD28 – T IFN – gamma producing cells. *Parasite Immunol.* 2002. Nov – Dec. 24 (11 – 12): 545-8.

Gyan, B., Goka, B.G., Cvetkovic, J.T., Perlmann, H., Lefvert, A.K., Akanmori, B.D., Troye-Blomberg, M.

- Polymorphisms in interleukin – 1 beta and interleukin-1 receptor antagonist genes and malaria in Ghanaian children. *Scand J Immunol.* 2002, Dec. 56 (6): 619-22.

Conferences/Seminars/Workshops

Rodrigues, Onike, Goka, Bamenla

- 3rd Multilateral Initiative on Malaria Africa Conference in Arusha International Conference Centre, 17th – 22nd November 2002. Papers Presented:
1. Acute Massive Intravascular Haemolysis in Ghanaian Children – by Dr. Goka.
- Clinical and Laboratory features of severe malaria in Ghanaian Children – by Dr. Onike Rodrigues.

Rodrigues, Onike, Welbeck, Jennifer

- West African College of Physicians 26th Annual General and Scientific Meeting. November 2nd – 7th 2002. Banjul the Gambia.
Dr. Jennifer Welbeck
- Participant at Workshop on “Nutrition Essentials” for Tutorial Lecturers organized by Linkages/MOH Oct. 2002 in Aburi.
- Participant, IMCI Facilitator Training Workshop organized by WHO/GHS- Accra Oct. 2002.
- Participant at two (2) meetings of the WHO Product Development Group for Aerosol Measles Vaccine, a Geneva, Switzerland, (Feb. 2003) and Baltimore USA (July 2003).
- Facilitator: IMCI Abridged Course in Accra organized by WHO/GHS April 2003.
- Participant: Regional Professional Development Training on Prevention of Mother To Child Transmission (PMTCT) of HIV/AIDS in Zambia by Linkages AED/USAID.
- Facilitator: Infant Feeding & HIV/AIDS/PMTCT Training organized by WHO/GHS in Accra July 2003.
- Facilitator: IMCI Facilitation Training organized by WHO/MOH, July 2003.

Renner, Lorna

- Participant: HIV Clinical Care Workshop. 27th – 28th November 2002. Accra.

Enweronu-Laryea, Christabel

- Facilitator: Workshop on Integrated Management of Childhood Illnesses IMCI organized by Ghana Health Service and World Health Organisation. March 2003.
- Resource person – IMCI Planning Workshop on Pre-Service Training in Ghana at Erata Hotel. February 11th – 13th 2003.
- Co-ordinator - Workshop on Neonatal Resuscitation for Doctors, Nurses in Korle Bu Teaching Hospital and some Hospitals, Accra.

Badoe, E.

- Participant: Formation of Ghana Respiratory Society and Formulation of Asthma Management Guidelines for Ghana. 11th – 13th April 2003, Miklin Hotel, Accra.
- Participant: Multi Sectoral Policy Meeting of Allied Partners to Develop a Policy Frame work for the establishment of an integrated response on Child Abuse, Prevention and Protection. 23rd July 2003, Labadi Beach Hotel, Accra
- Participant: Health Writing Workshop – Seminar Organised by the British Medical Journal. 29th July 2003, Korle Bu.

Courses Attended**Rodrigues, Onike and Goka, Bamenla**

- Health Administration and Management Course for Senior Health Workers Organised by the Ministry of Health and GIMPA, on 21st October to 15th November 2002 and 2nd - 27th June 2003 respectively.

Rodrigues, Onike

- Attended the Capacity Building Orientation workshop for Deans, Directors and Heads of Department, University of Ghana, Legon on 20th – 22nd January 2003 at Basement, Great Hall.

Welbeck, Jennifer

- Participant: Neonatal Update Course for Senior Paediatricians organized by Imperial College, Faculty of Medicine London Nov/Dec. 2002.

Renner, Lorna

- Mid-level Management Inter-country Training Course on Expanded Programme on Immunization, Pretoria, South Africa, 4th – 13th June 2003
- Diploma in Health Economics – Online Course from Curtin University, Australia. April – November 2003.

Enweronu-Laryea, Christabel

- Certificate in Health Economics.

Committees Served On**Rodrigues, Onike**

- Member - College of Health Sciences Academic Board.
- Member - University of Ghana Medical School Academic Board.
- Member - Tutorial Board – UGMS.
- University of Ghana Medical School Education Committee.
- College of Health Sciences Library Committee
- Examiner, West African College of Physicians, Faculty of Paediatrics.
- Member – Ghana College of Physicians and Surgeons Implementation Working Committee.
- UGMS – Clinical Interdepartmental Committee.

Goka, Bamenla

- Tutorial Board, UGMS – 1998 to date
- 1st Annual Scientific Meeting Planning Committee, 2003-UGMS.
- Appointments and Promotions Committee for Senior & Junior Staff – College of Health Sciences, January 2002 to date.
- Special Committee on Admissions for foreign students 2003/2004 Academic Year – UGMS.
- Roll Back Malaria Coordinating Committee for Ghana – May 2003 to date.
- Ethics and Protocol Review committee UGMS, 2001 to date.
- Ad Hoc committee to Develop Guidelines on the Establishment of Academic Prizes for UGMS.
- Training coordinator for Paediatric Faculty, West African College of Physicians (WACP).

Renner, Lorna

- Member - Academic Board of U.G.M.S.

Badoe, E.

- Member - Board of University of Ghana Primary School Committee.
- Member - Dean's Guest House Committee.
- Member - Academic Board, University of Ghana.

Extension Services**All Senior Members**

- Provided clinical services to Korle Bu Teaching Hospital.
- Founding members of Korle Bu Child Health Foundation.
- Members – Paediatric Society of Ghana.

Rodrigues, Onike

- Member – Ministry of Health/Ghana Health Service. Ghana Anti Malarial - Drug Review Task Force.
- Resource Person – IMCI Planning Workshop on Pre-Service Training in Ghana. Erata Hotel, February 11th- 13th 2003.

- Sickle Cell Association of Ghana – Vice President 2001 to date.
- Ghana Sickle Cell Association. Interim Executive Committee member. October 2002 to date.
- President - Korle Bu Child Health Foundation. September 2002 to date.
- Member – Interview Panel for Medical Officers and House Officers for Korle Bu Teaching Hospital. August 29th 2003, and September 12th 2003.
- Member of Malaria Case Management Training Task Force 2001 to date.

Goka, Bamenla

- Roll Back Malaria Coordinating Committee for Ghana – May 2003 to date.
- Member of Malaria Case Management Training Taskforce. 2001 to date.
- Member of Taskforce to adapt WHO Generic IMCI/RBM (Integrated Management of Childhood Illness/Roll Back Malaria) algorithmic for the Management of Fever at Peripheral Health Facilities to Ghanaian situation. 18th – 19th August 2003. WHO Office, Accra.
- Reviewer of articles for Ghana Medical Journal.
- Chairperson of Mother's Hostel Management Committee. November 2002 to date.
- Member of Taskforce to Review Standard Treatment Guidelines for 2003.
- External examiner in Paediatrics at SMS, KNUST. February 24th – 28th 2003.

Renner, Lorna

- General Secretary – Paediatric Society of Ghana. November 2001 to date.
- Member – National Advisory Committee on Vaccine Safety.
- Member – Interagency Coordinating Committee for Expanded Programme on Immunisation.

Enweronu-Laryea, Christabel

- Member, National Advisory Committee on Vaccine Safety from 2003 to date.

Badoe, E.

- Board Member – New Horizon Special School.
Key Note Lecture – Seminar on “Parent Empowerment” at the Methodist Cathedral. 30th November 2002 to PACID (Parents of Children with Intellectual Disability). Seminar at Methodist Church, Accra. Keynote speaker: Lectures delivered, “Parent Empowerment”.
- AGAPE Orphanage, Adenta – Provision of free Specialist Paediatric Services.
- Nestle Seminar on Child Development at Golden Tulip Hotel on 30th May 2003. Delivered Keynote Lecture on Critical thinking about child Development and Breastfeeding.
- Seminar Organised for General Practitioners on Current Asthma Management. Alisa Hotel, 16th July 2003. Lecture delivered – “Paediatric Asthma and Current Management Strategies”
- Paediatric Society of Ghana Quarterly Meeting at 37 Military Hospital on the 18th July 2003. Delivered LECTURE “Epilepsy in Children”.

- Workshop for mothers of Children with Disability Presbyterian Women's Centre, Abokobi. 9th - 12th September 2003. Delivered a Lecture on Loving and Care for special Children – the Medical Perspective.
- Korle Bu Child Health Foundation – Member and Public Relations Officer.

Visitor to the Department

Prof. Peter Hesselning
University of Stellenbosch
Tygerberg
South Africa

DEPARTMENT OF COMMUNITY HEALTH

Overview

The goal of the Department of Community Health is to train medical students to identify major problems affecting the health of communities and their solutions.

The Department ran four main courses during the past academic year for the undergraduate programme. Training towards the award of Fellow of West African postgraduate programme for five residents was also provided. Staff members were involved in several international and local research activities. The department provided clinical service at the Medical School clinic and members provided technical services to the Ministry of Health, Ghana Health Service as well as other national bodies.

Courses and Number of Students

Course	Title	Number of Students
First Clinical Year	Junior Clerkship and MBIII	103
	Co-ordinated course in Medicine and Surgery	103
Third Clinical Year	Senior Clerkship in Community Health	76
Primary	West African College of Physician (WACP)	5
Part I	West African College of Physician (WACP)	4

Current Members of the Department of Community Health

Head of Department
Professor Richard Berko Biritwum

Professor
Lecturer Biostatistics
Dr. Rosemary Richardson
Lecturer (Sabbatical Leave)
Reproductive and Child Health / Family Planning

Dr. Edith Tetteh
Lecturer
Behavioural Science and Health Education

Staff on contract: Epidermiologists (2)

Professor Gilford A. Ashitey
Professor

Epidemiology and Health Management

Professor Lawrence Y. Osei
Associate professor
Epidemiology

Residents (7)

Senior Staff

Senior Research Assistants (6)
Chief Nursing Officer (occupational health)

Computer data entry staff (2)
Administrative Secretary
Mapper (1)
Office Clerks (1)
Secretary

Consultants, Visiting Scholars
Professor Don Belcher

Field Stations

Danfa Rural Health Centre
District Health Clerkship Hospitals
Akosombo hospital
Apam Hospital
Nkawkaw Catholic Hospital
Nsawam Hospital
Suhum Hospital
Winneba Hospital
Atibie Government Hospital

Links with the Ministry of Health and other organisations

Public Health Reference Laboratory
Disease Control Unit
Centre for Health Statistics
Tuberculosis Control Unit

Research Activities

1. World Health Survey (A survey of 6000 randomly selected households in Ghana for Study on Health and Health Services Responsiveness). Sponsored by World Health Organization
2. Home Management of Malaria
3. Rotavirus Epidemiology
4. Cost of Out-migration of doctors and other health professionals

Publications

Welbeck, J and Biritwum, R. B.

- Factors Affecting the Survival of the at Risk Newborn at Korle Bu Teaching Hospital. Submitted to West African Journal of Medicine
- Biritwum R.B. Impact of Health Care Financing Reforms on the Management of Malaria in Ghana. East African Medical Journal 2001;78 (12):636-640.
- Biritwum, R. B. and Bresee, J. Generic Protocol for a Community-based survey on unitization of health Care Services for Gastroenteritis in Children under 5 years of age. WHO/V&B/02.15 Pg45-64

Conferences/Seminars/Workshops

Workshop on Appropriate home Management of Malaria with Private Sector Participation: Mamprobi Polyclinic, Accra

APOC Impact Assessment of Studies Second Phase: Ougadougou, Burkina Faso.

Benefactions

University of Westminster (UoW), UK and the University of Ghana Medical School (UGMS) Link: With Provision of Office Furniture and Two Computers for Scientific Interests

Visitors

Dr. Emelda Bates	Liverpool School of Tropical Medicine
Judy Vallert	Judy Vallert Foundation
Dr. Andrew Kosia	WHO/AFRO, Brazzaville
Dr. Rosemary B. Duda	Harvard Medical School
Prof. Allan Hill	Harvard School of Public Health, USA
Amy Hogopian	Washington University

Conclusion

The Department has been able to discharge its responsibilities with the help of many tutors, part-time lectures and field supervisors. There is a need to actively support staff Development to improve the participation in research activities.

CENTRE FOR TROPICAL CLINICAL PHARMACOLOGY AND THERAPEUTICS

Overview

The Centre for Tropical Clinical Pharmacology and Therapeutics (CTCPT) is a clinical and research department within the University of Ghana Medical School (UGMS) which, uniquely, has links with several departments within the University of Ghana, Ministry of Health (MOH), Ghana Health Service (GHS) and international organizations. The Centre conducts field and clinical studies on drugs used in tropical diseases, particularly malaria. Academic Staff in the department are specialized in the areas of pharmacogenetics, pharmacoepidemiology and drug use intervention studies.

The Centre is active in the promotion of Rational Drug Use (RDU) in collaboration with the MOH and GHS. Its staff are facilitators on courses run both locally and internationally for medicine prescribers by the International Network for the Rational Use of Drugs (INRUD). The Centre has set up a National Pharmacovigilance (Adverse Drug Reporting) programme in collaboration with the Food and Drugs Board of Ghana, making Ghana one of a few countries in Africa participating in the World Health Organisation's (WHO) Drug Monitoring Programme. Dr Alex Dodoo, who is the coordinator for Pharmacovigilance in Ghana is also a member of the WHO Global Advisory Committee on Vaccine Safety, the Council for International Organisation of Medical Sciences (CIOMS) and the WHO Core Group on Pharmacovigilance and Drug Development in Resource-Poor Countries.

Staffing position of the Department as at September 2003

Academic Staff

Prof. K.K. Agyepon-Yamoah
Dr. Francis Ofei
Dr. Alex Dodoo
Mr. William Kudzi
Mr. Neils Ben Quashie

Professor (on contract)
Snr Lecturer/Acting. Director
Research Fellow
Research Fellow
Research Fellow

Senior Staff

Mr. Michael Ofori-Adjei
Mr. Edmund Nartey
Mrs. Selie Baiden
Mr. John Tsakpo
Mr. Caleb Buenortey
Ms. Linda Ofosu
Mr. Samuel Daniels

Chief Technician
Senior Research Assistant
Senior Admin. Assistant
Technician (on Study Leave)
Technician (on Study Leave)
Admin. Assistant (on relieving duties)
Office Assistant

Teaching

Academic staff of the CTCPT run undergraduate and postgraduate courses in clinical pharmacology. Additionally, Dr. Ofei teaches endocrinology and gives clinical instructions for the introductory, co-ordinated, senior clerkships and postgraduate courses in internal medicine. Mr. Neils Quashie gave lectures in the Department of Medical Biochemistry to level 300 students this academic year.

Research Activities

Ofei, F.

- Prospective out-patient clinic study of endocrine, lipid and metabolic disorders in Ghana
- Assessing and correcting errors in prescription writing.
- Interventions to Improve Antibiotic Prescribing in Junior Doctors

Dodoo, A.

- Pharmacovigilance: safety monitoring of allopathic and traditional medicines
- Monitoring of adverse events following immunization
- Safety monitoring of drugs used in tropical diseases including malaria
- Interventions aimed at improving rational use of drugs
- The role of Drug and Therapeutics Committees (DTCs) in promoting the rational use of medicines

Kudzi, W.

- Phase II Neoadjuvant Study in Sequential use of Epirubicin and Docetaxel with Capecitabine in locally advanced Breast Cancer
- Detection, assessment and prevention of adverse events following immunisation with newly - introduced pentavalent vaccine in Ghana's Expanded Programme on immunisation.
- Glycated haemoglobin and thyroid hormone studies in outpatients attending a large endocrine clinic service.

Quashie, N.

- Antimalarial drug resistance studies in Ghana (Hohoe, Navrongo, Tarkwa) – WHO funded project
- Use of radionuclide techniques in mapping drug resistance in Ghana – International Atomic Energy Agency funded project

Publications

Ofei, F.

- Walubo A, Burch V, Parmar P, Raidoo D, Cassimjee M, Onia R, Ofei F. A Model for Selecting Assessment Methods for Evaluating Medical Students in African Medical Schools. *Academic Medicine* Vol 78, No.9: 899 - 906. September 2003

- Ofei F, Appia-Kusi J, Nyonator D.: Growth Hormone Deficiency Associated With Acquired Immune Deficiency Syndrome - cause or coincidence. Ghana Medical Journal. Vol. 37 No. 2: 93 – 95. June 2003
- Adams I, Agyepong I, Dubbeldam R, Ofei F (authors in alphabetical order) Final Report on the Evaluation of the first phase of the Ghana National Drugs Programme (GNDP) 1997 – 2003 written for the Ministry of Health, Ghana and the Royal Netherlands Embassy. Ministry of Health, GNDP, May 2003
- Lassey AT, Ofei F. :Housemanship training and experience in Ghana - a questionnaire survey of house officers. Ghana Medical Journal, Vol. 36 No. 4. 150 - 156 Dec 2002

Dodoo, A.

- Dodoo, A.N.O. (2002). Fosmidomycin: A wonder drug that kills herbs and cures malaria. Ghana Pharm. J. 25(3):40.

Kudzi, W.

- Adjei A.A, Kudzi W, Adiku, T, Armarh H, Amoah A.G.B, Ansah, J. Prevalence of antibodies to Syphilis among blood donors in Accra, Ghana. Japanese Journal of Infectious diseases. (Accepted for Publication), 2003

Courses/Seminars/Workshops

Ofei, F.

- Interactive International Workshop on Reconstructive Surgery of the Lower Urinary and Genital Tracts. 29 September 2003, Accra - Faculty Topic: Ambiguous Genitalia - classification and investigations.
- Third Annual Research Meeting of the Noguchi Memorial Institute for Medical Research, 23 - 25 September 2003, Accra - Speaker: Paper - Evaluation of a 3-yr training of Healthcare Professionals in Diabetes Care.
- Ghana Surgical Research Society Symposium on the Surgical Complications of Diabetes Mellitus. 17 September 2003, Accra - Speaker: Topic - Overview of Diabetes Mellitus.
- Society of General and Private Medical Practitioners. Continued Medical Education, 13 July 2003, Accra - Speaker: Topic - Current Perspectives in the Management of Type2 Diabetes Mellitus.
- Workshop on Ghana National Drug Programme Plan of Action, 2 – 4 July 2003, Swedru. Participant
- Ghana Medical Association Seminar on Antibiotic use, 9 May 2003, Accra. Speaker Topic: Drug Interactions.
- Drugs and Therapeutics Committees Trainer of Trainer Course, 5 - 9 May 2003, Sogakope. Facilitator
- 52nd Annual Scientific Session, American College of Cardiology Conference, 29 March - 2 April 2003, Chicago, USA. - Participant
- Regional Consultation on WHO Global Strategy on Diet, Physical Activity and Health, 18 - 20 March 2003, Harare, Zimbabwe - Chairman/Participant
- Glaxo-Smith-Kline Workshop during launch of Rosiglitazone, 11 October 2003, Accra. Speaker - Topic: Diabetes Management in Ghana.

Dodoo, A.

- Meeting of the CIOMS/WHO Core Group on Pharmacovigilance and Drug Development in Resource Poor Settings. Geneva, Switzerland. 24-26 September 2003.
- Workshop on Ghana National Drug Programme Plan of Action, 2 – 4 July 2003, Swedru.
- Drugs and Therapeutics Committees Trainer of Trainer Course, 5 - 9 May 2003, Sogakope.
- International Workshop on Drug and Therapeutics Committees organised by the World Health Organisation in conjunction with Management Sciences for Health USA and Ministry of Health, Zambia. Lusaka, Zambia. 25 - 27 June 2003.
- Bi-annual meeting of the Global Advisory Committee on Vaccine Safety. Geneva, Switzerland. 11-12 June 2003.
- 6th International Training Course on "Pharmacovigilance – the study of adverse drug reactions". Uppsala, Sweden. 11 - 23 May 2003.
- World Health Organisation Workshop on: "Pharmacovigilance: Basic Introduction and Specifics for Malaria Programme". Lusaka, Zambia. 24 March – 2 April 2003.
- Ministry of Health /Ghana National Drugs Programme maiden workshop on Drugs and Therapeutics Committees. 2 – 9 May 2003.
- GSFMEL Training of Trainers Workshop. Accra, Ghana. 10– 14 March 2003.
- Workshop on Critical Thinking and Medical Writing for media practitioners in Ghana. Accra, Ghana. 3 – 5 March 2003.
- Rational Use of Drugs Training for Nurses at the Department of Obstetrics and Gynaecology, Korle-Bu Teaching Hospital. Accra. 27 December 2002.
- Three-day residential workshop for Clinical Pharmacists in Ghana. Agona Swedru, Central Region, Ghana. 16 -18 December 2002.

Quashie, N.

- Third Annual Research Meeting of the Noguchi Memorial Institute for Medical Research, Accra. 23 - 25 September 2003,
- WHO-TDR/MIM Antimalarial Drug Resistance Network meeting on Clinical Pharmacology, Stockholm, Sweden. 18 – 24 August 2003
- WHO-TDR/MIM Antimalarial Drug Resistance Network Training Workshop on Clinical Trails and Bioethics. Accra. 25 – 29 May 2003.

DEPARTMENT OF HAEMATOLOGY

Overview

Diplomate (DMLT), undergraduate and postgraduate teaching were done. Clinical and Laboratory Haematology services to the Korle-Bu Teaching Hospital as well as Management of the Centre for Clinical Genetics continued. Workshops, Seminars and Conferences were attended.

Courses Offered and Student Numbers

Undergraduate Course	Student Numbers
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Level 400 (U G M S) (Haem 401, 402, 403, 404)	102
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DMLT (Haem 041, 042, 043, 044)	9
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BSc MLAB 212	11
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BSc Medical Laboratory Technology (MLHA 301, 302, 303, 304)	9
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BSc Medical Laboratory Technology (MLHA 401, 402, 403, 404, 405, 406)	3
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Postgraduate

Mphil Elective Level 600	1
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West African College of Physicians and Surgeons
- Primaries, Part I, Part II

Staffing Position as at September 2003

Academic / Research	2
Senior Staff	3
Junior Staff	3

Research / Projects

- Longitudinal study of patients with Hyper-reactive Malarial Splenomegaly to document evidence of evolution into lymphoma. In collaboration with Liverpool School of Tropical Medicine and Komfo Anokye Teaching Hospital
Ongoing
- The Diagnosis of Malaria: Microscopy and serology compared. Ethical Approval received. Seeking for funds
- Use of Hydroxyurea in Sickle Cell Patients at the Centre for Clinical Genetics. Proposal being developed.
- All three senior members actively involved in organizing and establishing the Ghana National Postgraduate College.

Publications

K Teye, I K E Quaye, Y Koda, M Soejima, M TSuneoka, H Pang, I Ekem, A G B Amoah, A Adjei and H Kimura – “A 61C and C 101G Hp gene promoter polymorphisms are, respectively, associated with ahaptoglobinaemia and hypohaptoglobinaemia in Ghana.” Clin Genet 2003; 63: 1-5.

Conference / Seminars / Workshop

- 1st Continuing Medical Education Seminar, Ghana Medical Association – Accra. 9th May 2002. Attended by Prof. J. K. Acquaye.
- 2nd Continuing Medical Education Seminar, Ghana Medical Association – Accra. 4th September 2002. Attended by Prof. J. K. Acquaye
- 26th Annual General and Scientific Meeting of the West African College of Physicians. 4th – 7th November 2002. Attended by Prof. J. K. Acquaye, Dr. Ivy Ekem.
- Orientation Workshop for Deans/Directors and Heads of Departments,
- Seminar on Laboratory Equipment 17th May 2003. Attended by Prof. J. K. Acquaye and Dr. Ivy Ekem (Facilitators)
- Seminar on Budgeting, Accra. 20th May 2003. Attended by Dr. Ivy Ekem.
- Emergency Medicine Course, 2nd – 4th June 2003. Attended by Dr. Ivy Ekem.

Visitors

Dr. Edem Agama of International Health and Development Network, U S A (August 2003)

Prof. Lucio Luzzatto of Italy visited and gave an open lecture entitled “Current Status of Gene Therapy” (January 2, 2003)

Prof. Dr. Takeshi Fujimoto, Japanese Embassy Medical Attaché (3 and 4th September 2003)

Benefactors

- Mr. & Mrs. Quayor donated a computer to the Department on 13th March 2003.
- Unilever through the College and the Dean of the Medical School donated a computer to the Department on 13th August 2003.

DEPARTMENT OF MEDICAL BIOCHEMISTRY

Overview

During the period, August 2002 to September 2003, the Department of Medical Biochemistry offered courses to both under-graduate and post-graduate students of the Medical and Dental Schools and the School of Allied Health Sciences. Staff members at post carried out research activities in several areas of biochemical sciences, and also participated in both local and international seminars and workshops.

One senior member, that is the Head of Department, also served as the Director of the Medical Education Unit at the College of Health Sciences.

Dr. S.Y. Opong who had been on study-leave during the 2001 / 2002 academic year returned to his post on January 1, 2003.

Courses Offered

The Department offered courses at the BSc.(Medical Science), BSc.(Allied Health Sciences), Postgraduate and Professional Levels.

Student Numbers

Level 200 (School of Allied Health Sciences)	11
Level 300 (School of Allied Health Sciences)	6
Level 300 (Medical and Dental School)	101
Postgraduate (MPhil and Professional)	6
TOTAL	124

Staffing Position

The breakdown of staff at post was:

- 1 Associate Professor
- 2 Senior Lecturers
- 2 Lecturers
- 5 Senior staff
- 1 Junior staff

Out of this number 2 lecturers and 2 senior staff were on study leave. Professor A.G.B. Amoah, a professor of Medicine and two lectures, from the Department of Chemical Pathology and Mr. Neils Seth Quashie of the Center for Tropical Clinical Pharmacology and Therapeutics were attached to the Department for teaching purposes.

Research

- Allelic frequency of transthyretin Val 122 in West African Newborns.
- Medium chain AcylCoA Dehydrogenase Deficiency in Ghanaian Newborns
- Newborn screening for Metabolic Disorders.

Research Collaboration

- New York VA Hospital, New York, U.S.A.
- Department of Pediatrics, Columbia University, New York, U.S.A.

Conferences/Seminars

Asante-Poku, S.

- World Council on Medical Education, Copenhagen Denmark, March 2003.
- 7th Annual Meeting of Association of Medical Science Educators, Washington DC USA, July 19 – 22, 2003.
- Seminar on stress and stress management, May 2003, Korle-Bu
- 5-day Workshop on Management for Registrars and Senior Administrative staff of the College of Health Sciences, December 2002.
- 2-day workshop on the use of PowerPoint, March 2003.

Extension Work

Asante-Poku, S.

- External Examiner – Department of Molecular Medicine, School of Medical Sciences, KNUST, Kumasi.
- Member of the National Biosafety Committee
- Reviewer – Ghana Medical Journal.

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 postgraduate 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 of Department as at 2002/2003 Academic Year

(a) Academic / Research	15
(b) Senior Staff	4
(c) Junior Staff	6

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Courses 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:

1. **Introductory Course** **Clinical Medicine**
1st Clinical Year **4 weeks**
This course consists of daily 1-hour lectures followed by clinical demonstration on the ward in 2 sessions (morning – 2 hours, afternoon – 3 hours).
2. **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 on the wards.
3. **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.
4. **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.
5. **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
(a) Introductory Clinical Course in Medicine & Surgery	
(b) Junior Clerkship in Medicine/Surgery	139 (124 Medical Students & 15 Dental Students)
(c) Senior Clerkship in Medicine	79
(d) Dermatology Course	89
(e) Postgraduate Course in Internal Medicine	22

Research in the Department

Owusu, S.K.

- Herbal Medication in the treatment of Type 2 Diabetes Mellitus
- Herbal preparation in the treatment of Diabetic and Sickle Cell Disease Ulcers
- Treatment of complications of Hyperthyroidism

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.

- Acute Renal Failure in Ghana – Etiologic Factors
- Chronic Kidney Disease in Ghana
 - Etiologic Factors
 - Hypertension and Chronic Kidney Diseases in Ghana
- Glomerulonephritis in Ghana
 - Nephrotic syndrome and Causes and Natural History.

Kpodonu, J.

- Cardiac Register
- 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.

- Chronic Disease Management
- Genetics of Type 2 diabetes
- Genetics of Haptoglobin
- Epidemiology of Cardiovascular diseases
- Diabetes in Pregnancy
- Glucose monitoring methods in Ghanaian subjects with diabetes
- Diabetes care profile of subjects with diabetes
- Audit of hypertension care and practices
- Hypertension in Diabetes Mellitus
- Evaluation of a patient resource, Traffic Light booklet
- Epidemiology of obesity
- Pathogenesis of Type 2 diabetes 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.

- Prospective out-patients clinic study of endocrine, lipid and metabolic disorders in Ghana.
- Assessing and correcting errors in prescription writing
- Interventions to Improve Antibiotic Prescribing in Junior Doctors
- Adverse Drug Event Reporting

Nkrumah, K.N.

- Gastrointestinal Endoscopy (Upper) for Peptic Ulcer Disease
- Colonoscopic Study of Inflammatory Bowel Disease
- Faecal Pancreatic Elastase-1 Estimation in patients with Upper Abdominal Pain (with Mr. S. D. Amankwah, Dept. of Chemical Pathology).
- Towards Treatment of HBV and HCV Infections in Ghana : Prevalence and Genotypes of Hepatitis B (HBV) and C(HCV) Viruses in Different Population Groups Attending the Korle Bu Teaching Hospital (KBTH) with Prof. J.A.A. Mingle, Prof. A.K. Foli, Prof. Max Arens (Washington University Medical School, St. Louis, Missouri, USA)

Addo, H.A.

- Preliminary Studies on the Efficacy and Safety Evaluation of Two Herbal Ointment Preparations useful for Bacterial, Fungal and Viral Skin Infections with Dr. H.H. Sithe of Centre for Scientific Research into Plant Medicine, Mampong Akwapim.

Forson, Audrey

- An Intervention to improve Antibiotic Prescribing Habits of Doctors in a Teaching Hospital.
Principal Investigator – Prof. David Ofori-Adjei
Co-Investigators: Dr. Francis Ofei
Dr. Audrey Forson
Mr. Raymond Tetteh

An on-going study looking at the treatment prescribed for patient admitted to the Surgical Medical Emergency Ward and the Dept. of Medicine wards. Treatment Guidelines for treatment of Pneumonia / Lower Respiratory Tract Infection developed in the department with the cooperation/input of consultants in the department constituted the intervention. The study is expected to end in February 2004

Publications

Owusu, S.K.

- Owusu SK: Type 2 diabetes : are we missing the substance and chasing the shadow? Diabetes International (Middle East/Africa Edition 2002, 12 : 3
- Amoah AGB, Owusu SK, Adjei S, Diabetes in Ghana : a community based prevalence study in Greater Accra. Diabetes Research and Clinical practice 2002, 56 : 187 – 205.

Mate-Kole, M.O.

- Mate-Kole MO, Lartey Margaret: Hemolytic-Uremic syndrome : A case report from Africa. Renal Failure Vol. 25. No. 4 2003.

Amoah, A.G.B.

- Amoah AGB, Governments, payers and innovation in healthcare with particular reference to sub-Saharan Africa. Innovation in Medicine, (accepted for publication, 2003)
- Amoah AGB. Hypertension in Ghana: a cross-sectional community prevalence study in greater Accra. Ethn Dis. 2003 Summer;13(3):310-5.
- Amoah AGB, Schuster DP, Gaillard T, Osei K. Insulin sensitivity and cardiovascular risk factors in hypertensive and normotensive native Ghanaians. Diabetologia. 2003 Jul; 46:949-55.
- Amoah AGB. Obesity in adult residents of Accra, Ghana. Ethn Dis. 2003;13:S2(97-101)
- Adjei AA, Kudzi W, Armah H, Amoah AGB, Adiku TK. Prevalence of antibodies to syphilis among blood donors in Accra, Ghana. Japanese J. Infectious Dis. 2003;56:
- Teye K , Quaye IKE , Koda Y, Soejima M, Tsuneoka M, Pang H, Ekem I, Amoah AGB, Adjei A and Kimura H. A 61C and C 101G Hp gene promoter polymorphisms are, respectively, associated with ahaptoglobinaemia and hypohaptoglobinaemia in Ghana. Clinical Genetics 2003; 63: 1–5.
- Amoah AGB. Socio-demographic variations in obesity among Ghanaian adults. Journal of Public Health and Nutrition. (accepted for publication, 2003)
- Cooper RS, Amoah AGB, Mensah GA. High Blood Pressure: The foundation for Epidemic Cardiovascular Disease in African Populations. Ethnicity and Disease. 2003;13:S2(48-52)
- Amoah AG, Schuster DP, Gaillard T, Osei K. Insulin resistance, beta cell function and cardiovascular risk factors in Ghanaians with varying degrees of glucose tolerance. Ethn Dis. 2002;12:S3(10-7).
- Osei K, Schuster DP, Amoah AG, Owusu SK. Pathogenesis of type 1 and type 2 diabetes mellitus in sub-Saharan Africa: implications for transitional populations. J Cardiovascular Risk. 2003 Apr;10:85-96.
- Rotimi C, Daniel H, Zhou J, Obisesan, Guanjie Chen, Chen Y, Amoah A et al. Prevalence and determinants of diabetic retinopathy and Cataracts in West African Type 2 diabetes. Ethn Dis. 2003;12:S2(110-117).
- Addo J, Amoah AGB, Koram K. Hypertension in rural Ga: a study of four communities in the Ga District of Ghana. Ethn Dis 2003;12:S2-170(035).

- Amoah AGB. Correlates of Hypertension in Adult Ghanaians. . Ethn Dis 2003;12:S2-170(036).
- Keen KJ, Amoah AGB, Wright JT. Prescribing for hypertension in the United States. Ethn Dis 2003;12:S2:176(092)
- Amoah NEN, Amoah AGB et al. Evaluation of a patient resource and empowerment tool, The Traffic Light Diabetes Record Booklet: A preliminary report. Ethn Dis 2003;12:S2-180(031).
- Amoah AGB, Biritwum R, Amaning AO. Morbidity and mortality in Medical patients with Diabetes from a national referral centre in Ghana. . Ethn Dis 2003;12:S2-180(033).
- Amoah AGB. Socio-demographic correlates of obesity in Ghanaian adults. Ethn Dis 2003;12:S2-182(044).
- Amoah AGB. Innovation in care: A handy educational and empowerment tool for subjects with diabetes in low-resource settings. . Ethn Dis 2003;12:S2-183(034).
- Amoah AGB, Amegashie, et al. Sources of information on Diabetes for Ghanaian subjects with diabetes. . Ethn Dis 2003;12:S2-184(043).
- Addo J, Dodoo G, Amoah AGB, Pobee JOM. Circulatory diseases among hospitalized adults in a national referral centre in Africa. . Ethn Dis 2003;12:S2-193(032).
- Daniel H, Chen Y, Huang H, Doumaey A, Zhou J TA, Chen G, Amoah A et al. Association between hypertension, diabetes and the GLU298ASP polymorphism of the endothelial nitric oxide synthase gene in a cohort of West African patients and controls: The AADM study. Ethn Dis 2003;12:S2-195(084).
- Amoah NEN, Amoah AGB, Yeboah S, Amoah RY, Takyi G. Evaluation of a patient resource and empowerment tool, The Traffic Light Diabetes Record Booklet: A preliminary report. Diabetes and Metabolism 2003;29:4S374(2793)
- Amoah AGB, Yeboah S, Amoah NEN, Amoah RY, Takyi G et al. Compliance and adherence to treatment by Ghanaian subjects with diabetes: A preliminary report. Diabetes and Metabolism 2003;29:4S-365(2759).

Nkrumah, K.N.

- Fecal Pancreatic Elastase-1 in the Diagnosis of Chronic Pancreatitis in Patients Attending a Tertiary Referral Hospital in Ghana. K.N. Nkrumah, S.V. Rana, S.D. Amanquah. Gastroenterology International, Vol. 15, No. 1 – 2, Mar/June 2002.

Ofei, F.

- Walubo A, Burch V, Parmar P, Raidoo D, Cassimjee M, Onia R, Ofei F. A Model of Selecting Assessment Methods for Evaluating Medical Students in African Medical Schools. Academic Medicine Vol. 78, No. 9: 899-906. September 2003.
- Ofei F, Appiah-Kusi J, Nyongator D. Growth Hormone Deficiency Associated with Acquired Immune Deficiency Syndrome – Cause or Coincidence.

- Ghana Medical Journal. Vol. 37 No. 2: 93 – 95. June 2003.
- Adams I, Agyepong I, Dubbeldam R, Ofei F (authors in alphabetical order). Final Report on the Evaluation of the first phase of the Ghana National Drugs Programme (GNDP) 1977 – 2003 written for the Ministry of Health, Ghana and the Royal Netherlands Embassy. Ministry of Health, GNDP, May 2003.
- Lasse AT, Ofei F. Housemanship training and experience in Ghana – a questionnaire survey of house officers. Ghana Medical Journal, Vol. 36 No. 4. 150 – 156 December 2002.

Conferences/Seminars/Workshops

Owusu, S.K.

- West African College of Physicians Annual General and Scientific Meeting, Banjul, The Gambia. November 3 – 10, 2002.
- West African College of Physicians: Update Course in Endocrine and Metabolic Diseases, Accra. 26-27 August 2002.
Papers Read: i. Diabetes Mellitus
ii. Goitre-Medical Aspects
iii. Unusual manifestations of Thyroid Diseases
iv. Management of some complications of Thyroid diseases
- West African College of Physicians: Update Course in Liver Diseases Accra 18 – 20 August 2003.

Affram, R.K.

- Update Course in Liver Diseases, West African College of Physicians. August 2003, Accra.

Matc-Kole, M.O.

- Renal Biopsy in Medical Diseases of the Kidneys, Columbia Presbyterian Medical Centre, New York, NY. September 19 – 20 2003.

Amoah, A.G.B.

- Congress on Improving Chronic Care, Seattle, Washington, USA, September 8 – 10, 2002: Read a paper “Improving Chronic disease care in low income setting: a case study for diabetes in Ghana”.
- 2002 Presidential Luncheon, Institute of Chartered Accountants, Ghana. November 2002, La Palm Beach Hotel. Presented a Guest lecture “Executive Health and Stress Management”
- Global Medical Forum II, Zurich, Switzerland, March 24-26, 2003. Presented an invitational paper “Governments, Payers and Innovation with reference to Sub-Saharan Africa”
- Hypertension Forum for Africa. Brussels, Belgium, May 8-12, 2003. I was part of this landmark forum to draw guidelines for the management of hypertension in Africans.
- 18th International Diabetes Federation Congress, Le Palais des Congress., Paris, France. August 24-29th 2003. Chaired a meeting: “Diabetes Education in Africa” and presented two lectures: “Reinforcing Education in a low income setting: the traffic light” and “A national diabetes care and education programme: the Ghana model”

- First Congress and Second Scientific Meeting, International Society of Diabetes and Pregnancy Study Groups; 35th Annual Meeting, Diabetes in Pregnancy Study Group(European Association for Study of Diabetes) Sant Salvador-Commaruga, El Vendrell, Spain, 29th August -2nd September 2003. Presented a poster: Audit of pregnancy care and outcome in Ghanaian subjects with diabetes and gestational diabetes at a national referral hospital: a preliminary report. Amoah AG, Seffa J, Kwawukume E, Addo J, Aduamah S, et al.
- Ghana Medical Association Continuing Medical Education Programme, Accra on the theme "Diet and Health" Presented a lecture "Hyperlipidaemia" on 5th September 2003.

Ofei, F.

- Interactive International Workshop on Reconstructive Surgery of the Lower Urinary and Genital Tracts, 29 September 2003, Accra – Faculty – Topic: Ambiguous Genitalia – classification and investigations.
- Third Annual Research Meeting of the Noguchi Memorial Institute for Medical Research, 23-25 September 2003, Accra – Speaker: Paper – Evaluation of a 3-year training of Healthcare Professionals in Diabetes Care.
- Ghana Surgical Research Society Symposium on the Surgical complications of Diabetes Mellitus, 17 September 2003, Accra – Speaker: Topic: Overview of Diabetes Mellitus.
- Society of General and Private Medical Practitioners. Continued Medical Education, 13 July 2003, Accra – Speaker: topic – Current Perspectives in the Management of Type 2 Diabetes Mellitus.
- Workshop on Ghana National Drug Programme Plan of Action, 2 – 4 July 2003, Agona-Swedru, Participant.
- Ghana Medical Association Seminar on Antibiotic Use, 9 May 2003, Accra. Speaker – Topic: Drug Interactions.
- Drugs and Therapeutics Committees Trainer of Trainer Course, 5 – 9 May 2003, Sogakope. Facilitator.
- 52nd Annual Scientific Session, American College of Cardiology Conference, 29 March – 2 April 2003, Chicago, USA, Participant.
- Regional Consultation on WHO Global Strategy on Diet, Physical Activity and Health, 18 – 20 March 2003, Harare, Zimbabwe – Chairman /Participant.
- Glaxo-Smith-Kline Workshop during launch of Rosiglitazone, 11 October 2003, Accra. Speaker – Topic Diabetes Management in Ghana.

Nkrumah, K.N.

- West African College of Physicians. Annual General & Scientific Meeting, Banjul, The Gambia. November 2002.

Foli, A.K.

- Update Course in Liver Diseases, West African College of Physicians, Accra 18-20 August 2003.

DEPARTMENT OF MICROBIOLOGY

Overview

During the period September 2002 to August 2003, the department of Microbiology offered courses to diploma students, under graduates and post- graduates.

Staff members carried out research in several areas of Virology, Parasitology & Bacteriology. We also had collaborative research with other departments in the Medical School - Child Health, Ophthalmology and Obstetrics and Gynaecology and Dental School and Fevers Unit (Department of Medicine).

We also collaborated with other Medical Schools - Washington University Medical School in establishing an HIV/HCV testing laboratory, and also Groningen Research Institute for Drug Exploration/University of Groningen Research Institute of Pharmacy (GUIDE/GRIP), Groningen, Netherlands.

Two members of the department also assisted the National Catholic Secretariat (Department of Health) in assessing clinical laboratories in catholic hospitals in several regions in Ghana.

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. We were also supported by some part-time lecturers from other Universities. Mr. P. F. Ayeh-Kumi (Lecturer) returned to full time work, having completed the write-up of his Ph.D. programme. His thesis work which was in the area of amoebiasis, was done partly in the Department of Microbiology, University of Ghana Medical School and the Department of Infectious Diseases, University of Virginia, Charlottesville, USA.

Staffing Position

The break down of staff at post was:

2 Professors (On contract)

1 Associate Professor

3 Lecturers

12 Senior Staff

9 Junior Staff

Courses Taught / Number of Students

Courses

BSc. Medical Science

BSc. Med. Lab. (Allied Health Sciences)

No. of Students

Level 400 = 106

Level 400 = 4

Level 300 = 11

Level 200 = 11

Diploma in Medical Laboratory Technology	=	8
Mphil Biomedical Sciences	=	5
Ph.D	=	3

Total		148
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Staff List

Prof. Mercy J Newman	Head of Department (Bacteriology)
Prof. Reginald K Anteson	Parasitology Unit (On contract)
Mr. Patrick F Ayeh-Kumi	"
Prof. Julius A A Mingle	Virology Unit (On contract)
Dr. Theophilus K Adiku	"
Mr. Kwamena W C Sagoe	"

Research in the Department

1. 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
2. Identification and Sensitivity of Mycobacteria TB
3. Urinary pathogens in catheterized patients
4. Oral mycoflora in AIDS/HIV patients
5. Vaginal flora of first time urban family planning attendants
6. Genital and intestinal carriage of Group B Streptococcus during pregnancy.
7. Prevalence of potential pathogens in the lower genital tract
8. Dual HIV-1/HIV-2 infections
9. Hepatitis B/C viruses in non-HIV and HIV infected patients
10. Immunovirological assessment of discordant HIV couples
11. Pharmaco-economic evaluation of blood transfusion safety (focus on viral Infections)
12. Cytomegalovirus infections in blood donors.
13. Aetiology and predisposing factors influencing the severity of Acute Lower Respiratory tract Infections among children under five years in Accra, Ghana
14. A study of the Prevalence of Cervicovaginal Human Papilloma Virus types in Ghanaian women
15. A perspective survey of Cryptosporidiosis in HIV/AIDS patients and children/adults with diarrhoea
16. In vitro evaluation of effects of Kola (Cola nitida) on Herpes-Zoster or shingles (Ananse)
17. Detection of Tuberculosis Infection in HIV/AIDS and other patients in Ghana: Evaluation of an Enzyme-linked Immunoassay serodiagnostic Test
18. Methods of detecting and characterizing invasive and non-invasive species of Entamoeba.
19. Opportunistic infections among HIV/AIDS patient with special emphasis on diarrhoea associated parasites.

Conferences/Seminars/Workshops

Newman, M.J.

- Workshop on Global Fund to Fight AIDS, Tuberculosis and Malaria HIV Sub component - January 22nd 2003
- Workshop on National Guidelines for Development and Implementation for HIV Voluntary Counseling and Testing in Ghana - Final Stakeholders meeting, 23rd -24th April 2003 - Accra
- Proposal Development workshop - Accra 4th -8th May 2003
- Continuing Medical Education - National Symposium on Modern Trends In Antimicrobial Therapy - May 2003 in Accra and Kumasi
Lecture - Antibiotic resistance
- Medical Science Seminar, Elmina Beach Resort - 17th May 2003
Lecture:- Identification and sensitivity testing of bacteria
- Workshop on Curriculum Development - Anatomical Pathology Technology Programme, MOH-May 2003
- Annual Congress of the district directors of Health Services (DDHS)
- May 2003. Lecture - Update on typhoid fever - role of the laboratory
- West African College of Physicians - Local AGM, Kumasi October 2003
- West African College of Physicians , AGM Banjul - November 2003

Mingle, J.A.A.

- 23rd -24th April 2003 Consultative meeting to discuss the draft national guidelines for the development and implementation of HIV voluntary counseling and testing in Ghana, Accra, Ghana.

Academic Presentation

- Virology of hepatitis viruses: an overview. Update course on liver diseases organized by the Faculty of Internal Medicine (Ghana Chapter), West African College of Physicians - August 2000 (Resource Person)

Adiku T.K.

- Round Table conference on " the Development and applications of Biotechnology in Ghana: the role of biotechnology in Public Health" organised by BNARI, Ghana Atomic Energy Commission
3rd December 2002, Teachers Hall, Accra
- Workshop on Research Proposal Development organized by Ministry of Health, 5th to 10th May 2003; Manoset Plaza, Accra
- Curriculum Development Workshop for Anatomical Pathology Technology Programme, MOH, Ghana - 19th to 24th May, 2003 at Kingsby Hotel, Accra
- 23rd Biennial Conference, Ghana Science Association, 4th to 7th August, 2003. Kwame Nkrumah University of Science and Technology, Kumasi

Ayeh-Kumi, P.K.

- Meeting of Immunological Society of Ghana, Noguchi Memorial Institute Meeting - May 2003
- U.S.-Japan Cooperative Medical Science Program Parasitic Diseases Panel Annual Meeting, University of Virginia, Jordan Hall Conference Center, Charlottesville, Virginia, September 7-9, 2003.

Academic Presentations

- Entamoeba moshkovskii infection: Diagnosis and Prevalence. Presentation at the Research Forum, University of Ghana Medical School (July 2003).
- Microbiology in relation to E.N.T, Eye and Neurosurgery. Presentation at the Head and Neck Club, University of Ghana Medical School (September 2003).

Sagoe, K.W.C.

- 23rd - 24th April 2003 Consultative meeting to discuss the draft national guidelines for the development and implementation of HIV voluntary counseling and testing in Ghana, Accra, Ghana.
- 13th Jan - 21st Feb Conference on laboratory diagnosis on HIV infections. National Inst. For Infectious Diseases, Tokyo, Japan
- 4th -7th August 2003 23rd Biennial Conference of the Ghana Science Association, Kumasi, Ghana. Theme - The HIV/AIDS pandemic: Challenges for the Ghanaian Scientist.

Academic Presentations

- Virology, Pathogenesis and Immunology of HIV. Presentation at a training program for doctors in antiretroviral therapy, Accra, Ghana, 14th July 2003 (sponsored by the National AIDS Control Program, Family Health International and PharmAccess International, Ghana) Resource Person
- HIV-2 strains may be as virulent as HIV-1 subtype A strains. Oral presentation at the 23rd Biennial Conference of the Ghana Science Association, Kumasi, Ghana 4-7th August 2002. (Theme: The HIV/AIDS pandemic: Challenges for the Ghanaian Scientist)
- Bioinformatics and infectious diseases: a look at HIV-2 strains in Ghana. Presentation at the Research forum, University of Ghana Medical School

Publications

Newman, Mercy J.

- Newman MJ, West Afri J. Med. 2002; 4:310-312 Neonatal intensive care unit: Reservoirs of Nosocomial pathogens
- Leck AK, Thomas PA, Hagan M, Kaliyamurthy J, Ackuaku E, John M, Newman MJ, Codjoe FS, Opintan JA, Kalavathy CM, Essuman V, Jesudasan CAN, Johnson GJ. Aetiology of suppurative corneal ulcers in Ghana and South India and epidemiology of fungal keratitis. Br J Ophthalmol 2003; 86:1211-1215

Adiku, T.K.

- Human T-lymphotropic Type-1 Virus Specific Antibody Detected in Sera of HIV/AIDS Patients in Ghana. (2003) Andrew Anthony Adjei, Theophilus Korku Adiku, Patrick Ferdinand Ayeh-Kumi and Akosua Benefah Domfeh. Japanese Journal of Infectious Diseases 36 (2) : 57-59.

Ayeh-Kumi, P.F.

- Ibne Karim Ali. ...Patrick F. Ayeh-Kumi et al. of Entamoeba moshkovskii infections in Children in Bangladesh. Emerging Infectious Diseases. 9 (5) 580-584. May 2003.
- Andrew Anthony Adjei. ...Patrick Ferdinand Ayeh-Kumi et al. Human T-Lymphocyte Type-1 Virus Specific Antibody Detection in Sera of HIV/AIDS Patients in Ghana. Japanese Journal of Infectious Disease 56 (2): 57-59. April 2003.
- Anthony Adjei -----Patrick Ferdinand Ayeh-Kumi et al. Prevalence of Humana Immunodeficiency virus infection among tuberculosis suspected patients in Accra, Ghana. Andrew West African Journal of Medicine. (Accepted for publication).

Sagoe, K.W.C.

- KWC Sagoe, JAA Mingle, K. Affram, A. Dzokoto, A. Sonnerborg. Characterization of dual HIV-1/HIV-2 seropositivity and infections in Ghana. Research Letters (Journal of Ghana Medical School) 2002; 1:4-5
- Sagoe KWC, Mingle JAA, Affram RK, Dzokoto A, Britton S, Sonnerborg A. Some HIV-2 strains may be as virulent as HIV-1 subtype A strains. 23rd Biennial Conference of the Ghana Science Association, Kumasi, Ghana, Abstract no. 12 (p38) .

Extension Work**Newman, Mercy J.**

- Editor Ghana Medical Journal
- Advisory Board Member, Prisons Ministry, Ghana
- External Examiner in Microbiology-School of Medical Sciences KNUST, Kumasi.
- Examiner, West African College of Physicians
- Member-National Advisory Experts Committee on Management of MDR-TB

Mingle, J.A.A.

- External Examiner in Microbiology – School of Medical Sciences, KNUST July 2003.
- Member: Committee for Preparation of Guideline for Evaluation of HIV Test Kits. MOH/GHS June 2003.
- Member: National Certification Committee for Polio Eradication. National Task Force for Laboratory Containment of Wild Polio Virus
- Reviewer: Ghana Medical Journal

Adiku, T.K.

- Member, Ghana National Polio Expert Committee (MOH/WHO) for Eradication of Polio from African Sub-Region

Ayeh-Kumi, P.F.

- Students' Mentor/Advisor. Global Health Program University of Virginia, Health sciences Center, Charlottesville, Virginia.
- Pastor, New Covenant Church, Accra

Sagoe, K.W.C.

- Advisory Board Member, Prison Ministry, Ghana

Visitors

1. Dr. William Powderly, Professor of Medicine, Washington University Medical School, St. Louis, Missouri.
2. Dr. Maarten Postma, Groningen Research Institute for Drug Exploration / University of Groningen Research Institute of Pharmacy (GUIDE/GRIP), Groningen, Netherlands

Benefactors

1. NCR donated Five million cedis (¢5,000,000.00) towards the refurbishment of the Clinical Virology Laboratory
2. Washington University Medical School, St Louis, Missouri, donated 7 computers, 1 Perkin-Elmer DNA Thermal Cycler, 1 Bio-Tek ELP35 96-well plate washer, 3 scientific books and 1 box of Qiagen DNA extraction kit towards the development of the Clinical Virology Laboratory for HIV/HCV testing.

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Overview

The main objective of the Department is the teaching and training of undergraduate medical students and postgraduate doctors. In addition to the academic work, the Department offers Obstetric and Gynaecological services to patients who attend the Korle Bu Teaching Hospital. Some senior members of staff continue to offer specialist services to the Legon Hospital. The Department is in the process of offering services to the public under the Faculty Practice.

Courses Offered

The department offers courses at the MB.ChB Final Part I (Level 600) and the Fellow of the West African College of Surgeons (FWACS) Examination.

- Training in Obstetric Ultrasound for Medical Officers
- Training in Surgical Family Planning procedure for Medical Officer
- Training in Manual Vacuum Aspiration for Medical Officer (MVA)

Students Numbers

Level 600	90
Postgraduate	20
Total	110

Staffing Position

The break down of staff at post are:

- 2 Associate Professors
- 6 Senior Lecturers
- 6 Lecturers
- 2 Senior Staff
- 2 Junior Staff

The Department lost one Senior Lecturer (Dr. A.H.K. Collison) on Saturday 23 August 2003.

Publications

1. Title: Cervical cancer Knowledge and screening in Accra, Ghana.
Author: RMK. Adanu
Place of Publication: USA
Date of publication: July/August 2002
Name, volume number of journal and pages: Journal of Women's Health and Gender based Medicine Vol. II. Number 6 pages 487-488.
2. Title: Ruptured Uterus: A Seven-Year Review of Cases from Accra, Ghana.
Author: RMK. Adanu, SA Obed
Place of Publication: Canada
Date of publication: March 2003
Name, volume number of journal and pages: Journal of Obstetrics & Gynaecology Canada Vol. 25 Number 3 pages 225-230.
3. Title: Doing Research in Accra Ghana.
Author: RMK Adanu
Paper presented at Global Ethics Workshop, sponsored by Minority International Research Training Program. Center for Human Growth and Development, University of Michigan.
Date: April 2003
4. Title: Ruptured uterus and the partograph
Author: JD Seffah
Name, volume number of journal and pages: International Journal Gynaecology and Obstetrics Vol. 80 Number 2 pages 169-170.
5. Title: Caesarean section and birth weight.
Author: JD Seffah

Name, volume number of journal and pages: West African Journal of Medicine

Vol. 12 No. 3 July – September 2002 : 212-214.

6. Title: "Audit of pregnancy care and outcome in Ghanaian subjects with diabetes and gestational diabetes at a national referral hospital: a preliminary report"
Author: Amoah AG, Seffah JD, Kwawukume E, Addo I et al
International Ass. Of Diabetes and Pregnancy Study Group (IADPSG)
First Congress and Second Scientific Meeting 2003 – e-mail: dpsg@diabern.org.
7. Title: Twin and singleton births in Ghana – a case-control study
Author: K. Nkyekyer
Place of Publication: Queensland, Australia
Date of publication: August 2002
Name, volume number of journal and pages: Twin Research, Volume 5, No. 4 pages 265-269.
8. Title: Caesarean section techniques of Obstetricians in Ghana
Author: K. Nkyekyer
Place of Publication: Accra, Ghana
Date of publication: March, 2003
Name, volume number of journal and pages: Ghana Medical Journal, Volume 37, No. 1, pages 12-18.
9. Title: Discordance in Birthweight of twins
Author: K. Nkyekyer
Place of Publication: Accra, Ghana
Date of publication: March, 2003
Name, volume number of journal and pages: Ghana Medical Journal, Volume 37, No. 1 pages 19-28.
10. Title: Carcinoma of the Cervix: The Role of Human Papilloma Virus and Prospects for Primary Prevention.
Author: RA. Kwame-Aryee
Place of Publication: Geneva, Switzerland
Date of publication: 25 August 2003
Journal of publication: See the web-site for the Geneva Foundation for Medical Education and Research: www.gfmer.ch; go to publications then under "gynaecologic oncology" the article is published.
Number of References: 44
Editor: Prof. Aldo Campana

Conferences/Seminars/Workshop

1. Training Workshop for core group of experts on integrated management of pregnancy and child birth (IMPAC) IN KAMPALA, UGANDA 7-15th July 2003. Participant: JD Seffah
2. 43rd Annual Meeting and Scientific Conference, West African College of Surgeons Abuja, Nigeria 25th January – 5th February 2003. Participants: RA Kwame-Aryee, JO Armah, EY Kwawukume & JD Seffah.

DEPARTMENT OF PATHOLOGY

Overview

The academic year 2002/2003 was a very busy and challenging one for the Department. The establishment of the School of Allied Health Sciences increased the number of groups of students the department had to teach in addition to the increasing numbers of our traditional students. The department had managed to cope with the increased workload and all research works due for completion in the academic year were duly completed.

There has been no change in the staff strength of the department. Our service workload in cytology, histopathology and autopsy pathology increased considerably.

All Senior members were heavily involved in extension services 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), the University and Ministry of Health.

Staff Position of the Department

Senior Members

- | | |
|----------------------|---|
| 1. Dr. Y. Tettey | Senior Lecturer / Head of Department |
| 2. Prof. A.B. Akosa | Professor – On leave of absence |
| 3. Prof. E.K. Wiredu | Associate Professor – Also Dean of School of Allied Health Sciences |
| 4. Prof. A.A. Adjei | Associate Professor |
| 5. Dr. R.K. Gyasi | Senior Lecturer / Hostel Master |

The required number of senior members is fourteen (14).

Senior Staff

- | | |
|----------------------|--|
| 1. Mr. Fred Dzormeku | Superintendent Technologist |
| 2. Mr. E.A. Marley | Chief Technician – on post retirement contract |

- | | |
|--------------------|--|
| 3. Mr. K. Malm | Principal Technician – on post retirement contract |
| 4. Mr. B.K. Archer | Senior Technician |

Junior Staff

- | | |
|---------------------------|-------------------------------|
| 1. Mrs. Emelia Abbeyquaye | Clerk Grade I |
| 2. Ms. Gertrude Lodonu | Clerk Grade II |
| 3. Mr. S.K. Mensah | Laboratory Assistant Grade II |
| 4. Mr. Moses Abbey | Messenger |

Courses Taught

Course	Student Numbers
1. Level 400 BSc Med. Sc.	107
2. Level 400 UDS	35
3. BA/BSc Nursing, NUR 301	85
4. DMLT	3
5. M.Phil Biomedical Sciences	6
6. Level 200 SAHS	23
7. Level 300 SAHS	15
8. MB. ChB (Part I) Forensic Pathology	89
9. MB. ChB (Part II) Autopsy Pathology	79
10. Postgraduate (Residency) programme	6

The Department successfully completed all academic programmes for the year. Professor J.O. Ogunbiyi from the Department of Pathology, University College Hospital, University of Ibadan, Nigeria was our external examiner.

Research Activities

There has been a lot of research activity in the Department. On going research from the previous year were pursued and new protocols were submitted for approval and ethical clearance.

The following research works have been completed, some in collaboration with other Departments/Institutes of the University and thesis / reports / papers were prepared and submitted for assessment/publication.

1. Immunopathology of Fatal Malaria in Ghanaian Children
2. A Study of Human Papilloma Virus Types in Ghanaian Women and its association with cervical cancer.
3. Assessment of the viability of adult *Onchocerca volvulus* in tissue sections using enzyme histochemical demonstration of lactate dehydrogenase activity.
4. Prevalence of HBV and HCV in liver cirrhosis among Ghanaian patients.
5. Cause of cardiomegaly in Ghana.
6. Prevalence of human immunodeficiency virus infection among tuberculosis suspects patients in Accra, Ghana.
7. The occurrence of cryptosporidium oocytes in Ghanaian HIV/AIDS patients with diarrhoea.
8. Prevalence of antibodies to syphilis among blood donors in Accra Ghana.

9. Evaluation of Rapid Serological Chromatographic Immunoassay test for the diagnosis of pulmonary Tuberculosis in Accra, Ghana.
10. Prevalence of antibodies to human T-lymphotropic virus type 1 among blood donors in Accra, Ghana.

Continuing Research Activity

1. Prostate Cancer in Ghana
2. Breast Cancer
3. Oral tumours in Ghana
4. Placental malaria.
5. Postmortem as an epidemiologic tool

Publications

1. Parkins Grace, Armah GE, Tettey Y. Oral tumours seen at Korle-Bu Teaching Hospital A preliminary report GMJ December 2002 volume 36 (4) 100-103
2. Clegg-Lamptey JNA, Tettey Y, Hodasi Wm. Amenuveve C. Aorto-Oesophageal Fistula:- An unusual cause of upper gastrointestinal bleeding. GMJ December 2002 volume 36 (4) 176-177.
3. Adjei A.A. et al Human T-lymphotropic type-1 virus specific antibody detected in sera of HIV/AIDS patients in Ghana Jpn. J Infect Dis 56:57-59, 2003.

Articles in Press

1. Adjei A.A et al. Prevalence of human immunodeficiency virus infection among tuberculosis suspects patients in Accra, Ghana. W Afr J Med. 2003
2. Adjei AA et al. The occurrence of cryptosporidium oocytes in Ghana HIV/AIDS patients with diarrhea. W Afr J Med, 2003
3. Adjei AA et al. Prevalence of antibodies to syphilis among blood donors in Accra Ghana. Jpn J Infect Dis, 2003
4. Adjei AA et al. An Evaluation of Rapid Serological Chromatographic Immunoassay test for the diagnosis of pulmonary Tuberculosis in Accra, Ghana. Jpn J Infect Dis, 2003
5. Adjei AA et al. Prevalence of antibodies to human T-lymphotropic virus type 1 among blood donors in Accra, Ghana. Ghana Med J. 2003

Prof E K Wiredu and Dr. R K Gyasi were external examiners for the Department of Pathology, School of Medical Sciences KNUST, Kumasi.

Dr. Y. Tettey was external examiner for the University of Sierra Leone Medical School, Freetown, Sierra Leone in May 2003.

Prof Wiredu was visiting Professor in November 2002 to the University of The Gambia Medical School.

Dr Y Tettey was visiting scholar in February 2003 to the University of The Gambia Medical School.

Senior Members continue to be very active in the West African College of Physicians (WACP). Dr. Tettey finished his term as Secretary General. He was elected Chief Examiner for the Faculty of Laboratory Medicine for 2003 to 2004. Prof Wiredu was elected the Chairman of the Faculty of Laboratory Medicine, for 2003 to 2004 and Dr. Gyasi continued to serve as the Secretary of the Faculty of Laboratory Medicine Ghana Chapter.

Prof Wiredu and Dr. Gyasi are examiners at the final Part I and II levels of the WACP examinations in Faculty of Lab Medicine.

Dr. Y. Tettey continued as examiner in Histopathology for the primary examinations of the West African College of Surgeons, (WHCS).

Prof Adjei attended a one day workshop on 'The Impact of Cryptosporidium Infection on Human Health in Ghana' at the British Council, Accra on September 3, 2003.

Prof. Wiredu presented a paper on "Methods of Pathological Diagnosis of Cancer" at the Ghana Surgical Society/WACS 24th Conference in Accra.

Prof. Wiredu also presented paper on "Pathology of Tuberculosis" at the Scientific meeting of the Faculty of Family Medicine of the WACP in May 2003.

Dr Tettey presented a paper on 'Pathology of Liver Diseases' at an update course on liver diseases organized by the Faculty of Internal Medicine, WACP in August 2003.

Dr. Gyasi, Dr Tettey and Prof. Wiredu attended the 26th Annual General and Scientific Conference of the West African College of Physicians in Banjul, The Gambia in November 2002.

Prof. Adjei was on a one-month training attachment in immunohistochemistry in the Department of Oncology, Washington University Medical Centre, St. Louis, Missouri and Mayo Clinic, Minnesota USA from July 21 to August 22, 2003.

DEPARTMENT OF PHARMACOLOGY

Overview

The 2002/2003 Academic year proceeded uneventfully, permitting uninterrupted pursuance of academic programmes. The growth and development of the Department continued to remain stagnant. On a brighter note, Board of Medical School approved the Department's proposal for the redesignation of BSc.(Medical Science) Pharmacology Courses.

The Department which has hitherto enjoyed a stable academic staff strength of eight over the past 3 years was burdened with shortage of staff at the commencement of the academic year. One senior member left for US to undertake research work, another was taken ill, whilst Professor G. L. Boye passed away. The Department thus had four academic staff at post. Because of the reduced academic staff strength, faculty was unable to cope with the marking of 105 Practicals reports over every weekend. It is gratifying to note that two senior members will be joining the Department in the next academic year. The technical unit which is already understaffed will further be weakened by the retirement of the Chief Technician.

The M.Phil programme is in progress, and the only student enrolled is expected to defend his thesis in December 2003. It is worth noting that, for some inexplicable reasons, no funds have been released to the M.Phil student this year even though his scholarship had been approved by the Scholarship Committee. Without the financial support from his supervisor, the student would have abandoned the course. Obviously, the Department is perturbed by this unsavoury situation, particularly, when cognizance is taken of the fact that the Administration had in 1996 stalled the Department's proposal for academic staff training programme including the launch of five hundred thousand dollars (US\$500,000.00) worth of equipment. It would seem that the Administration of the School or of the College was and is still not favourably disposed to the growth and development of Pharmacology Department.

The lack of vibrant research activity continued to be a major concern to the Department. Due to lack of research equipment, all research proposals remain on paper and no papers published. Consequently, faculty cannot be promoted irrespective of major contribution to the development and growth of the Department.

Staffing Position

a)	Academic/Research Staff	4
b)	Senior Staff	3
c)	Junior Staff	2

Course Taught/Number of Students

Course	Number of Students
Medicine	
B.Sc. (Medical Science) Level 400	90
Dentistry	
B.Sc. (Medical Science) Level 400	15

Research in the Department

- (a) Screening of medicinal plants for their therapeutic potential.
- (b) Screening of foods of animal origin for antimicrobial residues.
- (c) Anti-malarial sensitivity testing

Publication

Asiedu-Gyekye, I.J.

- Asiedu-Gyekye, I.J., Antwi, D., Tete-Donkor (2000) Some effects of the Medicinal Plant Kalanchoe Pinnata. Discov. Innov., 14(1/2). (www.inasp.org.uk)
- Antwi D.A., Asiedu-Gyekye I.J., Atsina K.K. (2002) Ventromedial hypothalamic lesions increase glycogen levels in pre-obese animals. J. Ghana Sci. Assoc., 4(1), 1 – 7.
- Asiedu-Gyekye I.J., Antwi D.A. (2003) Does losartan prevent cerebral oedema? A preliminary study using a vascular compartment model. Medical Science Monitor: 9(3); BR127-130 (www.medscimonit.com)

Conferences/Seminars/Workshops

Dr. A.B.A. Prempeh,

Dr. I. J. Asiedu-Gyekye

Dr. S. O. Larbi

Health Writing Skills Workshop

July 28th to July 29th 2003

Ghana Medical School, Korle-Bu

Workshop on proposal and grant

writing September 9 – 11, 2003.

College of Health Sciences, Korle-Bu

Workshop on Teaching Methods

August 26 – 28, 2003. College of

Health Sciences, Korle-Bu.

Benefaction

None

Visitors

Prof. A. Sowunmi of Pharmacology Department, University of Ibadan, Nigeria, served as External Examiner for the B.Sc. (Medical Science) Level 400 Examination in Pharmacology.

DEPARTMENT OF PHYSIOLOGY

Overview

In the year under review, four senior members were on the ground, two of whom were visiting scholars, and one out of the four, fast approaching retirement. The delivery of academic programmes in the past year has been enriched by the presence of our visiting professors, one from the University of Kentucky, USA and one from King Saud University, Saudi Arabia. No doubt, we must not relent in our efforts to attract

a lot more academic staff to join the department to strengthen and sustain it in the years ahead.

One of the paths the department is following is, the potential contribution of information communication technology (ICT), to teaching and learning and we plan to mount personal computers in our labs that are connected to each other, to other PC's nearby and to the global computer network, the internet, to take full advantage of facilities elsewhere, far and near. We need more funding to implement these plans fully.

Together with other departments, the department began teaching a course in physiology for students of the new School of Allied Health Sciences of the College of Health Sciences.

The situation with non-teaching staff strength was far below expectation, but we hope to make a headway in the laboratory section next year, judging by the applications we have received from new HND graduates, and our own efforts to get service persons to train and serve in the department, and where possible register for the MPhil Programme.

We appeal to all in authority to assist in efforts to secure a brighter future for the department, without which the foundations of our medical training programme stand to be seriously undermined.

Courses Taught/Number of Students

B.Sc. (Medical Science) Level 300

Courses		No of Students
PHYG.	301	104
PHYG.	302	104
PHYG.	304	104
PHYG.	306	104

School of Allied Health Sciences students offering

Radiography

Physiotherapy

Medical Lab Technology

Courses

PHYG 205	37
PHYG 207	37

Current Staff Position

Teaching Staff

Professor	0
Visiting Scholars (Professorial)	2
Senior Lecturers	2
Lecturers	0

Non Teaching Staff

Senior Research Assistant	1
Chief Technician	1
Principal Technician	1
Administration Asst.	1
Assistant Technician	1
Messenger / Cleaner	1

Research

Members continued research in the following broad areas

- The reno-humoral basis of familial hypertension in the Ghanaian
- Sickle-cell anemia
- Regulation of energy balance

Publications

Antwi, D.A., Asiedu-Gyekye, I..J. Atsina, K.-K.

- Relationship between meal frequency and subcutaneous fat. West African Pharmacy Journal, 2003, 17 (1). In press.
- Asiedu-Gyekye I.J., and Antwi, D.A. Does losarthan prevent cerebral edema? A preliminary study using a vascular compartment model. Med Sci Monit, 2003; 9 (3): BR127-130.
- Antwi, D.A., Asiedu-Gyekye, I.J., Atsina, K.-K. Ventromedial hypothalamic lesions increase glycogen levels in pre-obese animals. J. Ghana Sci Assoc 2002, 4 (1): 1-7.

Conferences/Seminars/Workshops

Faculty presented papers at the regular monthly seminars organized by the Research Forum of the University of Ghana Medical School, and attended several workshops organized by the medical education unit of the college of health sciences.

Benefaction

The department wishes to thank Prof. DF Speck and other faculty of the University of Kentucky, USA, for presenting to us a number of items to assist in teaching and learning in the department, notable among them being a digital scanner, textbooks, CD's, video and audio tapes. We are most grateful.

DEPARTMENT OF PSYCHIATRY

Overview

Very soon the Department of Psychiatry will take its place among the other Departments on the Korle-Bu Campus.

It has taken many years to move the academic Department of Psychiatry from its location at Asylum Down to where most of us believe it rightfully belongs to: The Korle-Bu Teaching Hospital.

The former Medical Illustration Unit at Korle-Bu has been refurbished to accommodate the Department of Psychiatry. But wait a minute. Korle-Bu is not going to be inhabited by mad men or lunatics. At least not yet. Institutional Psychiatry will continue at the Barnes Road and only new patients and outpatients will be seen in our new surrounding for the time being. Time is still marching forward and it is hope much more rapidly than we anticipate.

Student Numbers

Level 300		104
Level 600		89
Level 700		89
Total	-	<u>282</u> ===

Summary of Staffing Position

The staffing situation is not encouraging. Currently, there is one Associate Professor, who is on contract and acts as Head of Department. In addition, there is one Senior Lecturer due to return by the end of this academic year. The youngest Senior Member is of a Lecturer status, which I note he has held for the past thirteen years. Our attempt to recruit new blood into the Department has so far proved futile.

The current staffing situation has not been of much help. One Lecturer/Clinical Psychologist is on sabbatical leave as a Deputy Minister and one Senior Lecturer (Clinical Psychologist) is on National Assignment – hence on sabbatical leave.

Dr. Victor Christian Korle Doku has been appointed as Part-Time Lecturer in the current academic year

Ms. Dinah Baah-Odoom has also been appointed as Part-Time Clinical Psychologist.

Publications

Ewusi-Mensah, I.

- Post Colonial Psychiatric Care in Ghana: Psychiatric Bulletin (2001) 25, 228-269
- Abolishing Self-Injurious Behaviour (S.I.B.) with an Opiate Antagonist: A Case Report G.M.J. (2002) 36, 45-46
- Neuroleptic Malignant Syndrome (N.M.S.): A Case Report G.M.J. (2003) 37, 45-47

Conferences/Seminars

Turkson, S.N.A.

- Moderator and External Examiner in Psychiatry: S.M.S. – Kumasi.

DEPARTMENT OF RADIOLOGY

Overview

Academic work for year 2003 in the Radiology Department has been very challenging. This is due to equipment situation, which deteriorates as the years go by. The reliable equipment left is the CT, which is too slow for serious academic endeavors.

The situation is worsened by the fact that there is only one full time and active lecturer who has to cope with the increasing number of residents, which now stands at 16. Professor K.B. Jumah is now on retirement and not available (at least for now) for post retirement contract. His return will be very much appreciated.

Staffing Position

Academic/Research Staff	1	Dr. A.A. Yeboah
Senior Staff	Nil	
Junior Staff	1	Felix Appiah
Residents In Training		
4th Year	4	
3rd Year	1	
2nd Year	5	
1st Year	6	
Total Residents In Training	16	

Research

Jumah, K. B.

- Bone Age Atlas in W. Africa
- Atlas in Tropical Radiology

Yeboah, A. A.

- Value of Brain CT in Patients With Seizures

Conferences/Seminars/Workshops

- New Dimensions in Medical Imaging (Phillips) April 08–11, 2003
Abuja, Nigeria
- Interventional Radiology Conference September 10-13, 2003
Debrecen, Hungary
- Ghana Society of Radiographers Congress September 27, 2003
Cape Coast

A countrywide Ultrasound course for doctors in general practice in the districts and regional hospitals, originally organized by Phillips Medicals systems in Accra, has officially been handed over to local trainers. The local trainers in the department are Drs. Kaminta and Asiamah (Senior Instructors) and Drs. Hewlett and Otu Danquah (Junior Instructors).

The program, which is organized in collaboration with the Ministry of Health is coordinated by Dr. A. A. Yeboah. Two workshops have already taken place in April and August 2003. Series of workshops are being planned for a long list of awaiting applicants.

Our major challenges include lack of room space and poor quality equipment for the training program.

Visiting Senior Lecturer

Dr. Istvan Lazar of the Borsod Country Teaching Hospital in Hungary, visited in March 2003. He made a day's presentation to a team from the Surgical and Radiology Departments on Interventional Radiology.

DEPARTMENT OF SURGERY

Overview

During the year under review, the Department of Surgery continued its busy schedule as usual. Mr. RJ Nicholas and Mr. JFK Tandoh were appointed as part time lecturers to beef up the staffing position of the Paediatric Surgical unit. We welcome them warmly to the department.

Staffing Situation

Associate Professors (2)

Senior Lecturers (6)

Lecturers (17)

Part time (Professors (2) Senior Lecturers (1)

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 24 elective students. The students came from the following countries: Germany, United Kingdom, Ireland, United States, Sierra Leone, Nigeria, Austria, Canada, Norway, France, Sweden, Italy and Australia. The following are the group of students in the department:

Undergraduates

The courses taught include:

Course	Number of Students
Introduction to Clinical skills	123
Co-ordinated Course in Medicine, Surgery, Community Health and Applied Pathology Specials	123
Trauma and Orthopaedics	123
Senior clerkship in Medicine, Surgery Anaesthesia, Community Health Urology and Orthopaedics	80
Postgraduates Students (Residents)	42

Extension services

Some members continue to offer service to Cape Coast Regional hospital, Ho Regional hospital and The University Hospital at Legon.

Conferences/Seminars/Workshops

Members of the Department attended a number of National and International conferences, seminars and workshops and presented papers.

At the 43rd Annual Conference of the West African College of Surgeons held in Abuja Nigeria from the 25th January to the 1st of February 2003 the following papers were presented by members of the Department.

Dr. Mrs A J Hesse: Audit of Paediatric burns in Korle Bu Teaching Hospital

Prof ED Yeboah: Ketoconazole and bisphosphonates in the management of advanced hormone refractory prostate cancer in Ghanaians Darko R, F Ofei, Yeboah Ed, Aduful HK, Adu-Gyamfi Y, Amponsah G, Lamptey E: Adrenal induced hypertension in Accra.

JN Clegg-Lamptey : Appendicitis in Accra: A contemporary appraisal.

V.A .Essuman and CT Ntim Amponsah: Broomstick eye injuries in patients attending Korle Bu Teaching Hospital, Ghana.

Mr. Rudolph Darko delivered the 2nd Professor Victor Anomah Ngu lecture, a prestigious lecture of the West African College of Surgeons in Abuja. He was personally congratulated by Professor Victor Anomah Ngu, a founding father of the College, who was present for the occasion. Rudolph Darko was subsequently elected onto the Executive Council of the West African College of Surgeons.

At this conference Prof ED Yeboah was elected the 1st Vice President of the West African College of Surgeons.

Workshop in the Department of Surgery

A Interactive International Workshop on Reconstructive Surgery of the Lower Urinary and Genital tracts and Care and Maintenance of Endoscopes was organized in the Department from the 29th September to the 2nd of October 2003

Other Scientific Meetings and Conferences

Frimpong-Boateng, K.

- 31st Annual Scientific Conference of the Nigeria Cardiac Society: The future of Cardiac Surgery in Africa.
- At the 23rd Scientific Meeting of the Ghana Surgical Research Society held in Kumasi 6th to the 8th December 2002 the following papers were read by members of the Department:

Akafo, S.

- High Myopia Induced by Subluxation of the Crystalline Lens

Essuman, V.A. and Amponsah, C.T.N.

- Broomstick Eye Injuries Seen at the Korle Bu Teaching Hospital, Accra.

Kitcher, E.D.

- Airway Obstruction in Ghana, a Review of Cases at the Korle bu Teaching Hospital.

Aryee, N.A.

- A Proposed Emergency Medical System for Ghana.

Laing, A.G.

- Reconstruction of the Ear.

Aduful, H.K.

- Peripheral Vascular Injuries and their Management in Accra, a 14-year Audit
- Deep Venous Thrombosis in Young Ambulant Ghanaians.

Ampomah, W.O., Darko, R., Aduful, H. K. and Archampong, E.G.

- Acute Pancreatitis, A Missed Diagnosis?
- R Darko, F. Ofel, E.D. Yeboah, H.K Aduful, Y Adu-Gyamfi, G. Amponsah, E. Lamptey: the Surgical Management of Adrenal Induced Hypertension in Accra.

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 Otu visited the Department during their assessment of the department and the Korle Bu Teaching Hospital for the training of residents in Surgery.

Other visitors were as follows:

Dr. Kathryn Challoner and Dr. Stuart Swadron from LAC and USC Medical Centre in Los Angeles USA

Dr. Jack McAninch from Department of Urology, University of California San Francisco USA,

Dr. Ashraf T Hafez, Urology and Nephrology Centre Mansoura Egypt

Dr. Catherine dWries University of Utah, Salt Lake City USA

Dr. Gerry Jordan, Eastern VA Medical School Norfolk, VA Canada.

MEDICAL SCHOOL LIBRARY

Overview

The poor Internet connectivity of last year was carried over to the new academic year. The connectivity has almost ground to zero.

Access to Literature**Journals**

The library continued to subscribe to 16 current journals in broad areas of medicine. It also received about 40 current titles of gifts from individuals (alumni), institutions and societies.

Access to Electronic Journals

The Library has access to a number of electronic journals and databases both offline and online. The offline sources include the library's collection of MEDLINE on CD-ROM, the EBSCO and OVID databases. The online sources include the WHO's HINARI list of journals which are available in full text, and a host of other databases of the PERI programme which are also available as full texts or abstracts. Unfortunately, the library's connectivity problems have tended to adversely affect the use of the online electronic resources.

Books

A total of 304 volumes made up of 233 titles were added to the book stock. These were mainly gifts from individuals, institutions and societies. The School purchased very few titles.

The total stock of the library stands at 50,000 volumes.

Services

Literature

A total of 2,500 major enquiries were received for user services. Of this, 1,110 electronic based literature searches were carried out using MEDLINE and EBSCO databases on CD-ROM.

Computer Literacy

The Computer Assisted Learning Centre (CALC) organized computer training for staff and students on the basic of using the computer, Microsoft Word, Excel and PowerPoint software.

20 members of staff and medical doctors were trained on these softwares and 40 staff, students and nurses were trained on the basics of computer, Microsoft Word and Excel.

The Centre also made its facilities available to the Dental School in training 12 of its final year students in the use of Microsoft Excel. It also assisted in the training of Diploma students from the Ministry of Health attached to the Dental School.

The Centre also helped train first year students of the School of Allied Health Sciences on the theory and introduction to computers.

Computer Donations

The CALC received 4 Pentium IV flat screen computers from the College of Health Sciences.

The CALC also received 5 computers from the University of Connecticut, USA, through the efforts of Professor Mate-Kole.

Benefactors

Adventist Development & Relief Agency

American Academy of Ophthalmology

Ghana Permanent Mission, Geneva

Helping Hand Association, Geneva

MV Doulus Ship

Ministry of Health, Ghana

Dr. A. Tette, Annadale, VA, USA

Dr. W.K. Ahlijah, Regina, SK, Canada

Dr. Enoch Darko, Windsor, CT, USA

Dr. S. Appiah-Anane, UK

Publications

Suleman, i S.B. (Assistant Librarian)

The Impact of CD-ROM Technology in the University of Ghana Medical School Library.

Information Development 2003; 19(1):35-40.

Conferences/Seminars/ Workshop

Aggrey, S.B. (Assistant Librarian)

- Workshop on SABI (to know) E-learning solutions at Busy Internet, Accra.
- Annual General Meeting of the Ghana Library Association, Teachers' Hall, Accra 14 -15 November 2002.

Sulemani, S.B. (Assistant Librarian)

- Annual General Meeting of the Ghana Library Association, Teachers' Hall, Accra, 14-15 November 2002.

Adjepon-Yamoah, A.F. (Assistant Librarian)

- Annual General Meeting of the Ghana Library Association, Teachers' Hall, Accra, 14-15 November 2002.

Dzansi, S.A. (Assistant Librarian)

- Workshop on how to use the Internet, Balme Library, University of Ghana, Legon. 7-8 November, 2002.
- Annual General Meeting of the Ghana Library Association, Teachers' Hall, Accra, 14-15 November 2002.

Professional Training

Aggrey, S.B. (Assistant Librarian)

3 months training in Belgium. Theme - Scientific and Technological Information Management in Universities and Libraries: an Active Training Environment (STIMULATE-3). 1st May - 1st August, 2003.

Appointments

Aggrey, S.B. (Assistant Librarian)

Appointed Assistant Librarian - September 2002.

User Survey

The Department carried out a major investigation of its users from 1st to 28th February 2003. The results of the user survey are pertinent and useful for the strategic management of the library.

SCHOOLS

SCHOOL OF ADMINISTRATION

Overview

The School of Administration had a successful 2002-2003 academic year in running its programmes under the leadership of its new Director, Prof. K.O. Nti. The School also recruited eight new Lecturers to the faculty.

In the year under review, the demand for the School's programmes increased. Total student enrolment for the year under review was 2,406 with a barely noticeable increase from the 2001/2002 intake of 2,323, with tighter controls on the undergraduate and diploma intakes.

The breakdown of enrolment based on academic programmes is as follows:

Programme	Number of Students
Diploma in Accounting I	51
Diploma in Accounting II	48
Diploma in Public Administration I	59
Diploma in Public Administration II	50
B.Sc. Administration Level 100	448
B.Sc. Administration Level 200	434
B.Sc. Administration Level 300	407
B.Sc. Administration Level 400	365
B.A. Administration Level 200	71
B.A. Administration Level 300	72
B.A. Administration Level 400	75
Master in Business Administration I	135
Master in Business Administration II	134
Master in Public Administration I	22
Master in Public Administration II	18
Executive MBA	125
PhD	3
Total	2,406

Faculty Movement

There were 37 full-time Lecturers at post. These were assisted by 30 part-time Lecturers and some teaching assistants.

In the course of the year the following new Lecturers were appointed

Mr. Robert Bob Hinson	Marketing
Mr. Joshua Abor	Finance
Mr. Anthony K-Coleman	Finance
Mr. Charles K.D. Adjasi	Finance
Dr. Francis Banuro	Management
Dr. D.F. Ofori	Management
Dr. Kwaku Anyemedu	Management
Mrs. Eme U. Fiawoyife	Management

Prof. J.B.K. Aheto and Dr. D.M. Quaye resigned from the faculty.

Mr. S.K. Tsahey retired from the service of the School.

The underlisted were also on various types of leave during the year under review.

Mr. Bedman Narteh	Ph.D programme (Part-time)
Mrs. Adelaide N. Kastner	PhD programme (Part-time)
Dr. E.K. Boon	Sabbatical Leave
Mr. James K. Otieku	Sabbatical Leave
Dr. Francis Appiah	Sabbatical Leave
Dr. Joseph M. Onumah	Sabbatical Leave

Danida

The Danida Board decided that the Danida sponsored PhD programme should be open to candidates from all Units of the School.

This year Mr. R.K. Kuipo of the Accounting Unit was offered the scholarship for the PhD programme.

Special Programmes/Events

The School of Administration organizes courses and seminars independently or in association with other bodies to satisfy identified needs in management.

The Centre for Management Research and Professional Development (CMRPD) offers a range of courses resulting from comprehensive industry needs assessment and networking with the business community. It also undertakes applied research and provides specialized services such as financial analysis, financial modeling, forecasting, performance management planning, strategic plan development and organizational restructuring.

Management Day

The 25th in the series of the School's Management Day was celebrated on Wednesday, April 2, 2003 under the theme "Insurance Protection and Socio-Economic Development". The keynote address was delivered by Hon Mr. Yaw Osafo-Maafa, Minister of Finance and Economic Planning.

The management day was sponsored by the Ghana Insurance Association and the School of Administration at ₵70 million and ₵18 million respectively.

Publications

Abdulai, A.I.

- "They came, they saw, they cautioned" African Insight Vol.32 No.3 Sept. 2002 pp. 51-57.
- "Human Resource Management in Ghana: Making the prescriptions of the Fourth Republican Constitution Work" Ghana Management Review Vol.1 No.2, 2003 pp. 63-77.

Asibuo, S.K.

- "Indirect Rule System of Local Government in Ghana" Africa Quarterly Volume 42, Number 3, 2002 pp. 1-29.
- "The Role of the Pharmacy Council in Regulating the Health Sector in Ghana" African Administrative Studies November 6, 2003, pp. 61-82.

Buame, S.C.K.

- "A Study of the Imperatives of Value Adding in the Development of the NTE Sector" Legon Export Outlook Vol.1 No.4, July 2002.

Domfeh, K.A.

- "Compliance and Enforcement in Environmental Management: A Case of Mining in Ghana" Journal of Environmental Practice (Journal of the National (USA) Association of Environmental Professionals) June 2003, Vol. 5, # 2, pp.154-165.
- "Introduction and overview" Journal of Management Studies (Special Issue on Public-Private Partnership); Vol.18, #2, January 2003 pp.1-22.
- "Greening International Trade" Legon Business Journal, June 2003. Vol. 1 #4 pp.11-13.

Osei, K.A.

- "The Response to annual earnings information announcements by listed companies on the Ghana Stock Exchange". South African Journal of Economics, March 2003, Vol.71:1 pp195-210.

Puplambu, B.B.

- Theory of Work and Citizenship:. Proceedings of the 25th ICAP 2002a .
- "We all work. Who studies us?" Proceedings of the 25th ICAP 2002b.
- "The "Neglected Professions" – Why don't we study Taxi Drivers, Waiters, Farmers, Street Sweepers and? The Occupational Psychologist, Vol.48, pgs 3-9.

Puplambu B.B., Lewis, C & Hogan, D,

- (2003b) References in Employee Selection: Prediction or Verification? Ife Psychologia, An International Journal of Psychology in Africa. Vol. 11, 1, pp 1-11.

Seminars / Conferences / Workshops

Abdulai, A.I.

- "Our Human Resources at Risk: A situation Analysis of Child Labour in Ghana" Inter-Faculty Lecture, School of Administration, University of Ghana, Legon 28th November, 2002.
- "The Ghanaian Chief as a Manager Between Tradition and Modernity". A paper presented at the International Conference on Chieftaincy in Africa Culture, Governance and Development, University of Ghana, Legon 1-12, January 2003.

Asibuo, S.K.

- Member of Ghana Government Delegation – Regional Workshop on Governance And Public Management – Emerging Lessons From Implementation. Organized by the World Bank Institute at Johannesburg, South Africa, June 9-11, 2003.
- Ethical Dilemmas in the District Assembly System. A paper presented at the Workshop for Presiding Members from Ashanti, Brong Ahafo, Greater Accra and Eastern Regions. Organized by the Institute of Local Government Studies, Kumasi (February 7, 2003 and Madina March 14, 2003).

Buame, S.C.K.

- "Tourism: A Driving force for Poverty Alleviation, Job Creation and Social Harmony – Adaklu Mountain, Saturday, 20th September, 2003.
- Conflict Management February 2003, Erata Hotel.
- "Entrepreneurship and Job Creation- SMEs in Ghana: Organised by Maastricht School of Management (MSM) and International Centre for Enterprise and Sustainable Development (ICED). 3rd – 13th September, 2002, Golden Tulip Hotel.
- Managerial and Administrative Control (Wednesday, March 13, 2002, Bay View Hotel, Accra).
- Procurement and Supply Management. International Centre for Enterprises and Sustainable Development (ICED) Venue: Bay View Hotel, Wednesday, March 3, 2002.

Domfeh, K.A.

- Workshop on Poverty Mapping and Facilitation Techniques, Organised by the Social Investment Fund and GTZ at Greenland Hotel, Agona Swedru, July 27-August 2 & August 17-21, 2003.
- Workshop on Women and Sustainable Natural Resources Management, Sefwi Wiawso District Assembly Hall, Sefwi Wiawso, Western Region, June 3-6, 2003. Paper Presented: Environmental Health and Sanitation.
- Chartered Institute of Administrators – Ghana's (CIA-G) First Mandatory Continuing Professional Education Workshop (MCPE), GNAT Teachers Hall, March 20, 2003. Paper Presented: Advanced Project Planning, Preparation and Implementation.
- Seminar on Environmental Planning and Governance, Sefwi Wiawso District Assembly Hall, Sefwi Wiawso, Western Region, October 29-Novemebr 1, 2002. Paper Presented: Environmental Planning and Good Governance.

Osei K.A.

- The African Economic Research Consortium (AERC) Biannual Conference in Durban, South Africa – December 2003. Paper presented – Macroeconomic factors and share prices on the Ghana Stock Market.
- The Global Development Annual Conference on Development Issues in Cairo – January 2004, Invitational.
- AERC Workshop on Measurement of Poverty in Nairobi, February 1st –15th.

SCHOOL OF COMMUNICATION STUDIES

Overview

The School enrolled its first batch of students in its new straight twelve-month M.A programme. The M.Phil continued to run.

Enrolment numbers were:

Master of Arts	25
Master of Philosophy	5
Total	30

Staff**Academic Staff**

K. Asu-Kyeremeh	Associate Professor & Director
Kwame Karikari	Associate Professor
A.K. Bonnah Koomson	Senior Lecturer
Audrey Gadzekpo	Senior Lecturer
*Margaret I. Amoakohene	Lecturer
G.K.M. Tietaah	Lecturer

Part-Time Lecturers

Mr. Kwaku Mensa-Bonsu
Mr. J.E Allotey-Pappoe
Mr. Kwame Gyasi
Prof. Kofi Kumado
Dr. A. Afrifa

*Currently on sabbatical leave.

Research Activities

Ansu-Kyeremeh, K.

- (January/February, 2002) "An Analysis of the Contents of the Daily Graphic Newspaper" (with Margaret Amoakohene and Audrey Gadzekpo).
- (October/November, 2001) "Survey of the Views of Greater Accra Resident Voters on the Administration of President John Agyekum Kufuor of the New Patriotic Party (NPP)" (with A. Essuman-Johnson).

Karikari, K.

- Media and Conflict in Africa: A study of cases in 10 countries.
- Media Development in Post-conflict Liberia, DRC and Somalia
- Coverage of Public Health in Media in Africa.

Gadzekpo, Audrey

- Media Complicity/Resistance under Unconstitutional Rule in Ghana. Report submitted to the National Reconciliation Commission, September, 2003 (with Bonnah Koomson)

Publications

Ansu-Kyeremeh, K.

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

- (2002) Mass Communication and Education in Ghana: A Globalization Perspective. *Ghana Studies*, 5:43-59.
- "Culture of Silence": Change Without Continuity in an African Communication Framework, *Legon Journal of the Humanities*, 12(1999-2001): 31-52.
- Communicating Nominatim: Some Social Aspects of Bono Personal Names, *Research Review*, 16(2) : 19-33.

Karikari, K.

- An Assessment of Media in the Horn of Africa
- International Media Support, Denmark.

Gadzekpo, Audrey

- Mid-term Review of the Kufuor/NPP Administration. Briefing Paper, December 2002. Centre for Democratic Development.
- (2002) The Chief is Dead, Long Live the BBC: Globalization and Cultural Identity in Ghana. *Media I Africa*. Fellestradet for Afrika, Oslo.
- (Forthcoming) Addressing the Past: Media Complicity in Human Rights Violations in Ghana. *Equid*, Nov.
- Forthcoming) The State of Broadcast Regulations on Children in Ghana: UNESCO International Clearinghouse on Children

- (Forthcoming) *The Adventures of the Black Girl in her Search for Mr. Shaw* (1934) and other writings by Mabel Dove-Danquah, with Stephanie Newell. Trent Editions.
- (Forthcoming) *Behind the 'Gloria' Veil: Women and Writing Culture in Colonial Ghana*. In Barber, K. (ed.). *Social histories of reading in Africa*. James Currey.

Conferences, Seminars, Workshops

Ansu-Kyeremeh, K.

- (July 14-18, 2003) World Summit on Information Society (WSIS) Intersession Meeting, Paris, France.
- (June 16-18, 2003) Pan-Arab and African Conference on World Summit on Information Society (WSIS), Cairo, Egypt.
- (February 17-28, 2003) World Summit on Information Society (WSIS) 2nd Preparatory Committee (PrepCom2) Meeting, Geneva.

Karikari, K.

- *Media and Reporting Conflicts*, Stockholm, Sweden, May 2003.
- *Assistance to Media in Developing Countries*. Oslo, Norway, October 2003.
- *Media Law Reform in the Horn of Africa*, Addis Ababa, October 2003.

Gadzekpo, Audrey

- World Bank workshop on Media Capacity Enhancement for editors of media in Ghana – Swedru, September 26-27, 2003.
- National Media Workshop on Communication for Education – sponsored by COMED, September 22 & 26, 2003.
- 13th Biennial Conference, African Council for Communication Education (ACCE) Abuja, Nigeria, August 10-13, 2003.
- Ghana Journalists Association' Evaluation Meeting, July 21, 2003.
- 2nd World Bank, Development Dialogue Series, Accra, May 23, 2003.
- International Association of Women in Radio and Television (IAWRT) Biennial Conference, Accra, 5-10 May, 2003.
- Development Dialogue Workshop organized by World Bank, May 2003.
- Three-Day Workshop on Media and HIV/AIDS Prevention, Ghana Journalists Association and Ghana AIDS Commission, March 11-13, 2003.
- Capacity Building Workshop for Leadership of Parliamentary Committees. At Akosombo, CDD-Friedrich Naumann Foundation, February 22-23, 2003.
- Two-Day Seminar to enhance the capacity of journalists in investigative reporting organized by the Ghana Integrity Initiative and the Media Foundation for West Africa 18th-19th February, 2003.
- Human Rights Seminar, Friedrich Naumann Foundation, Gumersbach, April 2003.
- 11th International Anti-Corruption Conference (IACC) in Seoul, Republic of Korea, from the 25-28 May, 2003.
- 13th Biennial Conference, African Council for Communication Education (ACCE) Abuja, Nigeria, August 10-13, 2003.

- Third All African Conference of Transparency International in Yaounde, Cameroon, from the 9-11 October, 2003.

Tietaah, G.

- September 2003) AGM and Conference of the Media Institute of Southern Africa (MISA), Dar-es-Salaam, Tanzania.
- (July 2003) Joint Media Foundation for West Africa (MFWA), International Media Support (IMS), United Nations Office for the Coordination of Humanitarian Affairs (OCHA) and UNESCO regional collaboration planning meeting on Media and Peace in West Africa, Accra, Ghana, July 8-10.
- (April 2003) Planning meeting on Public Broadcasting Models in Africa, Braamfontein, South Africa, April 7-8.
- (March 2003) Orientation /training workshop for Media Foundation for West Africa (MFWA) correspondents – on monitoring, identifying, investigating and reporting attacks and infringements or threats to freedom of expression; media law reforms; and developments that affect the media generally, Accra, Ghana, March 17-18.
- (February 2003) Workshop on Reorganisation of Panos West Africa Publications, Dakar, Senegal, February 17-18.
- (November 2002) ICT Policy and Civil Society Workshop, Addis Ababa, Ethiopia, November 6-10.
- (May 2002) Africa Regional Conference for the World Summit on the Information Society, Bamako, Mali, May 26-31.
- (March 2002) Zongo-Giwa, the magazine of the Media Foundation for West Africa; to date.
- (February 2002): Training Course for Labour Correspondents, Labour College, Accra, February 18-19.

SCHOOL OF NURSING

The Department submitted a proposal to become a School in the College of Health Sciences, University of Ghana. Approval had been given to the proposal up to Academic Board level. The Department continued to offer courses at both undergraduate and graduate levels. The number of students seeking admission to pursue nursing at the undergraduate level kept increasing against limited academic staff and limited facilities.

In the year under review, a total of 265 students enrolled in the Department

The breakdown was as follows:

Level 200	93 Students
Level 300	5 students
M'Phil (Second Year)	6 Students
Total No. Of Students	265 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

Senior Staff

Miss Gladys Adeyemoh	Principal Nurse Technician
Miss Patricia Avadu	Principal Nurse Technician
Miss Lydia Aziato	Senior Nurse Technician
Miss Vivian Darkwah	Senior Nurse Technician
Miss Adzo Tsahey	Senior Nurse Technician
Miss Gladys Dzansi	Temporary Senior Nurse Technician
Mr. Simon A. Donkor	Temporary Senior Nurse Technician
Miss Alice Otu	Snr. Library Assistant (On Leave Without Pay)
Miss Regina Ankrah	Administrative Assistant
Mr. Ashalley Mensah	Asst. Transport Officer
Mr. Emmanuel Ashia	Asst. Transport Officer

Junior Staff

Ruth Wiredu	Clerk Gd. I
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
Maxwell Bansah	Messenger/Cleaner
Emmanuel Folly	Cleaner

Research Activities

Opare, Mary

- Shortage of Nurses in Ghana. (In progress).
- Clinical Teaching of student Nurses- Preceptor ship.
- C3`History of Nursing in Ghana. 1925 - 1975. (In progress).

Aniteye, Patience

- Induced abortion Among Selected Ghanaian Hospitalized Women (Unpublished).

Publications

Opare, Mary

- Opare, M and O'Brien, B. (2002) Qualitative Research in a Quantitative Environment. Western Journal of Nursing Research.
- Opare, M (2002) Setting the context for Preceptor ship in Ghana: Reflections on a project to introduce preceptor ship into peri-operative and critical care nursing programme. West African Journal of Nursing. 13 (1) 35 – 39.
- Mill, J and Opare M. (2002) "We need to know: Ghanaian students Nurses Knowledge and Attitudes toward AIDS patients". African Journal of Nursing & Midwifery.

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

- Collison, A.H.K. Peterson, F. Aniteye P. (2002) Maternal Mortality: The Situation in Korle-Bu Forwarded for Publication)

Seminars / Conferences / Workshops Attended

Opare, Mary

- Evaluation for Development Project. Swaziland - by W.H.O. 3 – 7th September. 2002
- Corporate Strategic Plan Development Workshop – College Of Health Sciences. Greenland Hotel – Agona Swedru. 6th – 11th October, 2002
- Curriculum for Structured In-Service Training: Accident and Emergency Care. Kinsby Hotel, Accra. 25th – 29th March, 2002
- Integrated Management of Childhood Illness (IMCI), Accra. 11th – 13th February 2003
- Ghana Health Professional Workshop: Sharing Experiences and Moving Forward. Hosted by the British High Commission, Accra. 19th – 20th March, 2003.
- 16th Scientific Session of the 7th Biennial conference of West African College of Nursing: Applying Information for Effective Nursing Care: A Dilemma for Nurses in Sub-Saharan Africa, Accra. 19th March 2003
- Preparation of Facilitators /Resource Persons for -Structured In-Service Training (SIST), Accra. 23rd – 29th June, 2003.

Oware-Gyekye, Faustina

- Young people and HIV / AIDS infection in Ghana Faculty of Nursing, University of Alberta, Edmonton (June, 2002)
- Research Methodology workshop, International Institute for qualitative methodology, University of Alberta, Canada, 14th June 2002.
- Training of Trainers for preceptor ship, Department of Nursing, July 2002
- Review of draft lay counseling manual on Adolescent Health by Reproductive & Child Health, 26th – 30th August 2002.
- Applying Information Resources for Effective Nursing Care: A Dilemma for Nurses in Sub-Saharan Africa – 16th Scientific Session of the 7th Biennial Conference of West African College of Nursing, 19th March, 2003
- AYA sustainability workshop on Proposal Development, 20th – 23rd July, 2003 Sogakope
- AYA – Faculty Assessment Training Workshop, 27th July – 1st August, 2003, Accra.
- Challenges of Reproductive Health in the new Millennium: The role of the Nurse, Faculty of M.C.H. West Africa College of Nursing 1st – 2nd September, 2003.

Aniteye, Patience

- 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 Jan. – 1st Feb. 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.
- Seminar of Globalization, Care and Survival by Institute of African Studies. 27th March, 2003
- Carnegie Corporation Workshop on Fundraising and Proposal Writing. 22nd – 26th April, 2003
- Consensus Building Meeting on the 2nd Edition of the National Reproductive Health Service Policy and Standards. 22nd July 2003.
- Induced Abortion Among Selected Hospitalized Ghanaian Women. Faculty of Nursing, University of Alberta, Edmonton, August 2003
- Research Methodology Workshop. International Institute for Qualitative Methodology, University of Alberta, Canada. 5th – 8th August, 2003
- Regional Prevention of Maternal Mortality Network, 2nd Generation Results Conference "Striving Towards Achieving the 5th Millennium Development Goal in Africa: Reducing Maternal Mortality

Other Events

Miss Gladys Dzansi and Mr. Simon Aketewah Donkor were employed as Temporary Nurse Technicians to assist with the clinical teaching of the students.

Mrs. Oware-Gyekye visited University of Alberta, Canada for six weeks to meet with Canadian Colleagues in relation to students' thesis supervision. She also attended

meetings and seminars and made a presentation at a workshop organized by the Faculty of Nursing, University of Alberta, Edmonton.

The Ministry of Health (MOH) Ghana sponsored four (4) M'Phil students for a six-week educational visit to University of Alberta, Canada. Three Faculty Members also visited the University of Alberta, Canada.

Mrs. Dorothy Maame Donkor, Principal Nurse Technician, Mrs. Susana Tettey, Senior Nurse Technician and Miss Rosemond Serwah, a Junior Library Assistant Grade II resigned their positions during the Academic Year.

Eight (8) undergraduate students from the University of Alberta, Canada, were at the Department for a 10-week Field Work in International Health.

Visitors

Lecturers from Faculty of Nursing, University of Alberta, Canada visited the Department. They were: Dr. Vicki Strang, Dr. Linda Ogilvie Dr. Jane Drummond and Dr. Marion Allen.

Donations

The College of Health Sciences, Korle-Bu donated two computers to the Department.

Obituary

Ms Emelia Okantey, a Level 200 student died through childbirth.

SCHOOL OF RESEARCH AND GRADUATE STUDIES

Overview

1,895 applications were received during the year under review. This was made up of 1,356 males and 539 females. Out of this number 1,100 applicants were offered admission into the various programmes in the Faculties of Science, Agriculture, Social Studies, Arts, Law; College of Health Sciences, and the School of Administration. However, only 709 students enrolled for the various programmes in the Faculties.

The breakdown by Faculties and by gender is as follows:

Faculty	Gender	
	Male	Female
Administration .	120	41
Agriculture:	40	11
Arts:	58	16
Sciences:	72	31
Law:	1	1
Social Studies:	207	111
Total	498	211

Grand Total: 709

There were 496 males and 211 females. These numbers do not include admissions from the affiliated institutions of the University which have postgraduate programmes

Student

The School of Research and Graduate Studies enrollment figure for 2002-2003 stood at 1,397. The number included fresh and continuing graduate students pursuing Postgraduate Diploma, MA, MDM, MFA, MPH, EPM, LLM, M.Phil, MBA, MPA, EMBA and Ph.D.

New Programmes

During the year under review the Academic Board approved the following new graduate courses.

Masters in Social Work (MSW)
Ph.D in Environmental Studies

Graduation Figures

Four hundred and seven (407) students graduated during the 2002-2003 academic year. The breakdown is as follows:

Humanities	- 367
Science	10
Agriculture	4
College of Health Sciences	26

Staff

The staff for the School of Research and Graduate Studies is as follows:

Dean
Senior Assistant Registrar
Assistant Accountant
Chief Administrative Assistant

- Senior Administrative Assistant
- Administrative Assistant
- Administrative Assistant/Hostel Manager
- 2 Senior Clerks
- Clerk Grade II
- 2 Messenger Cleaners
- 11 Porters – Graduate Hostels
- 12 Cleaners – Graduate Hostels
- 4 Artisans

Graduate Handbook

The Graduate Handbook has been revised. The revision involved publication in three volumes as follows:

Volume I	Regulations
Volume II	Humanities
Volume III	Science and Agriculture

Future

In line with the University's Strategic Plan, the role of the School has been expanded to include Research. It is therefore to be known as the School of Research and Graduate Studies. The Research function will include Grant Applications and Reporting, Contract Research (including Consultancy), Ethical Clearance, Registration, Patenting and Commercialization of Intellectual Property.

SCHOOL OF PERFORMING ARTS

ABIBIGROMMA RESIDENT THEATRE COMPANY

Abibigromma is the Resident Theatre Company of the School of Performing Arts, University of Ghana, Legon. Established in 1983, the group is made up of graduates of the School and the ranks of accomplished traditional artistes from Ghana. The group was privileged to be invited by Parliament to perform a play, *Our Husband Has Gone Mad Again* by Ola Rotimi, as part of activities marking this year's Parliamentary Week at the National Theatre in January, 2003. 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 was also invited by the Institute of Chartered Accountants to perform at it's Sod-Cutting ceremony on the site of it's permanent Institute.

The group successfully put up a new play "The Midnight Blackout" by Femi Osofisan and directed by Grace Hassan, a visiting lecturer to the Department of Theatre Arts in October. Abibigromma also performed choreographed and traditional dances on invitations by some organizations throughout the year.

Educational Tours

The group did not undertake any educational tour this year due to non-availability of sponsorship.

Foreign Engagements

Abibigromma was once again privileged to be appointed as the Official Cultural group for the 3rd Ecowas Trade Fair which was held in Lome, Togo on March 7th – 8th, 2003. The group ushered in His Excellency, J.A. Kuffuor, President of the Republic of Ghana and Chairman of ECOWAS, who officially, opened the Fair. The group also performed various choreographed and traditional dances to portray our rich Ghanaian culture at the Fair.

The group also had a proposal agreement with the organizers of Ghana EXPO 2003 to perform at their Exhibition Fair and at various places in London in October, 2003 but the group could not make it due to non availability of sponsorship and financial constraints.

Currently, the group is preparing to put up the following productions for the last quarter of the year. *Our Husband Has Gone Mad Again*, *Midnight Hotel*, *Tipawumli*, *Blood and Tears*, *Through a Film Darkly*. Meanwhile, there are a number of State and Organizational engagements to honour before the end of the year.

Development Programmes

Abibigromma still faces 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 Estate Organisation of the University, which is still being developed with funds from the group's meager coffers to be used as an alternate rehearsal place.

However, this place also seems not to be so conducive due to some problems the group is facing including very loud noise, inhaling of chemicals due to the spraying of cars at the garage which is very near to the place of rehearsal, etc.

We therefore, repeat our appeal to the University Authorities to provide us with a convenient place for rehearsals. The group is also appealing to the University as well as donors, individuals, to help it acquire a bus, (which is a major priority of the

group), office equipment such as a computer with internet facilities, a photocopier and a video camera. These items will go a long way to help Abibigromma in its administrative work and documentation and earning revenue for the University as well.

Projections for the year 2004

For the coming year a number of productions and activities have 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* Yaw Asare's *Dance of the Spider* and *Ananse in the Land of Idiots*. The group hopes to produce its Bi-annual Theatre Festival dubbed "Abibigro", which is to be held at the Efua Sutherland Drama Studio, Legon. Also coming up will be some new musical productions including an *Atenteben* (flute) Ensemble and also choreographed dances, and dance-drama.

Hopefully, the Educational Tours will be pursued this year, to give live performances of the set text for both English Language and Literature. 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.

In between the crowded schedules, the group would accept invitations to perform at State functions and various organisations to enable the group earn more revenue for the University.

DEPARTMENT OF DANCE STUDIES

Overview/Courses/Students

The Department of Dance Studies continued to offer programmes in African dance and related fields. Its programme leads to a three-year Bachelor of Arts degree, four-year Bachelor of Fine Arts degree, and a two-year Diploma in Dance Studies. The two-year Diploma programme also served as a pre-requisite qualification for "O" level students and teachers wishing to gain admission to the Bachelor of Fine Arts.

A Master of Fine Arts and Master of Philosophy syllabus have been completed during the academic year and added to the post-graduate programme of the Department of Theatre Arts for the benefit of students interested in combined studies of dance and drama. Students of the post-graduate programme are also offered the opportunity to take courses run by the Institute of African Studies.

The Department's teaching and research programme are developed from four central concepts of appreciation, choreography, performance and documentation.

Studies in appreciation leads to the ability to make an informed and critical judgement about the form and nature of the dance, as well as the relationship of related art forms. The study of choreography emphasizes techniques concerning the making and development of dances, dance-drama and organised movement activity in pageantry, while performance looks at the technical training of the student in movement expression and dancing. Documentation is concerned with studies in movement analysis and notation as well as the dance video and film.

Other areas that have been dealt with in the dance programme are the study of the geographical, historical and cultural contexts of the dance, including movement aspects of customary behaviour, costumes, make-up, paraphernalia, properties, theatre management, stage-craft, aerobics/movement techniques. African instrumental music performance and songs.

The Department's programme continued to attract a lot of students, including foreigners. Foreign students, during the year, took courses and conducted research into aspects of performance studies, the relationship of African dance, instrumental music, and dance ethnology. One hundred and eighteen foreign students were enrolled during the year.

Student Numbers

1st Semester

B.A. Level 100	140
B.A. Level 200	23
B.A. Level 300	5
B.A. Level 400	11

B.F.A. Level 100	99
B.F.A. Level 200	20
B.F.A. Level 300	32
B.F.A. Level 400	2

Diploma I	89
Diploma II	71
Total	492

Foreign Students	58
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2nd Semester

B.A. Level 100	169
B.A. Level 200	23
B.A. Level 300 -	5
B.A. Level 400	16

B.F.A. Level 100	97
B.F.A. Level 200	19
B.F.A. Level 300	32
B.F.A. Level 400	2
Diploma I	89
Diploma II	70
Total	522
Foreign Students	60

Obituary

Mr. Kwasi Asare, Production Assistant and Drummer died at the Ridge Hospital, Accra on January 15, 2003 after a short illness.

Structural Facilities

Structural Facilities – Classrooms, offices and dancing halls are very limited. The Department could therefore not offer enough space to the numerous students for movement activity and sound learning.

Return to Post

Ms. P.A. Kwakwa, returned to post during the year after two years sabbatical leave from 2000-2002.

Appointment

Mrs. Boakyewa Akua Abloso, formerly Chief Production Assistant, has been appointed a Tutor during the year.

Research

Adinku, W.O.

- Ongoing research in the following areas:
 1. Dance Artists in Ghanaian Education.
 2. Traditional Dance Scholarship in Ghana.

Retreat

Faculty of Arts, University of Ghana March 20-23, 2003.

Agona-Swedru, Ghana, Participant.

Examination

W.O. Adinku served as an Internal Examiner for Ph.D Thesis in African Studies, University of Ghana.

Kwakwa, P.A.

- Ongoing research: Documentation of Dance Forms of Ghana.

Staffing (At Post)

Lecturers/Tutor

Prof. W.O. Adinku

Associate Professor/Head of Department

Ms. P.A. Kwakwa	Senior Lecturer
Nii Kwei Sowah	Lecturer
Mrs. Boakyewa Akua Abloso	Tutor
On Sabbatical Leave	
Mr. S.A. Newman	Senior Lecturer
Drummers/Musicians	
Mr. Kwasi Asare	Production Assistant – died on January 15, 2003
Mr. Seth Gati	Senior Drumming Instructor
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
Temporary Staff	
Mr. S.E.K.Nyamuame	Senior Production Assistant
Miss Rukaya Rockson	Production Assistant
Mr. A.T. Kpebesan	Drummer Grade III
National Service Personnel	
Ms. O.A. Danso	
Ms. B.D. Akpebu	
Ms. A. Amoako	

DEPARTMENT OF MUSIC

Overview/Courses

The Department of music offers a wide range of academic and practical courses in the following programmes: Ph.D. (3 years fulltime & 5 years part-time) 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 enrolment stands at 906 total. This includes students majoring in music as well as a good number of non-majors. There are 2 Ph.D. students and 14 graduate students in the MA and M.Phil. programmes. There are 755 undergraduate students in BA, BFA and B.Mus. and 106 students altogether in the Diploma programmes.

Detailed enrolment figures are as follows:

Diploma in General Music

I	70
II	36
B.A. / B.F.A 100	520
B.A. / BFA/ 200	120
B.A. /B.F.A. /B.MUS300	96
B.A. /B.F.A. /B.MUS 400	19
M.Phil / MA I	9
II	5
Ph.D.	2
Foreign Students	29
Total	906

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 29 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 (African, World, Black Diasporic)
- Music and technology (Electro-acoustic Music)
- Church Music and local gospel
- Music Education
- Out-reach and Work experience programme

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 composed by Dr Anku, with students of the three Departments namely, Music, Dance and Theatre Arts, performing. 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 of 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 students 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 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 17. There are 9 full-time, 5 part-time faculty members 2 Instructors and 2 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 Mr . A. Dzokoto has taken 2 year part-time study leave.

Research

During the year, staff were engaged on research projects indicated against their names:

Asante, Darkwa

- Symbolic Associations of Traditional African Musical instruments.
- Symbolic Associations of African Musical Instruments
- The role of Hymns in Presbyterian Church Worship in Ghana.
- The Background of the Performers of Ghanaian Gospel Music.

Collins, J.

- On-going research into African popular dance music, neo-traditional music and local music industry. Also World Music and Black Diasporic Music

Andoh, T.E.

- Choral Music of early Ghanaian composers.
- History of the evolution of Ebibindwom: The Akan sacred lyric, in the Methodist Church, Ghana.
- A Hand Book on Music and Dance for Training Colleges with J.A. Amuah.
- M.K. Amissah: An assessment of his Choral Works
- In preparation: E. Pappoe-Thompson A Critical Review of his Choral Works
- (In preparation) Choral Works of Some Early Ghanaian Composer: (with analysis).

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.

Boamah, E.

- Piano Recordings with Unique FM 95. Programme: "Maestro of the Night"
- Research Project: African Pianism
- Original Piano Compositions

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 28th – Aug. 20th 2002
- Visiting Lecturer, Simon Fraser University, Oct. 22nd to Nov. 10th 2002.
- 2002: Seminar & Lectures on Structural Set Theory of African Music & Music in African community life; Simon Fraser Univ, Vancouver, BC.
- 2002: Seminar & Lectures on Structural Set Theory of African Music & Music in African community life Univ. of British Columbia, Vancouver, BC.
- 2002: Seminar on Structural Set Theory of African Music. Capilano College Vancouver, BC.
- 2003: International Symposium on The Music of Africa: Topic: Structural Set Theory of African Music. Oct. 10-11, Princeton University.
- 2003: University of Pretoria, Music Dept Seminar: Topic: Theoretical Principles of African Music. Sept. 28- Oct. 3. Pretoria.
- 2003: International Association of Sound Achivist Conference: Topic: Musical Transcription and Virtual-Scape: Reconstructing Collective Memory. Sept. 21-25 Pretoria.
- 2003: Seminar & Lectures on Form and Structure of African Music & Music in African community life; Portland State University, Oregon. International Fellowship Programme. Summer (July/Aug. 2003).
- 2003: Faculty of Arts Colloquium; University of Ghana. Research in Progress. May 2003.
- 2003: Musical Transcription and Virtual-Scape: Reconstructing Collective Memory. IASA (International Association of Sound Achivist) Conference: Sept. 21-25 Pretoria. (forthcoming).

Collins, J.

- "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 25-29 April, 2001.

- Seven lectures on 'Jazz Returns to Africa' for the US Public Affairs Section of the US Embassy Black History Month, Ghana National Theatre, 8th Feb. to 22nd March 2002
- Ghanaian Christianity and Popular Entertainment: Full circle. Paper read at the Symposium on Performing Arts organized by the Insitute of African Studies, University of Amsterdam June 13-14 2002 as part of the 300 years Ghana/Holland Celebration
- World Music and Eco-Tourism. Paper read at Eco-Fest Symposium. La Palm Hotel, Accra, 14-15th October 2002
- Lecture on the History of Highlife at Woolwich Townhall, London on 5th July 2003 for the Greenwich Educational Committee, UK
- Sabbatical lecture tour (Nov/Dec 2002) Lectures on African / Black Diasporic performance at: GERMANY the university of Witten/Herdecke and the Mainz University African Studies Dept. SWITZERLAND - the History and Ethnomusicology Depts of Zurich University, The Ethnomusicology and History Depts of Basel University, a meeting of the Swiss Ethnomusicological Society. FRANCE - The African Studies Centre in Paris.
- Sabbatical one month residency 23 February-23rd March 2003 at Dartington College UK and lectures/workshops at Cambridge University Music Department, Anglia Polytechnic University, School of Oriental and African Studies (SOAS) and Exeter University
- One Hundred years of West African Highlife: "African Guitarism". Paper read at the 'Second International Symposium and Festival on Composition in Africa and the Diaspora' held at Churchill College, Cambridge University, 1-4th August 2003 organised by Professor Akin Euba.
- Showcasing Archives in Africa: The BAPMAF Highlife Centre. Paper read at the Audiovisual Archives: Memory and Society Conference of the International Association of Sound and Audiovisual Archives (IASA), held at the University of Pretoria, South Africa, 21-15 September 2003.

Asante, Darkwa

- 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, N.

- Conferences attended: CODESRIA African Humanities Institute Symposium held in Legon Sept. 17-19, 2003, Chairman for Panel X; Foundation Works in African Music & Dance Sept. 19, '03.

Kongo, Z.

- Workshop on Afro-Barometer of Democracy: (CDD) Ghana Center for Democratic Development, Aug. 2003.

- Princeton University: 10-11 October, 2003, Symposium on Structures in African Music.

Publications

Collins, J.

- 'The Generational Factor in Ghanaian Music: Concert Parties, Highlife, Simpa, Kpanlogo and Gospel'. In *Playing With Identities in the Contemporary Music of Africa*, (eds. M. Palmberg and A. Kirkegaard), Published by the Nordic African Institute/Sibelius Museum Apo, Finland. 2002. pp 60-74.
- Three articles on the Ghanaian Music Industry (A Quarter Century of Problems: The Way Forwards: The Gospel Boom) In *West Africa Magazine*, London, 19-25th August 2002, issue 4339, pp. 8-13.
- Eight entries (on the Ghanaian and Liberian popular music and recording industry) for the *Continuum Encyclopaedia of Popular Music of the World Vols. I and II* (eds. John Shepherd, David Horn, Dave Laing, Paul Oliver and Peter Wicke) published by Cassell, London, March and May 2003.
- 'The "Folkloric Copyright Tax" Problem in Ghana'. In *Media Development, the Journal of the World Association for Christian Communication*, London. No. 1, 2003, pp 10-14.
- 'Fela and the Black President Film: A Diary'. In the book *Fela: From West Africa to West Broadway*, (ed Trevor Schoonmaker), Palgrave/Macmillan Press, June 2003, pp 55-77.
- Paper for World Bank "Request for Financing the Ghanaian Music Industry" (Collins was on short-term consultancy contract to the World Bank (on 15th Feb. -20th May, 2003)

Darkwa, A.

- Book on "Profile of Music and Dance Traditions in Kenya: Ethnographic Survey" (in preparation)

Kongo, Z.

- ISME Workshop: Pretoria 2003 January. Co-author of *Musical Arts of Africa: see Chapter on Improvisation and Extemporization in the sub-Saharan Africa*.

Fiagbedzi, N.

- Book on *Form and Meaning on Ewe song A Critical Review* (ready for publication)

Anku, W.O.

- 2003: *Musical Transcription and Virtual-Scape: Reconstructing Collective Memory*. IASA (International Association of Sound Archivists) Conference: Sept. 21-25 Pretoria. (forthcoming).
- 2003: *Oral Composition - Composing techniques of Akan, Ewe and Ga cultures*. *Musical Arts in Africa: Theory, practice and education*. Edited by Anri Herbst, Meki Nzewi, Kofi Agawu. University of South Africa, Pretoria pp 118 - 141.

- (forthcoming) *Circles and Time: A Theory of Structural Organisation of Rhythm in African Music*. In *The Composition and Transmission of Musical Forms in Africa*, edited by Kofi Agawu and Kofi Anyidoho. Dakar: CODESRIA.
- (forthcoming) *Improvisation in Sub-Saharan African Music: Theory and Practice*. In *The Composition and Transmission of Musical Forms in Africa*, edited by Kofi Agawu and Kofi Anyidoho. Dakar: CODESRIA.

INTERNATIONAL CENTRE FOR AFRICAN MUSIC AND DANCE (ICAMD)

Overview

During the year under review, the Centre (ICAMD) continued to carry out its primary mission of the promotion of international scholarship and creativity in African music and dance. It catered for the needs of Africa as well as those of scholars, research students and creative artists world-wide by serving as

- a Forum for international meetings, conferences, seminars, workshops and special events in African Music and Dance;
- an Archival, Documentation and Study Center for African Music and Dance;
- a Clearing House for Information on events, artists, scholars and institutions concerned with the study and promotion of African music and dance;
- a unit for the promotion and coordination of research, creative, and development projects in music and dance; and
- a facility for the preparation of monographs, source materials, bibliographies, and the publication of an International Journal of African Music and Dance.

Staff Position

At the beginning of the 2002/2003 Academic Year, the workforce of the Centre was 29 – made up of 7 Senior Members/Researchers, 5 Senior Staff and 5 Junior Staff and 12 other Junior Staff of the Hewale Sounds, the Resident Performing Group of ICAMD.

Dr. Asante Darkwa continued to act as Director and Emeritus Professor J.H. Kwabena Nketia also continued to serve as Consultant.

Local Secretariats and Chapters

ICAMD has set up Secretariats and Chapters in the West, East and Southern Africa regions. These Secretariats and Chapters serves as the outposts for the coordination of programmes with scholars and artists in these regions. ICAMD has given Ten Thousand Dollars (\$10,000) for the administrative, secretarial and communication needs of the Southern Africa Secretariat at the Department of Music, University, of

Transkei, Umtata, South Africa. The Secretariat at the Department of Music, Maseno University Kenya and the Chapter at the Institute of African Studies, University of Ibadan, Nigeria are yet to receive their support.

Library and Audio-Visual Archive

The holdings of ICAMD Library and Audio-Visual Archive have considerably expanded through direct purchases of local and foreign print and audio-visual materials. The library stocks important books and magazines on African culture, African music and dance, and books and journals on other cultures. African It has copies of dissertations, theses, long essays and very rare documents that cannot be found elsewhere. The Library also has books and manuscripts on Western Music, Drama and Theatre Arts

The Audio-visual archive, which is the backbone of the Centre, holds over 11.600 audio cassettes, of which about 700 are field recordings by researchers, staff of the Centre and graduate students, as well as recordings of conferences, seminars and workshops organized by the Centre. There are 280 compact discs (CDs), 100 digital audio tape (DAT) recordings, 400 (VHS and Hi-Fi) video cassettes, 300 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 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 even 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.

Donations

The Centre continued to receive donations of Equipment (cameras cassettes recorders and accessories, as well as books, journals and periodicals, compact discs (CDs), audio cassettes and video recordings of African music and dance traditions and musics and dances from other parts of the world. These donations were made by Visiting Scholars/Researchers, organizations and institutions.

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.

The 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, quick time files, videos, books, dissertations / theses, etc.

This object 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. A web page have also been designed to provide muscial material to be assessed by the youth.

Memorial Lecture

One of the major events organized by the Centre is the Dr. Ephraim Amu memorial Lecture which takes place in March every year at the National Theatre. Last year's Amu Memorial Lecture was delivered by Professor Reginald Fraser Amonoo (Fellow of Ghana Academy of Arts and Sciences) under the title "Music and Moral Philosophy: Ephraim Amu's Compositions Revisited" This lecture was held on March 25, 2003.

Living legends

ICAMD and the National Theatre of Ghana presented the first of the Living Legends Series program at the National Theatre on July 26, 2003. The Personalities whose works were featured were Odomankoma Kyerema Kofi Ghanaba and Professor J.H. Kwabena Nketia

International Cooperation

Working relations have been established with a number of international bodies and institutions such as the International Music Council (UNESCO) for whom ICAMD serves as a Regional Secretariat), University of Michigan, Ann Arbor, University of California, Los Angeles, and Swarthmore College, Swarthmore, Pennsylvania, U.S.A.

ICAMD is part of a functioning network of educational centres in Africa and the U.S. The Centre participates in International Exchange Prorammes and has established working relations with the International Institute at University of Michigan, Ann Arbor which serves as the U.S. Secretariat of ICAMD; Department of Music, University of Colorado, Boulder, Colorado; the World Music Centre at West Virginia University, Morgantown, West Virginia, Department of Music, University of Pittsburgh, Pennsylvania. These Universities coordinate U.S. participation in summer programmes of lectures and workshops in African Music and Dance at ICAMD.

Publications.

ICAMD has published some music books, and teaching manuals and produced audio cassette tapes and CDs on African music.

These include

1. Collected Papers (Ethnomusicology) Volumes 1 and 2 by J.H. Kwabena Nketia.
2. African (Ghanaian) Drum Music: Adowa, Atsiagbekor, Slow Agbekor, Bamaya, Bima, Gome, Kpanlogo, Gabada, Adevu, Sikyi, Zigi, Agbadza,

- Boborbor performed by Master Drummers of the Ghana Dance Ensemble, computerized by Kongo Zabana.
3. ICAMD Collection of Digital Music – Selected Pieces Volumes 1 and 2 by J.H. Kwabena Nketia, programmed and performed on the computer by Andrew K. Agyemfra-Tettyey.

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 organising effective measures for solving community health problems. The school undertook research activities in the year under review.

Mission of the School

The School's mission is to train public health practitioners who would be change agents for health development in Ghana in particular and in the wider African Context.

Courses

Master of Public Health (MPH) Programme

The School offered the twelve-month programme (September-August) as its main course.

Intake for 2002/2003 Academic Year

The School admitted an unprecedented number of 28 students for the MPH Programme for the 2002/2003 academic year. The 28 were made up of Physicians, Graduate Nurses, Pharmacists and Social Scientists.

With the graduation of this batch of residents, 158 students have so far graduated from the School's programme. Two-thirds of these graduates are Physicians and the rest have Nursing, Social Science, Pharmacy and Social Work backgrounds.

Details of MPH Admissions for 2002/2003 Academic year:

- 17 Doctors
- 3 Research Officers
- 3 Pharmacists
- 3 Social Workers
- 2 NursingTutors

Master of Philosophy in Public Health (PhD)

The students admitted into the M Phil programme continued with their theses. Dr. C. T. Ntim Amponsah, Dr. Osei Agyeman Bonsu and Dr. Liberty King completed their courses during the year under review. Two theses are under review. This reduces the number of M.Phil candidates presently in the school to 4 students namely: Patience Aniteye, Benjamin Abuaku, Margaret Kweku and Judith Stephens.

Details

Doctors	2
Social Scientist	2
Total	4

Doctor of Philosophy in Public Health (PhD)

The number of PhD candidates increased to three (3) after two (2) more students had been enrolled during the year.

Details:

Doctors	2
Biologists	1
Total	3

Short Courses

The School mounts 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 regularly run short course of the school is the Social Mobilisation Course which was first organised in the 1998/1999 academic year. The course was run in collaboration with UNICEF Ghana. Other Short Courses that have been planned by the School are the Management of District Health System, Maternal and Family Planning and Child Health Services.

Short course on Social Mobilisation for Health and Development

This is a six (6) week course run annually by the School, and the year under review saw the fifth in the Series, which started in June 1999. The aim of the course is to improve the capacity of personnel in Anglophone Sub-Saharan Africa to respond effectively to the Social Mobilisation needs of national developmental 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 163 people who have been provided with requisite skills in Social Mobilisation. Demand for the Course has been rising yearly with the 2003 Course having thirty-seven (37) Participants. 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. Participants have year after year recommended that the Course be upgraded to a diploma-awarding Course that can be taken during the long vacation for 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 the on-going national education 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 continued to put in place structures to inaugurate and prepare physician candidates for professional examinations such as the Fellowship Programme of West African Postgraduate Medical College and the Ghana College of Physicians and Surgeons.

Staffing

Permanent Academic Staff

The number of permanent lecturers on the academic staff of the School stood at five (5) in the year under review. However two (2) out of the five (5) were on leave of absence.

In view of the skeletal staff situation, efforts have been stepped up towards the recruitment of the full complement of academic staff with the requisite background 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. Advertisements were sent out in the newspapers for appointment to the five Departments of the school. The papers of six (6) applicants are being considered by the College of Health Sciences Appointment Committee.

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 Ministry of Health, Ministry of Local Government and Rural Development, the National Population Council, Water and Sanitation, Unilever Ghana Limited, Accra Metropolitan Assembly Department of Community Water and Sanitation etc.

These experts from outside the school teach in various fields including Biostatistics, Disease Control, Epidemiology, Maternal and Child Health, Nutrition, Occupational Health, Social Sciences etc. The inputs of part-time teachers drawn from such a

wide spectrum of industries whose activities are relevant to Public Health bring a blend of skills to bear on the training offered under the MPH Programme in the School.

Efforts are underway to formalise a joint appointment arrangement between the School and these organisations to ensure recognition for the work of part-timers without duplicating emoluments.

Field Practice

As is the practice, various District Directors of Health Service in the School of Public Health assisted in the supervision of students during the field practice phase of the MPH Programme in the year. The field practice was seventeen (17) weeks and it ended in August 2003. 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 policy and a common policy for the various districts, the annual supervisor's orientation, and workshop was organised to discuss pertinent issues concerning field practice specialists from collaborating Research Centres, (Navrongo and Kintampo Health Research Centres) and Ministry of Health.

However, the School has planned to review the field practice component of the programme to reflect the current national and global health needs. This is because the focus and basis for training the students has changed. Background of students which hitherto was mainly physicians has now been varied and has included Programme Officers from NGO's, tutors from Ministry of Health training facilities, social workers etc. The field practice which has comprised of dissertations, logbook, health problem, district profile and management problem has been seen as too loaded. The focus would now be on dissertation and logbook alone.

Furthermore, some residents (depending on their backgrounds) would be made to have their field practice in Accra and be attached to relevant institutions for their field practice. They may not necessarily be attached to a district. In view of this new development, the School's plans of reducing the districts to twelve (12) has changed. The new focus is considering the development of seven (7) districts into "Centres of Excellence". The reason is to help promote specialist training and research, apart from providing support for a more efficient field practice for students. In this regard, a field team has been formed and tasked with the responsibility of realising the above goal.

The Development of Five Departments

It is a truism to indicate that the school started with a Skeletal range of students mainly from the Ministry of Health who were essentially medical practitioners. After nearly ten years of existence, the backgrounds of our students has changed responsively to cater for the health needs of the larger society. Since the only constant in our global environment is change, it became necessary for reassessment of the situation and rethinking along the lines of the demands envisaged.

The formation of the five Departments of the school was actually the baby of the complexities of the current changing environment. The School has therefore managed to establish an interface relationship with its environment in order to cater for the needs of the nation. In view of that, five units of the school were developed into full-fledged Departments. Five Departmental Heads were selected accordingly.

The proposal for the formation of these departments is almost ready for submission to the Academic Board for work to start. The Structure of the departments is below:

BIOLOGICAL, ENVIRONMENTAL AND OCCUPATIONAL ISSUES IN PUBLIC HEALTH

EPIDEMIOLOGY AND BIostatISTICS

HEALTH POLICY, PLANNING AND MANAGEMENT

POPULATION, FAMILY AND REPRODUCTIVE HEALTH

SOCIAL AND BEHAVIOURAL SCIENCE

Publications, Conferences and Seminars attended during the year

Quaky, Isabella A.

- 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, Quakyi IA, Bigoga J, Leke RG, Akinpelu O, Evans B, Walsey M, Patterson P, Wirtz RA, Chan AS. 2000. Extensive multiple test centre evaluation of the VecTest malaria antigen panel assay. *Med Vet Entomol.*; 16: 321-7.
- Quakyi IA., Ahlers JD 2002. Assessing CD4+ helper T-lymphocyte responses by lymphoproliferation. *Methods Mol Med.*; 72: 369-83.
- KOUONTCHOU S, Quakyi I. A, Befidi R, Tchinda, Tamo R, Nyonglema P.G, Fogako J, Leke RG.F. 2002. Prevalence of multiple concomitant intestinal parasitic infections in Simbok, a malaria endemic village in Cameroon. *The Journal of the Cameroon Academy of Sciences Vol. 2 Supplement* .
- KOUONTCHOU S, TamaD.R.R, TchindaV, Tietche M.H.F, Fogako, J, Sama G, J Meli, Kago I, Ngu J, Alake G. Quakyi I, A, Leke R..2002. A longitudinal study of the role of T cell subset, Th1 / Th2 cytokines and antiplasmodial antibodies in uncomplicated malaria in a village population chronically exposed to Plasmodium falciparum malaria. *The Journal of the Cameroon Academy of Sciences Vol. 2 Supplement*

Conferences and WHO Steering Committee meetings

- WHO Special Program for Research and Training in Tropical Diseases (TDR) TDR Steering Committee on Pathogenesis and Applied Genomics (Sept. 4-8, 2002) Thailand.
- 3rd Multilateral Initiative for Malaria Conference (Arusha-Tanzania) Nov. 17-22, 2002.

- Johns Hopkins University Bloomberg School of Public Health – Partners and Leadership Forum (Bill & Melinda Gates Inst. For Population & Reproductive Health). Baltimore, USA. 7-12 Dec. 2002.
- WHO/TDR 28th Meeting of Research Strengthening Group (RSG) – Switzerland (8-15 Feb. 2003).
- WHO Vaccine Discovery Research Steering Committee Meeting at Switzerland (20-23 May 2003)
- 2nd Partners Meeting (Bill & Melinda Gates Inst. For Population & Reproductive Health) Baltimore USA (19 – 27 July, 2003)
- Fourth Meeting of Steering Committee on Pathogenesis & Applied Genomics, Brazil (9-14 Sept. 2003).
- National Institutes of Health Colloquium on Career Paths for Women in the Health Sciences. Bethesda, Maryland. 13-19 Oct. 2003.

Fobil, J.N.

List of Recent Publications:

Journal Articles:

- Fobil, J. N. (2000) Environmental Remediation of the Impact of Akosombo and Kpong Hydropower Dams in Ghana. Horizon Solutions Site (<http://www.solutions-site.org>).
- Fobil, J. N. (2002) Shea Butter Production in Ghana (Submitted to the HORIZON solutions site, <http://www.solutions-site.org>)
- Fobil, J. N.; Carboo, D. and Clement, C. (2002) Defining Options for Integrated Municipal Waste Management in Large Cities of Low-income Economies-The Case of the Accra Metropolis in Ghana. *Journal of Solid Waste Technology and Management*, Vol. 28, No. 2, pp 106-117.
- Carboo, D. and Fobil, J. N. (2002) Physico-chemical analysis of MSW in the Accra metropolis. (In press) *West African Journal of Applied Ecology*. Vol. 4.

Conference Proceedings

- Carboo, D.; Clement, C and Fobil, J. N. (2000) Waste Stream Analysis in the Accra Metropolis. Proceedings of the 10th Faculty of Science colloquium, University of Ghana, pp.11-16
- Fobil, J. N. and Woassey, E. K. (2001) Coping with Plastic Waste Problems in Large Cities in Sub-Saharan Africa. The Case of the Plastic Waste Recycling Scheme in Pokuase near Accra in Ghana. Proceedings of the 17th International Conference on Solid Waste Technology and Management, October 21–24, 2001, Philadelphia, PA U.S.A.).
- Fobil, J. N. (2002) Municipal Wastes Collection and Urban Environmental Management in Accra, Ghana: Proceedings of the International Symposium on Environmental Pollution Control and Waste Management, Tunis, Tunisia.
- Fobil, J. N. & Ahuble, D. (2002) Comparative Assessment of Hydro- and Thermal-Power Exploitation in Ghana: Akosombo Hydro vs. Aboadze Thermal Generations. Proceedings of the World Renewable Energy Conference, June 29 to July 5, 2002, Cologne, Germany.
- Fobil, J. N. and Carboo, D. (2002) Evaluation of Municipal Solid Waste (MSW) for Utilization in Energy Production in Developing Countries.

Proceedings of the World Renewable Energy Conference, June 29 to July 5, 2002, Cologne, Germany.

- Fobil, J. N. and R. A. Atuguba. Ghana: Migration and the African Urban Complex. A Paper presented at the African in Urban Spaces Conference: "African Urban Spaces History and Culture" 28th - 30th March 2003. University of Texas at Austin.
- Ahuble, A. and Fobil, J. N. (2003) Refurbishment and Upgrading of Hydropower Plant: A Case Study of Akosombo Hydro Electric Power Plant. Proceedings of Hydro Africa 2003 : International Conference on Hydropower, Arusha, Tanzania. November 17-19 2003. Available on CD-Rom, pp.1-6, and on the Worldwide Web: <http://www.ich.no/kurs/africa/technical.pdf>
- Carr, E. and Fobil, J. N. (2004) Migration and the Environment: Power and Drivers in Rural Ghana. Proceedings of the Association of American Geographers (AAG), 2004 Annual Meeting Program. Available on the World WideWeb:http://convention.allacademic.com/aag2004/view_paper_info.html?pub_id=86.6

Book Chapter

- Fobil, J. N. and Atuguba, R. A. (2004) Ghana: Migration and the African Urban Complex. In: Globalization and Urbanization in Africa (Falola, T. and Salm, S. J. (Spring 2004), Africa World Press Trenton, NJ forthcoming).

Publication

Binka, F.N.

- Binka FN. Anto FK. Oduro AR. Awini EA. Nazzar AK. Armah GE. Asmah RH. Hall AJ. Cutts F. Alexander N. Brown D. Green J. Gray J. Iturritza-Gomara M: The Navrongo Rotavirus Research Group Incidence and risk factors of paediatric rotavirus diarrhoea in northern Ghana. *Tropical Medicine & International Health*. 2003 Sept. 8(9): 840-6.
- Ngom P. Debpuur C. Akweonogo P. Adongo P. Binka FN. Gate-keeping and women's health seeking behaviour in Navrongo, northern Ghana. *African Journal Reproductive Health*. 2003 Apr: 7(1): 17-26.
- Armah GE. Steele AD. Binka FN. Esona MD. Asmah RH. Anto F. Brown D. Green J. Cutts F. Hall A. Changing patterns of rotavirus genotypes in Ghana: emergence of human rotavirus G9 as a major cause of diarrhoea in children. *Journal of Clinical Microbiology*. 2003 Jun: 41(6): 2317-22.
- Kark: JD. Kaufmann NA. Binka F. Goldberger N. Berry EM. Adipose tissue n-6 fatty acids and acute myocardial infarction in a population consuming a diet high in polyunsaturated fatty acids. *American Journal Clinical Nutrition*. 2003 Apr: 77(4): 796-802.
- Binka FN. Hodgson A. Adjuik M. Smith T. Mortality in a seven-and-a-half-year follow-up of a trial of insecticide-treated mosquito nets in Ghana. *Transaction of Royal Society of Tropical Medicine & Hygiene*. 2002 Nov-Dec. 96(6): 597-9
- Hale BR. Owusu-Agyei S. Fryauff DJ. Koram KA. Adjuik M. Oduro AR. Prescott WR. Baird JK. Nkrumah F. Richie TL. Franke ED. Binka FN. Horton

- J. Hoffman SL. A randomised. Double-blind. Placebo-controlled. Dose-ranging trial of tafenoquine for weekly prophylaxis against *Plasmodium falciparum*. *Clinical Infectious Disease*. 2003 Mar 1;36(5): 541-9.
- Binka F. Cash R. Chen L. Claeson M. Dare L. Royal L. Evans T. Germain A. Horton R. Jones D. Kilima P. Miller M. Narasimhan V. Pablos-Mendez A. Ramsay S. Reddy KS. Sanders D. Suwanwela C. Thankappan KR. Wibulpolprasert S. An open letter to the Executive Board of WHO. *Lancet* 2002 Dec 7;360(9348) 1797.
 - Owusu-Agyei S. Fryauff DJ. Chandramohan D. Koram KA. Binka FN. Nkrumah FK. Utz GC. Hoffman SL. Characteristics of severe anaemia and its association with malaria in young children of the Kassena-Nankana District of northern Ghana. *American Journal of Tropical Medicine & Hygiene*. 2002 Oct.; 67(4): 371-7.
 - Guerin PJ. Olliaro P. Nosten F. Druilhe P. Laxminarayan R. Binka F. Kilama WL. Ford N. White NJ. Malaria: current status of control, diagnosis, treatment, and a proposed agenda for research and development. *Lancet Infectious Diseases*. 2002 Sep; 2(9): 564-73.
 - Baird JK. Owusu Agyei S. Utz GC. Koram K. Barcus MJ. Jones TR. Fryauff DJ. Binka FN. Hoffman SL. Nkrumah FN. Seasonal malaria attack rates in infants and young children in northern Ghana. *American Journal of Tropical Medicine & Hygiene*. 2002 Mar; 66(3) 280-6.
 - Debpuur C. Philips JF. Jackson EF. Nazzar A. Ngom P. Binka FN. The impact of the Navrongo Project on contraceptive knowledge and use. Reproductive preferences, and fertility. *Studies in Family Planning*. 2002 Jun; 33(2): 141-64.
 - Owusu-Agyei S. Binka F. Koram K. Anto F. Adjuik M. Nkrumah F. Smith T. Does radical cure of a symptomatic *Plasmodium falciparum* place adults in endemic areas at increased risk of recurrent symptomatic malaria? *Tropical Medicine & International Health*. 2002 Jul; 7(7) 599-603.
 - Gagnexu S. Wirth T. Hodgson A. Ehrhard I. Morelli G. Kriz P. Genton B. Smith T. Binka F. Pluschke G. Achman M. Clonal Groupings in serogroup X *Neisseria meningitidis*. *Emergency Infectious Diseases*. 2002 Nat:8(5): 462-6.
 - Gagnexu SP. Hodgson A. Smith TA. Wirth T. Ehrhard I. Morelli G. Genton B. Binka FN. Achtmann M. Pluschke G. Prospective study of a serogroup X *Neisseria meningitidis* outbreak in northern Ghana. *Journal of Infectious Diseases*. 2002 Mar; 1:185(5) 618-26.
 - Nyarko P. Wontuo P. Nazzar A. Phillip J. Ngom P. Binka F. (2002) The Navrongo demographic surveillance system. In: INDEPTH Population and health in development countries. Vol. 1: Population, health and survival at INDEPTH sites. Ottawa: IDRC/CRDI: 247-256.

Foreign Relations

The School continued to enjoy good relationship with DANIDA, Rockefeller foundation as well as DFID and the relevant specialised organs of the United Nations 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.

Funded Research Collaborations (Benefaction)

- (a) The Gates Malaria Training Program in Ghana based at the School of Public Health in collaboration between the University of Ghana and The London School of Hygiene and Tropical Medicine.
- (b) Training Programme “Community Mobilization for Malaria Control in Communities Selected Districts in Ghana”. 2002 - 2007
- (c) Amultidisciplinary Case-Control Study of malaria Pathogenesis and Immunity in Ghana, West Africa. PI. Prof Quakyi. Funded by MIM/TDR/WHO.
- (d) International collaboration between research faculty of the Constituent Schools of the College of Health Sciences, National Institutes of Health, Johns Hopkins Bloomberg School of Public Health, Food and Drug administration and Queensland Institute of Medical Research, Australia.
- (e) Quality of service improvement: Contribution of MPH Students' Research Recommendation. PI: Dr. R. K. O. Asante and J. N. Fobil. Funded by DANIDA.
- (f) Use of Internet for Health Information by Adolescents. Collaboration Between Dr. Dina Bozerkowski of the Department of PFRH JHSPH and Dr. R. K. O. Asante and Gloria Quansah Asare.
- (g) Strengthening Public Health Training to Incorporate Technical In Capacity Development in Health Informatics in Africa. PI. Dr. O. Ahmad funded by Rockefeller/UNFPA/UNICEF.
- (h) Monitoring and Evaluating Population, Health and Nutrition Programs. Collaboration between the School of Public Health and MEASURE/UNC: PIs Dr. O. Ahmad and Dr. G. Angeles.
- (i) Strengthening Outbreak Investigation and Response in Ghana. A collaboration between the University of Ghana School of Public Health, Ministry of Health and Centres for Disease Control in Atlanta, Georgia, USA. PI. Dr. F. Wurapa.

Aademic Staff

Prof. I. A. Quakyi

Director / Head of Department of Biological, Environmental and Occupational Issues in Public Health

Dr. E. Amuah

Field Coordinator

Dr. O Ahmad	Course Coordinator/ Head of Department of Epidemiology and Biostatistics
Dr. F. Wurapa	Head of Department of Health Policy, Planning and Management
Dr. R. O. Asante	Head of Department of Population, Family and Reproductive Health
Dr. M. Pappoe	Head of Department of Social and Behavioural Science
Dr. Phyllis Antwi	On leave of absence
Prof. F. N. Binka	"
Dr. I. Agyepong	Part-time Faculty
Dr. J. Gyapong	"
Dr. G. Amofa	"
Dr. M. Gyapong	"
Mr. H. Noye-Nortey	"
Dr. Quainoo	Part-time Faculty
Administrative Staff	
Mr. E. Poku-Sarkodee	Assistant Registrar
Mr. J. O. Tetteh	Chief Accounting Assistant
Mr. E. Boateng	Course Secretary
Mr. Abraham Quansah	Administrative Assistant
Mr. S. Soroku	Accounts Clerk
Mrs. Cynthia A. Afetsi	Senior Clerk
Miss Nancy Y. Agbanu	Clerk Grade II
Miss Eva Takyiwaa	Typist Grade II
Mr. George Yeboah	Driver Grade I
Samuel A. Amartey	Driver Grade II
Mr. Adams Fianko Lartey	Driver Grade II
Mr. Emmanuel Annang Sai	Driver Grade II
Mr. Simon Zong-Bil	Messenger
Mr. Benjamin Akafo	"

INSTITUTES

INSTITUTE OF ADULT EDUCATION

Overview

The Institute continued its programmes without any remarkable departure from the previous years' activities except the take-over of the External Degree programmes of the Accra Workers College by the University.

Staffing

The teaching staff comprised twenty-two members, three of whom were women. The list included two newly appointed staff recruited in the course of the year and four retired senior members on contract. Three members Prof. K. Asiedu, Mr. K. Siabi-Mensah and Mrs. Appiah-Donyina took a year's sabbatical leave while Dr. T. Tefe has been granted 4 months study leave.

Academic Programmes

•The Institute continued to offer programmes at the Diploma, MA/M.Phil and Ph.D. level. Enrolment figures are as follows:

	M	F	Total
Diploma I	37	24	61
Diploma II	36	55	91
MA/M.Phil (Fresh)	14	9	23
MA (Extension)	11	5	16
M.Phil 11 & Extension	11	8	19
Ph.D.	8	1	9
Total	117	102	219

External Degree Centre

•At the beginning of the year, the Institute ceded the external degree programmes to the University, under a new name, the Accra City Campus of the University of Ghana. The Institute's pioneering role at the degree centre has therefore come to an end.

Distance Education

Effort to develop and deliver University of Ghana courses were intensified and all Level 100 courses in English, Political Science, Sociology and Study of Religions were produced. The course on Academic Writing is also ready. Attention is now on Level 200 courses. A female Senior Member joined the Unit during the year.

The first cycle of the Commonwealth Youth Programme (CYP) Diploma in Youth in Development Work ended with 44 of the 50 students who started the programme writing the final examination. An additional module of Methodology of Social Investigation was produced to take care of the omission of Research and Report writing from the modules prepared by CYP. Admission procedures for the second cycle have started and it is hoped that 200 students will be admitted.

Discussions have gone far with the University of London for MSc programmes from its Imperial College, Wye Campus to be delivered to Ghanaian students. The programme will be co-ordinated by the Distance Education Unit, and it is expected that a minimum of 20 scholarships will be awarded for the programme.

Non-Formal Programmes

The Ghana-Canada-in-Concert project entered its fifth and final year this academic year. Tree and crop plantations have been established in all the project demonstration areas stretching from Wenchi in the Brong Ahafo Region to Wa in the Upper West Region. The stage is now set to establish small scale income generating industries in the project areas.

One major setback, however, remains; this is the uncontrolled annual bush fires in most of the project areas that destroy the young plants. Serious education campaigns are being undertaken to help check the incidence of bush fires in the area.

The Population Education Unit organised a series of workshops for facilitators, students and other sections of the community, especially in the Greater Accra, Eastern and Volta Regions and the University of Ghana on HIV/AIDS. The workshops included voluntary counselling.

Following a high demand for the expansion of the programme, a distance learning programme was designed to meet the needs of clients. With support from the UNFPA, National Population Council and the Johns Hopkins Centre for Communication Projects, learning materials have been produced and the first batch of Distance Learning Students commenced studies in September, 2003.

Apart from the above major programmes, individual centres undertook programmes ranging from facilitating literacy, income generation and liberal education within various communities in the regions.

Research & Publication

- Final corrections for the publication of a revised handbook for students and practitioners in adult education has been completed by the Universities Press at Legon and, hopefully the handbook will be available for use in a very short time.

Oduro-Mensah, D. Ahinsah, K. & Gyabaa, N.

- (2002a). "Brong Ahafo Regional Environmental Programme (BAREP)" A Programme for Bush fire Preventivn and Forest Resource Conservation. Published for the Brong Ahafo Regional Co-ordinating Council. January 2002. pp 1- 56.
- (2002b). "The Institute of Adult Education and the Development of Brong Ahafo. " A Paper delivered at the meeting of the Brong Ahafo Regional Coordinating Council. RCC Hall, Sunyani, 27 January
- (2003). "Project Management in Rural Communities: Case Study of the Ghana-Canada IN-CONCERT Programme". (In progress).

Adoo-Adeku, Kate

- Research: Evaluation and Monitoring of Female Condom Promotion Project in the Central, Western, Ashanti, Volta and Eastern Regions of Ghana. SWAA-Ghana / Danida Sponsored Project from December 2002 – July 2003.
- Tracer Study on Past Adult Education students from 1990 – 2002 (May 2003).

Review Work

- "Review of Documents on Quality Education in Ghana, (Basic) 1990 – 2000 in April 2003, sponsored by Association of Development Education in Africa, (ADEA).

Badu-Nyarko, Samuel

- Badu-Nyarko, S.K. and R.A. Aggor, Introduction to Social Investigation, Module 14, Commonwealth Youth Programme.

Aggor, R.A.

- The contribution of the Ghana Institute of Linguistics, Literacy and Bible Translation (GILLBT) to mother tongue literacy in Ghana.
- Promoting continuing agricultural education through open and distance learning in Ghana.
- Distance education in Ghana: Policy and Practice in Handbook of Adult Education in Ghana (2003), Ghana Universities Press, Accra.
- Writing the Research Report – Unit 4 of Introduction to Methodology of Social Investigation (Module 14) of the Commonwealth Youth Programme Diploma in Youth Development Work distance education courses (2003).
- Edited the following publications:
 - (a) 50th New Year School Report (with I.W. Parry), Institute of Adult Education, University of Ghana (2002).
 - (b) Introduction to Methodology of Social Investigation (with S.K. Badu-Nyarko, H.B. Kwasi and M.A. Tagoe)

- (c) Open and Distance Learning (ODL) booklets on Safe Use of Agro-chemicals in Vegetable Production in Ghana Universities Press (with C.K. Osei).
- Module One: Integrated Pest Management for Agricultural Extension Agents
- Module Two: Preparing a Sub-Soil Nursery
- Module Three: Calibration, Use and Maintenance of the Knapsack Sprayer
- Module Four: Preparation and Use of Neem Extracts
- Module Five: Safe Use of Pesticides in Vegetable Production in Ghana

Seminars / Workshops

Oduro-Mensah, D.

- World Bank Institute: Community Driven Development Distance Learning course, Accra. (October – November, 2002).
- Planning and Direction of the Northern Easter School – (2002).

Adoo-Adeku, Kate

- Participated in a Seminar on “Ghana and Election 2004: Towards the Development and Promotion of a Women’s Manifesto Organised by ABANTU in June 2003.
- Participated in a Distance Learning Workshop on “Private Public Partnership” in June 2003 at GIMPA.
- Peer Educators Training Workshop on HIV / AIDS Awareness and Prevention – for Diploma in Adult Education Students, Legon, 15th – 17th May, 2003(in partnership with Evelyn Appiah-Donyina.

Badu-Nyarko, S.K.

- Resistance and Support for University Distance Education. Experiences from University of Ghana (Legon). Inter-Faculty Lecture, October, 2003.

Kusi-Nkrumah, K

- “The Role of Adult Education in Promoting Discipline in Ghana”, a Seminar delivered during the Adult Education Students Association of Legon (AESAL) Week Celebration in April 2003.

Constraints

- Only three of the Institute’s fleet of vehicles can be said to be running economically. The high cost of maintenance on the others makes them more of a liability than asset to the Institute’s dwindling finances.

INSTITUTE OF AFRICAN STUDIES

Introduction

During the year under review, the Institute continued to carry out 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; Women and Gender 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.

Prof. Takyiwaa Manuh became the new Director with Rev. Dr. S.S. Quarcoopome as the Acting Deputy Director during the 2002/2003 Academic Year.

Staffing Position

- 1 Professor Emeritus
- 2 Professors (On post retirement contract)
- 3 Associate Professors
- 6 Senior Research Fellows
- 8 Research Fellows
- 1 Assistant Registrar
- 1 Assistant Librarian
- 1 Archivist
- 36 Senior Staff
- 69 Junior Staff

List of Senior Members

- 1. Prof. Takyiwaa Manuh LL.B (Hons) (Ghana), LL.M.(Dar-Es Salaam), Ph.D (Indiana) Associate Professor, Director
- 2. Rev. Dr. S.S Quarcoopome- BA(Hons), MA., Ph.D(Ghana), Senior Research Fellow Head, African History and Politics Section Ag. Deputy Director
- 3. Prof. Joseph Hansen Kwabena Nketiah Emeritus Professor
- 4. Prof. Mary E. Kropp Dakubu- BA (Quebec) MA (Pen) Ph.D.(London) Professor (on contract)
- 5. Prof. Christine Oppong M.A. PhD. (Cantab.), M.A.(Ghana) Professor (on contract)
- 6. Dr. Irene Odotei BA (Hons) Ph.D. (Ghana) (on Sabbatical)

7. Mr. Atukwei Okai MA (Gorky), M.Phil(London) Dip. Tran. (Lumumba) Senior Research Fellow(on contract)
8. Mr. F. Nii Yartey Diploma (Ghana), MFA(Illinois) Senior Research Fellow
9. Prof. A. K. Awedoba MA(Ghana), D.Phil.(Oxon) Associate Professor
10. Dr. Owusu-Brempong BA (Iowa), MA., Ph.D (Indiana) Senior Research Fellow
11. Dr. (Mrs) Brigid Sackey MA (Marburg), Ph.D (Philadelphia) Senior Research Fellow (on Sabbatical)
12. Dr. Akosua Adomako-Ampofo- B.Sc. M.Sc.(UST), Ph.D (Vanderbilt) Senior Research Fellow, Head, Societies and Culture Section
13. Mrs. Esi Sutherland-Addy - BA (Ghana), MA(Calif.), Senior Research Fellow, Head, Language, Literature and Drama Section
14. Prof. Kojo S. Amanor BA, Ph.D.,(London), Associate Professor
15. Rev. Dr. A. Ako Akrong L.Th., BA(Hons) MA.(Ghana), M.Th.(LSTC) Ph.D (Chicago) Research Fellow, Head, Religion and Philosophy Section
16. Dr. Alex. A. Agordoh BA. M.Phil (Ghana), Ph.D. Research Fellow, Head, Music and Dance Section
17. Mr. Kwame Amoah Labi BA (Hons)(UST), M.Phil (Ghana) Research Fellow, Head, Media and Visual Arts Section
18. Mr. Nee Kwatey Owoo BA (Hons) (London), Associate Research Fellow
19. Ms. Misonu Arnu Dip, M.Phil. (Ghana), Research Fellow
20. Mr. Benjamin Obido Ayettey Dip (Ghana), M.F.A. (Aziz) Tutor
21. Mrs. Olive A. Adjah BA Dip. (Ghana) MA (Liverpool) Assistant Librarian

22. Mrs Delali Badasu	B.A (Hons), MA (Ghana) MA (Alberta) Research Fellow
23. Mr. Ebenezer Ayesu	BA (Hons), MPhil (Ghana), Research Fellow
24. Mr. Osman A. R. Alhassan-	BA (Ghana), M.Phil (Bergen) Ph.D (Ghana) Research Fellow
25. Mr. Edward Nanbigne	BA, M Phil (Ghana) Research Fellow
26. Mrs Stella Dovlo	B.A (Hons)..M.P.A(Ghana) Administrative Secretary
27. Mr. Thomas K. Aning	Dip. (Ghana), MA (London) Archivist

Courses

Level 200 Courses

The Institute has responsibility for teaching the Level 200 courses in African Studies. These courses were taught in two (2) parts. Eight (8) courses for the Part A on Culture and Development issues in Africa were taught 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, were 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: Ewe, Ga, Twi and Dagbani
AFST 270	African Music
AFST 280	African Dance
AFST 290	African Drama

M.A./M.Phil. (Level 600) Courses

The Institute ran M.A./M Phil courses in the following areas in the year under review:

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 (Part I)
 AFST 621: African Literature (Part II)
 AFST 613: African Social and Political Systems (Part I)
 AFST 614: African Social and Political Systems (Part II)
 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 Modern 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 641: African Family Studies (Part I)
 AFST 642: African Family Studies (Part II)

Student Numbers

Level 200	6,000
MA/MPhil	12
Ph. D	1

The Institute also hosted students from several foreign institutions:

State University of New York	6
School of International Training	25
Calvin College	25

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 2002/2003 academic year. The seminars were well patronized

by staff, students, visiting professors, students from other Universities, and University community and the wider society. A total of eleven 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:

- Representing Community and Nature in West Africa Forestry: Prof. Kojo Amanor
- Now is the Time of Youth: Youth, Nationalism and Cultural Change in Ghana 1940-1966: Jeremy Pool.
- Educating the Ghanaian Girl: 10 years of opportunities: Mrs. Esi Sutherland-Addy
- Race and Ethnicity in the lives of Non-Ghanaian Women in Ghana: Dr. Akosua Adomako Ampofo
- Art Music in Ghana: A general overview: Dr. A.A. Agordor
- Capital Fluidity, Women's Work and Environmental Management in Northern Ghana.
- 'Efie' Or The Meaning Of Home among Ghanaian Migrants in Toronto, Canada: Prof. Takyiwaa Manuh
- Culture, Governance, Gender and Development Dimensions of Chieftaincy in the Akwapem State of Ghana. 1850-1990. (Ph D Proposal): Mr. Ebenezer Ayesu
- Evidence on Child Care and Development: Prof. Christine Oppong
- Man-Woman: Gender and Management. The Case of Female Canoe Owners Along the Coast of West Africa: Dr. Irene Odotei
- Instrumental Symbolism in Musicology: Dr. S.D. Asiama

Research Activities

Manuh, Takyiwaa

- Gender Violence in Ghana
- Female Entrepreneurship in Ghana (with Dr. Kojo Saffu, Brock University, Canada).
- Access to Justice for the poor
- Securing Land Rights for the poor in Ghana (with Dr. Osman Alhassan)
- Gender and Higher Education in Ghana
- Working on 4 book manuscripts either alone or as co-edited books.

Adomako Ampofo, Akosua

- Race, Ethnicity, and the lives of Non-Ghanaian Women in Ghana.
- Sexual Exploitation of Children in the city of Accra (with Dr. Osman Alhassan)
- "How the Perpetrators of the violence against women and children escape: a study of 'escape' from the time of the violence act, through a formal complaint, to persecution" (with Mrs. Hamida Harrison, The Ark and Wise on behalf of AAWORD, Ghana)
- The Socialisation of young people and the reproduction of Patriarchy (with Dodoo F.N., Penn State University).

- Women's Well-being and Mental Health in Ghana (with Sellers S. and Frasier-Kouassi S.)

Amanor, K.S.

- Decentralised Environmental Management
- Transition Zone

Brempong , O.

- Chieftaincy, Governance and Development Project – Taboos and Chieftaincy.
- Oral Histories: Histories of Bono-Ahafo Paramountcies.
- Funerals and Festivals of Africa
- Festivals of Ghana
- Folktales of Ghana

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

Badasu, Delali Margaret

- Survey on Integrated Water Resource Management in the Densu Basin
- Childcare among Ewe Migrants in the City of Accra.
- Ghana's Health Policy

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 Wa District of the Upper West Region.

Alhassan, O.A-R

- Sexual Exploitation of Children in the city of Accra (with Dr. Akosua Adomako Ampofo).
- Integrated Water Resource Management in Ghana.
- An Assessment of Impacts of Land Registration and Tilling in Ghana on the poor in Pre-Urban Accra.
- Capital Fluidity, Women's Work, and Environmental Management in Northern
- Woodfuel Energy Production and Women's Reproductive Health in Ghana.
- Drummers or Oral Historians: New Perspectives on Traditional Rule and Governance in Dagbon, Ghana.
- Agro-Ecology and Early Warning Systems: A Review of Science and Policy Discourse in Ghana.

Oppong, Christine

- Globalization and the Changing Cultures of Survival and Care

Akrong, A.A.

- The Impact of the Charismatic Movement on Ghanaian Society.
- Register of Churches and Mosques in Accra.
- Faith Healing in New Religious Movement.

Labi, K.A.

- Fante Asafo art and Chieftaincy regalia in Ghana.
- Proposal for research on the history of Museums in Ghana and chieftaincy regalia.

Okai, A.

- The Infrastructural symbolism in the African Novel.
- The imprisonment and liberation of the reality in the African Novel.
- The systems of images and system of values of Modern African Poetry.
- Publishing and the development of literature.

Amu, Misonu

- Collection and transcription of local folk tunes for atentenben.
- Compilation of Amu's works.
- Continues with research on Women in Music.

Quarcoopome, S.S. (Rev)

- Identification and Documentation of Historical Sites and Monuments in Accra.
- The Urban impact on Traditional values At Tema Manhean.
- Archival Research on Colonial and Post – colonial Urban Policies in Ghana.

Publications

With the reorganization of the Publications Unit, it had increased its output tremendously. It however, lacked the required staff and financial resources to enable it do much more.

IAS Research Review

- Research Review Vol. 17.1(cover date 2001)
- " " Vol. 17.2 sub-title: Globalisation, Survival and Care
- " " Vol. 18.1 sub-title: Sociocultural Dimensions of Reproductive Health and Human Development

The Table of Contents and Abstracts of the Institute's Research Review can now be searched on two websites: <http://www.inasp.org.uk/ajol>, and <http://www.directcenter.org>. The Institute has recently signed an agreement with a third organisation that will put the full text of the Research Review on line.

Language Monographs Series

#5: Studies in Kasem Phonetics and Phonology (Awedoba. K.A. 2002)

#6: Ga Phonology (Dakubu. M.E.K. 2002)

Collected Language Notes Series

#24: The Phonology of Deg (Crouch and Herbert, 2003)

Others

A User's Guide to Manhyia Archives (2003)

Publications

Takyiwaa, Manuh,

- (with Sulley Gariba and Joseph Budu) Changes and Transformation in Ghana's Publicly-Funded Universities: A Study of Experiences, Lessons and Opportunities, to be published by James Currey and Sub-Saharan Publishers (under review)
- 2003 "Efie or the Meaning of 'Home' among Female and Male Migrants in Toronto, Canada, and Returned Migrants to Ghana," In Khalid Koser {-ed.} New African Diasporas. London: Routledge, pp 140-159.
- 2002 "Higher Education- Conditions of Scholars and the Future of Development in Africa". Special Edition of CODESRIA Bulletin No. 4, Dakar.

Adomako Ampofo, Akosua

- Introduction: Teaching and Learning in Ghana; Historical and Contemporary Issues." Ghana Studies Vol. 5: 1-20 (2002)
- " Does Women's Education Matter? A case Study of Reproductive Decision Making from Urban Ghana" Ghana Studies Vol. 5. 123-157 (2002)

Awedoba, A.

- Household Demand for Schooling in Ghana: with P.S. Yoder, Kristi Fair, Stephanie Gorin. ORC Macro.(2003)
- Kasem Phonetics and Phonology Language Monographs No. 5. Legon (2000).
- Culture and Development in Ghana. With Special Reference to Ghana. Accra. (2002).
- " Help-Seeking and Coping Strategies in Onchocerciasis Afflicted Communities in the Context of Globalisation" Research Review NS 17, pp49-62.

Okai, A.

- " A Kwadzumfour Chant For An Ancestral Envoy" (a dirge in three gates, for Baafour Osei Akoto), in the Order of State Burial Service, St Peter's Catholic Cathedral, Kumasi. 14th November, 2002, pp 67-68.
- " The Soul Circumcision Symphony" (a dirge) in the Order of Service, Brochure, at the Attuquayefio Residence, Abossey Okai, Accra, 8th February, 2003 PP 15-16.

Sackey, Brigid M.

- "Asante Shamanism" In Encyclopaedia of Shamanism ABC-CLIO Publishers, Santa Barbara, California. (forthcoming).
- "African-American Youth, Adolescence". Encyclopaedia of Primary Prevention and Health Promotion, edited by Thomas Gullotta and Martin Bloom, New York: Kluwer Academic/Plenum Publishers, 2003: 165-169
- "Faith Healing and Women's Reproductive Health" Research Review, Institute of African Studies, NS 18.1 (2002) PP 5-11
- "Spiritual Deliverance as a Form of National Health Delivery in Accra", Black Theology in Britain 4.2 May 2002: 150-171
- "A Woman's Perspective's on the Cultural Dimension of Development". In Philosophy and Politics. Discourse on Values, Politics and Power in Africa, edited by Dukor, M. Malthouse Press Ltd: Lagos, Benin. Oxford, 2003. pp 93-111.

Kropp Dakubu, Mary-Esther

- 2002 Ga Phonology, Legon: IAS Pp. vi+80.
- 2003 Dealing with the "Multilingualism Problem": Language Policy and the 2000 Population and Housing Census of Ghana. In Language and Culture in Education and National Development, Proceedings of the National Seminar organized by the Center for the Advocacy on Language and Culture, University of Education, Winneba.

Sutherland-Addy, Esi

- "Drama in Her Life; Interview with Adeline Ama Buabeng" in Jane Plastow; 2002. (ed) African Theatre 3; Oxford, James Currey.

Amu, Misonu

- (forthcoming) "Creativity and Tradition: The Contribution of Maame Afua Abasa – Leader and Co-founder of Manhyia Tete Nnwonkoro", Research Review, IAS.
- "Kwadwom: The 'Hidden' Music at the King's Funeral". The King Has Gone To The Village Institute of African Studies publication on the funeral of the Asantehene, Otumfuo Opoku Ware II (2002)
- "Instrumental Resources of the Ewe of Ghana," ORE's Volume on Selected topic on Culture, Social Organisation and the Economy. (forthcoming)

Amanor, K.

- " Making Environmental Management More Responsive to Local Needs: Decentralisation and evidence-based policy in Ghana" ODI forestry Briefing Paper (with David Brown) No. 3, April (2003)

Brempong, O.

- The Role of Gyaase in the Burial of Otumfuo Opoku Ware II In The King has Gone To The Village: The Death And Burial of Otumfuo Opoku Ware II (eds) G.P. Hagan and I.K. Odotei, Educational and Cultural Heritage Series, Institute of African Studies, University of Ghana. (2002)

Labi, Amoah K.

- "Akanization of the Hill Guan Arts" Research Review NS 18.2 pp. 1-21
- "Criminalizing Art: The Struggle Between Fante Asafo Companies and the British Administration on The Gold Coast (1844-1957)" 2002 Baessler-Archiv Vol. 50 pp. 1-16
- "Fante Asafo Flags of Abandze and Kormantse": A Discourse between Rivals. Los Angeles. 2002 African Arts. Winter 2002, Vol. XXXV, No. 4, pp. 28-37.
- Costume, Adornment and Group Identification at the Burial of Otumfuo Opoku Ware II' In The King Has Gone To The Village: The death and burial of Otumfuo Opoku Ware II, Asantehene. (eds.) Hagan G.P. and Odotei I.K. (2002), pp. 49-57

Badasu, Delali

- "Regional Disparities in Ghana's Fertility Transition". Bulletin of the Ghana Geographical Association of Ghana No. 22: 101-112 (2002)
- Co-edited, Research Review New Series Vol. 17, No.2
- Co-edited, Research Review, New Series Vol. 18, No.2

Workshops/Conferences/Seminars**Manuh, Takyiwaa**

- Co-organizer and Host, Carnegie Corporation Gender Workshop, IAS Chalets, Legon, July 14-17, 2003.
- Co-organizer and Host, Curriculum Development Workshop with the Gender and Women's Studies Project, Africa Gender Institute, University of Cape Town, Cape Town, South Africa, IAS Chalets, Legon, May, 25-30, 2003.
- Organizer and Chair, Public Lecture to commemorate the centenary of the publication of Du Bois' The Soul of Black Folk. IAS, Legon, April 23, 2003.
- Respondent First development Series, CDD/World Bank, Accra. AICC, March 18, 2003.
- Du Bois birthday lecture – Du Bois Centre, Accra February 23, 2003.
- MATCH programme – Paper on "Social and Political Overview of West African History" January 15, 2003.
- Chair and Discussant at Panel on Ghanaian Universities in the 21st Century: Challenges and Potentials " Annual Meeting of the African Studies Association, Washington, DC, October 30-5 November, 2002.

Adomako Ampofo, Akosua

- Participant, Curriculum Development Workshop with the Gender and Women's Studies Project, African Gender Institute, University of Cape Town, Cape Town, South Africa, IAS, Chalets, Legon, May 25-30, 2003.
- "Women, Men, Livelihoods and the Politics of AIDS in Africa..." Keynote speaker, Women's Studies Graduate Students conference at the University of Florida, Boca Raton, FL, March 21, 2003.
- "From Distant Shores: Black and White Non-Ghanaian Women in Ghana". Invited speaker during the 2003 David C. Driskell Center for the African

Diaspora Colloquim series; University of Maryland, Silver Spring, MD, march 28, 2003.

- Cultural Factors and Socialisation: Mothering among Black and White Non-Ghanaian Women in Ghana". Conference on Images of 'Motherhood' – African and Nordic Perspectives; Dakar, February 15-19, 2003.
- Facilitator, African Students Summit. Sankofa Educational Fund and A Breed Apart Foundation. Topic: "For Women Only: Gender, Culture and Success". IAS, Legon, June 12-14 2002.
- Joint Graduate Student Symposium on "Global Perspectives on Women and Gender Studies" between the Development and Women's Studies Programme of the Institute of African Studies and the Women's Studies Programme of Florida Atlantic University, Institute of African Studies, May 2003.

Awedoba, A.

- Workshop to present findings on Study of Household demand for Schooling in Ghana. Sponsored by USAID/Macro/ISSER. February 18, 2003.
- International Conference on Chieftaincy, Governance and Development in Africa . Sponsored by IAS, Ghana and the African Studies Centre, Cambridge 6-10 January, 2003, Accra. Read paper on 'Modes of Succession ;in the Upper East Region of Ghana'
- Training Workshop (Macro Int. ISSER, GES) for the Household Demand for Schooling in Ghana project. July-August, 2002. Several Training workshops for the various Regional Houses of Chiefs (in 2002).

Badasu, Delali Margaret

- "Gendered Family Dynamics and Health in Africa Family Studies in a Globalizing World" Jointly sponsored by the Institute of African Studies , University of Ghana, UNFPA, Swedish College for Advanced Study in Social Sciences, and University of Cambridge, and held at the Noguchi Memorial Institute for Medical Research, University of Ghana, October 1-3, 2003.
- Seminar on "Land Tenure Reforms in Ghana", organized by the Institute of Statistical, Social and Economic Research, University of Ghana, April 30, 2003.
- 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), University of Ghana and the National Population Council and funded by United Nations Population Fund (UNFPA), August 7-8, 2002. M-Plaza Hotel, Accra.
- Seminar on "Socio-Cultural Dimensions of Reproductive Health and Human Development in Ghana", organized by Institute of African Studies and School of Public Health, University of Ghana, June 27 -29, 2002.
- Served on the committee responsible for the organization of a seminar on "Gendered Family Dynamics and Health: African Family Studies in a Globalizing World".

Brempong, O.

- "Chieftaincy and Traditional Taboos: An Empirical Approach" Paper presented at the International Conference on Chieftaincy in Africa: Culture, Governance and Development, 6-10 January, 2003.

Oppong, Christine

- Attended a seminar at the Netherlands Institute for Advanced Study (NIAS) 1-3 June, 2003, on the theme: Participation and Integration or Isolation and Segregation: older adults in an aging society: Presented a paper entitled: "Gendered Family Strategies and Responsibilities of Grandparents in Sub-Saharan Africa"
- Main organizer of an international seminar held by the Institute of African Studies and the School of Public Health on "Gendered Family Dynamics and Health: African Family Studies in Globalizing World, October 1-3, 2002.
- Attended a meeting on African Migration and Urbanization in Comparative Perspective organized by Princeton, Witwatersrand and Natal Universities near Pretoria South Africa, June 4-7, 2002. Acted as major rapporteur.
- Invited to join the NIAS theme group: Participation and Integration or Isolation and Segregation: Older adults in aging societies, specifically in order to add a cross cultural dimension to the group's work, and in particular to provide scope for comparisons between the developed and developing worlds.

Amu, Misonu

- Organised a choir of Thousand Voices which performed during PANAFEST 2003, and also performed for BUSIA FOUNDATION as part of activities marking the 25th anniversary of his death.

Labi, K. A.

- Conference on Chieftaincy in Africa: culture, Governance and Development. IAS, University of Ghana, Legon, January 6-10, 2003. Presented a paper on Challenges of Chieftaincy Art and Regalia in Contemporary Ghana.
- Workshop Towards the Publication of a Book on Teaching and Learning in Ghana. May 12, 2003. Presented a paper on An Approach to Imparting Skills and Knowledge in Museums: Examples to emulate from Ghana.

Okai, A.

- The Celebration of the International African Writers' Day at the PAWA House, Accra, November 7, 2002.
- The inauguration of the new museum by the US Ambassador and the launch of the book, "The Bead is Constant" by Dr. Alexandra Wilson at the Department of Archeology, University of Ghana, Legon, April 28, 2003.

Akrong, A.A.

- "Chieftaincy in Africa: Governance, Culture and Development" Accra, January 4-8, 2003. Paper presented "Religion and Leadership in Ghana, an overview.

- Historical Society of Ghana: "Politics and Power" March, 2003. Paper presented "Spirituality and Ghanaian Political Culture". Legon.
- International Reformed Institute Conference on "Faith and Violence", Jakarta, July 8-13, 2003. Paper presented "The Reformed Traditions Confronting Violence in Africa"

Alhassan, O.A.R.

- Workshop on Issues of Education, Learning and Training in Ghana. Organized by the Institute of African Studies, Legon, March 12, 2003.
- The Convergence of the Sciences. Organised by the Faculty of Agriculture, Legon and Wageningen University, Netherlands, November 11, 2002.
- Dissemination Workshop on the Impact of Cost Sharing on Education in Ghana. Organised by the Department of Geography and Resource Development and the School of Public Health, University of Ghana, Legon, October 5-6, 2002.

Amanor, K.

- "Global Access in Forest and Community Resources: Environmental politics, cultural modernization and the Science of forestry in West Africa" paper presented at Panel on Science, Policy and Struggles over African Health and Environment, 5th Decennial Conference of the Association of Social Anthropologists of the UK and Commonwealth, University of Manchester, 14-18 July, 2003.
- "Natural Assess and Participatory Forest management in West Africa" Paper presented at International Conference on Natural Assets, Tagaytay City Philippines, 6-11 January 2003.
- "Rights to Farm Resources and Tress: Conflicts and the reinterpretation of customary tenure in Ghana". Paper presented at Seminar on Conflicts over Land Water. Questions of citizenship and identity, organized by Centre of Development Studies, Copenhagen at Sophienberg Castle, Rainsted Stranjel, Denmark, 28-29 November, 2002.
- "Community Landrights and Mobile Labour Networks in the Eastern Region of Ghana" Paper presented at International Workshop on Landrights and the Politics of Belonging in West Africa, University of Frankfurt /M, 3-5 October, 2002.

Sackey, Brigid

- March 20th 2003, Invited Lecture "Women, Religion and Health," Department of Anthropology, Temple University, Philadelphia, USA.
- April 3rd 2003, Invited Lecture: "Repackaging Puberty Rites: A Cultural Response to HIV/AIDS," A contribution towards "The Project on Religion and Health in Africa," Harvard Divinity School, Cambridge, USA.
- April 17th 2003, Spring Public Lecture Series: Topic: "Women and Healing in African Religious Movements", Harvard University Divinity School, Andover Hall, Sperry Room.

Sutherland-Addy, Esi

- Women Writers Workshop; Mbaasem; Presentation: Critics, Criticisms and their Impact on Writers. Venue: GITF, Accra 8th – 9th November 2002.
- Workshop on Gender, Storytelling and the Performing Arts in Ghana. Florida Atlantic University Study Tour to Ghana – Institute of African Studies, University of Ghana, May 6, 2003. Role: Facilitator
- Session with Civil Society during the meeting of the G8 Personal Representatives for Africa and Partners. Canadian High Commission. Venue: Labadi Beach Hotel, Accra. 7th Dec. 2002.

Adjah, Olive

- WIDERNET project decision-makers workshop, Legon, June 3-5, 2003.
- Project Oversight Committee workshop, Atlanta, Georgia, USA. December 12-13, 2002.
- The Digital Research Library in Ghana workshop, Accra, May 19-20, 2003.
- Workshop on learning and teaching issues, May 12, 2003. Presented a paper on combating illiteracy with Libraries: the Kathy Knowles example. Internet use in Libraries, Accra, November 7-8, 2002.

Awards

Adomako Ampofo, Akosua

- 2003: Team leader, AAWORD grant for AAWORD-Ghana, (with Hamida Harrison, AAWORD-Ghana, WISE and The Ark Foundation) on “How the perpetrators of violence against women and children escape: a study of ‘escapes’ from the time of the violent act, through a formal complaint, to prosecution”
- 2002 Residency at the Rockefeller Foundation’s Bellagio Centre to work on the project “The making of a text: Culture and Gender in African Societies,” (with Takyiwaa Manuh) Bellagio, October 8 – November 5.

Manuh, Takyiwaa

- 2002 Residency at the Rockefeller Foundation’s Bellagio Centre to work on the project. “The making of a text: Culture and Gender in African Societies”(with Akosua domako Ampofo) Bellagio, October 8 –November 5

Badasu, Delali Margaret

- Awarded a fellowship from Netherlands fellowship programme, 2003.
- Awarded Post Graduate Diploma (Effective Social Policies for Human Development), certificate by The Institute for Social Studies, The Hague, The Netherlands.

Sutherland-Addy, Esi

- 2002 - Team Award to the Rockefeller Study Centre with the Women Writing Africa, West Africa Sahel Team, August.
- New York University Faculty Renewal Programme
- 2003 University of Ghana Alumni Appreciation.

Library

106 books donated and 28 journal titles were added to the stock during the 2002-2003 period. Statistics taken during the period revealed that about 1,500 readers use the library in a week. With the increase in the student population and the various depository roles of the library, expansion work was begun to accommodate more students and research materials. A project was begun to digitize the Research Review of the Institute. When completed, the full text articles of the Research Review will be available online through Database on Culture Transmission in the African World (DCTAW) based at Fort Valley State University, Georgia, USA.

During the period, the Institute started the setting up of an Arabic Library to house the Arabic manuscripts collection since 1961 by Professors Ivor Wilks and Hunwick. It has about 500 works collected from Ghana, Togo, Cote d'Ivoire and Burkina Faso. A rich collection relevant for the study of history and Islamic studies, which would help supplement what is known of the literary sources of Islamic scholarship in West Africa. The manuscripts deal basically with the following:

- a. the conversion to Islam of the Gonja rulers in c. 1550;
- b. A list of kings and wars in the 16th and 17th century;
- c. A detailed chronicle of deaths, wars, famines etc down to 1765 (much of which is of value for study of Ashanti and adjacent societies).
- d. works by or about the celebrated author al-Haji Umar b. Abi Bakr of Kete Krachi who died in 1934.
- e. works concerning al-Haji Mahmud Karantaw who founded the 19th century jihad state of Boromo/Wahabu in modern Burkina Faso.

Link Programmes

During the year under review, the Institute continued its link programmes with the School of International Training, State University of New York at Brockport, Calvin College etc. It continued to collaborate with the Ghana Institute of Linguistics, Literary and Bible Translation.

Ghana Dance Ensemble

The Ghana Dance Ensemble continued to enrich the cultural life of the University campus through performances at University and Institute programmes such as congregation, inaugural lectures, welcoming parties, sod-cutting ceremonies, funerals, exhibitions as well as state functions. It also undertook National engagements like performing at state dinners, sod-cutting ceremonies etc.

Benefactions

The Societies and Cultures Section received twenty-eight books from two donors, Prof. Beoku-Betts, Florida Atlantic University, and some of her students donated twenty-five books.

Dr. Sherrill Sellers and Dr. Susan-Kouassie, Universities of Madison and Michigan respectively donated three books to the Development and Women's Studies (DAWS) Library.

Todd Moss, Chair of the ABC Trust, agreed to pay for five (5) years subscription to Journal of Modern African Studies for the library beginning 2003. The library has also been put on the free mailing list of the following journals:

1. Forced Migration
2. Institute for Development Studies Bulletin
3. Insight.

INSTITUTE OF STATISTICAL, SOCIAL & ECONOMIC RESEARCH (ISSER)

Overview

During the year under review, the Institute continued to carry out research directed at promoting socio-economic development in Ghana and Africa. The Institute did its best to maintain a reputation for solid social science, research, paying close attention to exploratory, explanatory and evaluative aspects of the dynamics of development. Special emphasis was placed on the following:

- Ensuring that research has immediate bearing on the development problems and needs of Ghana and the rest of Africa.
- Responding to the direct demands of government and other stakeholders for information and guidance in selecting priorities and strategies for improving the well being of Ghanaians and Africans.
- Maintaining a focus on the academic purpose of ISSER and a commitment to add to the existing knowledge about society and development in Ghana and Africa.

To achieve its mandate, the two main research divisions, namely the Economics Division and the Social Division were re-organized. The Economics Division now has three units to deal with:

1. Macroeconomic Policy
2. Household Economics
3. Institutional Economics

The Head of the Economics Division is Dr. A Wayo Seini.

The Social Development Division has also been re-organized and has four units to conduct research into

1. Rural Institutions
2. Population, Health and Environment
3. Gender, Livelihoods and Technology
4. Spatial Development

The Social Division is run by Dr. Ellen Bortei-Doku Aryeetey. The research divisions are supported by two other divisions in:-

- Statistics, Computing, Communications and Information
- Human Resource Development

They are run by Prof. N.N.N. Nsawah-Nuamah and Dr. Clement Ahiadeke respectively.

In 2002, the Director, Prof. Kwadwo Asenso-Okyere was elevated to the position of Vice-Chancellor of the University of Ghana, Legon and Prof. Ernest Aryeetey was appointed the new Director of the Institute with effect from February 1, 2003. Prof. John K. Anarfi (Deputy Director) acted as Director from October 1, 2002 until January 31, 2003.

Brief Summary of Courses Offered

The Institute offered courses at the following levels:

M. Phil/M.A. Development Studies

Fifteen (15) students were admitted to the M.A. Development Studies programme in the 2002/2003 academic year. By the end of the year, 13 students had passed all their examinations. Three (3) of those who started the M.A. Programme were allowed to convert to the M. Phil programme.

Six (6) students from the M.A. Programme of the 2001/2002 academic year were also registered for the M. Phil programme. Unfortunately one of them died in the course of the programme.

Long Vacation Course in Statistics 2003

The Long Vacation course in Statistics started on 4 June 2003 and ended on 9 August 2003. In all, 276 students were admitted to the programme. The distribution of students was as follows:

- Certificate I -- 90 students.
- Certificate II -- 66 students
- Diploma I -- 45 students
- Diploma II -- 75 students

Short Courses

Four short courses were organised for policy makers, development analysts, programme implementers, consultants, researchers, District Assemblies and students. These were run from 9 June – 23 August 2003. In all, 97 participants were admitted for the courses. The four courses that were offered were:

- Data Management and Analysis
- Research Methodology and Report Writing
- Project Planning and Appraisal
- Project Implementation, Monitoring and Evaluation

Summary of Staffing Position

The Institute had the following categories of staff for most of the year:

Professor – 1
Associate Professor – 2
Senior Research Fellow – 4
Research Fellow – 6
Assistant Registrar – 1

The Institute also had fourteen (14) Senior Staff and nine (9) Junior Staff.

Research/Projects

The main institutional research projects at ISSER in the year under review were

i) Street-involved children and HIV/AIDS

This is an on-going project funded by Ford Foundation, and with Prof. J.K. Anarfi as co-ordinator. It is an intervention programme/action research which provides street children access to health facilities. They work with psychologists and health personnel and have a “street-wise” office at Kaneshie.

ii) Strategies and Analysis for Growth and Access (SAGA) Programme

This is a multi-dimensional research programme funded by USAID through Cornell University. Prof. E. Aryeetey is the Co-ordinator. Among the project components is a book project under the theme “Understanding Poverty in Ghana”. Other components of the programme include three workshops on “Qualitative and Quantitative Approaches to Poverty Research”, “Assessments of Poverty Dynamics” and “Land Policy Reform”.

iii) The Role of Agriculture in Ghana's Economic Development

This is a multi-dimensional project jointly undertaken by ISSER and the Faculty of Agriculture, and sponsored by the FAO. The research basically sought to explain current trends in agriculture using new techniques from social science research. The project was coordinated by Rev. Dr. S. Asssuming-Brempong of the Department of Agricultural Economics.

iv) Gender, Livelihoods and Land Tenure in Ghana

This project is funded by IDRC with Ms. Dzodzi Tsikata as Co-ordinator. It is a research project on Gender, Equity, Rural Livelihoods and Land Tenure Reforms in Ghana. In many parts of rural Ghana, long term environmental changes, coupled with economic liberalisation policies of the last two decades have resulted in stresses on traditional sources of livelihoods and widespread economic hardships and poverty.

The study examines the impacts of the introduction of new livelihoods on production systems, land tenure and on gender relations in Ghana.

v) Support for Education Decentralization in Ghana: USAID District Grant Mechanism

This project was funded by USAID and was coordinated by Dr. Clement Ahiadeke. It presents the findings of a qualitative study that examined the education decentralisation process and the implementation of the district grant mechanism

under the USAID/Ghana Quality Improvements in Primary Schooling (QUIPS) programme. The study was conducted for USAID/Ghana to provide information useful for the monitoring and planning of education interventions.

vi) Household Demand for Education

This project was funded by USAID/Ghana with technical assistance from ORC Macro Int. The project was completed in March 2003. This was an ISSER project with Dr. Albert Awedoba of the Institute of African Studies as Co-ordinator. The study examined the factors affecting parents' and guardians' decisions about whether to send school-age children to primary school or have children do something else. The ultimate goal of the study was to understand how families made decisions about schooling. However, the perspective of parents on having a child in school can be better understood in light of the many options available for a child's activities.

vii) Economic Burden of Malaria in Ghana

This was a project carried out in collaboration with the Ministry of Health and with support from the World Health Organisation (WHO). The Principal Researcher was Dr. Felix A. Asante.

The malaria burden is a challenge to human development. It is both a cause and consequences of under-development. In Ghana, malaria is the number one cause of morbidity accounting for 40–60% of OPD attendance at various facilities. Despite its devastating effects, the importance of a malaria-free environment in promoting economic development and poverty reduction has been less appreciated in Ghana. The study is an attempt to

- a) Estimate the impact of the burden of malaria on economic growth;
- b) Estimate the cost of malaria illness and control; and
- c) Find out the ability and willingness to pay for malaria treatment

viii) “Roamers” Commercial Sex Workers Project

The project was commissioned by Family Health International, with financial support from USAID. The study was intended to assess the magnitude of risk activities among sex workers in Accra, Tema and Sekondi-Takoradi. The goal has been to determine the things they do which constitute a risk to their health. The Principal Researchers are Prof. J. K. Anarfi, Dr. Clement Ahiadeke and Mr. Ernest N. Appiah.

ix) A Survey of Unemployed and Underemployed Persons in Ghana

This project was funded by the Ghana Government, with Prof. N.N.N. Nsawah-Nuamah as Principal Researcher. Its goal has been to conduct a census of unemployed and under-employed persons.

x) Ghana Decent Work Pilot Programme: Wages, Incomes and Employment for Poverty Alleviation in Ghana

This project was funded by the International Labour Organisation (ILO), with Dr. Anthony Tsekpo as Principal Researcher.

Employment growth in the Ghanaian economy became negative in the 1990s, except in the informal sector. The Structural Adjustment Programmes ignored the implications for employment and labour market until the initiation of PAMSCAD in 1988. There is an apparent failure of nominal wages to keep pace with the rate of inflation as a result of a deliberate policy by government to keep the wage bill down. The overall project objective is to enhance the Trade Union capacity in Ghana to understand and develop long term social and economic policies, particularly as they relate to wages, incomes and employment.

xi) Costing of Safe Motherhood (Making Pregnancy Safer) Initiative in Ghana: A Case Study of Wassa

This is a WHO-sponsored project with Dr. Felix A. Asante as Principal Researcher. The main goal of the "Making Pregnancy Safer" (MPS) programme in Ghana has been to improve women's health in general and to reduce maternal mortality and morbidity in particular. Despite all the various programmes launched in Ghana, maternal mortality rate continues to be high in Wassa West District.

xii) The Impact of Capital Flows and Macroeconomic Policy on the Agricultural Sector of Ghana

This is a SISERA-sponsored project undertaken by Dr. Felix A. Asante and Dr. A.Q.Q. Aboagye of the School of Administration.

In this study, the researchers investigate the impact of physical capital and macroeconomic policy on the agricultural sector in Ghana by modelling a production function for total agricultural output and the proportion of agricultural output that is exported or consumed domestically.

xiii) Major Trends in Socio Economic Development in Densu Basin of Relevance for Integrated Water Resources Management

This is a Water Resource Commission / DANIDA-sponsored project, with Dr. George Botchie as the Principal Researcher. The project has been completed.

xiv) Right to Development Research Project

In 1986 the UN General Assembly adopted a resolution on the Right to Development, which essentially brought into focus a human rights perspective in development. An Independent Expert - Prof. Arjun Sengupta, a visiting Fellow at the Francois-Xavier Bagnoud Center (FXB) at the Harvard School of Public Health was appointed to report on progress being made towards the implementation of the Right to Development protocols. As part of his monitoring strategies he commissioned a number of studies on the implementation of the Right to Development Agenda in member countries. Seven country studies were commissioned including the Ghana study. The project is managed by Prof. Steve Marks of the Harvard Law School. The Ghana study has been conducted by a team of three researchers including Dr. Ben Kunbuor, Mr. Raymond Atuguba and Dr. Ellen Bortei-Doku Aryeetey. The Ghana case-study will be published as a book, in addition to being placed in a summary report to be prepared on the seven country studies.

xv) Regulation and Competition in Ghana

This project is sponsored by DFID, through the Centre for Regulation and Competition, University of Manchester, with Prof. Ernest Aryeetey as Principal Researcher. The project is expected to end in February 2005. In this multi-year project, ISSER determines what important issues under the theme of "Regulation and Competition" are to be researched into in any year. The first year was used to study the institutional framework for regulation and competition in Ghana. In 2003 the project focused on the regulation of small and medium sized enterprises. It will host an international workshop on regulation and competition in March 2004.

xvi) Rural Household Asset Choice in Ghana

This is a SISERA-sponsored project with Prof. Ernest Aryeetey as Principal Researcher. Using data from GLSS III and GLSS IV the project analyzes how rural households allocate their asset portfolios. The study shows that contrary to theory, the allocations made by rural households in the two periods did not change with changes in income sizes.

xvii) Accra Women's Health Project

This project is sponsored by USAID and carried out collaboratively with the Harvard School of Public Health under the coordination of Prof. Alan Hill and Prof. John Anarfi.

The study involves the collection of information on both reproductive and general health from household surveys following World Health Survey recommendations. These household interviews include a full history of marriages and pregnancies and detailed information about self-reported general health and selected specific conditions.

In addition to the various research projects, ISSER produced in 2003 the annual "State of the Ghanaian Economy Report" for 2002. The report received contributions from all members of the Economics Division and its preparation was coordinated by Prof. Ernest Aryeetey, Director.

In 2002, ISSER in collaboration with UNDP again issued the Ghana Human Development Report 2002. The publication was coordinated by Dr. Ellen Bortei-Doku Aryeetey with contributions from a number of consultants and a Steering Committee.

Publications

Aryeetey, E.

Journal Articles

- Aryeetey, E. 2003, "Taking Africa Seriously: A Case for Enhanced Resource Flow to Facilitate Development and Reduce Poverty," *Journal of African Economies*, Vol. 11, Number 2, pp.282-307
- Aryeetey, E. 2003, "Recent Developments in African Financial Markets: Agenda for Further Research", *Journal of African Economies*, Vol.12 AERC Supplement 2, pp.111-152.

- Whitehead, A. and Tsikata D. 2003. Policy Discourses on Women's Land Rights in Sub-Saharan Africa: The Implications of the Return to the Customary. *Journal of Agrarian Change*, Vol.3, Nos 1&2, January and April, 2003
- Tsikata, D. 2003, Securing Women's Interests within Land Tenure Reforms: Recent Debates in Tanzania. *Journal of Agrarian Change*, Vol.3, Nos. 1 & 2, January and April.

Edited Volumes

- Nissanke M. and E. Aryeetey, (editors) 2003. *Comparative Developments of Sub-Saharan Africa and East Asia: An Institutional Approach*, Ashgate Publishers, Aldershot.
- Aryeetey, E., J. Court, M. Nissanke and B. Weder (editors) 2003, *Asia and Africa in the Global Economy*, United Nations University Press, Tokyo.

Other Publications

- Aryeetey, E. 2003. "The Institutional Framework for Regulation and Competition in Ghana", Working Paper 46, Centre for Regulation and Competition, The University of Manchester, Manchester, December, 2002.

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Journal Articles

- van den Boom G.J.M. N.N.N. Nsowah-Nuamah, G. Overbosch, Curative Health care Utilization in Ghana: A multinomial Analysis of Equitable Access Opportunities, SDAOC Foundation, Burkina Faso, 2002

Book Chapters

- Kabore, T. H., Couliadiati, J., Nsowah-Nuamah, N.N.N and G.J.M. van den Boom G.J.M. (2002), Le rendement de l'éducation au Burkina Faso: une analyse par niveau d'éducation, par sexe et par Cohorte (To be included in a book "Returns to Education in Central West Africa").

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- Marquette, C.M.; K. A. Koranteng; R. Overa; E. Bortei-Doku Aryeetey, 2002. "Small-scale Fisheries Population Dynamics and Resource Use in West Africa: The Case of Moree, Ghana. *AMBIO*, Vol 31, No 4, Pp.324 – 336.

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- Bortei-Doku Aryeetey, Ellen, 2002: "Socio-Economic Aspects of Artisanal Marine Fisheries Management in West Africa" in McGlade, J. M, P. Cury, K.A. Koranteng; N.J. Hardman-Mountford, *The Gulf of Guinea Large Marine Ecosystem*. Elsevier, Amsterdam, Pages 323-344. June.
- Bortei-Doku Aryeetey, Ellen, 2002: "Behind the Norms, Women's Access to Land in Ghana", in Toulmin C; P. Lavigne Delville; S. Traore, *The Dynamics of Resource Tenure in West Africa*. James Currey, Oxford. Pp. 86-97. June.

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- Appiah-Kubi, Kojo (2003), "An Analysis of Tax Reform in Ghana (1983–2002)" Ghana Social Science Journal (New Series), Vol. 2., No.1; 66 – 103.
- Seini, A.W. "Political Instability and Agricultural Policy Dynamics in Ghana" Law and Politics in Africa, Asia and Latin America, Vol.35, No.3. 2002. Hamburg.
- Asante, F.A. S. Engel and M. Iskandarani 2002, "Water Security in the Ghanaian Volta Basin: Patterns, Determinants and Consequences, Quarterly Journal of International Agriculture: Vol. 41, No.1/ 2

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- 2003) The Fiscal Impact of Structural Adjustment in Ghana. Ghana Universities Press, Accra.

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- Seini, A.W. Agricultural Growth and Competitiveness Under Policy Reforms in Ghana, Technical Publication No. 61, Institute of Statistical, Social and Economic Research (ISSER) University of Ghana, Legon, September 2002.
- Asante, F.A. 2003. "Economic Analysis of Decentralisation in Rural Ghana" Peter Lang, Frankfurt am Main, Germany

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Ahiadeke, C.

- Ahiadeke, Clement 2002, "The Incidence of Self-Induced Abortion in Ghana: What Are the Facts? Research Review Vol. 18 No.1 pp.33 – 42.

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Other Publications

- Asante F.A. 2003, "Economic Analysis of Decentralization in Rural Ghana" Peter Lang, Frankfurt am Main, Germany.

Botchie, G.

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- Botchie, George, 2002, "Technology and Small-Medium Scale Enterprise Development in Ghana: The Case of the GRATIS Project" Mimeo, African Technology Policy Studies Network (ATPS) . Nairobi Kenya June 2002

- Botchie, George 2002, "Poverty Reduction and Rural Development in Ghana", Proceedings of International Conference on Rural Development in Ghana, Bradford, November.

Appiah, E.N.

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- Appiah, E.N. et al 2003. "The Economic Impact of Remittances of Holland-Based Ghanaian Migrants on Rural Ashanti", Proceedings of Workshop on Transnational Migration, Return and Development in West Africa: Sussex Centre for Migration and Research, University of Sussex, UK

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- Securing Womens' Interests Within Land Tenure Reforms: Recent Debates in Tanzania, Journal of Agrarian Change, Vol. 3, Nos. 1 & 2 January and April.

ISSER Seminars

The Institute organised the following seminars during the year under review:

DATE	TOPIC	PRESENTER
23/7/02	Globalisation: Implications for Africa	Prof. Raymond F. Hopkins Swarthmore College, USA
27/8/02	Gender, Land Rights and Agricultural productivity in Southern Ghana	Prof. Chris Udry Yale University, USA
23/10/02	The Economics of Pineapple Production And Marketing in Ghana: The Farmapine Model	Godfred Yeboah Ph.D Candidate, University of Kentucky, USA
14/1/03	Transnational Networks and the Creation of a Local Economy: The Influence of Migrants on Economic Institutions in Accra	Lothar Smith Visiting Ph.D Candidate, of Free University, Amsterdam, The Netherlands
4/3/03	Budgetary Institutions/Procedures and Fiscal Consolidation in Ghana: Research Methodology Workshop	Dr. Anthony Tsekpo Research Fellow, ISSER

11/3/03	Rainfall and Economic Activity in 4 African Countries ... Plus Ghana"	Dr. Stephen O'Connell Professor of Economics at Swarthmore College
25/3/03	Understanding Poverty Dynamics in Ghana	Dr. K. Appiah-Kubi Research Fellow, ISSER
1/4/03	The Impact of Capital Flows and Macroeconomic Policy on the Agricultural Sector of Ghana	Dr. A.Q.Q. Aboagye & Dr. Felix A. Asante
15/4/03	"Gender, Knowledge and Management of Seed Resources in South-East Ghana"	Dr. Ellen Bortei-Doku Aryeetey Senior Research Fellow, ISSER
29/4/2003	"Fertility Decline in Ghana: The Role of Family Planning Components and the Spread of Mass Education"	Dr. Clement Ahiadeke Senior Research Fellow, ISSER
6/5/03	Macro-economic Policies And Poverty Reduction in Ghana, 1991/92 - 2001/2002	Dr. George Botchie Research Fellow, ISSER
13/5/03	Changing State Policies and Migrant Settlements Along the Volta Lake	Ms. Dzodzi Tsikata Research Fellow, ISSER
3/6/03	"Competitiveness and Performance of Ghanaian Exporters"	Dr. Susana Wolf Visiting Scholar at the Department of Agricultural Economics and Agribusiness (Fellowship by Alexander Von Humboldt Foundation)

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) now in its final 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 and Japanese experts have also visited the Institute to work on various studies.

As part of the staff development programme of the Institute a number of staff obtained Fellowships/Scholarships to pursue either MPhil/PhD programmes abroad. Two other staff successfully completed their Ph.D programmes. Three senior members were promoted to the position of Associate Professor and two other Research Fellows have retired. The status of senior members is shown in the Table below:

Senior Members

Units	Professor	Profs Emeritus	Asso. Profs	Snr. Res. Fellows	Res. Fel.	Snr. Asst Registrar	Asst. Reg.	Total
Administration		1				1	1	3
Bacteriology			1	1	1			3
Clinical Pathology			1	1	1			3
Electron Microscopy				1				1
Epidemiology	1			1				2
Laboratory Animals					1			1
Immunology			1		2			3
Nutrition				2	1			3
Parasitology			1	3				4
Virology		1		2	1			4
TOTAL	1	2	4	11	7	1	1	27

Senior Staff	Junior Staff	Project Staff
Accounting Assistant		8
Administration Asst/Library Assistant		5

Research Assistant/Nurse	24		28
Technologist/Technician	22		10
Maintenance	6	1	
Transport/Driver/Mechanic	2	11	7
Data Entry Clerks/Secretary/Clerks		7	7
Labourer/Cleaner		7	4
Security Guard/Watchmen/Foremen		11	
Tel. Exchange Supt./Supervisors/ Storekeepers	1	2	
Technical Assistant/Assistant Technician	1	8	
TOTAL	68	46	56

The Institute continued to assist in the training of science students from the country's universities at the undergraduate level. MPhil 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. Currently eight Ph.D students are being supervised by Fellows in the Institute. The Institute has also introduced the Research Studentship Programme, which provides opportunity for graduate students to undertake their project work with full sponsorship from the Institute.

New research projects initiated during the year under review included the Global Parasite Control Initiative (Hashimoto Initiative), Randomised Controlled Trial of SAVVY, Buruli Ulcer transmission and pathogenesis and HIV in Ghana. Discussions for the implementation of the initiative for Maternal Mortality Programme Assessment (IMMPACT) was also concluded in the year under review. The research Units of the Institute are Parasitology, Immunology, Clinical Pathology, Electron Microscopy, Epidemiology, Virology, Bacteriology, Nutrition and Laboratory Animals. They continued with their research activities in the following areas:

- EPI – related diseases and programmes in malaria
- Lymphatic Filariasis
- Onchocerciasis
- HIV/AIDS, Tuberculosis and Sexually transmitted Infections
- Infant Feeding and Nutrition of Pre-school children
- Micro-nutrient deficiency
- Childhood diarrhoeal diseases
- Primary Health Care and Community disease surveillance
- Toxicity of medicinal plants and aflatoxins
- Sickle cell anaemia
- Schistosomiasis

Practically, all these projects were funded by external agencies including WHO/ TDR, NIH, GIANT, IFPRI, MIM, DANIDA, European Union (EU), Human Science Foundation (HSF), Phyto -Riker, AMANET, NAMRU.

The main development projects in progress include the construction of a building to house two liquid nitrogen plants donated by WHO and JICA. Currently a construction site building is being converted into staff canteen and the Kajima

building (another construction site building) into a laboratory centre for sample collection, counselling and for the IMPACT Project.

Students from sister universities and second cycle institutions as well as organised groups and individuals visited the Institute.

The Institute continued to disseminate its research findings/activities through weekly seminars. The third annual research meeting took place between 23rd – 25th September 2003 and was on the theme “Control of Endemic Diseases – Bridging the Research Policy Divide”. with special focus on diseases marked for eradication and emerging health problems.

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.

During the year under review, the Saudi Prince Alwaleed Bin Talal Bin Abdulaziz Alsaud through His Excellency the President of the Republic of Ghana donated \$600,000.00 to the Institute for research into malaria, HIV/AIDS, and malnutrition. Mr. Nobuo Urata of Kaiser Aluminium and Chemical Corporation also donated \$1000 US dollars to the Institute.

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- Plasmodium falciparum variant surface antigen expression varies between isolates causing severe and non-severe malaria and is modified by acquired immunity. Journal of Immunology, 2002, 168:3444-3450

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Peter Garred, Morten A. Nielsen, Jørgen A.L. Kurtzhals, Rajneesh Malhotra, Hans O. Madsen, Bamenla G. Goka, Bartholomew D. Akanmori, Robert B. Sim and Lars Hviid.

- Mannose-binding lectin is a disease modifier in clinical malaria and may function as opsonin for *Plasmodium falciparum* infected erythrocytes. *Journal of Infectious Diseases* 2003, 71(9): 5245-5253.

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- Characteristics of severe anemia and its association with malaria in young children of the Kassena-Nankana District of northern Ghana. *Am J Trop Med Hyg.* 2002 Oct;67(4):371-7.

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- HIV-1 and HIV-2 Seroprevalence and Risk Factors among Hospital Outpatients in the Eastern Region of Ghana, West Africa. *Journal of Acquired Immune Deficiency Syndrome* (2002). 29(5): 511-516.

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- Laboratory Investigation of Patients suspected of Yellow Fever Infection in Northern Ghana Low prevalence of yellow fever in patients with haemorrhagic fever in Northern Ghana Submitted to Bulletin of WHO.

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- Ethnic variation in the HER-2 codon 655 genetic polymorphism previously associated with breast cancer. *J Hum Genet.* 2002;47(4):172-5.

Conference Presentations/Posters

Bosompem, K.M.

- Presented a paper entitled, "Deworming of school children", at the 11th Annual Congress of the District Directors of Health Services (DDHS) Group, Ghana. Equipping the DDHS, the Team Leader in The Ghana Health Service. 25th to 31st May 2003.
- Presented a paper entitled: Enhanced Animal Industry - The role of Biotech & Biosafety at the Public Awareness Forum on the National Biosafety Framework Development Process. (Theme: Biotechnology for Sustainable Development in Ghana). Teachers Hall, GNAT Headquarters, Accra, 10th September 2003.
- Chaired the scientific session at the Cryptosporidium Workshop. Theme, Impact of Cryptosporidium infection on human health in Ghana. British Council, Accra, 3rd September 2003.
- Facilitator at the "No. 3 JICA Third Country Training Course in Planning, Implementing and Monitoring of School-Based Parasitic Diseases Control for Health and Education Programme Managers" 21st July – 15th August 2003.
- Participant in the Schistosomiasis Control Initiative (SCI) Advocacy Workshop. Held at the Imperial College, London, UK. July 15th – 16th 2003.

Akanmori, B. D.

- Capacity building for research in Africa: achievements and challenges. 3rd Meeting of the Developing Countries Co-ordinating Committee of the EDCTP. Maputo, Mozambique, July
- EU funded Capacity building workshop Brussels, 19th –20th July 2003
- Joint programme developing committee meeting of the EDCTP. Den Hague, Holland
- Joint Programme Proposal Development Committee meeting of the EDCTP. Den Hague, The Netherlands
- Joint Programme Proposal development Committee meeting of the EDCTP. Den Hague, Holland, 16th –18th July 2003. Den Hague, The Netherlands

- European Economic Interest Group (EEIG) Assembly Meeting, Brussels July 2003
- European Economic Interest Group (EEIG) Assembly Meeting, Brussels April 2003
- European Economic Interest Group (EEIG) Assembly Meeting, Brussels May 2003
- Programme Paludisme Plus Scientific Meeting, Anglet, France 2nd –4th April 2003.
- EU funded DCCC Proposal Development for the EDCTP 21st-23rd July 2003, Maputo, Mozambique

Garred P, Nielsen MA, Kurtzhals JAL, Malthotra R, Madsen HO, Goka BQ, Akanmori BD, Sim R and Hviid L.

- Mannose-binding lectin is a disease modifier in clinical malaria and may function as opsonin for Plasmodium falciparum Presented at the 14th British Society for Parasitology (BSP) Malaria Meeting, Manchester UK. 6th –9th April 2003

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- Severe anaemia in African children: is the importance of malaria underestimated? Presented at the 14th British Society for Parasitology (BSP) Malaria Meeting, Manchester UK. 6th –9th April
- Accra Copenhagen Research Link, Co-ordination Meeting, Copenhagen, Denmark. 22nd – 27th April 2003.
- Meeting with Prime Minister of Mozambique. Dr. Pascoal Mocumbi to plan the next Meeting of the Developing Countries Co-ordinating Committee of the EDCTP 9th –12th July 2003

Ofori, M.F., Staalsoe T, Bam V, Lundquist M, David K Browne ENL, Akanmori, B.D. and Hviid, L.

- Expression of variant surface antigens by Plasmodium falciparum parasites in peripheral blood of clinically immune pregnant women indicates ongoing placental infection. Presented at the 14th British Society for Parasitology (BSP) Malaria Meeting, Manchester UK. 6th –9th April 2003
- European Developing Countries Clinical Trials Partnership Meeting of Experts on Malaria, Tuberculosis and HIV/AIDS Entebbe, Uganda, 24th-26th February 2003
- European Developing Countries Clinical Trials Partnership Meeting of Experts on Malaria, Tuberculosis and HIV/AIDS Bologna, Italy, 17th-19th March 2003.

- Malaria Immunology and Pathogenesis Network, a capacity building for research in Africa. Presentation at the Review Meeting of Principal Investigators of WHO/TDR/MIM Malaria Projects, Maputo, Mozambique 6th -14th March.
- Third Annual Research Meeting of the Noguchi Memorial Institute for Medical Research. 23rd to 25th September 2003.

REGIONAL INSTITUTE FOR POPULATION STUDIES

Overview

RIPS, as a Regional Institute for Population Studies was established jointly by the United Nations and the Government of Ghana as a demographic training and research institution to serve English-speaking graduates in sub-Saharan Africa in February 1972.

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, West Germany and Papua New Guinea have been trained at 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 straits following the UNFPA's withdrawal of funding to the Institute and non-functioning of the Governing Council since 2000. It is to be noted that RIPS is the only tertiary institution in the country which provides post-graduate training leading to the award of M.A, M.Phil and Ph.D degrees in Population Studies.

RIPS has, meanwhile, revised its course structure and academic programmes to synchronize its academic calendar with the semester/course credit unit system of the University of Ghana. There are plans to revise the Institute's training fees to enable many prospective Ghanaian applicants to take advantage of the good academic and research programmes the Institute offers.

Admissions

Eleven students made of ten Ghanaians – nine males and one female; and one female foreign student (from Lesotho) were admitted for the M.A. programme during the year.

An M.Phil. candidate and a Ph.D. candidate (on part-time) also completed and submitted their theses in the course of the 2002/2003 academic year.

Student Research

The Institute's annual demographic sample survey, which provides practical training for students as well as increasing the demographic database of the Institute for research, was conducted at Kitase, Akwapim (Eastern Region) from 22nd April to 6th May 2003. The subject of investigation in the survey was "Socio-Economic and Demographic Determinants of Reproductive Health in Kitase"

As part of the requirements for the award of M.A. Population Studies degree, students conducted research into population problems in their respective countries using secondary data and these investigations were presented in a research seminar at the Institute from 3rd – 4th September 2003.

Currently, the Institute is involved in a field study, which is aimed at developing a methodology that can be used for assessing the health impact of the Ghana Community-Based Health Planning and Services programme (CHPS) being implemented by the Ghana Health Service, Ministry of Health with funding from the Population Council, New York, USA..

Staff Position

Senior Members - The academic staffing position remained the same as last year with five (5) staff at post, two (2) of whom are on post-retirement contract. One of the two Library staff retired at the end of the academic year

Senior Staff Six (6).

Junior Staff Eleven (11).

Research/Projects

All faculty members continued to teach, and participated in various research activities as listed below:

Conferences/Workshops/Seminars

Kwankye, S.O.

- 2002 Sub-regional workshop on the integrated project: Advocacy for Community-based Sexual and Reproductive Health Programmes organized by PPAG in collaboration with UNFPA and JOICFP, 21st -29th September 2002 at Hotel Georgia, Kumasi Facilitator for Advocacy Training.
- Third Meeting of the Working Group for the Follow-up to the Dakar/Ngor Declaration/International Conference on Population and Development, organized by the United Nations Economic Commission for Africa, 18th – 20th December 2002, in Dakar, Senegal.
- Meeting on "Migration, Globalization and Poverty." Research at the University of Sussex, 10th -12th June 2003, Brighton, United Kingdom.
- Facilitator – Training of African Youth Alliance (AYA) Media and Communication Advocacy Network (MCAN) on Advocacy Skills and Tools, Achimota, 22nd-23rd May 2003.
- Facilitator – Adolescent Sexual Reproductive Health (ASRH) Advocacy Workshop for Federation of Women Lawyers (FIDA), Accra 17th-18th March 2003.

- Facilitator - Orientation seminar for Literature Translators for FIDA, Legon, 3rd June 2003.

Tawiah, E.O.

- Facilitator – Training of African Youth Alliance (AYA) Media and Communication Advocacy Network (MCAN) on Advocacy Skills and Tools, Achimota, 22nd-23rd May 2003.
- Facilitator – Adolescent Sexual Reproductive Health (ASRH) Advocacy Workshop for Federation of Women Lawyers (FIDA), Accra 17th-18th March 2003.
- Facilitator - Orientation seminar for Literature Translators for FIDA, Legon, 3rd June 2003.

Mba, C.J.

- Participated in the Ad-hoc Expert Group Meeting on Trade Liberalization in West Africa, and the Sixth Meeting of the Inter-Governmental Committee of Experts of the ECA Office for West Africa, which was held during 19th –24th May 2003 in The Gambia.
- Participated in the International Short Programme in Economic and Financial Aspects of Ageing, held at the Forum Hotel, St. Andrews, Malta, 31st March – 11th April 2003.
- Participated in the International Conference on Geriatric Care in Africa: Now and the Future, held in Cape Town South Africa, 6th –8th March 2003.

Nyarko, Philomena

- Workshop on “African Gender and Development Index” organized by the Economic Commission for Africa in Addis Ababa, Ethiopia from 25th to 29th November 2002.
- Stakeholders meeting on the “Demographic and Health Survey Maternal Mortality Study” organized by the Ghana Statistical Service in Accra on January 14, 2003.
- Follow up on Stakeholders meeting on the “Demographic and Health Survey Maternal Mortality Study” organized by the Ghana Statistical Service in Accra on January 29, 2003.

Research Projects / On-going Research

Kwankye, S.O.

- Spatial Distribution and Urban Development in Ghana”.

Mba, C.J.

- Mba C.J. 2003 “Assessing the Reliability of the 1986 and 1996 Lesotho Census Data” in Journal of Social Development in Africa, Vol.18, No. 1, 2003, pp.111-127.
- Mba C.J. 2002 “Nigeria’s Population Policy and Future Fertility Decline” in Research Review, Vol.18, No.2, 2002, pp.23-37.

Nyarko, Philomena

- "Child morbidity and health-seeking behaviour of primary caretakers in the Kassena-Nankana district".
- "Impact of the Community-Based Health and Family Planning and Services (CHPS) Initiative in Ghana"
- "Analysis of Fertility and Mortality Trends in Ghana"

Tawiah, E.O.

- District Analysis, Greater Accra Region.

Library Services

The library, a joint centre with ISSER, serves all clientele and provides service to a wide spectrum of visitors.

Strategic Review

An appeal is being made to the Government of Ghana to take appropriate action to take over and make RIPS a National Institute to pave way for its sustainability. Moreover RIPS is the only Institute that offers courses for a degree in Population Studies in Ghana and has the capacity to develop into a demographic training and research centre in Africa.

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 twice in December 2002 and on October 22, 2003 during the year under review. Membership was as follows:

Vice-Chancellor	Chairman
Prof. A.A. Alemna	University Librarian
Prof. E. Asibey-Berko	Development Committee Representative
Prof. A. Baah-Nuakoh	Finance Committee Representative

Dr. Rebecca Ganusah	Faculty of Arts Representative
Mr. T.A. Ajadeh	Faculty of Agric. Rep.
Mrs C. Dowuona-Hammond	Faculty of Law Rep.
Dr Esther Sakyi-Dawson	Fac. of Science Rep.
Dr. Pino T. Akotia	Fac. of Soc. Studies Rep.
Mr. G.O. Cofie	Sch. of Admin. Rep.
Mr. Sitsofe Dzansi	College of Health Science
Mr. G.A. Apae Nyelom	S.R.C. Rep.
Ms Aku Xornam	S.R.C. Rep.
Mr. Farouk Abdulai	Finance Officer's Rep.
Mrs. Victoria Doodoo	Ag. Deputy Librarian
Mr. V.K. Fosu	Balme Library
Mrs. E. Padi-Tetteh	Registrar's Rep./Secretary

Staff Matters

a. Senior Members

Mrs Gladys Kwadjo assumed duty in the Balme Library on 1st October 2003.

Education

The following senior members are pursuing their M.Phil programme at Department of Information Studies on part time basis:

Mrs. Theodosia Adanu
 Mr. John Amekuedee
 Mr. Reginald Sam
 Mrs Angelina Armah

Leave Absence

Mr. S.K. Atta, an Assistant Librarian is on leave of absence without pay for one year from January 2003 to December 2003.

b. Senior / Junior Staff

(a) Appointments

The following new appointments were made to fill some of the vacancies that had existed:

Ms Adzraku Benedicta	Jnr. Lib. Asst. Grade III
Mr. Immurana Abudulai	Jnr. Lib. Asst. Grade III
Mr. Edoh Michael Yao	Jnr. Lib. Asst. Grade III
Ms. Jessy Nana Amamoo	Jnr. Lib. Asst. Grade III
Mr. Okang Adjetej	Messenger / Cleaner
Mr. Etse Gabriel K.	Messenger / Cleaner
Mr. Toe Stephen Kwaku	Messenger / Cleaner
Mr. Katia John	Messenger / Cleaner
Mr. Peace Donkor	Messenger / Cleaner
Mr. Atule Akeeda	Messenger / Cleaner

(b) Promotion / Confirmation

The following members of staff were promoted in their grades:

Mr. Emmanuel Quaye	Snr. Library Assistant
Mr. Ebenezer Pobi	Snr. Library Assistant
Miss Faustina Ntneh	Snr. Asst Binder
Miss Grace Mensah	Snr. Asst. Binder
Mr. S.A. Agyekum	Snr. Admin. Assistant
Mr. F.A. Andrews	Prin. Asst. Binder
Mrs Diana Dadzie	Asst. Binder
Mr. Umar Idriss Faruq	Jnr. Lib. Asst. Grade II
Mr. Amponsah Larbi	Jnr. Lib. Asst. Grade II
Mr. Gilbert Afachao	Jnr. Lib. Asst. Grade II
Mr. L.H. Donkor	Snr. Driver
Miss Theresa Asare	Bindery Asst. Grade I
Miss Vivian Asiedu	Bindery Asst. Grade I
Mrs Vivian Doe Teddy	Bindery Asst. Grade I

The following members of staff have been confirmed in their grades:

Mrs Cynthia Ama Atua-Ntow	Library Assistant
Mr. Bernard Appiah-Kubi	Snr. Programmer / Analyst
Mr. Tunnu Prosper Kweku	Jnr. Lib. Asst. Grade III
Ms Asifu Evelyn Aku	Jnr. Lib. Asst. Grade III
Ms. Abia Naomi Bada	Jnr. Lib. Asst. Grade III
Mr. Mensah Francis Essel	Jnr. Lib. Asst. Grade III
Ms Azanu Linda Emefa	Jnr. Lib. Asst. Grade III
Ms Quashie Margaret Martha	Bindery Asst. Grade II
Ms. Hackman Lawrence Atta	Bindery Asst. Grade II
Ms. Balorbey Edith	Bindery Asst. Grade II
Mr. Reuben Addy	Messenger / Cleaner
Mr. Richard Ansah	Messenger / Cleaner
Mr. Peter Nukpeta	Gardener

c. Reassignment

Mr. B.A. Botchwey	Chief Accounting Assistant
Ms Constance Kocke	Accounting Assistant
Mr. Asamoah Agyekum	Snr. Admin. Assistant
Mr. Norbert Abunga	Jnr. Library Asst. Grade II
Mr. David Berko	Jnr. Lib. Asst. Grade I
Mr. Adomako Asiama	Jnr. Lib. Asst. Grade III
Mr. Daniel Larbi	Jnr. Lib. Asst. Grade II

Education

The following senior / junior staff members of the library are pursuing Degree** and Diploma* courses at the Department of Information Studies.

Mr. Umar Idriss**
Mr. Shaban Laari Swalah**
Mr. Emmanuel Quaye**

Mr. Ebenezer Pobi**
Mrs Cecilia Arde-Acquah**
Mr. Chris Bubuama**
Mr. Emmanuel Bubuama*
Mr. Gilbert Afachao*

The following members of staff have completed their MA* and Degree** programmes at the Department of Information. They studied with pay.

Mr. David Odjeawo*
Mr. Newton Akrong*
Mr. Amponsah Larbi**
Mrs Emelia Agyei**

d. The IFLA/DANIDA Project

The ILL/DD Project in Ghana – a project jointly sponsored by IFLA and DANIDA started operating in 1998. By 1999 it was in full operation. This project has been of tremendous help to students, lecturers and researchers through the document delivery services. Unfortunately the ILL/DD project will come to an end in December 2003. It is sad to note that all the equipment – computers, a scanner and a printer for the project in the office are down. The only computer being used now is by courtesy of the GETFUND. The Danish Team organized a workshop on the Digital Research Library in Ghana from May 19 – 20, 2003.

Balme Library Computer Laboratory Training for the year 2002/2003 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 took place during the long vacation and was held in two separate sessions, (morning and afternoon), for a period of five (5) weeks. Below are the dates and the total number of participants for each period:

- | | |
|---------------------------|------------------|
| • May 19 – June 20, 2003 | Forty-one (41) |
| • June 23 - July 25, 2003 | Thirty-four (34) |

Staff

Training was held in basic computer literacy skills, MS word, MS Excel and MS power point for secretarial staff of the Balme Library, during the long vacation.

INASP Workshop

A five-day workshop on 'web authoring leading to library web pages' was organized for twenty (20) professional librarians in the public university libraries in Ghana from December 1-5, 2003. This was sponsored by the International Network for the Availability of Scientific Publications (INASP).

Students

Post-graduate training

Free training was held for post-graduate students on how to effectively search the Internet. They were introduced to the online academic databases made available through the PERI programme. This took place from October 6 – November 7, 2003.

Undergraduate training

- Level 200 students from the Department of Library and Information Studies were taken through a practical session on how to use the Internet, from Monday October 27, 2003 – Monday November 17, 2003. The time was 10.00 a.m. - 12noon and 6.00p.m – 8.00p.m each day. A total of about four hundred (400) students attended these sessions.
- Diploma II students from the Library and Information Science (LIS) department also came for practical sessions in the computer lab on Thursday, November 19, 2003 and Thursday, November 27, 2003 at 10.30 a.m. to 12.30 p.m.

Others

- A five-day workshop was held for librarians from private and public institutions on Electronic Resource Management and Internet use in January 2003. Particular attention was paid to electronic resources provided through the PERI programme.
- The Private Enterprises Foundation (PEF) organized training in the computer lab for Business people in August 2003 on the use of information technology to enhance business. They provided their own resource persons.
- The Ghana Library Association (GLA) organized training in document imaging for professional librarians on October 2-3, 2003.

United Nations Document Library

The UN library receives materials published by the various bodies connected to it. Apart from the outstanding ones that are well known in connection with the subjects they handle i.e. FAO, UNESCO, UNCTAD, WHO, UNICEF among others, there are certain minor departments that are also affiliated to the U.N., these include Department of Information (DPI), Bureau of Social Affairs, Bureau of Technical Operations and a lot more.

Some of these materials bear authors' or editors' names and these are used as the main entry when preparing catalogue cards. but for those without author's or editor's names, the departments that produced these materials are used as the main entries and books labeled and shelved as such.

This is very confusing for all categories of users because although some of these materials are very useful they have been considered "missing" due to the arrangement of cards.

Materials at the UN periodicals section were not orderly but have now been grouped alphabetically by titles. Labels are being prepared to indicate the distinct materials contained in this section, this same exercise currently taking place at the FAO and UNESCO periodicals sections.

Apart from these undertakings, the UN library receives new publications almost everyday, these include books, some with CD-ROMS attached which according to information holds more information than what is contained in the book itself: journals and periodicals among others are processed and catalogued manually, these are also shelved at their proper places and cards filed as such.

Even though certain changes have taken place, a lot more needs to be done so that our readers may have easy access to all material with or without the help of an assistant.

Report on the Balme Library Cyber Cafe

The Balme Library cyber café is located on the ground floor of the Balme Library Annex.

Fifty-four (54) new computers were installed in the café and are all connected to the Internet in addition to the eight (8) previously connected.

Services offered in the cyber café include, Internet searches, typing, e-mail and scanning of pictures or text.

A workshop began operating in October to see to the servicing and repair of the computers. It is located in a room within the cyber café and is staffed by the Electronic Support Unit of the Balme Library.

Retirement

The following member of staff retired from the service of the University/Balme Library from 1st October 2003:

Mr. F. K. Bakudie, Principal Assistant Printer. He worked in the Library for 38 years.

Best Worker Award for 2002

The staff of the Balme Library nominated Ms Esther Quaye, Assistant Binder as the best worker for the year 2002. For her award, she received an amount of two hundred thousand cedis (¢200,000.00) from the Rev. Dr. T.K. Setse Memorial Fund.

Conferences/Seminars/Workshops

a. The following senior members attended the Conference of Standing Conference of African University Libraries, Western Area (SCAULWA) held at Erata Hotel, Accra from 3rd - 5th November, 2003.

Prof. A.A. Alemna
Mrs V. Dodoo
Ms. G. Boakye

University Librarian
Ag. Deputy Librarian
Sub-Librarian

Mr. J.O. Amekuedee		Assistant Librarian
Ms. M. Vowotor		Assistant Librarian
Ms. Olivia Kpodoe	–	Assistant Librarian
Mrs Gladys Kwadzo	–	Assistant Librarian

Ms Boakye and Prof. Alemna presented a paper entitled “Donor Support and Sustainability: the case of University Libraries in Ghana.

The theme of the Conference was: “Donor Support and Sustainability”

b. The following Senior Members attended the Conference of West African Library Association (WALA) held at Erata Hotel, Accra from 6th – 7th November 2003.

Prof. A.A. Alemna – University Librarian
Mrs. V. Dodoo – Ag. Deputy Librarian
Ms. G.O. Boakye – Sub-Librarian
Mr. J.O. Amekuedee – Assistant Librarian
Mrs Gladys Kwadzo – Assistant Librarian

Mr. Amekuedee and Prof. Alemna presented a paper entitled: Funding Library Associations in West Africa.

The theme of the Conference was: “Management of National Library Associations”

Mrs. Gladys Kwadzo was one of the Rapporteurs.

c. The following Senior Members attended a workshop on the Database of African Theses and Dissertations (DATAD) and launching of DATAD database from 29th – 30th April 2003.

Prof. A.A. Alemna – University Librarian
Mrs. Victoria Dodoo – Ag. Deputy Librarian
Mr. J.O. Amekuedee – Assistant Librarian
Mrs. A. Armah – Assistant Librarian

Mrs V. Dodoo and Mr. J.O. Amekuedee presented a DATAD report from Ghana.

d. The following Senior Members attended the Digital Research Library in Ghana Workshop held in Accra, 19th – 20th May, 2003.

Prof. A.A. Alemna	–	University Librarian
Mrs. Victoria Dodoo	–	Ag. Deputy Librarian
Mr. J.O. Amekuedee	–	Assistant Librarian
Ms. Margaret Vowotor	–	Assistant Librarian

Mrs T.S.A. Adanu was the Rapporteur

The following Senior Members attended INASP/Balme Library Workshop on Web Page Design and Authoring leading Library Web Pages – 1st – 5th December, 2003 at the Balme Library Computer Laboratory.

Mrs. Victoria Dodoo	–	Ag. Deputy Librarian
Mr. J.O. Amekuedee	–	Assistant Librarian
Mrs Sarah Adinku	–	Assistant Librarian
Ms Olivia Kpodoe	–	Assistant Librarian
Mrs Gladys Kwadzo	–	Assistant Librarian

Mrs. T.S.A. Adanu was the facilitator.

Conferences and Seminars

Alemna, A.A.

- Africa Regional Workshop on Digital Libraries and Electronic Information Networks, Addis Ababa, Ethiopia, June 10 – 16, 2003.
- Standing Conference of African University Libraries – Western Area (SCAULWA), Accra, November 3 – 5, 2003.
- West Africa Library Association (WALA) Conference. Accra, November 6 – 7, 2003.

Publications

- Review of Research in Information Science: An African Perspective, Edited by L.O. Aina. In African Journal of Lib. Archives and Information Science. Vol. 13, No. 2, 2003.
- Copyright and Plagiarism in Libraries in Ghana. Journal of Library and Information Science in Africa. Vol. 3, 2003. (With Mrs V. Dodoo).
- Review of Into the Information Age: Computerisation of the Copperbelt University Library Journal. Journal of Lib. And Info. Science in Africa. by Lundu, M.C. and Lungu, C.B.M. (eds.) In Ghana Library Journal. Vol. 15, 2003.

Workshops Attended

Adanu, Theodosia A.S.

- Digital Research Libraries in Ghana. May 19-20, 2003, Noguchi Memorial Institute, University of Ghana, Legon. (Rapporteur)
- Web Page Design and Authoring, leading to Library Web Pages. August 11-15, 2003, University of Botswana Library, Gaborone, Botswana.
- Web Page Design and Authoring, leading to Library Web Pages October 27th to 31st 2003. Makerere University Library, Kampala, Uganda. (Facilitator).
- Journal Access Programmes (JAPS) for African University Libraries. November 8, 2003. Erata Hotel, East Legon, Accra.
- Web Page Design and Authoring, leading to Library Web Pages. December 1-5, 2003. Balme Library, University of Ghana, Legon. (Facilitator).

Workshops / Publication

Amekuedee, J.O.

- Mr. Amekuedee attended AAU / DATAD IT training workshop at Accra on 1st and 2nd May 2003.
- Funding Library Associations in West Africa (with A.A. Alemna).
- "A critique of Ghana Library Association as a professor". Published in Journal of Librarianship and Information Science in Africa. Vol. 2 (2).

Publication

Adinku, Sarah

- Adinku, Sarah "Disaster Management and the need for Institutional Commitment at the University of Ghana" Ghana Library Journal, Vol. 15, 2003.

Publication

Armah, A.L.

- Insaadoo, A.W.K. & A.L. Armah "The Marketing strategy for effective public services in the Accra Metropolis" Ghana Library Journal. Vol. 14, 2002, p. 7 – 19.
- Secretary, Ghana Library Association (2002 – 2004).

Publication

Dodoo, Victoria

- Member of Council, Ghana Library Association (2002 – 2004).
- Copyright and Plagiarism in Libraries in Ghana Journal of Lib. And Info. Science in Africa. Vol. 3, 2003. (With A.A. Alemna).
- Libraries, Information and Nation Building in Africa. Ghana Library Journal, Vol. 15, 2003.

Publication

Boakye, Gifty

- Boakye, Gifty & Prof. A.A. Alemna "Donor Support and Sustainability: The Experience of University Libraries in Ghana."

Statistics

a. Periodicals Department

No. of titles received on subscription	344
No. of titles received as gifts (PERI)	111
No. of titles received as Legal Deposits	79
No. of titles received as Exchange	123
T o t a l	657

b. Acquisition Department

Books and Pamphlets Accessioned (in volumes)

Purchased books and pamphlets	581
Gifts	1,311

Legal Deposit	58
Exchanges	6
Total	1,956

c. The grand total book stock now stands approximately: 369,645

1.	No. of books bound for Balme Library	1,400
	Departments, Institutes and Schools of the University of Ghana	3,867
	Total number of books bound	5267
2.	No. of periodicals bound for Balme Library	200
	No periodicals were bound for Departments, Institutes and Schools of this University.	
3.	No. of Photostats boarded	60
4.	No. of pamphlets or Photostats bounded (i.e. economy binding) for :	
a.	Balme Library	80
b.	Depts., Insts & Schools of the University of Ghana	940
	Total number of items boarded	800
5.	No. of theses bound	815
6.	No. of items mended	2,500
7.	No. of newspapers bound:	
a.	Ghanaian Newspapers Hard bound	2
b.	Daily Graphic	4
c.	The Mirror	1
d.	Weekly Spectator	1
e.	Junior Graphic	1
f.	Graphic Sports	1
	No. of reels of microfilms produced	
a.	Ghanaian Newspapers - Hard Bound	42

b. Other notable services rendered were:

1. Lamination	1,010
2. Blocking	70
3. Supply of A4 Cards	900
4. Supply of Library Cards	2,160

Books to Balme Library

1. Books	131
2. Journals	130

Gifts

The Library as usual continued to receive gifts and other forms of assistance from our traditional benefactors. Principal among them were: Ghana Book Trust. The World Bank, ZED Books of London, Mr. K.B. Quantson, of Accra North, and Dr. Baffour Agyeman-Dua of Ghana Center for Democratic Development. Others are Ghana University Press, The Vice-Chancellor of University of Ghana, Legon, Mr. John Mitchell, Nana Adjowa Kwegyiri-Aggrey and Rev. Dr M.P.K. Okyerefo, Department of Sociology, Legon.

We thank them all for their invaluable gifts.

CENTRE FOR SOCIAL POLICY STUDIES (CSPS)

General overview

Since its inception in 1996, the Centre for Social Policy Studies (CSPS) has employed a variety of pragmatic measures and strategies aimed at achieving its goal of improving the lives, especially, of the vulnerable and marginalised in society through research and educational programmes. The original laudable vision of generating country data on pressing social issues to inform policy formulation has not been lost as the Centre continues to grow and develop. Rather, efforts are made at every stage of development to improve upon our past performance.

During the year under review, the Centre for Social Policy Studies (CSPS) made a conscious effort at fulfilling its mission of conducting research in all its 9 thematic areas. These are (i) The development of the child, (ii) Poverty, nutrition and household dynamics (iii) Family welfare, (iv) Health, (v) Gender and Environment (vi) Ageing (vii) Community participation and community welfare, (viii) Labour (ix) Population, Ageing and Development.

Staffing

For the 2002/2003 Academic Year the total work force of the Centre was nine.

Research Staff

1. Prof. Nana Araba Apt (Director)
BA. English/Psychology, MSW, Social Work, PhD Sociology
2. Ms. Elizabeth Abena Prempeh
BA. Sociology/Law, MPhil, Graduate Dip. Library Studies, Legon.
3. Miss Elaine Tweneboah
BSc. Botany / Zoology, Dip. Ed, MPhil Environmental Science.
4. Mrs. Mercy Ackumey BA Sociology, MA POP Studies, MPH
5. Mr William Ahadzie BA, M Sc.

Administrative Staff

1. Mrs. Dora Asomani Owusu
2. Mrs Grace Nelson Dodoo
3. Mr. Kofi Adu
4. Mr. Solomon Ampadu Frimpong

Heyward Reserve Library

The Heyward Reserve Library of the CSPS saw tremendous change in its activities during the year 2002/2003. It produced information in a variety of forms to support individual study and research. In addition to holding over 1374 volumes of printed material, including 57 current journal subscriptions, the library contains collections in other media. The library has its own website with the address being <http://www.geocities.com/cspslibrary>. This has made it possible for users to access publications of the Centre online. In 2002/2003 Academic Year, the Centre for Social Policy Studies received books from the World Bank.

Programmes and Activities

Workshop for Parliamentarians - 10th February 2003

Ghana has been experiencing an increasing spate of road traffic accidents. These accidents have claimed several lives, maimed numerous victims and have severe effects on the welfare of families. It is against this background that the Centre organized a day's workshop on Roadway Safety to sensitise parliamentarians and policy implementers on the magnitude of the problem, its impact on society, and consequently chart the way forward for policy formulation. In all, 76 participants were in attendance. They consisted of-

- Parliamentarians representing the select committees on, gender and children, roads and transport, employment, social welfare and state enterprises and health.
- Clerks from the select committees on, gender and children, roads and transport, employment, social welfare and state enterprises and health.
- Representatives from the various branches of the Motor, monitoring and traffic unit (MTTU) of the Ghana Police Service
- Representatives from the Press
- Representatives from the Ghana Road Safety Commission

- Representatives from the Ministry of Roads and Transport
- Representatives from Ghana Highways authority

Papers presented included-

- "Regional Trends and Statistics of Road Traffic Accidents in Ghana," Supt. Victor Tandoh, Commanding Officer MTTU, Ghana Police Service
- "Social and Economic Implications of Roadway Casualties in Ghana: Perspectives of a Social Epidemiologist," Richard L. Douglass (MPH, Ph.D), Professor of Health Administration, Eastern Michigan University, USA
- "Investigating Road Accidents," Dr. Lawrence Edusei, Pathologist, Department of Pathology, Korle-bu Teaching Hospital
- "Overview of Road Safety and Curbing the Incidence of Road Accidents – The role of the National Road Safety Commission", Mr. Noble John Appiah, Acting Executive Director, National Road Safety Commission (NRSC)

Research and Projects

The Research activities undertaken by the Centre in the year under review were as follows:

- Conflict Management Project funded by OXFAM, UK, in collaboration with the Belfast Interface Project in Northern Ireland. The project aimed at documenting existing local practices and processes used in intervention and management of ethnic conflicts in Northern Ghana, paying particular attention to the role of women and children in conflict situations and their role in conflict resolution. The research project started in January 2002 and ended in March 2003.
- People's Security Survey (PSS Ghana), funded by ILO Geneva for their Infocus Programme on Socio-economic Security. The research project had two main objectives:
 - To document the implications of restructuring in the context of globalization and provide guidelines to enhance socio-economic security compatible with efficiency and growth;
 - To assess the extent of poverty and income security of workers and their families, the sources of insecurity of various groups of workers in different communities and institutional gaps that impede adequate protection and provisioning.
- Survey on Attitude to Older Persons in Ghana, funded by HelpAge International African Regional Office, Nairobi. The main aim of this project was to develop and promote processes that enable older people and their families to contribute actively to data gathering and policy formulation. The research started in June 2002 and ended in January 2003.
- Indicators for Minimum Data Set on Ageing Research Project (Ghana). Funded by WHO, Geneva. A major goal for the project is to create a set of valid, reliable and timely data that illustrates the overall situation of the older population in sub-Saharan Africa. These data will be grouped into indicators that will be linked to research and policy needs. This project is on going

- Socio-economic Study of Child Domestic Workers in Ghana: A pilot survey of the Northern region of Ghana. Funded by UNICEF, Ghana. The study which began in May 2003 aims at collecting and collating information on the practice of child domestic work, children's working conditions and the circumstances leading some children into domestic labour.
- Coordinating ILO Study on Social Protection Programmes in Ghana. (Beginning in November /03).

Invited Participation on Consultancies

- Social Impact Assessment Strategy Project with KPMG (Team member)
- Mainstreaming Gender into the Ghana Poverty Reduction Strategy- commissioned by the World Bank (Team member)
- Youth Integration and Conflict in Ghana- commissioned by Actionaid Ghana (Team member)
- Evaluation of the Basic Education and Civil Society (BECS) Project in the Wassa West District being implemented by CARE International (Team member)
- Study of Complementary Education Programmes in Ghana for USAID/ CARE. (Team Member)
- Consulted for the Government of Ghana (National Development Planning Commission), to prepare the Social and Economic Development Policy for the President. (Team member)
- Management Audit carried out for the Ghana Red Cross Society (GRCS) by KPMG (Team member)

Monthly In-House Seminars

To fulfil our mandate of informing, sensitizing and educating the public, opinion leaders and/or policy makers on social policy issues with respect to Ghana, the Centre continued its monthly In-House Seminars on varying topics for the 2002/ 2003 year. Listed below are topics of papers presented at the seminars-

- "Improving Labour Productivity: the Family-Worker Factor," Mrs Queronica Q. Ahene-Amanquanor, founder Graceland Consult Limited and Family Haven
- "Our Priorities-What are they?" Ms Augusta Sena Gabianu, former Principal Secretary of the Ministry of Finance and Economic Planning, Accra, Ghana
- "Setting our National Priorities" Ms Augusta Sena Gabianu, Former Principal Secretary of the Ministry of Finance and Economic Planning, Accra, Ghana
- "Gender and HIV/ AIDS," Mrs Kate Adu-Adeku, Senior Lecturer, Department of Adult Education University of Ghana Legon
- "Role of Grandmothers in the Survival of Children with Kwashiorkor: Agenda for Reform of Public Policy" Prof. Brenda McGadney-Douglass a social worker and gerontologist; Prof Richard Douglass, a Social epidemiologist and gerontologist, Eastern Michigan University, Michigan and Prof Nana Apt, Director, CSPS, University of Ghana, Legon
- "Decentralisation and Women," Mrs Gifty Ohene Konadu, a Director at the Ministry of Women and Children's affairs.

- "Local Perceptions of Buruli Ulcer in the Ga District, Greater Accra Region," Mrs. Mercy Ackumey, Centre for Social Policy Studies, University of Ghana, Legon
- "Violence against Women: Psychological Effects of Rape on Victims," Miss Edna Aryee, Psychology Department, University of Ghana, Legon
- "Children: Our wealth. Our hope for the Future: What policy options?" Panel Discussion led by Prof. Nana Apt, Director, Centre for Social Policy Studies, University of Ghana, Legon
- "Child Domestic Work – Issues and Policy Implications: Results of a Survey of Child Domestic Workers in five Residential area in Accra", Mr. Ernest N. Appiah Institute of Statistical, Social and Economic Research (ISSER), University of Ghana, Legon
- "Coping with Unemployment in the Ghanaian household" Mrs. Susan Berdie, Director of Materials Development, Non-Formal Education Division, Ministry of Education Youth and sports, Accra.
- "The Impact of Tourism on the Coastal Zone of Ghana-Case Studies of Ada-Foah and Elmina", Miss Elaine Tweneboah, Centre for Social Policy Studies, University of Ghana, Legon

Publications

Apt, N. A.

- (2002a) "Ageing and the role of the family and the community: An African perspective" International Social Security Review, Vol. 55 No.1, pp 39-48
- (2002b) "Designing Social Policy for Africa" In: S.D Gokhale and N. Pandit (Editors) Ageing, In Search Of Identity. Aameya Publishers, Pune. Chapter 15.

Tweneboah, E.

- (2003) "Women, Coastal pollution and Health in Ada-Foah, Ghana". In: Women and Environments International 59/60
- (2002) "Women and coastal pollution in Ghana" (Unpublished article). Submitted to the African Gender Institute (AGI), University of Cape Town, South Africa.
- 2003 (Forthcoming) "Abortions at the Korle bu Teaching Hospital Accra". In: Ghana Medical Journal with Adanu, R.M.K., Kwawukumey, Y., Ntumy, M.N.

Ackumey , M. and Darkwa, Akosua

- (2003) "Confronting Global forces at the Local Level: Trade Policies and the Ghanaian Trader" CSPA Policy Briefs
- (2003) "Information Dissemination: The Role of Clearing Agents and Trade Associations" CSPA Policy Brief
- (2003) "Traders' Access to Financial Assistance from the Formal Financial Institutions" CSPA Policy Brief

Ahadzie, W.

- Azeem Vitus and W. Ahadzie (2002) in Folscher Alta ed. Transparency and Participation in the Budget Process. WB/ Idasa. Cape Town.
- Ayisi-Okyere Peace, Azeem Vitus William Ahadzie and others (2002). A First Call on Resources. Ghana Financial Commitment to Children's Rights through the 1990s. ISODEC/Save The Children. London.
- Abugre Charles, Vitus Azeem William Ahadzie (2002). Analysis of Fiscal Policy and Budgetary Allocations of the NPP Government for the 2002 fiscal year. ISODEC. Accra

Seminars/Workshops/Conferences**Apt, N.A.**

- UNFPA Expert Group Meeting on Population Ageing and Development. Valletta, Malta 29-31 October 2002

Tweneboah, E.

- "The Impact of Tourism on the Coastal Zone of Ghana-Case Studies of Ada-Foah and Elmina" Paper presentation at the Centre for Social Policy Studies (CSPS) In-house seminar 29th August, 2003.
- Workshop on Addressing the Rights of Older people in Africa- Good practice Guidelines to develop good practice guidelines for rights – based work. HelpAge International, Nairobi. 10th -12th June 2003
- Poster presentation on the Impacts of tourism on the coastal zone of Ghana. Faculty of Science Colloquium, University of Ghana Legon. 29th and 30th April 2003
- "Looking Back- Narratives of Ashanti Women in Pre-colonial and Colonial era" Paper presented at the Conference on Motherhood. Nordic African Institute, Sweden & Cheikh Anta Diop University Senegal. 15th - 20th February 2003.
- Stakeholders meeting on the Demographic and Health Survey And the Maternal Mortality Study in Ghana Novotel Accra 29th January 2003
- Developing a Network on Food Security in Ghana. Action Aid (Ghana) Miklin Hotel Accra. 19th December 2002
- Millennium Development Goals (MDG) Final Draft Country report. September 2002 Karma Health Centre Accra

Ackumey, M

- Seminar for students from the Centre for Globalisation and Sustainable Development, Earth Institute - Colombia University USA. A group of students from the Earth institute, Colombia University visited Ghana, from the 22-28 February 2003. This visit, which constituted part of their project work, afforded them the opportunity to learn at first hand the following:
 - Ghana's attempts at disaster management with particular reference to fire outbreaks, earthquakes, floods etc.
 - Urban planning and development and its associated problems
 - Management of solid and liquid waste.

Ahadzie, W.

- Democratising Fiscal Policy-making: Holding Public Officials to Account Paper presented at the International Conference on Decentralisation and Community Empowerment organised by the World Bank Institute (WBI) and the Association of Local Governments of Kenya.
- "Women's Access to Rural Infrastructure Services. How Real?" Represented Prof Apt to present the Paper on at the International Workshop on Rural Infrastructure Services for Poverty Reduction in Dar Es Salaam in June 2002. Organisers: WBI and SADC.
- Facilitator of the International Training of Trainers' Workshop on Community Driven Development organised by the World Bank Institute in Kampala in August 2002
- Facilitator of the Distance Learning Course for on Community Driven Development for six African countries organised by WBI at GIMPA in September 2002.
- Participated in the Brainstorming Workshop for the preparation of a Social Development Policy Framework to regulate the future operations of the World Bank in Washington DC in October 2002.

ENVIRONMENTAL SCIENCE PROGRAMME

Overview

The M. Phil. Programme in Environmental Science (ESP) continues 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. During the academic year under review, a total of 21 students were admitted into the programme. Approval was given by the Academic Board to run the Ph.D degree in Environmental Science with effect from the 2003/2004 academic year. Dr. P.K. Ofori-Danson, a Senior Lecturer from the Department of Oceanography and Fisheries Department who has been teaching Fisheries Resource Management in the Programme, took over from Professor Chris Gordon as the Co-ordinator with effect from 1st July 2003.

Courses

The ESP is a multidisciplinary graduate programme run by the Faculties of Science, Social Studies, Agriculture and Law. The ESP continues to be coordinated from the Office of the Dean, Faculty of Science. The Various courses offered by the ESP were as follows:

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	7
M. Phil. Part II Environmental Science	14

Staffing Positions

The Environmental Science Programme has no permanent teaching staff. Staff are mainly invited from the Faculties of Science, Agriculture, Social Studies and Law. In addition non-University teaching staff provide their services as Part-Time Lecturers. During the academic year under review the staff was made up of the following personnel:

Staff from Faculties within the University

Name of Lecturer	Course Code & Title
Dr. K. Oduro-Afriyie	ESCI 601: Air (Part of Air, Soil & Water Quality)
Prof. S.KA. Danso	ESCI 601: Soil Quality (..)
Dr. D. Carboo	ESCI 607: Environmental Chemistry
Dr. S. Agyei-Mensah	ESCI 603: Human Population & Urbanisation
Dr. G. Wiafe	ESCI 609: Coastal Zone Management
Dr. P.K. Ofori-Danson	ESCI 609: Fisheries Resource Management
Prof. C. Gordon	ESCI 609: Freshwater Biology
Dr. A. B. Asiedu	ESCI 606: Environmental Impact Assessment
Mr. K. Gyan	ESCI 604: Environmental Law
Dr. D.K. Attuquayefio	ESCI 612: Forest Resource Management (Part of course)
Prof. K. Budu-Laryea	ESCI 612: Forest Resource Management (..)
Prof. L. Enu-Kwesi	ESCI 612: Forest Resource Management (..)
Rev. Dr. S. Asuming-Brempong	ESCI 602: Environmental Economics
Dr. F. Nyame	ESCI 610: Environmental Geology

Part-Time Lecturers

Name of lecturer	Course code & Title
Dr. J.A. Ampofo	ESCI 609: Microbiology (Part of Water Resource Management)
Mr. S.A. Larmie	ESCI 601: Water Quality (Part of Air, Soil & Water Quality)

Research

The nature of the ESP requires that research be oriented in the direction of the theses areas of the M. Phil. Part II students. These areas/titles and research areas were follows:

- 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 Schistomiasis 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 & Kwabirim 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 Kwabirien 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 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 and Water Bodies at Akyapin in the Wassa West District of the Western Region, Ghana.

Benefactors

The ESP is grateful to the VRA and the Wildlife Division 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.

INTERNATIONAL PROGRAMMES OFFICE

Overview

The Office of International Programmes is tasked among others, to promote and co-ordinate all the University's external relations, including international students, Fulbright Scholars, staff and student exchange and external staff training programmes. It is to portray the University positively to the outside world to attract both human and monetary and physical investment.

The Office of International Programmes is located on the First Floor, Right Wing of the K.A.B. Jones-Quartey Building, (near the Faculty of Law) close to the main entrance of the University of Ghana.

The International Programmes Office continues to see an increase in the number of international collaborations, student exchanges, short-term (inter-semester) programmes as well as general interest in the University by various international institutions, persons and bodies. The addition of staff has resulted in a great improvement in the administration of the office, which has resulted in better coordination and facilitation of both existing and new collaborative ventures with international institutions and bodies.

Staffing Position

Dean

Assistant Registrar/Manageress (Int. Students' Hostel)

Acting Manager (Jubilee Hall)

Senior Administrative Assistant

Administrative Assistant

Accounting Assistant

2 National Service Personnel

Chief Porter (Int. Students' Hostel)

Drivers (2)

Messenger/Cleaner

The International Students' Hostel and Jubilee Hall have in addition 12 Porters, 1 Electrician, 2 Laundry- men and 24 Cleaners.

The Office of International Programmes is the sole statutory University body that handles the formal legal links with outside universities and institutions. A fundamental part of the process is the signing of Memoranda of Understanding between the University of Ghana and the external body, which spells out the conditions of the agreement, financial implications as well as reporting mechanisms. The term of the MOU is usually five years. Currently the University of Ghana has signed agreements with 138 institutions and organisations from countries like Japan, Canada, Norway, the UK, France, Denmark, West Indies, Germany, the Netherlands, China, Hong Kong Spain and Australia.

Some of these are:

Council for International Educational Exchange (CIEE), USA

State University of New York (SUNY) @ Brockport, USA

University of California, USA

Indiana University, USA

International Student Exchange Programme (ISEP), USA

Tufts University, USA

Swarthmore College, USA

North Carolina State University (NCSU), USA

University Studies Abroad Consortium (USAC), USA

University of Missouri, USA

Elon University, USA

Calvin College, USA

Fisk University, USA

SOKA University, Japan

University of Guelph, Canada

Brock University, Canada

University of Alberta, Canada

La Trobe University, Australia

Agricultural Research Organisation, Israel

Convergence of Sciences Research Project, The Netherlands

Norwegian Council for Higher Education, (NUFU), Norway.

Registered International Students

The Office yearly receives students registering for full degree programmes (Regular students) and visiting students who register to study for a semester or two (Special Admission students).

There continues to be an increasing number of both regular international students as well as special admission students.

In line with the importance the University of Ghana attaches to the cross-cultural experience that is made possible by the presence of foreign students on its campus,

this Office continues to see an increase in the admission of Regular Foreign students as well as Special Admission students

Regular Students

This group of students registered for full-time studies are predominantly from other African countries mainly Nigeria, Botswana, Namibia, Malawi, Liberia, Benin, Cote D'Ivoire, Togo, Gambia, Burkina Faso, Kenya and Sierra Leone as well as other foreign nationals from China and Turkey.

Breakdown by Country

Country	Number of Students
Benin	5
Botswana	7
Burkina Faso	4
China	3
Gambia	1
Ivory Coast	4
Jamaica	1
Kenya	12
Liberia	4
Lybia	1
Malawi	3
Namibia	8
Nigeria	87
Sierra Leone	8
Somalia	1
Togo	5
Turkey	1
Total	155

Breakdown by Programme

Programme	Number of Students
English Proficiency	14
B.A	45
B.Sc	47
Admin	25
B.Sc Agric	5
M.Phil	5
M.A	8
Medicine	6
Total	155

Special Admission Students

The special admissions programme continues to attract an increasing number of students each semester. A lot of interest continues to be shown in the University, by the recognised groupings mainly from American Universities and of late, also by individual students from various parts of the world.

Students continue to enjoy their stay at the University sharing in the rich experience by spending a semester or two on the Legon campus.

The breakdown of Special Admission Students for the year under review by the various groupings was as follows:

Programme	Semester	
	1st	2nd
Council for International Educational Exchange (CIEE), USA	40	31
State University of New York (SUNY) at Brockport	14	7
University of California	40	13
Indiana University	4	14
International Student Exchange Programme (ISEP), USA	14	14
Tufts University	3	Nil
Swarthmore College	Nil	1
North Carolina State University (NCSU)	5	4
University Studies Abroad Consortium (USAC)	8	8
University of Missouri	6	Nil
SOKA University, Japan	2	2
University of Guelph, Canada	2	1
Brock University, Canada	1	Nil
Elon University, USA	1	1
Fisk University, USA	Nil	3
University of Alberta, Canada	Nil	9
Calvin College, USA	10	Nil
La Trobe University, Australia	Nil	2
Independent Students	14	14
Total per semester	164	124
Grand Total		278

Short-Term (Summer/Winter) Programmes

There continues to be an increased interest in the University of Ghana by various universities, mostly American, for the running of short-term programmes during the inter-semester breaks.

These groups run their specially packaged programmes for their students, usually with the involvement of Legon faculty members.

Six visiting institutions registered and run programmes during the year under review. These were: Elon College, Duke University, Ohio State University, North Carolina State University (NCSU), Eastern New Mexico University and the University Studies Abroad Consortium (USAC), all from the United States.

Unfortunately not all such programmes register with the Office much as the office has tried to encourage faculty members consulted to assist with such programmes to have them regularised.

Student and Faculty Exchanges from the University of Ghana

As part of the exchange arrangements between the University and some American institutions including Tufts University, North Carolina State University (NCSU), and the International Student Exchange (ISEP) Programme, the International Programmes Office in collaboration with the Graduate Centre sent the under-listed graduate students on the programmes against their names for the full academic year.

They were:

1.	Anastasia Ocran	MPhil (Biochemistry)	Tufts University
2.	Edward Koomson	MPhil (Environ. Science)	"
3.	Emmanuel Debrah	PhD (Political Science)	NCSU Programme
4.	O-Achamfour, C.	MPhil (Sociology)	ISEP Programme
5.	Janet Kwami	MPhil (Comm. Studies)	ISEP Programme
6.	Bernard Wiredu	MPhil (Chemistry)	ISEP Programme

The Office in consultation with the Vice-Chancellor also sent 3 Faculty members on exchange to two partner universities as follows:

1. Dr. E. Quarcoo - Dept of English - University of Missouri for one semester
2. Mrs Alexina Arthur – Dept of Modern Languages – Indiana University and
3. Dr. Kodzo Gavua – Dept of Archaeology – Indiana University both for-one year.

Association of Commonwealth Universities - Commonwealth Universities Study Abroad Consortium (CUSAC) Bursary.

Once again the University of Ghana benefited from the CUSAC bursary awards and the Office in consultation with Deans of the various Faculties was able to send the under-listed undergraduate students (Level 400) to the Commonwealth Universities indicated against their names for the second semester of the 2002/2003 academic year. They were:

1.	Lawrence Akosen	Dept. of Information Studies	University of Guelph
2.	Seth Bavon	Dept. of Agric. Economy	"
3.	Kwesi Asare-Bekoe	School of Administration	Brock University

All the students have since returned home.

Visitors

There continues to be a steady increase in the number of delegations and representatives of several bodies and institutions interested in entering into one collaborative venture or another with the University of Ghana.

The Office during the year under review received several visitors

Several individual representatives as well as delegations representing a host of institutions, mostly American, visited the University. These included delegations from the Netherlands, University of Hanover, Germany, University of Leeds, England, Gothenberg University in Sweden, Carleton University, Canada.

There were visits from several U.S. universities including Iowa State, Michigan State, Central Connecticut State, South Dakota State, North Carolina State, Illinois State Tufts, Cardinal Stritch, John Jay College of Criminal Justice and Calvin College.

The International Programmes Office continues to make every effort to streamline and improve the existing international programmes of the University and more importantly to better expose the University of Ghana positively to prospective international partners.

Responsibility for Jubilee Hall

With the opening of Jubilee Hall for student occupancy, the Office was given the added responsibility of directly managing the new Hall. The Office saw to the allocation of rooms, and the settlement of students and newly recruited staff into the Hall. The Office continues to have responsibility for the Jubilee Hall.

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, (c) The work with the Parliamentary Committee on Foreign Affairs, (d) Peacebuilding Training Programme and (e) Preparations for (i) Outreach Programme in Winneba, Cape Coast, Kumasi, and (ii) Negotiations Workshop.

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, 38 students were admitted to M.A. (International Affairs) programme, 18 males and 20 females. The distribution of students by departments or institutions is as follows: Ministry of Foreign Affairs 8, Ghana Armed Forces 1, Customs Excise and Preventive Service 1, Ghana Immigration Service 1, Office of the President 2, Attorney General's Department 1. The number also include 5 Foreign Students.

The approved link programme for Ghana Armed Forces Command and Staff College is into the fourth year. The 2000- year group graduated recently in a colourful ceremony at the Ghana Armed Forces and Staff College. The 2003/2004 batch is made up of 16 students, 12 Ghanaian officers, 1 Botswana, 1 Uganda, and 2 Nigerian officers.

M.Phil. Programme

The Centre has started its M. Phil. Programme this academic year. Eight students are involved in the programme. They were selected based on their academic performance in the M.A. Programme. The class is made up of four ladies and four gentlemen.

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, USA. Prof. Lehlohonolo Tlou. Prof. Tlou is in the process of taking up a permanent appointment with the Centre.

Mr. E.K. Ahorsu, Research Fellow, is also on study leave with Pay and Dr. B.Y.D. Gebe is on a lecturing tour in the USA. The position vacated by Dr. Douglas Zormelo is yet to be filled.

The number of part-time lecturers now stands at 16. Apart from two, the rest are from departments in the University. This underscores 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). Two general training and two training of trainers' programmes were held at Legon in the period under review, January – February and May – June 2003 the last academic year. These training programmes were very successful.

Two other Training Programmes were held for the United Nations Mission in Ethiopia and Eritrea.

The programme was initiated by the Special Representative of the Secretary General of the UN to Ethiopia/Eritrea. These training activities held in Addis Ababa and Asmara in July and October respectfully also proved to be successful. Funds are now being expected for year 2 of the Programme.

Special Training Programme

The Centre organized a ten-week Special Training Programme for eleven (11) Assistant Research Officers of the Research Department of the Ministry of Foreign Affairs. The Training started in mid-May and ended in July 2003.

Conferences/Seminars

These seminars are part of the teaching programme of the Centre. Participation is compulsory for all LECIA and GAFSC students. They are open to members of the University generally and Staff of the Ministry of Foreign Affairs. The seminars were held during the First and Second Semesters of the Academic years as follows.

2nd Semester

Mr. Justice George Lamptey, Retired; Supreme Court Judge: The Perceived Corruption of the Judiciary and the Administration of Justice.

Mr. David Queen, Public Relations Officer; US Mission in Ghana: The main issues in the Recent State of Union Address by President Bush (19 Feb., 2003)

H.E. Mr. Arie Van Der Viel, Dutch Ambassador to Ghana: The Dutch Development Co-Operation in West Africa: The Case of Ghana.

Dr. Samuel Ashong, Centre for Policy Analysis (CEPA) Accra: Reflections on the 2003 Budget Statement of the NPP Administration.

Hon. Mr. Kwadwo Adjei-Darko; Minister of Mines: Exploiting Ghana's Mineral Resources in a Friendly Environment.

Hon. Kofi Konadu Apraku; Minister for Trade and Industries: Africa's Growth and Opportunity Act (AGOA) Ghana: The Opportunities and Challenges.

Dr. Yao Graham, Head, Third World Network, Accra: WTO, Emerging Issues, Challenges and Prospects.

Ambassador Ibrahim Omar of Palestine and Dean of Diplomatic Corps.: The New Political Road Map for the Middle-East-The Challenges.

Mrs. Elizabeth Joyce Villars, President, AGI Accra: The AGI and Ghana's Economic Development; Challenges and the way forward.

Dr. Mike Ojo; Managing Director, West African Monetary Institute (WAMI): A Common Currency for the Sub-Region-Challenges and the way Forward.

1st Semester

Hon. Elizabeth Ohene; Minister for Tertiary Education: Funding Tertiary Education in Ghana: The Issues and the Way Forward.

Dorothea Groth; Counsellor Development Cooperation, Embassy of Rep. Of Germany: Germany's Foreign and Development Policy towards Africa with special reference to Ghana.

Ambassador Donald K. Steinberg, US State Dept.: Post with Particular reference to Africa .

Hon. Kofi Apraku (MP); Minister of Regional Integration: The New Partnership for Africa's Development (NEPAD), A Pre-requisite for Regional Integration.

Hon. Nana Akuffo-Addo (MP); Minister for Foreign Affairs: Intra-State Conflicts in West Africa and the need for rapid Response ECOWAS Initiatives: The case of Cote D'voire and Liberia.

H.E. Rodley Pullen; British High Commissioner to Ghana: Britain's Foreign Policy towards West Africa with particular reference to Ghana.

Mr. Adama Dieng, Registrar, Rwanda War Crimes Tribunal: Rwanda War Crimes Tribunal – The Objectives and Lessons for African Leaders.

Prof. Ernest Aryeetey; Director ISSER, Univ. of Ghana Legon: Foreign Aid and International Relations: Does Tying Aid make it more costly?

Mr. Richard Kaminski; Political Officer, US Embassy Accra: The International Criminal Court (Rome Treaty of 31st Dec. 2000): The Underlying Reasons for US Disenchantment.

H.E. Jean-Pierre Bolduc; Canadian High Commissioner, Ghana: Canadian Foreign Policy towards West Africa with Reference to Poverty Alleviation: The Case of Ghana.

Conference

Part of the Centre's mandate is to provide public education on international affairs to the general public as well as Foreign Service establishment. To this end, a workshop on TECHNIQUES OF NEGOTIATION FOR DIPLOMATS was JOINTLY ORGANISED BY THE LEGON CENTRE FOR INTERNATIONAL AFFAIRS (LECIA), THE NATIONAL INSTITUTIONAL RENEWAL PROGRAMME (NIRP) and THE UNITED NATIONS DEVELOPMENT PROGRAMME (UNDP) at Chances Hotel, Ho V/R on 20-22nd December 2002.

The Objectives of this workshop were:

- 1) to impart basic negotiation techniques, and
- 2) to sharpen negotiation skills of the core of Ghana's Foreign Service operations.

Participation was from: Government, Ministry of Foreign Affairs (all ranks), Ghana Armed Forces, Media practitioners, Ghana Immigration Service, Ministry of Finance, Commission on Human Rights and Administrative Justice, Institute of Democratic Governance and Ghana Police Service.

Publication:

The Centre in collaboration with GOG/UNDP/NGP published proceedings of the workshop "TECHNIQUES OF NEGOTIATION FOR DIPLOMATS"

VOLTA BASIN RESEARCH PROJECT (VBRP)

Overview

Fellows of the Volta Basin Research Project have continued with their basic individual research and extension activities in the Volta River Basin. Two projects that emanated from the just ended Lower Volta Environmental Impact Studies (LVEIS) have been on-going. The provision of water for Adidome in the Volta Basin has received support from VRA and GTZ. The Lower Volta Ducks Project also continue to receive support from Heifer International, an NGO while The Project on Use of Aquatic Plants for Compost Production is receiving support from the Government of Ghana. Fellows of VBRP have also continued with teaching and research activities in their departments of attachment. Prof. C. Gordon has been appointed the Dean of International Programmes. Mrs. C. Amoah continued to serve as Chairperson of Board of the Community Water and Sanitation Agency, and as Co-ordinator of the National Young Water Professional Programme of the Stockholm International Water Institute (SIWI).

Staffing Position

Three new Research Fellows were appointed to VBRP and attached to various departments to fulfil their teaching obligations. They included:

Mrs Dzidzo R. Yirenya-Tawiah (Department of Zoology),
Mr. Samuel Addo (Department of Oceanography and Fisheries) and
Mr. Jesse S. Ayivor (Department of Geography and Resource Development).

The VBRP staff strength during the period under review was 24, made up of:

Associate Professors	2 (One on retirement contract)
Senior Research Fellow	1
Research Fellows	7
Chief Technicians Draughtsman	3
Technicians	3
Research Staff	2
Secretarial Staff	4
Drivers	2

Mrs C. Amoah, a Senior Research Fellow of VBRP has been appointed the new Project Secretary while Prof. S. G. K. Adiku of the Department of Soil Science took over as the Chairman of the Management Board.

Teaching

VBRP Research Fellows continued to teach academic courses and supervise students dissertations in their various departments of attachment as indicated below:

Amatekpor, J. K. (Department of Soil Science)

Teaching:

Soil 303: Soil Morphology and Classification

Soil 407: Soil Genesis, Classification & Survey

Soil 414: Special Topics (Pedology)

Soil 691 & 692: Graduate Seminars I & II

Examiner: M.Phil Thesis. University of Environmental Science Program

Amoah, C. (Department of Botany)

- BOTN 417: Microbiology
- BOTN 414: Economic Botany
- Level 500: Medical School, Junior Clerkship in Community Health: class of 2006
- ESCU 601: Water Resource Management
- Supervised three undergraduate dissertation projects
- Supervised one Environmental Science Post Graduate Project Work
- Served on M.Phil Supervisory Committee in the Department of Botany
- Examiner of six M.Phil Environmental Thesis Science

Darpah, G .A. (Department of Oceanography and Fisheries)

- Supervised two MPhil dissertations supported by VRA/ University of Ghana Research Centre:
- Growth responses of the pink shrimp, *Penaeus notialis* (Perez Farfante) to protein enhanced diets.
- Studies on the growth pattern of penaeid shrimp *Penaeus notialis* (Perez Farfante) in ponds manured with chicken droppings

Gordon, C. (Department of Zoology)

- ESP1 609: Water Resource Management
- ZOOL 411: Freshwater Zoology
- Supervised two MPhil Theses

Ofori, B .D. (Department of Geography and Resource Development)

- GEOG 103 - Introduction to Human Geography
- GEOG 102 - Introduction to Mapwork
- GEOG 104 - Geography of the Tropical World
- Supervised 9 under-graduate students' projects

Tonah, S. (Department of Sociology)

- SOCI 305 Quantitative methods in social research
- SOCI 508 Transformation of rural institutions

Annang, T.Y.

- Biol. 101: Interactions in Nature

Yirenya-Tawiah, D. R.

- BIO - 103 Human Physiology
- BIO - 601 Biology of Parasites

Addo, S.

- OCFS 328 Fish diseases and pathology

Research / Extension**Amatekpor, J. K.**

- Provided pedological data on specified areas as requested by researchers and farmers.
- External Examiner for some Ph.D. and M.Phil Thesis for KNUST
- External Assessor of Promotional Papers for KNUST and CSIR
- Reviewer of Scientific Papers for publication in (a) W.A.J. APPLIED Ecology, (b) G.J. Agric. Science, etc.
- Pedological characteristics of soils at the Ghana-Israeli Drip Irrigation Project Site (Dept. of Soil Science Project).
- Soils and Land-Use in the proposed Bui Hydroelectric Power Project Area.

Amoah, C.

- Bacteriological quality of fresh and canned vegetables
- Bacteriological flora of fresh and processed clams and its implications
- Purification of drinking water using a local plant *Moringa oleifera*
- Follow-up on research project selected for Implementation by VRA on *Moringa oleifera*
- Environmental baseline studies in mining area
- Review of scientific papers for African Journal of Science and Technology
- Review of scientific papers for West African Journal of Applied ecology
- External assessor for Research Grade Promotion, C.S.I.R.

Darpah, G .A.

- Research work during the period covered the development of the 'exotic' *Penaeus monodon* that has currently been established in the Gulf of Guinea and in the Volta estuary. In this research, the culture potential of this economically important shrimp species is evaluated at three levels:
 - * Ecotope preferences (emphasizing the ecology and biology of the shrimp species)
 - * Competitive interaction with two locally occurring shrimp species, *Penaeus notialis* and *P. karathurus*
 - * Nutritional requirements (based on natural feed and prefabricated feed derived wholly from locally available feed stuffs)
- Results from the Volta River Authority/ University of Ghana Aquaculture Research station continues to be made available to prospective entrepreneurs in shrimp culture and tilapia culture free of charge.
- Offered advice on site selection and pond construction, under the local conditions to prospective small-scale entrepreneurs.
- Field training of undergraduate and postgraduate Marine Biology and Aquaculture students of the Zoology Department and Oceanography and Fisheries Department respectively, at the VRA/VBRP Fisheries Research Centre (Ada)

Gordon, C.

- Integrated Water Resource Management
 - * Pipe borne water quality in western Accra
 - * Environmental characterization 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.

Prof. Gordon continues to serve on various Boards and Committees including:

- Chair, UNESCO-IHP Steering Committee on the Humid Tropics (Africa),
- Co-ordinator of the ITTO Global Mangrove Database and Information System.
- Chair, Wetlands 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 Member, Steering Committee for the Biodiversity Working Group. (SIL).
- Member, Committee on Limnology in Tropical Countries. (SIL).
- Member, Wetlands International, Board of Directors.
- Member, Wetlands International, Executive Committee.
- Member, Wetlands International, West Africa Steering Committee.
- Member Scientific Committee Africat Project Land Ocean Interactions in the Coastal Zone (LOICZ, IGBP).
- Vice-President, Wetlands International.
- Lead Author, Millenium Ecosystem Assessment Scenarios Working Group: Implications for Wetlands.

- Member, Executive Committee of Commonwealth Universities Study Abroad Consortium (CUSAC).

Ofori, B .D.

- Continued with the implementation of the Lower Volta Ducks Project (LVDP) in the Volta Delta (A collaborative programme between VBRP and Heifer International – Ghana, an NGO).
- Data gathering for technical publication in respect of LVDP is on-going.
- Initiated studies into the “Locational pattern of filling stations in the Accra Metropolitan Area”.
- Completed research work on the 'Mat weaving industry in the Lower Volta Basin'; technical paper published.

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 work in the Dangbe West District. Support for small-scale farmers and livestock producers. Support for cash crop (mango and cashew) production.

Annang, T. Y.

- Research on the use of aquatic plants (Macrophytes) in producing compost (organic manure) as a tool for managing the proliferation of aquatic plants in the Lower Volta Basin. Support for this is provided by Ghana Government.
- Ecology of freshwater algae in the Densu river basin.

Yirenya-Tawiah, D. R.

- Investigating the problem of genital Schistosomiasis in women in the lower Volta basin (On going)
- Executive Secretary, Glofound Dev't, Organisation

Addo, S.

- Fisheries and aquaculture research, VBRP Fisheries, Hydrobiology and Land-use Research and Development Centre, Ada.

Ayivor, J. S.

- Research on access to reeds for mat weaving in the Lower Volta basin
- Sustainable management of mangrove ecosystems: Ghana case study
- Inventory of wetlands in Ghana
- Post-dam agroecological challenges of the Lower Volta Basin
- Data entry at the Global Database and Information System (GLOMIS) Regional Centre for Africa, Centre of African Wetlands, University of Ghana, Legon, Ghana.
- Administrative duties at the VBRP Secretariat

Publications

Amatekpor, J. K. and G. N. Dowuona.

- 2003. Soil Suitability for Multipurpose Agricultural Enterprise. Dept. of Soil Science Pub. No. 001/2003.
- Amatekpor, J. K., Dogbetor, W.H.K. and Dowuona, G.N.) 2002. Pedological differences in a Cambisol in the Lower Volta Floodplain. Proc., of the 16th AGM OF THE Soil Science Society of Ghana, pp 27-39.

Gordon, C., with S. Baba, M. Kainuma, J.S. Ayivor, F. Dahdouh-Guebas

- The Global Mangrove Database and Information System (GLOMIS): Present Status and Future Trends. In: Vanden Berghe E., M. Brown, M. Costello, C. Heip, S. Levitus, P. Pissierssens (Eds) pp. Proceedings of 'The Colour of the Ocean Data' Symposium, Brussels 25-27 November 2002. Paris UNESCO/IOC, VLIZ, 2004. Pp 3-14 (IOC Workshop Report, 188) (VLIZ Special Publication, 16).

Gordon, C., Battley, P. F., Poot, M., Wiersma, Popko., Ntiamoah-Baidu, Y., and Piersma, T.

- Social Foraging by Waterbirds in Shallow Coastal Lagoons in Ghana. Waterbirds 26(1) 26-34. 2003.

Gordon, C. with Tweneboah, E.

- 'Visions for the Future: Women in Integrated Coastal Zone Management in Ghana: A Case Study of Ada-Foah'. People and the Sea II: Conflicts, Threats and Opportunities. 2003.

Gordon, C.,

- Aquatic Resource Management and Freshwater Ecosystems in West Africa. In Crisman, T., Chapman, L., and Chapman, F., FW University of Florida Press, Gainesville Florida.

Amoah, C. M., with Odamtten, G. T.

- A three-year study of the bacteriological quality of water and calm (*Galatea paradoxa*) from the Lower Volta Basin (In Press)

Ofori, B. D.

- Global International Water Assessment – Volta Basin, Sub-region 42., et al (March 2003).
- "Exploitation and Utilisation of Community-based Wetland Reeds and Sedges in the Changing Economy of the Lower Volta Basin" Bulletin of the Ghana Geographical Association., No. 22 pp 90-100 (July 2000).

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 Co-operation (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)

Addo, S.

- Aspects of the reproductive studies of cichlids associated with the 'Acadja' system of the Keta Lagoon. Journal of Ghana Science Association (in press).
- Food preferences of cichlids associated with 'acadjas' and open water of the Keta Lagoon. Journal of Ghana Science Association (in press).

Ayivor, J. S., with S. Baba, C. Gordon, M. Kainuma, F. Dahdouh-Guebas.

- The Global Mangrove Database and Information System (GLOMIS): Present Status and Future Trends. In: Vanden Berghe E., M. Brown, M. Costello, C. Heip, S. Levitus, P. Pissierssens (Eds) pp. Proceedings of 'The Colour of the Ocean Data' Symposium, Brussels 25-27 November 2002. Paris UNESCO/IOC, VLIZ, 2004. Pp 3-14 (IOC Workshop Report, 188) (VLIZ Special Publication, 16).
- Ayivor, J. S. with Porter, G. Power., Process and Relationships of Access: Obtaining Reeds for Mat Making in the Lower Volta Basin of Ghana. Geographical Journal. Durham University. (Forthcoming)

Conferences/Seminars/Workshops

Amatekpor, J. K.

- 18th AGM of the Soil Science Society of Ghana GIMPA, Accra, July 27-Aug. 2, 2003.

Amoah, C.

- Stakeholders workshop on "Private Sector Support through Voucher System", Novotel, Accra 28th January 2003
- Second National Seminar on District Assemblies and Community Contribution towards the capital cost of the provision of water facilities. GIMPA, March 2003.
- Community Water and Sanitation Agency Mid-Year Review. Busua Beach Resort 22nd -25th July 2003
- Workshop on "Promoting corporate Governance in the Public Sector" Volta Hotel, Akosombo 6th -9th August 2003

Gordon, C.

- Regional Workshop on Education and Public Awareness on Wetlands (Wetlands International), Dakar, Senegal, 18 –20 September 2002
- International Conference on Preparation of Draft Code of Conduct for the Sustainable Management of Mangrove Ecosystems in Africa. Centre for African Wetlands, University of Ghana, Legon, Accra. Organized by ISME / cenTER Aarhus, with the support of the World Bank. 17th -19th February 2003. Presented a paper with J.S. Ayivor titled: "Key issues on mangroves: Ghana case study"
- Stakeholders' Workshop on Strategic Plan 2004-2008 of the International Water Management Institute (IWMI), SEPRI - CSIR, Accra, 9th October, 2003
- Sixth Pan-African Committee (PACOM) for START (System for Analysis, Research and Training. Addis-Ababa 4-6th December 2003.

Ofori, B .D.

- "National Conference on Bushmeat Crisis in Ghana". Conservation International (CI), M-Plaza Hotel, Accra, 28-28 August 2002.
- "Tenth Congress of the African Association for Biological Nitrogen Fixation" GIMPA, Accra, 28 October 2002.
- "Securing Land Rights in Ghana". Institute of African Studies, Legon. 08 August 2003.
- "Water Conservation for Poverty Reduction and Sustainable Development". CSIR Water Research Institute, STEPRI, Accra, Accra, 12 August 2003.

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.

Annang, T. Y.

- Workshop on Building Consensus on Research Priorities on Water and Food in the Volta Basin. CGIAR Challenge Programme on Food and Water, Bay View Hotel, Accra. 17th July 2003.

Yirenya-Tawiah, D. R.

- Faculty of Science Colloquium, University of Ghana, Legon. Biochemistry Department Annex, April 29-30, 2003..
- Noguchi Memorial Institute Annual Research Meeting, 2003.

Addo, S.

- Training course on Fish Pathology and Environmental Management of Aquaculture. National Fisheries University, Shimomoseki City, Japan. Aug. 18 – Nov. 25, 03
- Stakeholder's workshop on ecosystem approach to coastal management, Department of Oceanography and Fisheries, University of Ghana. Jan. 09, 2004.

Ayivor, J. S.

- Stakeholders' Workshop on Strategic Plan 2004-2008 of the International Water Management Institute (IWMI). SEPRI - CSIR, Accra, 9th October, 2003.
- Stakeholders Meeting on measures to save the Mangroves wetland opposite La Beach Hotel and the way forward towards the development of the tourism potential site. Organised by Wildlife Division of the Forestry Commission. 7th August 2003.
- Workshop on Building Consensus on Research Priorities on Water and Food in the Volta Basin. CGIAR Challenge Programme on Food and Water, Bay View Hotel, Accra. 17th July 2003.
- Regional Conference on Wetlands of West Africa. AGRHYMET Regional Centre, Niamey, Niger. Organized by IUCN, 31st March -2nd April 2003. Presented a paper titled: "Ecosystems Management and Development: The Case of the Volta Dam".
- International Conference on Preparation of Draft Code of Conduct for the Sustainable Management of Mangrove Ecosystems in Africa. Centre for African Wetlands, University of Ghana, Legon, Accra. Organized by ISME/ CENTER Aarhus, with the support of the World Bank. 17th -19th February 2003. Presented a paper with Prof. C. Gordon titled: "Key issues on mangroves: Ghana case study".

Benefactions

Heifer International is, through VBRP, supporting duck/geese raising among 100 households in the island Communities of the Volta Delta.

DEPARTMENT OF SOCIAL WORK

Overview

The New Department

The history of Social Work Education at the University can be dated back as far as 1955. It started as a Diploma programme 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 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 courses. On this date Social Work became autonomous from Department of Sociology. With increase in staff and student numbers and introduction of M.Phil programme in the 2003/2004 academic year serious consideration needs to be given to the expansion of the present accommodation facilities of the two-year old Department. During the year under review some administrative staff transfers were effected by the Personnel Office. A Principal Administrative Assistant from Mensah Sarbah Hall, Mr. Nicholas Asuming was transferred to the Department. The Typist Grade I staff of the Department Ms. Edith Kosipa was transferred to Mathematics Department and replaced by a Clerk Grade I, Ms. Josephine Atandzi from Sociology Department. Mr. Vincent Donkoh, the Department's Library Assistant completed his Bachelors degree programme and has since assumed duty. The Administrative staffs are choked in a limited office space. New secretarial equipments or facilities are required to ease their work. With regards to academic staff position of the Department, three new appointments were made during the academic year to augment the situation. This brings the total number of full-time teaching staff to eight (8) two of whom are on study leave. Their efforts are being supported by seven (7) Part-time lecturers.

The Department 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. Consequently, the B.A. degree programme has been revised to take off in Level 100 from the 2004/2005 academic year. The M.Phil programme has taken off in earnest this academic year (2003/2004).

Courses

The courses offered by the Department at the undergraduate, Diploma and graduate 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 (8 Weeks)
SOCI 305	Quantitative Methods in Social Research
SOCI 306	Research Methods

Electives

SOCI 303	Social Psychology
SOCI 307	Rural Sociology
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) Two (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 (8 Weeks)
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) Two (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

Note:

Long Essay is optional in both undergraduate and Diploma Programmes. Students who do not offer long essay project are required to offer two other courses of 6 credits

Masters in Social Work (M.PHIL)

Year One

Core

SOWK 601	History of Social Work and NGO Development
SOWK 602	Human Resource Development
SOWK 603	Strategic Planning for Social Welfare
SOWK 604	Strategic Planning for Community Development
SOWK 605	Social Issues in Contemporary Ghana
SOWK 606	Research and Evaluation Methodology in Social Work
SOWK 616	Applied Social Work (8 Weeks Fieldwork)

Electives

SOWK 607	The African Family and Social Transformation
SOWK 608	Culture, Gender and Development
SOWK 609	Work with Children and Youth
SOWK 610	Ageing and the Life Cycle
SOWK 611	Community Mental Health
SOWK 612	Reproductive Health
SOWK 613	Project Development and Management
SOWK 614	Communication for Development
SOWK 615	Conflict Management and Resolution

Year Two

SOWK 618	Applied Social Work (4 Weeks Fieldwork)
	Seminar Presentation
	Research Dissertation

The B.A. Degree in Social Work started in 1989/90 academic year. At present it is offered in Level 200. However, the revised programme introduces Social Work in Level 100 and it is expected to run from the 2004/2005 academic year in view of the improvement in the academic staff situation. Applicants must satisfy the minimum requirements for general University entry and students must combine Social Work with two other social science subjects including Sociology during their first University examination.

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, Ghana Police Service, Army, CHRAJ, National Commission for Civic Education, Ministry of Health, Ghana National Fire Service, NADMOD, 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 M.Phil programme has been structured for two years. The first year involves course work and fieldwork. The second year involves research dissertation, seminar presentation, and also fieldwork placement. The minimum requirement for

admission to the Masters Programme is a Bachelor degree in Social Work or related field with a minimum of one-year field experience or a Bachelor degree in any social science subject and at least two years of social work or social development field experience. In addition applicants are required to pass an interview.

Fieldwork placement of students occupies a very important place in the Diploma and Degree programmes. The training requires that students undergo a core Long Vacation Fieldwork and a core Concurrent Fieldwork as requirements of the professional training. Essentially, the fieldwork provide 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.

Student Numbers for 2002/2003 Academic Year

Undergraduate:

Level 200	160
Level 300	52
Level 400	51
Occasional	2
	<hr/>
Total	265
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Diploma in Social Administration:

Year I	39
Year II	36
	<hr/>
Total	75
	<hr/>

Grand Total	340
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Staff

The staffing position in the year 2002/2003 is as follows:

Senior Members

1.	Prof. Nana Araba Apt	Head of Department
2.	Mr. P.K. Abrefah	Coordinator of Social Administration
3.	Mrs. Cynthia A. Sottie	
4.	Ms. Marie-Antoinette Sossou	(Study Leave)
5.	Mr. T.E. Richardson	(Study Leave)
6.	Dr. Stephen Ayidiya	
7.	Mrs. Gifty A. Baka	
8.	Dr. K. Osei-Darkwah	

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. Joanna W. Mensah

Senior Staff

1. Mr. Nicholas Asuming
2. Mr. Vincent Donkoh
3. Mr. Yaw Serbeh (Study Leave)

Junior Staff

1. Ms. Josephine Atandzi
2. Ms. Cynthia Fianko
3. Mr. William Boateng

Three (3) National Service Personnel out of six requested 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.

- Child Defilement, a journey into the background of the perpetrator (Proposal)
- 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 of Feliko Youth Shelter for the Homeless (an NGO), Accra, July 2002 to date
- Participant – 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 and Guest on "You and Your Child" a GBC Radio Programme on Child and Family Welfare February-April, 2002.
- Member, Committee on Restructuring of the Ghana Association of Social Workers, July 2002 to date.

Conferences/Seminars/Workshops

Abrefah, P.K.

- Participant /Discussion Group Facilitator: National Advocacy Workshop on the theme: "Effective Approaches to Eradicating Streetism in Ghana" organized by Response and sponsored by Action Aid Ghana, Royal Ravico Hotel, Nungua, June, 23-24, 2003.
- Guest Speaker and Resource Person at the Participatory Action Research Group Workshop on the research project: "Social Work in Ghana: Education and Practice" organized by Linda Kreitzer, a Ph.D Researcher from University of Calgar, Faculty of Social Work Canada and supported by Department of Social Work, University of Ghana, Legon, February – October, 2003.

Sottie, Cynthia A

- Participant-Workshop on "Promoting Business Community Relations in Ghana Challenges and Opportunities for Business and Community. September 12th and 13th, 2002 organized by New Academy of Business, UK Association of Ghana, UNV/UNDP
- Participant /Group Raporteur: National Advocacy Workshop on the theme "Effective Approaches to Eradicating Streetism in Ghana" organized by Response and sponsored by Action Aid Ghana, Royal Ravico Hotel, Nungua, June 23-24, 2003.
- Guest Speaker and Resource Person at the Participatory Action Research Group Workshop on the research project: "Social Work in Ghana: Education and Practice" organized by Linda Kreitzer, a Ph.D Researcher from University of Calgary Faculty of Social Work, Canada and supported by Department of Social Work, University of Ghana, Legon, February-October 2003.-

Benefactions

Books Donation

1. The Department continues to appeal for current textbooks in Social Work that will meet the learning needs of both graduate and undergraduate students. In response to the appeal in May, the Department received a donation of 13 textbooks from the Director of Florida Atlantic University School of Social Work, Florida through a Faculty Member, Ginger Bush on a study abroad programme at the Institute of African Studies, University of Ghana. The Department is grateful for the handsome donation.
2. Dr. Stephen Wilson, A Ghanaian Social Worker based in the U.K, presented the Department with a total of forty-one (41) Magazines on Community Care. We acknowledge the donation with sincere gratitude.
3. Lebanese Women's Association of Ghana Scholarship Award

The three needy students in the persons of Miss Sarah Duncan, Miss Ernestina Sorleki Tetteh and Mr. Gideon Agleby who were awarded full scholarship for two academic years (2001-2003) by the Association have successfully completed the

programme with high academic performance. The Department wishes to express its appreciation to the Association for the philanthropic gesture and hope that the offer will continue to be sustained.

Visitors

- In May 2003, the Department hosted a group of 13 students in the company of an Academic Staff from Hogeschool De Horst, Driebergen, and The Netherlands on eleven days study visit to the Department and Social Work Agencies within Accra Metropolis. Besides interacting and exchanging ideas with our students the Department arranged excursion of the University and visit to Echoing Hills Village, Madina; Pantang Hospital; Osu Children's Home, Rehabilitation Centre; Budumburam Refugee Camp; Street Girls Aid; Ghana Borstal Institution / James Camp Prison; Catholic Action for Street Children and Street Academy. The group also visited places of tourist interest in and outside Accra.
- Two faculty members in the persons of Randi Buerlein and Robert Peay also visited the Department in May from Virginia Commonwealth University School of Social Work, Richmond, and USA to forge a collaborative relationship with the University. After a fruitful discussion the visitors were directed to the Dean of International Education Programme for the procedural details.
- In September 2003, the Department received a group of four Social Work Volunteer – students attached to the NGO – Street Academy from the Helsinki Polytechnic School of Health and Social Services, Finland assigned to engage in a preliminary discussion towards future collaboration between their Polytechnic and our Department.

Prizes

Kenneth Christmon Prize

The Kenneth Christmon Prize for the best graduating student in Social Work for the 2002/2003 academic year was awarded to **Adam Yahaya Dokurugu** who graduated with 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 academic year 2002/2003 was awarded to **Sarah Akrofi-Quarcoo**.