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PREFACE

This is to present to you again an update of activities undertaken by departments, institutes, schools and centres of the University in the past year. The activities undertaken are in accordance with the University's mandate to teach, research and offer service to the community.

In spite of constraints limiting the full realization of its mandate, various departments of the University have endeavoured to go the extra mile even with the increase in the intake of students, and have made greater attempts at marketing themselves through departmental exhibitions and lectures as well as in participation in relevant national exhibitions and fairs.

Last year many newly appointed Full Professors gave their Inaugural Lectures. Indeed, Inaugural Lectures, which used to be few and far between, have now become a regular exciting feature in the University's activities, and are always very well attended by staff, students and the general public. There have also been Inter-Faculty Lectures undertaken in the year by the Faculty of Social Studies. These Lectures went a long way to emphasize the University's commitment to research and its appropriate dissemination. There has also been a noticeable intensification of research in all faculties, thus resulting in a significant increase in post-graduate students.

Last year the University participated in three important national fairs, the Industry and Technology Fair (INDUTECH) first Ghana Education Fair (EDUCFAIR) and Food and Agricultural Fair (AGRIFEX). Participation in these fairs enabled the University to showcase its activities for better understanding by its stakeholders and the general public.

The past year has seen marked improvement in the on-going constructional works on campus. The five hostel blocks by the Ghana Hostels Limited to accommodate both students and staff have been completed and are now in use. Work on the Jubilee Hall is nearing completion. Construction work on the Faculty of Law and the Institute of African Studies buildings are also progressing steadily.

It is with a big sigh of relief and great joy that one can now announce the completion of the construction of the Chemistry building which construction started 30 years ago. The building has been named after Prof. Emeritus F.T.O'B Torto, the first Ghanaian to join the staff of the University when it was founded in 1948.

In the year under review the University engaged in an evaluation exercise and came up with a strategic plan that would guide its activities through the first decade of the 21st Century.

The effort to strengthen the capacity of Information and Communication, Technology (ICT) on campus also received an added boost with the establishment of a number of computer centres. The most significant was the donation by the Government of the Peoples Republic of China, of the China Computer Laboratory located in the Faculty of Science.

Even though the University continues to experience considerably financial constraints, we have managed to instill a lot of discipline and rational financial controls, thus making our financial management take a major step forward for the better.

Congregation always marks a high point in the life of the University. May I take this opportunity to wish all graduands every success as they embark on a new life in the world of work.

Ivan Addae-Mensah
Vice-Chancellor

March 16, 2002

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FACULTY OF AGRICULTURE

DEPARTMENT OF AGRICULTURAL ECONOMY & FARM MANAGEMENT

Overview

The Department was under the headship of Dr. Ramatu Al-Hassan. The main responsibility over the period was the teaching of courses in Agricultural Economics as part of the degree and non-degree programmes offered by the Faculty of Agriculture.

The Department also offers Post-graduate programmes in Agricultural Economics and Agricultural Administration. The M.Phil Agricultural Economics programme, in particular, is offered in collaboration with the Department of Economics.

The number of Post-Graduate Students during the 2000/2001 academic year was 57, including 2 Ph.D. students. Also, the high interest of students in Agricultural Economics as an area of specialisation was sustained with about 80 percent of Level 400 students in Agriculture opting to specialise in the subject.

Staff Strength

Dr. Ramatu Al-Hassan	Senior Lecturer and Head of Department
Rev. Dr A-Brempong	Senior Lecturer
Baah, K. O.	Senior Lecturer
Fosu, K. Yerfi	Lecturer
Amegashie, D.P.K.	Lecturer
Dr. D B Sarpong	Lecturer
V.O. Asante	Lecturer (on study leave)
A. Mensah-Bonsu	Lecturer
Egyir, Irene S	Lecturer (on study leave)
Andah, E.K.	Senior Lecturer (on contract)

Junior and Senior staff

Egu Francis Kwaku	Administrative Officer.
F.B.Dadson	Senior Research Assistant
E.T. Adika	Administrative Assistant
Sarah Omane-Boadi	Senior Clerk
Grace Nyarko	Clerk Grade II
Reindorf Darkoh	Cleaner/Messenger

Research

Al-Hassan R.

- Concluded the research project on "Effects of Cash Crop Production on Household Food Supply and Women's Employment" Funded by SADAOC Research Foundation.

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

- Sustainable Food Production and Natural Resource Management in Central West Africa. Funded by the SADAOC Research Foundation.
- A Socio-Economic Study Within the Project: Public-private Partnerships for Development and Implementation of Entomopathogenic viruses as Bioinsecticides for Key Lepidopteran Pests in Ghana and Benin, West Africa. In collaboration with International Institute of Tropical Agriculture, and Funded by Department for International Development, of the United Kingdom.

Al-Hassan with Francis Srofenyoh

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

Amegashie, D.P.K.

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

Asuming-Brempong, S.

- Title: Sustainable food production in Central West Africa: Strategy and Policy Options in Sustainable Natural Resource Management. Funding Agency: SADAOC Foundation, Burkina Faso/Netherlands. Duration: May 2000 to April 2002
- Title: Improving the Rural-Urban Nutrient Cycle Through Peri-Urban Agriculture. Funding Agency: The International Board for Soil Research and Management (IBSRAM), KNUST, Kumasi. Duration: Two Years 6 June 2000 to May 2002
- Title: Yam Conservation Project (Post-harvest handling and export) Funding Agency: Department for International Development (DFID), UK. Duration: February 2000 to March 2003.
- Title: The Competitiveness of Ghana's Agri-Business Sector: A Case Study of Three Agro-Processing Firms. Funding Agency: African Rural Policy Analysis Network ARPAN), based at IITA; WINROCK International, USA. Duration: June 2000 to December 2001.
- Title: Modeling the Production and Trade in Livestock in Western Africa. Funding Agency: USAID Linkage Funds through ILRI. Duration: July 2000 to December 2001.

Fosu, K.Y.

- Factor Prices and the Aggregate Incidence of Trade Policy.
- Macroeconomic Policies, Agriculture, Development and the Environment.
- Economic Policy Reform and Agrobiological Technology in Ghana: Hybrid Maize.
- Trade Liberalisation Policy and Cocoa Exports.

- Macroeconomic Policy, Cocoa and the Environment in Ghana.
- Modeling the Effects of Macroeconomic Policies on the Real Exchange Rate.
- Modeling the Effects of Subsidy Withdrawal on the Real Exchange Rate.
- Economic Policy Reform and Agrobiological Technology in Ghana.
- Optimal Public and Private Financing of Development in Africa: The Case of Ghana.
- Trade Liberalisation Policy and Relative Factor Prices: A General Equilibrium Model.
- Public and Private Financing, Poverty and Economic Welfare.
- Optimal Public and Private Financing of Development under Uncertainty in Africa.

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

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

Departmental Research

- Title: Improving the Rural-Urban Nutrient Cycle Through Peri-urban Agriculture. Funding Agency: The International Board for Soil Research and Management (IBSRAM), KNUST, Kumasi. Duration: June 2000 to May 2002.
- Title: Yam Conservation Project (Post-harvest handling and export) in collaboration with the Natural Resources Institute of the UK - 2 years.

Conferences/Seminars/Workshops

Al-Hassan, R.

- 11th Biennial Meeting of the Association of Rural Banks, held at the National Theatre, Accra, on 18th November, 2000.
- Launching Workshop of the Cotton Network Project in Sub-Saharan Africa, held in Tamale on 4th May, 2001.
- Forum on "Emerging strategies for developing the lesser known Ghanaian biological food resource into mainstream products utilisation towards poverty reduction and sustainable livelihood of people" Organised by Centre for Biodiversity Utilisation and Development, University of Science and Technology, Kumasi. 23-24 May, 2001.
- Researcher, Policy Maker and Civil Society Dialogue on Enhancing Productivity in the Food Production Sub-Sector, held on June 7, 2001 at Bay View Hotel, Accra. Organised by Réseau Ghaneen of SADAOC Foundation.
- (Workshop on Yam Quality organized by the Natural Resources Institute (NRI), University of Greenwich, UK; Ministry of Food and Agriculture

(MOFA), Ghana; Departments of Agricultural Economics and Crops, University of Ghana at Bay View Hotel on July 10, 2001.

Amegashie, D. P. K.

- Participated in a workshop on "Enhancing Productivity in the Food Production Sub-Sector" Organised by Reseau Ghaneen, ISSER at the Bay View Hotel, Accra on June 7, 2001.
- Participated in "USDA-GHANA, Research Extension" Workshop, held at Coconut Groove Hotel, Elmina on June 2 6-28, 2001.

Asuming-Brempong, S.

- Conference on Agricultural Outlook in West Africa. Bamako, Mali. March 12 -14, 2001.
- Conference on "Cutting Hunger in Africa" organized by the Partnership to cut Hunger in Africa at the HYATT Hotel, Capitol Hill, Washington D.C. USA. June 25 to 28, 2001.
- Workshop on Enhancing Productivity in the Food Production Sub-Sector organized by RESEAU GHANEEN of SADAOC Foundation, ISSER, University of Ghana, BayView Hotel, Accra, Ghana on 7 June, 2001.
- (Workshop on Yam Quality organized by the Natural Resources Institute (NRI), University of Greenwich, UK; Ministry of Food and Agriculture (MOFA), Ghana; and Departments of Agricultural Economics and Crops, University of Ghana, Accra on July 10, 2001.

Fosu, K. Yerfi

- Consultative Meeting on Research Collaboration with CIRAD, Montpellier, France, 2001 (Resource Person).
- Workshop of the African Technology Policy Studies Network, Cape Coast, 2001 (Resource Person).
- Consultative Meeting on Regional Project on Cocoa Sector Liberalisation Policy, Accra, 2001 (Resource Person).
- Preparatory Meeting on Trade Liberalisation Policy and the Future of Cocoa, Abidjan, Cote d'Ivoire, 2001 (Chair).
- Consultative Meeting on Research Collaboration with ETH, Zurich, Switzerland, 2001 (Resource Person).

Sarpong, D. B.

- Regional Peer Review Workshop of Short-Term Research Proposal, SADAOC Foundation, Grand Bassam, Cote d'Ivoire, November 17-26, 2001.
- Reseau Ghaneen of SADAOC Foundation Researcher Policy-Maker Dialogue on: Enhancing Productivity in the Food Production Sub-Sector, Accra, June 7, 2001.
- African Technology Policy Studies (ATPS) Network (Ghana Chapter) Training Workshop, July 19, 2001, Sasakawa Centre, University of Cape Coast.

Publications

Al-Hassan, R.

- (2000). Building Effective Linkages with other Micro-Finance Institutions for Sustainable Rural Development. Paper presented at the 11th Biennial Meeting of the Association of Rural Banks, Accra, on November 18, 2000.

Al-Hassan, R. with Egyir, Irene

- (2001) Effect of Cash Crop Production on Food Supply and Labour Utilisation. A draft research report on a Research Project funded by the SADAOC Research Programme.

Al-Hassan, R. with Colin Poulton et.al.

- Cash Crop Versus Food Crop Debate. *Issues Paper-3*. Crop Post-Harvest Programme, Natural Resources International, UK.

Asuming-Brempong, S.

- Market Coordination and Cross-Border Maize Trade Between Ghana and Burkina Faso.

Asuming-Brempong, S. with Egyir, Irene

- A Research Report submitted to Reseau Ghaneen of SADAOC Foundation, Institute of Statistical, Social, and Economic Research (ISSER), University of Ghana, February, 2001.

Fosu, K. Yerfi

- Trade Policy and the Sustainable Energy Sector, in Sustainable Energy: New Challenges for Agriculture and Implications for Land Use, edited by E. Van Ierland, A. Oude Lansink and E. Schmieman, Wageningen, The Netherlands, 2000. Technology Policy for the Food and Agriculture Sector in Ghana, Carnegie Corporation, New York.
- Petroleum Pricing Policy and Food Security in Ghana, *Journal of Consumer Affairs*, Vol. 1, No. 1, 2000.

Extension Work

Al-Hassan, R.

- Participated in the Evaluation of the GTZ project. Advisor to MOFA from 20th October, 2000 to 4th November, 2000. Supported the Embassy of Japan to evaluate projects receiving Japanese Aid for Increased Food Production (KR-2)
- Supported the Plant Protection and Regulatory Services Department of MOFA to review and propose realistic user charges for their services.
- Member of the National Governing Council of The Hunger Project - Ghana.

Fosu, K. Yerfi

- (With others). Preparation of materials for National Technology Policy Dialogue Programme.
- Training of young scientists in the preparation of research proposals and the execution of research projects.
- Policy Brief on Technology Policy for Food and Agriculture in Ghana.
- Policy Brief on Technology Policy for Natural Resource Management in Ghana.

Amegashie, D. P. K.

- Education of selected Farmers on the Importance of record keeping at Okyereko and Ashaiman Irrigation sites.

Asuming-Brempong, S.

- (Review of AGSSIP Documents on Agricultural Research for the Council for Scientific and Industrial Research (CSIR), Accra.
- (Organized a one-day workshop for stakeholders on Agricultural Outlook in Ghana and West Africa, Accra, January 30, 2001.
- (Evaluation of Root and Tuber Improvement Programme (RTIP) for Ministry of Food and Agriculture (MOFA)/IFAD, February to September 2001.

Assistance to the Department

The Department recognizes the following organizations for their support:

1. Agricultural Development Bank for support to the M.Phil Agricultural Administration Internship programme.
2. The Cocoa Board, for support to the M.Phil Agricultural Administration Internship Programme.
3. Dr. Jojo Baidu Forson of the United Nations Natural Resource Institute of Africa (UNU/INRA), for a donation of c 1,009,962.52 (one million and nine thousand, nine hundred and sixty -two cedis , fifty - two pesewas) for the purchase of books for post- graduate students.
4. Dr. Nii Adote Abrahams, Assistant Professor, School of Business Administration, Missouri Southern State College, Joplin, USA for donating books worth more than 15 million cedis.
5. Prof. Stephen Kyereme, School of Business, Department of Agribusiness and Economics, South Carolina State University, Orangeburg, SC, for donating two books.

DEPARTMENT OF AGRICULTURAL ENGINEERING**Overview**

The Agricultural Engineering Department looks at the role of engineering in the food production chain in terms of soil tillage, application of chemicals, harvesting,

Josiah, M. N.

- Study Leave (Ph.D Program, University of California, Davis, USA)

Kra, E.Y.

- Study Leave (Ph.D Program, Utah State University, Logan, USA)

Extension**Seidu, M.**

- Feasibility study on the possibility of constructing farm ponds and irrigation facilities for farmers at Okwenya in Somanya District; commissioned by Benson Agricultural Institute.
- External Examiner - University of Cape Coast and University for Development Studies, Tamale.

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 and 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 student admissions have increased from three students in 1993/94 academic year to between 8-10 from 1995 to date. 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 undergraduate level, the department still does not have an audio-visual laboratory for training students and no vehicles to convey students for field practicals in extension work. There is therefore an urgent need for the provision of post-graduate lecture/ seminar room, audio-visual laboratory and vehicles for field extension work.

The department has recently undertaken a restructuring of its courses 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.

The number of Full-time permanent lecturers continued to be the same as 2000/2001 academic year. There are 5 full-time permanent lecturers instead of the required 8. Positions for 4 Research Fellows remained unfilled. Part-time lecturers continued to augment the staffing situation.

Courses

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

Students Numbers

Ph.D.:

Part I 1

M.Phil:

Part I 2

Part II 4

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

B.Sc. (Hon) Agric.:

Level 400 48

Level 300 23

Diploma In Agric.:

Diploma I 72

Diploma II 78

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

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

Staff:

Senior Members:

Vacant (1)

Vacant (2)

Professor

Senior Lecturer

1. Dr. Felix Y.M. Fladjoe	Lecturer
2. Mrs. Vincentia N. Canacoo	Lecturer
3. Dr. Owuraku Sakyi-Dawson	Lecturer
4. Dr. Paschal B. Atengdem	Lecturer (Head of Department)
5. Mr. E. E. Ackah-Nyamike Jr.	Lecturer (Study Leave)
6. Mr. Seth D. Boateng	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	Assistant Transport Officer

Junior Staff:

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

The courses of the Department were taught by five teaching staff: One member of the department is on Study Leave.

Research

Fladjoe, 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 Ministry of Food and Agriculture Extension as the Basis for In-Service training Programme.
- Translating Research Findings into Learning Experiences for Farmers
- Influence on Extension Delivery of Extension Groups : Experiences from the Field
- Lessons from Agricultural Innovations Introduced 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).

Canacoo, V.N., Ramatu-Alhasan, Canacoo, V. & Srofenyoh, F.

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

CA. June, 1998.

- Adoption Barriers for Efficient Domestic Energy Use in Refugee Sites. A collaborative Research between University of Ghana/GAMOS Ltd. U.K. Funded by the Department for International Development (DFID) U.K. (On-going).

Boateng, S.D.

- Improving Cassava Processing in Rural communities in Afram Plains. Research Report prepared for the African Rural Development Movement. (2001) Sponsored by the French Embassy.
- Factors Affecting Maize Processing in Afram Plains 1999. Research Report prepared for Centre for Human Right Initiative. Sponsored by Ford Foundation.

Sakyi-Dawson, O.

- Farming Systems in Ghana. Technical Report prepared for the FAO(TCP)/GHA/6715) Land Use Planning Project, July 2000.
- Farming Systems of the Wenchi District. Technical Report prepared for CARE International, Ghana, March 2000

Sakyi-Dawson, O. with Mark Holderness et. al.

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

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

- A Study of the Reach, Use and Impact of Communication Activities and Media Products of the Water and Soil Management The IFCSF in Ghana. Natural Resources Systems Programme, DFID, UK, November 2000.
- A Study of the Reach, Use and Impact of the Communication Activities and Media Products of the KUMINFO Component of the Kumasi Natural Resources Management Project. Natural Resources Systems Programme, DFID, UK, November, 2000.
- Case Study of IPM/FFS in Rice in Ghana and its Implications for Convergence of Sciences. Convergence of Sciences Research Project, University of Ghana/Wageningen University/FAO (On-going).

Sakyi-Dawson, O. with Kudadjie, Comfort

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

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

- Attributes of Improved Maize Varieties and Pattern of Adoption in the

Transitional Zone of Ghana. Paper presented at the 22nd Biennial Conference of the Ghana Science Association at the University of Cape Coast, Cape Coast, August 5-9, 2001

Extension Activities

Fiadjoe, F.Y.M.

- The Assessment of the Performance of Regional and District Staff of Non-Formal Education Division of Ministry of Education. (Team member) Report submitted to Ministry of Education, June 2000.

Atengdem, P.B.

- PRA Evaluation and Workshop for the Catholic Diocese of Damongo.
- Evaluation and Programme Development for the Rural Integrated Literacy and Agricultural Development Programme (RICADEP)
- Programme Evaluation of PCG-ASS Agricultural Project in Abokobi and Katamansu, Ghana. August-September 1998.
- PRA Training for Staff of the Integrated Crop Protection (ICO) of GTZ.
- PRA Training for Staff of the Ministry of Food and Agriculture (MOFA) working in the Roots and Tuber Improvement Project (RTIP) of MOFA-IFAD.

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

- Training Workshop on Communication for Department of Community Development Staff, Level 1: Institute of Local Government Studies, Accra. February 12-14, 2001.
- Training Workshop on Communication for the Department of Community Development Staff Level 2: Community Development Training School, Kwaso, Ashanti Region, March 12-16, 2001.

Sakyi-Dawson, O. with K. McKomey et. al.

- Workshop on Uptake and Adoption of Rice Research Outputs in Ghana, Dodowa, June 6-7, 2000.

Boateng, S.D.

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

Publications

Boateng, S.D.

- The Latent Effects of Development Actions on the Environment and the Socio-Economic Well-Being of the Afram Plains Communities in the Eastern Region of Ghana. Scheduled for publication in October 1999 by the *International Journal of Environmental Education and Information*.

Sakyi-Dawson, O.

- Financial Services Provision and Financial Services Needs in the Ghanaian RNR Sector. Technical Research Report to DFID, 1997.
- Financial Services for RNR Development in Ghana - Establishing Policy Guidelines for the Informal Sector. Technical Research Report to DFID, 1998.

Sakyi-Dawson, O. with Jones, J.H.M., Harford, N. and Sey, A.

- The Contribution of the Informal Financial Sector to Sustainable Renewable National Resources (RNR) Management in Ghana. Proceedings of the First International Conference on Sustainable Rural Development in Sub-Sahara Africa, K.N.U.S.T., Kumasi, Ghana, August, 1997 (Forthcoming).

Sakyi-Dawson, O. with Jones, J.H.M

- Interface Between Rural Financial Intermediaries in Ghana: Implications for Linking Informal and formal Financial Sectors. Proceedings of the Conference on Financial Institutions in the Political Economy, organised by the Nordic Africa Institute, Rosendal, Norway June 11-14, 1998. (Forthcoming).

Sakyi-Dawson, O. with Al-Hasan, R., Canacoo, V. Srofenyoh, F.

- Equity Implications of Reforms in the Financing and Delivery of Agricultural Extension Services. Report for DFID Policy Research Programme, June, 1998.

Fiadjoe, F.Y.M., Canacoo, Vincentia and Manu, Kofi

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

Conference/Seminar/Workshops/Symposia

Fiadjoe, F.Y.M. with Boateng, S.D.

- Influence of Human Behaviour on the Sustenance of the Forest Reserve Base: Ghana Science Association 20th Biennial Conference, K.N.U.S.T., Kumasi.

Atengdem, P.B.

- Equity Implications of Reforms in Financing in Ghana, University of Ghana/ University of Reading Joint-Workshop.

Sakyi-Dawson, O.

- An Introduction to the Study on Equity Implications of Reforms in Extension in Ghana. Paper presented at the Workshop on Equity Implications of Reforms in Extension in Ghana, University of Ghana/University of Reading Joint-Workshop.
- Experiences of Financial Sector Linkages in Ghana. Workshop on Improving Financial Services for RNR development in Ghana; Establishing Policy Guidelines for the Informal Financial Sector. Organised at Sunyani by Agricultural Extension Department, University of Ghana, Legon and AERDD, The University of Reading, U.K.

Boateng, S.D.

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

DEPARTMENT OF ANIMAL SCIENCE

Overview

During the year under review, the department continued to fulfil its basic functions of teaching, research and extension with its usual dedication. Teaching programmes covered Doctorate, Masters, Bachelors and Diploma levels. The Meat Laboratory and the Veterinary Clinic continued to generate income and to provide service not only to the University community but also to customers from Madina especially and its environs.

The department lost one of its most illustrious and hardworking members in the person of Prof. J.E. Fleischer. His sudden demise came as a profound shock to the whole University community. Indeed his untimely departure from the department added poignancy and despair to the work of the department in the sense that at the time of his death, he was in the process of soliciting funds to execute several projects involving other senior members. By dint of hard work, this indefatigable member had just been promoted to the rank of Associate Professor and was yet to receive his first pay as an Associate Professor when he was called by his Maker. We shall sorely miss him.

Courses

1. Undergraduate courses

2. Postgraduate courses
3. National Diploma in General Agriculture
4. National Diploma in Animal Health.

M.Phil and Ph.D Programmes

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

Student Numbers

Ph.D	2
M.Phil	5
BSc. Level 400	3
B.Sc. level 300	8
B.Sc. level 200	31
B.Sc. level 100	91
NDA (General) II	35
NDA (General) I	38
NDAH I	4
NDAH II	6

Staffing Position

Professor	1
Associate Professors	3
Senior Lecturers	3
Part time lecturers	3
Senior Staff	5
Junior Staff	7

Research Activities

Assoku, R.K.G.

- Immuno-pathological Studies in Bovine Dermatophilosis (*Dermatophilus congolensis*) infection.
- Assessment Studies of Milk Quality and Public Health Risks in the Small Holder Peri-urban Dairy Marketing System in Ghana.

Ahunu, B.K.

- Characterisation of Ghana Shorthorn Cattle.

Barnes, A.R.

- A Study of the Nutritive Value of Pig Trotters.

Awotwi, E.K.

- A Study of the Effects of Age and Parity of Dam on Birthweight and Growth of Lambs and Incidence of Multiple Births in Djallonke Sheep.

Aboagye, G.S.

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

Awumbila, B.

- Helminthic Profile of Backyard Poultry on Legon Campus.

Amaning-Kwarteng, K.

- Strategy of Dry-season Feeding of Ruminants in Ghana: The Manufacture and Use of Urea-Molasses Block.
- Digestibility and Mineral Status of Conserved Forages.
- Utilization of Low Quality Roughages: Effect of Dietary Supplements on rumen Parameters, Intake and Growth.

Publications**Refereed Papers****Awotwi, E.K. Canacoo, E.A., Adogla-Bessa T.**

- The Effect of Age at Mating on the Behavioural Interactions Between Primi-parous Djallonke. Oppong-Anane K. and Ewes and their Lambs at 36 post-partum. Oddoye. (2000) Appl. Anim. Behav. Sci. (In press).

Aboagye, G.S.

- Genetic and Phenotypic Parameters of Cattle in Ghana (2000). An Invited paper contributed towards ILRI/SLU course on capacity Building in Animal Genetic Resources for West and Central Africa. November 19 - December 7, 2001. ILRI, Ethiopia. 38 pp.

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

- In Vivo Digestibility and Effect of Supplemental Mucuna Forage on Treated Rice Straw Degradation (2000). *Small Ruminant Research*. 41: 239-24

Papers Presented at Conferences**Adjorlolo, L.K., Amaning-Kwarteng, K. and Fianu, F.K.**

- (2000) Effect of Cracking and Heat Treatment on Nutrient Composition and in sacco Nitrogen Disappearance of Velvet Bean (*mucuna pruriens*). Proceedings of the 25th Ghana Animal Science Association Symposium, KNUST, Kumasi.

Amaning Kwarteng, K. and Awotwi E.K.

- (2000) Utilization of Low-Quality Roughages by Sheep: Effect of Alkali treatment and Leuceana Supplementation on Rumen Mucosa Morphology. Paper presented at the 12th Biennial Conference of the Ghana Society of Animal Production, August 29 - September 1, University of Cape Coast.

Aboagye G.S., Awotwi, E.K. and Ahunu, B. and Tetteh, T.A.

- (2000) Characterization of the West African Dwarf Goat in Ghana for Some Qualitative Traits. Paper presented at the 12th Biennial Conference of The Ghana Society of Animal Production, August 29 - September 1, University of Cape Coast.

Oddoye, E.O.K., Fleischer, J.E., Amaning-Kwarteng, K., and Awotwi, E.K.

- (2001) On-farm Introduction of Urea- ammoniated Rice Straw as a Dry Season Feed Supplement. Paper presented at the 12th Biennial Conference of the Ghana Society of Animal Production August 29 - September 1, University of Cape Coast.

Barnes, A.R. and Aboagye-Gyambra, F.

- (2000) Impact of African Swine Fever on Pig Production in the Greater Accra Region. Paper presented at the 12th Biennial Conference of the Ghana Society of Animal Production, August 29 - September 1, University of Cape Coast.

Conferences/Workshops and Seminars Attended

Assoku, R.K.G.

- Twenty-sixth Annual General Meeting and the 13th Congress of the Ghana Veterinary Medical Association, Kumasi, October 10-13, 2000.
- Forty-first Anniversary Celebrations of Ghana Academy of Arts and Sciences, Accra, November 20-24, 2000.

Barnes, A.R.

- Advanced Training for Leadership and Skills (ATLAS) Conference on Leadership, Agriculture and Economic Development. Windhoek, Namibia, April 24-28, 2000.
- Twenty-fifth Biennial Ghana Animal Science Association Conference. KNUST, August 23-26, 2000.
- Twelfth Biennial Conference of the Ghana Society of Animal Production. University of Cape Coast August 29 - September 1, 2001.

Amaning-Kwarteng, K.

- Twelfth Biennial Conference of the Ghana Society of Animal Production. University of Cape Coast, August 29 - September 1, 2001.

Aboagye, G.S.

- Twelfth Biennial Conference of the Ghana Society of Animal Production, University of Cape Coast, August 29 - September 1, 2001.

Ahunu, B.K.

- Global Partnership Conference of the United Negro Fund for Special Programmes, Washington D.C., U.S.A., April 8-10, 2001.
- Program Planning Workshop for Alcorn State University, University of Ghana and the Kwame Nkrumah University of Science and Technology at the Alcorn State University, Lorman, Mississippi. April 12-21, 2001.
- Michigan State University and African Universities Initiatives Workshop, East Lansing, Michigan, U.S.A., June 11 - 16, 2001.
- USDA and Ghana Research and Extension Workshop, Elmina, June 26-28, 2001.
- Post-Harvest Curriculum Review Workshop organized by Alcorn State University, University of Ghana, and the Kwame Nkrumah University of Science and Technology, Kumasi, July 30 - August 3, 2001.

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 40% of the final year B.Sc. Agricultural students specialized in Crop Science. The postgraduate programmes continued to receive good patronage from both within and outside Ghana. The Department, in collaboration with the Department of Zoology (Faculty of Science), continued to teach the M.Phil. Entomology course under the Insect Science Programme. The National Diploma in Postharvest Technology (NDPHT) programme was also co-ordinated by the Department.

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

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

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

- inadequate space for staff and increasing student numbers
- inadequate tools and equipment, especially microscopes, computers and tractors for the University farm on campus.

- unavailability of water in the University farm for student projects and for other research activities.

Courses

Courses offered at the undergraduate and postgraduate levels include:

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

Student Numbers

Student enrolment in the various courses were as follows:

Ph.D	2
M.Phil. II Crop Science	3
M.Phil. I Crop Science	2
Level 400 (B.Sc. Final Year)	10
Level 300 (B.Sc. Second Year)	35
Level 100 (B.Sc. First Year)	84
Level 200 (B.Sc. First Year)	35
NDA II (Diploma Final Year)	33
NDA I (Diploma First Year)	40
NDPHT II (Diploma Post-harvest Final Year)	9
NDPHT I (Diploma Post-harvest First year)	14

Staffing Position

(I) Department	
Professors	3
Senior Lecturers	5
Lecturers	5
Part-time Lecturers	3
Chief Technician	1
Principal Research Assistant	1
Principal Technicians	1
Senior Technician	1
Research Assistant	1
Technician	2
Assistant Technicians	3
Technical Assistant	1
Administrative Assistant	1
Senior Clerk	1
Typist	1
Driver	1
Messenger/Cleaner	1
Senior Headman	1

	Headmen	2
	Labourers	3
(ii)	University Farm	
	Technical Assistant	1
	Tractor Operator	1
	Senior Headman	1
	Headmen	2
	Labourers	2

Research

(i) Crop Production Research

Amoatey, C.A.

- Management of *Cyperus Rotundus* Using Biological Method.

Blay, E.T.

- Morphological and Molecular Characterisation of Germplasm of Some Vegetables, Cereals, Legumes, and Root/Tuber Crops.
- In vitro Propagation of Some Roots and Tubers.
- Mutation Breeding, In vitro Propagation and Molecular Characterisation of Cocoyam (*Xanthosoma sagittifolium*). Breeding of Some Vegetable Crops (Tomato, Garden Eggs and Aubergines)
- Study of Agro-biodiversity in Southern Ghana with Special Emphasis on Land Varieties of Yams and Vegetables.
- Indigenous Agroforestry Practices.
- Comparative Study of Diversity in Local Yam and Rice Land Varieties in Southern and Northern Ghana.

Kumaga, F.K.

- Evaluation of Soybean Productivity in the Coastal Zones of Ghana.
- Application of simulation Model for Groundnut Production in the Savannah Region of Ghana.
- Quantification of Nitrogen Fixation in the African Yam Bean (*Sphenostylis stenocarpa*).

Norman, J.C.

- Baseline Studies of the Floricultural Industry in Accra.
- Preparation of a Checklist of Landscape Plants in the Greater Accra Region.
- Mulching and Planting Date Effect on Sweet Corn.

Ofori, K.

- Morphological Characterisation of Garden Eggs
- Effects of Shade, Moisture Regime and Fertilizer Rate on Seedling Performance in Oil Palm.

- Determination of Time of Pod and Seed Maturity in Okro.
- Crop Protection Research

Ayertey, J. N.

- Continued with research on the Problem of the Larger Grain Borer and its Control in Africa.

Boateng, B.A. .

- Effect of Temperature and Related Humidity on Stored Product Protectants. Knowledge, Perceptions and Practices of Farmers and Traders in Management of Pest of Stored Products.

Obeng-Ofori, D.

- Biopesticides for the Management of Storage and Field Pests of Cereals, Legumes, Fruits and Vegetables; Insecticide Resistance in Populations of the Diamond.
- Back Moth *Plutella Xylostella* Attacking Cabbage in Ghana.
- Biology and Economic Importance of Insect Pests Including the Diamondback Moth and Cereal Stem Borers.
- Training of Trainers for IPM Farmer Field School and Exporters of Fruits and Vegetables.

Offei, S. K.

- Studies of Viral Diseases of Plantain
- Studies on Gummosis Diseases of Citrus Plants
- Molecular Characterisation of Root and Tuber Crops.
- Studies on the Cape St. Paul Wilt disease of Coconut.

Publications

Kumaga, F.K. and Etu-Bonde, K.

- (2000) Response of Two Promiscuous Soybean *Glycine max* (L.) Merrill.) Genotypes to Bradyrhizobial Inoculation in Two Ghana Soils. *Journal of the Ghana Science Association*, Vol 2. No.1 99-104.

Kumaga, F.K., Klu, G.Y.P., Amoatey, H.M., Bansa, D., and Kumaga, F.K.

- (2000) Cultivation and Use of African Yam Bean (*Phenostylis Stenocarpa*) in the Volta Region of and Ghana. *Plant Genetic Resources Newsletter*, 2000, No. 124: 13-16.

Ofori, K. and Kumaga, F.K. and K.L. Bimi

- (2001) Variation in Seed Size, Protein Tannin Content of Bambara Groundnut (*Vigna subterranea*). *Tropical Science* 41, 100-103.

Amoatey, H. M., Klu, G.Y.P., Bansa, D. and Kumaga, F.K., Benett-Lartey, S.O. and Gamedoagbao, D.K.

- (2000) The African Yam Bean (*Spenostylis stenocarpa*): A Neglected Crop in Ghana. *West African Journal of Applied Ecology*. Vol.1, 53- 60.

Nuertey, B.N., Ofori, K. and Asamoah, T.E.O.

- (2001) Economics of Intercropping Food Crops and in Oil Palm for Small-Scale Farmers. *Journal of the Ghana Science Association* (Accepted for publication - January 2001).

Offei, S. K. and Kyamfi, V.A.

- Effect of a Cowpea Mild Isolate on Growth and Yield of Bambara Groundnut (*Vigna subterranea*) *Legon Ghana Journal of Agriculture Science* (In Press).

Offei, S.K., Cornelius, E.W., Budu, G.K. and Kpese, V.K.

- Reaction of Citrus Rootstocks to *Diplodia Nalatinsis* Pole (Evans): Causal Agent of Citrus and Gummosis Disease in Ghana. *Journal of Science and Technology* (In Press).

Blay, E. T.

- (2001) Genetic Diversity in Cocoyam as Revealed by Random Amplified Polymorphic DNA. *African Root and Tuber Journal* (In Press).

Ofosu-Anim, J.K. Budu, G., Blay, E.T., Offei, S.K.

- Effect of Transplanting Seedlings in Compost on Yield, Fruit Quality and Incidence of Wilt Diseases in Tomato (*Lycopersicon esculentum* Mill.) *Adv. Hort. Sci.* 14 (2000).

Blay, E.T., Ofosu, A.J., and Ntummy, J.

- (2000) Effect of manure and/or inorganic fertilizer on the yield of shallot (*Allium cepa* var *Aggregatum*) (submitted to *Adv. Hort. Sci*)

Obeng-Ofori, D. and Amiteye, S.

- (2000) Enhancing the potency of vegetable oils by combining with pirimiphos-Methyl for the Protection of Stored Cowpea Against Infestation by *Callosobruchus Maculatus* (F) SINET. *Ethiopian Journal of Science* 22 (2), 263-272.

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

- (2000) Efficacy of Plant Extracts and Oils for Protection of Cowpea Against Infestation by *Callosobruchus Maculatus*. *IOBC Bulletin* 23 (10), 177-187.
- (2000) Biological Effects of Plant Extracts Against the Rice Weevil *Sitophilus Oryzae* in Stored Maize. *Journal of Ghana Science Association* 2(2) 62-69.

Oduro, K.A., Godonou, J.R.K., Lomer, C.J. and Afreh-Nuamah, K.

- (2000) Field Evaluation of Selected Formulation of *Beauveria Bassiana* for the Management of Green, the Banana Weevil (*Cosmopolites sordidus*) on plantain (*Musa spp.*, AAB group) *Biocontrol Science and Technology* 10:779-788.

Sowley, E.N.K. and Oduro, K.A.

- Effectiveness of Curing in Controlling Fungal-induced Storage Rot in Sweet Potato (*Ipomoea batatas* (L.) Lam.) in Ghana. *Tropical Science* (In press).

Oduro, K. A.

- *Checklist of Plant pests in Ghana*. Vol 1. Diseases. Plant Protection and Regulatory Services Directorate (2000). Ministry of Food and Agriculture. Accra, Ghana. 105pp.

Blay, E., Cudjoe, A.R., and Braun, M.

- (2000) *Handbook of Crop Protection Recommendations in Ghana: An IPM Approach Vol. Cereals and Pulses*. Plant Protection and Regulatory Services Directorate, Accra, Ghana. 76pp. ISBN 9988-8025-44.
- (Eds.) *Handbook of Crop Protection Recommendation in Ghana: An IPM Approach. Vol 2 Vegetables*. Plant Protection and Regulatory Service Directorate, Accra, Ghana. 92pp ISBN 9988- 9025-5-2
- (Eds.) *Handbook of Crop Protection Recommendation in Ghana: An IPM Approach Vol 3. Root and Tuber Crops, Plantain*. Plant Protection and Regulatory Services Directorate Accra, Ghana. 54pp ISBN 9988-9025-6-0.

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

- (2001). Population Dynamics of *Prostephanus* and *Truncatus* (Horn) and *Sitophilus Zeamais* Motschulsky in a Traditional Barn: The Influence of Maize Variety and Season. (submitted to *Journal of Ghana Science Association*).

Conferences/Workshops Attended

Ayertey, J. N.

- Strategic Alliance for Biotechnology Research in African Development (SABRAD) International Workshop, Accra, Ghana, November 2000.
- Workshop on Crop Protection Policy in Ghana: An Economic Analysis of Current Practice and Factors influencing Pesticide use in Ghana. (PPRSD AND GTZ/ICP) Accra, Ghana, Nov. 2000.
- 1st WAFRINET Local Coordinating Committee (LCC) Workshop, Accra, Ghana, November 2000.

Norman, J.C.

- Participated in the 1st Scientific Workshop organized by the Ghana Institute

of Horti-culturists on September 6, 2001 in Accra and presented a paper on Diagnostic Study of Accra Nurseries.

Kumaga, F.K.

- Closing Workshop on DFID Project R7516: Bridging Knowledge Gap Between Soils Research and Dissemination in Ghana, CSIR Secretariat, Accra, June 20, 2001.
- Workshop on Yam Quality Project, Accra, July 10, 2001.

Blay E. T.

- The Fifth WAPLEC Regional Workshop Farmers, Scientists and Government Agents: Partners in Search of Sustainable Resource Conservation Methods organised by WAPLEC (West African Cluster of the United Nations University Project on People, Land Management and Environmental Change, October 4-9, 2000 Koforidua, Ghana.
- Workshop on Collaborative Platform for Agricultural Research in Sub-Saharan Africa, Warda, Bouake, March 14-16, 2001.
- SABRAD Biotechnology Workshop on Enabling Biotechnology for African Agriculture, November 8-11, 2000, Accra, Ghana.

Obeng-Ofori, D.

- 3rd International Crop Science Congress, Hamburg, Germany. August 17-22, 2000.
- Regional Peer Review Workshop on Short-Term Research Proposals, Bassam, Cote d'Ivoire. November 17-26, 2000.
- Environmental Health Conference, Noguchi Memorial Institute for Medical Research, University of Ghana, Legon. January 3-6, 2001.
- International Workshop on Convergence of Science, Accra, Ghana. February 21-23, 2001.
- Multistateholder Meeting of Poison Control Activities in Ghana, Accra, Ghana. March 22-23, 2001.
- 14th Association of Insect Scientists and 9th Crop Protection Society of Ethiopia, Addis Ababa, Ethiopia. June 4-8, 2001.
- Post-harvest Review Workshop jointly organized by Alcon State University, USA, University of Ghana, Legon and Kwame Nkrumah University of Science and Technology, Kumasi, Ghana. July 30 - August 3, 2001.
- 22nd Biennial Conference of the Ghana Science Association, University of Cape Coast, August 5-9 2001.
- International Workshop on Technographic Studies on Convergence of Science, Accra. September 27-28, 2001

Boateng, B.A.

- First Planning Meeting of Information Network for Post-Harvest Pest Management and Marketing, June, 27-29 2001, Kampala, Uganda. Paper

presented: "Demands for Information and Decision Support in Post-Harvest Pest Management and Marketing in Ghana.

- 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, Entebbe, Uganda.
- Paper presented : "Some Economic Constraints and Opportunities of Importance in the Post-Harvest System".

Cornelius, E. W.

- Yam Quality Workshop, Accra, July 10, 2001.
- 11th Postharvest Convention of the Association of Applied Biologists U.K. at WRI, University of Greenwich, Medway Campus, Chatham Maritime, Kent, May 9, 2001.

DEPARTMENT OF HOME SCIENCE

Overview

The dedication of the few lecturers in the department contributed in no small way to the smooth running of the session under review.

Efforts to improve the staffing situation was not successful and lecturers continued to carry very heavy teaching loads, making it difficult to undertake their planned research activities. The lecturers need commendation.

The department noted with satisfaction the contributions of the Academic Facility User Fees to enhancing the many practical classes, extension field work and other required field trips. However, the lack of a departmental vehicle made arrangements for field work very difficult, time-consuming and expensive.

The department, therefore, as a matter of urgency, requires a vehicle to make our work easier and to make our extension services benefit communities around us.

Our need for bigger laboratories and a new Management Home continues to occupy a high place on our agenda. These facilities will make practical sessions more comfortable for the increasing numbers of students enrolled.

The department is in the process of setting up a library for its students at the Annexe which will go a long way to enhance learning and research.

For the first time department admitted students for the B.Sc. /BA degree for the next

academic year.

Courses

Courses were offered for the following programmes:

- | | | |
|----|----------------------------------|------------------|
| 1. | M.Phil in Home Science | 2-year programme |
| 2. | B.Sc. in Home Science | 3-year programme |
| 3. | BA. With Home Science | 3-year programme |
| 4. | National Diploma in Home Science | 2-year programme |

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

Student Numbers

No fresh post-graduate students were enrolled because those already in the system were still too many for the few staff at post.

Admissions into the various programmes were as follows:

Post-graduate

M.Phil Part II	10
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Undergraduate

Level 200	21
Level 300	20
Level 400	16

Diploma

Year I	22
Year II	35

Total	124
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Staff

There were at post 6 full-time lecturers and 1 part-time tutor. The Department proudly notes the achievement of Mrs. Clara Opare-Obisaw who obtained a doctorate in Nutrition during the session.

Staffing position was as follows:

- | | | |
|----|------------------------------|--|
| 1. | Dr. (Mrs) Clara Opare-Obisaw | Senior Lecturer and Head of Department |
|----|------------------------------|--|

2.	Mrs. Docea Fianu	Senior Lecturer
3.	Dr. (Mrs.) Laetitia Hevi-Yiboe	Senior Lecturer
4.	Mrs. Nabilla Williams*	Senior Lecturer
5.	Mrs. Edith Francois*	Senior Lecturer
6.	Dr. (Mrs.) Angelina Danquah	Lecturer
7.	Mrs. Rosemary Mills-Tettyey	Part-time Tutor
*	On Contract	

Senior and Junior Staff :

Teaching Assistant	1
Chief Technician	1
Temporary Principal Administrative Assistant	1
Clerk Grade II	1
Senior Departmental Assistant	1
Messenger Cleaners	2
Nursery Attendant	1
Labourer	1
Total	9

Research

Despite the heavy teaching load, staff were able to undertake research in various areas of Home Science. However, only a few publications were made as a result of the heavy work-load of lecturers.

Supervised Research Projects of Post-graduate and Undergraduate Students

1. The Economic Value of Women's Work.
2. Environmental Management Practices of Women in Greater Accra.
3. Welfare of Female Porters (Kayayei) in Accra.
4. Child Labour and National Development.
5. Ergonomics in the Garment Industry in Ghana.
6. Developmental History of Children Admitted at the Home Science Child Study Centre.
7. The Effect of Drying Methods on the Dimensional Stability of Ghanaian Printed Fabrics.
8. Knowledge, Attitude and Practice of Family Planning Among Moslem Women in Madina Zongo.
9. Educational and Occupational Aspirations of SSS Students in Two Secondary Schools at Nsawam.
10. Dietary Control of Diabetes Mellitus and the Effectiveness of Counselling in Ghana.
11. Dietary Practices of the Elderly: a Comparison of Rural and Urban Dwellers.
12. Expectations of Home Science Students of the Home Science Programmes at the University of Ghana.
13. The Awareness of Diet-therapy of the Ghanaian.

14. An Exploratory Study of the Hygienic Conditions Under Which Food Vendors Operate in Ashaiman.
15. Food Consumption Patterns of Pre-schoolers at Tatorme, Akatsi, Volta Region.
16. A Survey of Montessori Schools in the Accra Metropolis.
17. Problem and Coping Mechanisms of Estate House Occupancy.
18. The Relationship Between Women's Employment and Child Nutrition in Tema.

Publications

Flanu, Docea, A.G.

- (2000) Hair-grooming Practices Among Female Students of Ogun State University in Nigeria. *Journal of Asian Regional Association of Home Economics*. 7(4) 2000. pp. 239-244.

Danquah, Angelina, O.

- (2001) The Role of the Bio-psychosocial Approach in the Modern Health Care Delivery in Ghana: The Case of Clinical Health Psychology and Nutrition. *Ghana Journal of Psychology*. Vol.1, No.1, pp. 7-16.

Conferences/Workshops/Seminars Attended

Obisaw-Opere, C.

- 4th Session of the International Seminar on the Future of the City and Perspectives on Sustainable Planning and Development, October 2000, Accra.
- Workshop on Women-Special Targeted Projects in Natural Resources, February 2001, Accra.
- Launching of National Pharmacovigilance Centre, June 2001, Accra.

Flanu, Docea A.G.

- Seminar by Reseau Ghaneen of SADAOC Foundation on "Food Consumption Patterns, Food Processing and Food Security in Ghana", Accra

Extension Work

Opere-Obisaw, C.

- Gave a Lecture on "Personal Management" to the Youth at Covenant Presbyterian Church, Accra.
- Continued to serve on the Ghana Food and Drugs Board.
- Continued to serve on the Presbyterian University Implementation Committee.

Fianu, D.A.G.

- Served on Textiles & Clothing Moderating Committee for WAEC.
- External Examiner for Department of VOC/TECH, University of Cape Coast.
- Deputy Senior Tutor, Volta Hall.
- President, Ghana Home Economics Association.
- Served as Role Model on two occasions for Primary & JSS pupils in villages around Donkorkrom and gave them a talk on "Educational and Career Aspirations"

Hevi-Yiboe, L.

- Guest on JOY FM Radio to discuss "Money Management by Families in the Face of Limited Income".
- Guest on Radio Universe to discuss "Home and Family Resource Management and How Home-makers Can Cope with Career and Home Management" at GIMPA.
- Guest Speaker and Chairman at Ho Deaconery Catholic Women's Congress.
- Guest Speaker at Lees Cakes and Pastries Graduation Ceremony.

Danquah, Angelina O.

- Honorary Coach, Amalgamated Sports Club, Legon.
- Gave a Lecture on "Food Handling" to workers in the Catering Section of the University Guest Centre.
- Served on the Local Organizing Committee of WAUG Games.

Benefaction

The department is extremely grateful to Dr. Jean Steckle for honouring her promise of US\$33,000 for the establishment of a Foundation to support research in Food, Nutrition and Health in rural communities. Dr. Lila Engberg also honoured a promise of US\$5,000 for computer and accessories for internet access. The computer has since been purchased and internet services connected. The department is profoundly grateful for these very kind gestures.

DEPARTMENT OF SOIL SCIENCE**Overview**

During the period under review the Department taught courses in Soil Science to students of Agriculture, Geology and Geography. The programmes offered include:

Programme	Number of students
National Diploma in Agriculture (NDA I & II)	38
B.Sc. Agriculture	44
MPhil and Ph.D.	4

The Department undertook a major review of its curriculum in the light of decreasing number of students that have expressed interest in specializing in Soil Science in their final years. Many of our courses have been re-designed and new courses have been introduced in an attempt to address the many environmental problems of both urban and agricultural lands. The revised curriculum also seeks to enhance the employment opportunities of Soil Science Graduates by considering the current trends in the job market for agriculturists in Ghana and abroad. The revised curriculum will be tabled for consideration by the Faculty of Agriculture Board within the Faculty of Agriculture Curriculum Restructuring Framework.

Research

Research work in the Department continued to focus on diverse soil-related problems such as: soil degradation and rehabilitation using agro-forestry techniques, soil salinity and its amelioration, nitrogen fixation by legumes, derivation and test of pedo-transfer equations for soil database development, compost production from fresh water weeds and Volta Basin Research. Other areas of research include the improvement of crop yields in different agro-ecological zones of Ghana using integrated plant nutrient management systems, use of phosphate rock to increase the fertility level of P-deficient acid soils of Ghana and the agronomy of medicinal plants.

The Department continues to collaborate with other Institutions both internally and externally. Senior Members of our Department have rendered teaching research supervision services to the Department of Agricultural Engineering. We have also carried out joint soybean field trials with the Department of Crop Science. Externally, the Department has collaborated with the International Fertilizer Development Center (IFDC) in spearheading research in crop modelling and model applications for agricultural planning. The Danish Institute of Agricultural Sciences (DIA) is supporting research in the seasonal forecasting of crop yield using crop and climate models. In relation with the latter, the Department hosted Dr. Joergen Olesen, the Director of the Danish Institute of Agriculture, Foloum, Denmark for 2 weeks (April 18-29) to discuss the details of the collaboration.

The Department also took delivery of Soil Science equipment worth DM 60,000.00 (sixty thousand German Marks) or about 200 Million Cedis, being a donation from the Alexander von Humboldt Foundation, Germany. This is a fall-out from the post-doctoral fellowship granted to Dr. S.G.K. Adiku from 1997-1998 in Germany.

The Department expects to see growth in research in the areas of irrigation management having been short-listed for support within the US-Israeli-Ghana project. A final decision will be taken by November 2001. Another project proposal in the area of carbon sequestration, submitted in the period under review jointly with the University of Florida, USA to the USAID has received high recommendation from reviewers. A final decision on this proposal will be taken by the end of 2001.

Staff Strength

With the exception of Dr. A. L. Nyamekye who has returned to the Soil Research Institute after successfully completing his term of visiting scholarship with the Department, staffing has remained unchanged.

Teaching and Research

Dr. S.G.K. Adiku	Senior Lecturer and Head of Department
Prof. S.K. A Danso	Professor
Dr. G.N. Dowuona	Snr. Lecturer
Dr. S. Asuming-Brempong	Lecturer
Dr. M. K. Abekoe	Lecturer
Dr. T. A. Adjadeh	Lecturer
Prof. K.B. Laryea	Professor (on contract)
Prof. J.K. Amatekpor	Assoc. Professor (on contract)
Dr. A.L. Nyamekye	Pmn. Research Scientist (Visiting Scholar)

Administrative & Technical Staff

Ms. N. A. Lassey	Administrative Assistant
Ms. G.A. Frimpong	Clerk II
Mr. J. Abadoo	Messenger/Cleaner
Mr. J. Nartenor	Principal Technician
Mr. C.K. Asagba	Assistant Transport Officer
Mr. E. Nortey	Senior Driver
Mr. B. Anipa	Chief Technician (adjunct with VBRP)
Mr. V. Edusei	Technician
Mr. M. Aggrey	Technician
Mr. D. Nkansah	Assistant Technician G1
Mr. G. Aboagye-Addo	Assistant Technician G2
Mr. S. Boakye	Technician Assistant G2
Mr. R. Adjei	Grounds-man

Publications

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

- (2001) Long-term Cropping Effect on Phosphorus Fractions in an Ultisol of the Humid Forest Zone of West Africa. *Comm. in Soil and Plant Anal.* (Submitted).

Adiku, S.G.K., Ozier-Lafontaine, H. and Bajazet, T.

- (2001) Patterns of Growth and Water Uptake of a Maize-cowpea Mixture Grown Under Green- house Conditions. *Plant and Soil* (In Press).

Adiku, S.G.K., Osei, G., Adjadeh, T.A. and Dowuona, G.N.

- (2001) Test of the Sur and Kukal's Modified Hydrometer Method for Particle Size Analysis. *Catena* (Submitted).

Adjadeh, T. A. and Tanaka, S.

- (2000) Agro-ecological Zones and Soils of Ghana From Space. *Restec Newsletter*, March 2000, No. 36, pg. 3-6. Remote Sensing Technology Center of Japan.

Adjadeh, T. A., Kondo, R. and Tsutsuki, K.

- (2001) Second edition of Soil Taxonomy: The Fate of Alic Melanudands and Alic Fulvudands. *Soil Science and Plant Nutrition*. (Submitted)

Asuming-Brempong, S.

- (2000) A Phospho Lipid Fatty Acid (PLFA) Approach to Assess the Resilience of Soil Microbial Community After Long Term 2.4-D Selection. (Submitted)

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

- (2001). Farming-system Induced Variability of Some Soil Properties in a Sub-humid Zone of Ghana. *Plant and Soil* (In Press).

Fenning, J.O., Dogbe, W. and Danso, S.K.A.

- (2000) Competition for Nodule Occupancy on Cowpea by effective and Ineffective Brady-rhizobium Strains. *Tropical Soils* 40: 62-67.

Fenning, J.O., Dogbe, W. and Danso, S.K.A.

- (2000) Assessment of the Potential to Improve Nitrogen Fixation by Cowpea in Ghanaian Soils. *Amer. J. Alternative Agriculture* 16; (2): 57-65

Rose, C. and Adiku, S.

- (2001) Conceptual Methodologies in Agro-environmental Systems. *Soil and Tillage*.

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

- (2000). Water Surface Measurement of Lake Volta Using SSM/I 37-GHz Polarization Difference in the Rainy Season (Accepted).

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

- (2000) A Phase Analysis of Season on the Earth Surface Using GVIP Data (Submitted).

Willoughby, N., Grimble, R. and Amatekpor, J.K.

- (2000) The Wise Use of Wetlands: Identifying Development Options for Ghana's Coastal Ramsar Sites. *Marine Pollution Bulletin* (in Press).

Conference, Seminars and Workshops

Adiku, S.G.K., Kumaga, F.K., Dowuona, G.N. and Naab, J.B.

- (2000) Using Crop-Environment Models to Enhance Agricultural Research and Development (R&D) in Ghana. SADAOC Meeting, November 18-25

Grand Bassam, Cote d'Ivoire.

Adiku, S.G.K.

- (2001) Operational Tools for Regional Land Use Analysis. February, 18-28, Wageningen University, The Netherlands.

Adiku, S.G.K.

- (2001) 4th Session of OAU Inter Africa Expert Committee on African Soils. August 6-8, Accra, Ghana.

Asuming-Brempong, S. Narh, S. and D. Ampeh

- (2001) Effect of Landform, Tillage Methods and Different Weed Control Methods on Soil Microbial Community Structure in a Vertisol. In: Abstracts 17th Annual General Meeting of the Soil Science Society of Ghana.

Dorgbetor, W.H., Amo Dowuona G.N., and Amatekpor, J.K.

- * (2001) Morphology and Classification of Series in the Lower Volta Flood Plains, Ghana. International Conference on Managing Soil Resources of the Tropics. February 26- March 2, Tamale, Ghana.

AGRICULTURAL RESEARCH STATION, LEGON

Overview

The Agricultural Research Station, Legon is one of three Research Stations of the Faculty of Agriculture. It is essentially a livestock station and maintains cattle, pigs, donkeys, sheep, goats and poultry for teaching, research and commercial purposes.

Courses/Practical Training

Research Officers at the station continued to participate in the academic activities of the Animal Science Department by way of lecturing and supervision of student research projects.

The Station continued to provide facilities for practical classes for the different levels of animal science courses offered in the Faculty of Agriculture.

During the long vacation, Post level 200 B.Sc Agric students were in residence for their farm experience. Students from other institutions were also accepted into residence for practical training at various times during the long vacation. The institutions involved were:

- (a) University College of Education, Winneba (UCEW)-Ashanti-Mampong campus
- (b) Central University College
- (c) Damongo Agricultural College

The Leventis Foundation Farmers' Training Programme (LFFTP) continued to organise the ten-month training programme in practical agriculture.

The Station hosted many agricultural science students from secondary schools around the country on excursion to see animal production methods.

Staff

Mr. Leonard Adjorlolo joined the staff as Research Officer (Animal Nutrition) in June 2001.

The following staff retired at the end of September 2001:

Mr. B.K. Nsiah	Principal Research Assistant	22 years service
Mr. Sowah Adjetey	Assistant Farm Supervisor	32 years service
Mr. Osmanu Zakaria	Assistant Security Officer	33 years service
Mr. Animah Apiah	Labourer	22 years service

Research and Extension

Drs Canacoo and Naazie were involved with the Benson Agricultural and Food Institute (BAFI), Provo, Utah, USA, in a collaborative project to improve the nutrition of village folk at Okwenya, Eastern Region, through better animal husbandry.

Specific areas of research in which staff were involved are as follows:

Adjorlolo, L.K.

- Studies on the Use of Forage Legume Seeds as Protein Supplements for ruminants.
- Studies on the Synergism Between Chemical and Biological Treatments of Cereal Crop Residues as Feed for Ruminants.

Adogla-Bessa, T.

- Productivity of Sheep in Forest and Savanna Zones.

Canacoo, E.A.

- Animal Traction Ploughshare Development (ongoing collaboration with School of Engineering, KNUST).

Naazie, A.

- The Effect of Level of Inclusion of Roxazyme G on Performance in Broilers. (Completed June 2000).
- Evaluation of the Efficacy of Commercial Concentrate on Protein Sources for Broilers (Completed June 2000).
- Effect of Feed Restriction on Performance in Layers (On going).

Publications

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

- (2001) Preference of Sheep for Three Forms of Forage and the Effect of Supplemental Mucuna Mucuna on Intake and Growth of Sheep. *Tropical Animal Health and Production* (submitted).

Adogla-Bessa, T., Awotwi, E.K., Canacoo, E.A., Oppong-Anane, K. and Oddoye, E.O.K.

- (2001) The Effect of Age at Mating on the Behavioural Interactions Between Primiparous Djallonke Ewes and Their Lambs at 36 h Post-partum. *Applied Animal Behaviour Science* (in press).

Canacoo, E.A., King, L.K., Awumbila, B., and Ofosu-Amaah, S.

- (2000) An Assessment of the Safety of Street Foods in the Ga District of Ghana: Implications for the Spread of Zoonoses. *Acta Tropica* 76(1):39-43

Canacoo, E.A., Arko-Mensah, J., Bosompem, K.M., Wastling, J.M., and Akanmori, B.D.

- (2000) Seroprevalence of Toxoplasmosis in Pigs in Ghana. *Acta Tropica* 76(1): 27-31.

Canacoo, E.A., Van Der Puije, W.N.A., Bosompem, K.M., Wastling, J.M. and Akanmori, B.D.

- (2000) The Prevalence of Anti-Toxoplasma Gondii Antibodies in Ghanaian Sheep and Goats. *Acta Tropica* 76(1): 21 26

Naazie, A. and Botchway, A.V.

- (2001) What Has Been the Focus of the Research Efforts of Animal Scientists in Ghana? Ghana Society of Animal Production (GSAP), 12th Conference and 15th Annual General Meeting, August 29 - September 2, 2001, Cape Coast (Abstract).

Naazie, A. and Ekpe, S.K.

- (2001) Poultry Production, Problems and Willingness of Farmers to Support Research. Ghana Society of Animal Production (GSAP), 12th Conference and 15th Annual General Meeting, August 29 - September 2, 2001, Cape Coast (Abstract).

Conferences/Workshops/Seminars

Canacoo, E.A.

- International course on Poultry Production and Health, Egyptian International Centre for Agriculture (EICA), Dokki-Cairo, January 15 - March 31, 2001.
- Alcorn State University/KNUST/University of Ghana Post-harvest Curriculum Review Workshop, Kumasi, July 30-August 1, 2001.

- Animal Traction Ploughshare Development/SADAOC Project Workshop, School of Engineering, KNUST, Kumasi, August 22, 2001.

Naazie, A.

- 12th Biennial Conference, Ghana Society of Animal Production, University of Cape Coast, August 29 - September 2, 2001.
- First Agricultural Modeling Seminar in Ghana, Science and Technology Policy.

AGRICULTURAL RESEARCH STATION, KADE

Overview

The Agricultural Research Station-Kade continues to conduct research into forest agricultural crops, with main emphasis on citrus, plantain, rice, vegetables, organic waste recycling (composting), and extension. Rubber research at the station has been given a further boost with the establishment of new high yielding clonal garden. Clonal materials were received from Rubber Research Institute of Sri Lanka and Ghana Rubber Estates Limited at Takoradi. Owing to high cost, senior members at the station could not continue with teaching appointments at the Faculty. Our vision is to diversify our income generation activities. In addition to our traditional income from citrus, the station hopes to increase our income generation activities in plantain sucker production, rice and vegetable seed production and organising training courses for farmers.

Administration

Dr Ofosu-Budu K. G., Senior Research Officer, was appointed Officer-in-Charge of the station effective October 1, 2001. Prof. K. Afreh-Nuamah returned to post in December 2001, after two years leave of absence. Mr Adjei-Nsiah left for the Wageningen University in the Netherlands in January 2002 to proceed with his Ph.D programme. Dr. J. K. Osei, Senior Research Officer, proceeded on his sabbatical leave.

Staffing Position

1.	Dr. Ofosu-Budu K. G.	Senior Research Officer	Officer -in-Charge
2.	Prof. Afreh-Nuamah K.	Assoc. Prof	
3.	Dr. Hotsonyame G. K.	Senior Research Officer	
4.	Dr. Oduro-Nkansah G.	Research Officer	
5.	Mr. Ahiekpor E. K. S.	Senior Research Officer	(On contract)
6.	Dr. Osei J. K.	Senior Research Officer	(Sabbatical leave)
7.	Mr. Adjei-Nsiah S.	Research Officer	(Study leave)

Courses/Practical training

Students from the University of Ghana, University for Development Studies and other Tertiary institutions visited the station for practical training. The station also

continued to train farmers selected from the Eastern and Volta regions who were sponsored by WAPLEC, FORUM. The station received students under the special Leventis programme.

On-going Research

Ofosu-Budu, K.G.

- Sustainable rice production system in the valley-bottom areas of Kwaebibirem and adjoining districts, viz use of rock phosphate and indigenous leguminous crops to improve the soil fertility status of valley bottoms for rice production.
- The effect of irrigation on fruit quality, holding capacity and length of harvesting period of Valencia sweet oranges on four rootstocks.
- Effect of sorting and packaging on fruit quality, consumer acceptability and percentage losses of Valencia Sweet orange

Ofosu-Budu, K.G and Oduro-Nkansah, G.

- Effect of phospho-compost on nutrient uptake, yield and fruit quality of heat-tolerant tomato.

Ofosu-Budu, K.G. and Collison Brentu

- Effect of Organic soil amendments on growth and pest incidence in the sucker production of four plantain cultivars.

Godfried Hotsonyame

- Crop Physiology/Production
Research area: Cropping systems of food crops, particularly, plantain, maize, cassava and cocoyam.

Current Research

- Evaluation and use of tropical legume covers to sustain food crop production in reduced fallow systems of cropping.
- Evaluation of yield potential of some local cassava varieties.

Oduro-Nkansah, G.

- Rehabilitation of Avocado pear and mango orchards

Current work

Seeds of local mangoes were collected from ARS Kade and Kintampo and nursed in April 2001. Seedlings were transplanted in pots filled with topsoil and carbonated rice husk in July. Four weeks after transplanting grafting using the wedge or cleft method was carried out on suitable seedlings. The following varieties were used as scions for the grafting: Keitt, Palmer, Zill, Jacqueline, Springfield, Haden, Florigon and Sunset. Planting materials to cover a five acre land is available for planting in

June 2002. Grafting is still in progress.

Proposed Research activities for Avocado Pear and Mangoes

- (a) Selection of several desirable trees in the country, evaluation and multiplication by improved propagation techniques.
- (b) Evaluation of propagation methods to ensure the establishment of good orchards in the country
 - Fertilizer studies to establish proper cultural and management packages for growers
 - Spacing and hedging trials for ease of harvesting
 - Analysis of chemical composition of fruits
 - Utilization of nitrate fertilizers and other chemicals to induce flowering in mangoes

Research Highlights

Ofosu-Budu, K.G. and Osew, Kumi

Evaluation of citrus rootstocks: Changes in disease pressure, consumer preferences and industrial needs (yield) make it important to constantly evaluate suitable citrus rootstocks. Rootstocks affect the juice quality, tolerance of trees to diseases, plant architecture and other horticultural characteristics. Rough lemon has been the leading rootstock for the citrus industry in Ghana for some time now. However, the devastating effects of the gummosis disease and the effect of poor fruit qualities imparted by the rootstock, have made it necessary to evaluate other rootstocks. A rootstock museum has been established at the station, with the following materials: Rough lemon, Cleopatra mandarin, Rangpur lime, Volkameriana, Swingle citrumelo, Shekwansha, Sunki, Yuzu, Carizzo citrange, Troyer citrange, citrus. Among the promising ones are the following: Rough lemon, Cleopatra mandarin, Volkameriana, Swingle citrumelo, Shekwansha, Sunki, Yuzu, Carizzo citrange, Troyer citrange, Poncirus trifoliata. Fruits of the Valencias Sweet oranges (Late, Olinda and Frost) on Rough lemon, Cleopatra mandarin, Volkameriana and Swingle citrumelo have been analysed for both yield and juice quality for the past two years. Results show that rough lemon and Volkameriana gave the highest fruit weight, (180-220g) and number, but lowest juice quality (brix value 10%). Although the fruit sizes on Swingle citrumelo rootstock were smallest (170 g), it gave the highest brix value 12%.

Ofosu-Budu, K.G.

Juice Quality of Sweet Oranges: The juice quality of the different sweet orange varieties produced in Ghana including Sekkan (early), Pineapple (mid-season) and Late Valencia (late) maturing have been examined. Parameters which were studied included the fruit weight, juice content, brix, titratable acidity and juice colour. The results indicate that in spite of the poor skin colour, sweet orange juice produced in the country is comparable to those of the

leading citrus juice exporters. The poor skin colour is partly due to the high humidity and temperatures during the ripening period.

Ofosu-Budu, K.G. & Quaye, A.

Rice: Four promising varieties which are long grained have been selected after four years trials at both on-station and farmer-managed conditions. The rice varieties which yield between 4-5 tons/ha have also been tested by panellists(students) from Legon campus and Madina. The milling yield, percentage breakage and appearance etc. have all been evaluated, and these compared favourably with the imported US varieties. The selected rice varieties have been submitted to the Rice Release Committee of the Ministry of Food and Agriculture. More on-farm trials are going to be conducted on farmers field in the adjoining districts.

Ofosu-Budu, K.G. Quainoo S. and Arthur, E. (UDS, Tamale)

Effect of rate of paddy drying on rice quality: Rice is normally harvested at 20-22%, and milled at 12-14% moisture content. The rate at which the paddy is dried affect the percentage breakage of the grains and overall quality of the rice. A study was conducted to examine the optimum rate of drying at which grain breakage will be minimised for two rice types; medium and long grain. The rate of drying was achieved by varying the depth of the paddy in the drying box. Three depths 5, 10 and 15 cm. and two environments sunny and shade conditions were investigated; the Temperature and relative humidity were monitored. Preliminary results showed that, the rate of drying is important for the long grained rice varieties but not for the medium grained types. Temperature ranged between 30-35°C. No significant difference was observed between the paddy dried under shade and sunny conditions. The highest percentage breakage was obtained for the long grained variety at 5 cm depth.

Ofosu-Budu, K.G., Quaye, A. and Kumi, S.O.

Composting: Human activities churn out significant amounts of organic wastes into the environment. Some of these organic wastes include by-products of agricultural activities such as poultry manure, sawdust, cocoa husk, palm bunch, rice straw etc. These agricultural wastes contain plant nutrients, such as N, P and K and so can be used as organic fertilizers. However, these cannot be used in their original state, as they are bulky, and may contain excess moisture, pathogens, offensive odor or could release noxious gases and heat. Recently, concern about the environment, health hazards and pollution caused by the inappropriate ways of managing the organic waste produced by the system is receiving worldwide attention. The objectives of composting are to treat the wastes and to reclaim valuable substances present in the wastes for possible use.

A suitable method for composting agricultural wastes (sawdust, poultry droppings, cocoa husk) that can be adapted for farmers has been developed at ARS-Kade and

maturity standards have been established for matured composts. Some of the parameters used to establish the maturity standards included CO₂ evolution, temperature, nitrate concentration, humus colour, electrical conductivity and germination test.

Visits by Very Important Personalities:

A team of consultants tasked with the drawing up of Rubber Master Plan for Ghana visited the station on May 23, 2001. The team was led by Mr. Patrick LeMaitre. The Hon. Minister of Food and Agriculture, Major (Rtd.) Courage Quarshigah paid a working visit to the station on October 29, 2001. The Vice Chancellor, Prof. Addae-Mensah, also paid a working visit to the station on December 12, 2001. He was accompanied by the Dean, Prof. Ben Ahunu. An entourage of elders from the Okumaning palace were present to discuss timber issues with the Dean and the Vice Chancellor.

Donation

The station received two power tillers and accessories (plough, harrow and irrigation set) and one tricycle worth 70 million cedis from the Minister of Food and Agriculture, Major (rtd) Courage Quarshigah, to boost the activities of the station, especially research work on the valley bottom rice production.

AGRIFEX 2001

The station mounted a stand at the week-long 1st Food and Agricultural Fair at the Trade fair site between December 2-9, 2001.

Commercial Activities

The station received a request from Adventist Development and Relief Agency (ADRA) to supply 80,000 citrus planting materials to be distributed to farmers in the Eastern region. The supply of these citrus planting materials is the second phase of a collaborative programme between ADRA and University of Ghana in poverty alleviation.

Leventis Building

Work on the Leventis building which is going to accommodate about thirty students is progressing steadily. The building has reached the lintel level and will very soon reach the roofing stage.

Workshops/Seminars/Conferences Attended

Ofosu-Budu K. G.

- Measures to Increase Rice Production in Ghana Accra MOFA, March 28, 2001.
- Post-harvest Curriculum review workshop. Christian village, Kumasi. July 30 - August 3, 2001.
- Seminar on rubber development Programme in Ghana. Takoradi. September

7, 2001.

- Post-harvest Technology/Micro-Enterprise development/Quality Assurance Curriculum Review Workshop, Kumasi, November 1-2, 2001.

FACULTY OF ARTS

LANGUAGE CENTRE

Overview

In the 2000/2001 academic year, the Language Centre continued to teach its programmes, do research and provide extension services under extremely severe constraints. As in the previous years, programmes in Academic Writing, Ghanaian Languages and English as a Foreign Language (EFL) were offered. The EFL showed an increase in applications and enrolments.

From April to August 2001, under a special arrangement between University of Ghana/Kwame Nkrumah University of Science and Technology and Schlumberger (France), the Language Centre ran an intensive English language programme for eighteen foreign students from Angola, Equatorial Guinea, Central African Republic and Gabon.

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

Courses

As usual, the Language Centre ran 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) The Ghanaian Language option in the African Studies programme for Level 200 students (AFST 260). In the year under review, the languages offered were Asante Twi, Ewe, Ga, and Dagbani.

Student Numbers

In the Certificate of English Proficiency programme there were 25 full-time students, and 2 occasional students. 600 students registered for the African Studies Ghanaian Language option (AFST 260).

The Academic Writing course was taken by all Level 100 students of the University and all Level 200 students from the Faculty of Arts, a total of about 4.000 students.

Staff

Mr Evershed K. Amuzu, a Research Fellow, left for Australia in May 2001 to pursue a PhD programme in Linguistics at the Australian National University at Canberra. Mrs Sika Ahadzie, a Research Fellow and the Co-ordinator for the Language and Study Skills Unit, also left at the end of the academic year to pursue a PhD programme at the University of Birmingham in the UK. Mr. Cobbinah Swanzy, a Tutor, took a sabbatical leave at the end of the 2000/2001 academic year. Mrs Vera Arhin, a Tutor, was appointed the co-ordinator for the Language and Study Skills

Unit from August 2001.

Mrs. Vera Arhin received an MPhil in Applied Linguistics from the Linguistics Department. Mrs. Kafui Ofori also obtained the MPhil in Ghanaian Language Studies from the Linguistics Department. Mrs Kafui Ofori was subsequently appointed a Research Fellow at the Language Centre from October 2001.

The Language Centre staff on the ground throughout the year numbered 5 senior members (4 full-time and 1 temporary), 13 senior staff including 4 instructors and 5 temporary senior research assistants, and 7 junior staff.

Extension Work

Dr K. Andoh-Kumi continued to assist the Institute of Education of the University of Cape Coast as the Chief Examiner (Ghanaian Languages) for Teacher Training Colleges. He also served as the National Evaluator for GTZ-ASTEP textbook project for the Teacher Training Colleges. Dr Andoh-Kumi and Dr Adika served as members of the editorial team for the University of Ghana Distance Education programme. Dr Adika also continued as a guest lecturer to Ghana Armed Forces College (Junior Division) on Effective Communicative Skills.

Mr O. N Adu-Gyamfi and Mrs Kafui Ofori continued as examiners for WAEC in Asante Twi and Ewe respectively. Mrs Vera Arhin examined and evaluated English Language test materials for WAEC.

Research Activities

Senior members of the Centre continued research and consulting work in the following areas:

Andoh-Kumi, K.

- A Systemic Grammar of Akan in Twi
- Language of Instruction In Ghana (Theory, Research and Practice)
- (with 6 other researchers from UG, UCEW, UCC and USAID) continued the work on the "Implementation of the School Language Policy in Ghana" (A USAID/IEQ Multi-Site Qualitative Research Project).

Adika, G.S.K

- Primary and JSS Level textbooks on English Language
- Written Communication and the Construction of Knowledge: Discourse Organisation in the Written Texts of University Students.
- Conversion of doctoral thesis to textbook - "Advanced Composition in Second Language Contexts.

Adika, G.S.K with Osam, K.

- Punctuation in Expository Discourse.

Arhin, Vera E.M.

- Students' Learning Strategies and the Acquisition of Academic Literacy
- The Learner-Centred Teacher – A Guide to Teaching English Language in Ghanaian Schools (A Book Project)

Conferences/Workshops/Seminars

Andoh-Kumi, K.

- September 26-28, 2001, International Conference on The Co-existence of Languages in West Africa at the University of Ouagadougou, Burkina Faso. Paper Presented: "The Teaching and Learning of Ghanaian Languages- the Teacher Factor".
- October 2-4, 2001, National Seminar on the Implementation of School Language Policy in Ghana held at the Sasakawa Centre, University of Cape Coast. Paper Presented: "Socio-economic and Political Aspects of Language Policy"

Adika, Gordon S.K.

- March 14, 2001, Linguistics Department Seminar Series. Paper Presented: "In Search of the Sublime: Language and Reality in Ladé Wosornu's Poetry"

Publications

Andoh-Kumi, K.

- (Forthcoming) Language of Instruction in Ghana – Theory, Research and Practice AIR-IEQ Washington
- (Forthcoming) "Apala" (Chapter Three) in The Implementation of the School Language Policy in Ghana USAID/IEQ Multi-Site Qualitative Research Report.
- (2001) Akan Kasa Mmara. Accra. IGLE
- (2001) Akan _nne Nnyegee_ Ho Adesua Bi. Accra. IGLE

Adika G.S.K.

- (Forthcoming) Ladé Wosornu's Journey Without End: A Study Guide. (Woeli Publications)
- (Forthcoming) A Study Guide to African Poetry (Smartline Publications)

DEPARTMENT OF LINGUISTICS

Overview

During the 2000/2001 academic year, the Department of Linguistics continued its tradition of providing a friendly but stimulating and challenging atmosphere for both undergraduate and postgraduate students. It also provided an amiable

environment for faculty members to engage in research, teaching and extension activities.

In collaboration with the office of the Dean of Faculty of Arts and the Department of Classics, the Department painted the building that houses it for the first time in many years. The frontage of the building was also landscaped to enhance the beauty of the surrounding area.

Courses

The Department continued to offer Bachelors, Graduate Diploma, Masters, M.Phil and Ph.D programmes in Linguistics and Ghanaian Language Studies.

The core courses offered at the various levels (100-600) included the following: General Linguistics Theory (Phonetics, Phonology, Morphology, Syntax and Semantics), Linguistics of Ghanaian Language (Akan, Ga/Dangme, Ewe and Dagaare). Socio-linguistics, Applied Linguistics, Theory of Translation, Language and Culture, Stylistics, Discourse Analysis, and Ethnography of Speaking were offered as elective courses.

Student Numbers

The department had the following numbers for the year 2000/2001.

Level 100	521
Level 200	341
Level 300	166
Level 400	70
Level 500	2
Level 600	3
Ph.D	3

Staff Position

There were twelve senior members on the ground: four professors, three senior lecturers, four lecturers and a tutor:

Professor Kwesi Yankah	Full Professor and Dean of Faculty of Arts
Professor Florence Dolpyne	Full Professor (on contract)
Professor L.A. Boadi	Full Professor (part-time)
Professor Alan S. Duthie	Associate Professor (on contract)
Dr. Akosua Anyidoho	Senior Lecturer and Head of Department
Dr. Kofi Saah	Senior Lecturer
Dr. Kweku Osam	Senior Lecturer
Dr. Paul Agbedor	Lecturer
Mr. George Akanlig-Pare	Lecturer
Mr. James Saanchi	Lecturer
Mr. Kofi Agyekum	Lecturer

Dr. Alex Dzameshie spent the year at the University of Reading, England, on sabbatical leave.

Research and Extension

In the face of the large number of students in the department, senior members increasingly found it difficult to pay a great deal of attention to their individual research and extension activities. However, some progress was made under the circumstances. The Department continued to devote attention to a major research project initiated in 1996 in collaboration with the Linguistics Department of the Norwegian University of Science and Technology (NTNU) Trondheim with support from the Norwegian Research Fund for Universities (NUFU).

The project has three components. The first is the Adult Literacy project in the Builsa area of the Upper East Region, which seeks to link the department with the people of the country. Through the project, members of the communities in the project site benefit from the expertise available in the department. The second involves the typological study of some Ghanaian languages, namely: Akan, Ewe, Ga, Dagaare, Buli and Gurune. The third is the dictionary project in Akan and Ewe.

The academic staff researched into various aspects of linguistics as follows:

Agbedor, P.K.

- Lexical Borrowing: The Case of Ewe
- The Structure and Language of Ghanaian Adverts
- Focus of address in Ewe
- Reduplication in Ewe

Agyekum, Kofi

- Ph.D Thesis in Akan Metalanguage and Terminology Development for the teaching of Akan.
- Research into Akan Linguistic Routines
- Pragmatics of Greetings
- Pragmatics of Request
- The Ethnography of Apology
- The Ethnography of Akan Personal Names
- Akan Honorifics
- Aspects of Akan Literature:- Kasadwini
- Akan Language Modernisation and Elaboration - AfisEm Programme - Radio Universe.

Akanlig-Pare, G.

- Phonetics and Phonology of Buli
- Adult Literacy project

- 2000 Parliamentary and Presidential Elections in Ghana.

Anyidoho Akosua, L.

- Neologism in Akan
- Akan dictionary project
- Adult literacy in the Balsa area of the Upper East Region

Duthie, A. S.

- Comparing translation of Hebrew Psalm 1. 1-3 & Greek Hebrews 1. 1-3 in Ghanaian Languages; (considered starting Ewe lexicography project).

Osam, E. K.

- Syntax and Semantics of Akan

Saah, K.K.

- Topics in Akan Syntax and Semantics: Adverbs, Relative Clauses and Coordination

Saanchi, J.A.

- Continued work on the Grammar of Space as part of doctoral studies.

Yankah, Kwesi

- Encyclopedia of African Folklore.

Conferences/Seminars/Workshops

Agyekum, Kofi

- Academic Retreat on the Restructuring of Linguistic Courses at Aburi. May 8 - 10, 2001.
- Book writing at UNIMAX at BGL, Accra. September 13, 2001.
- Workshop on the Harmonisation of Akan Orthography in Abidjan, September 7-8, 2001.

Apenteng-Sackey, E.

- Workshop on Item Writing for WAEC Examiners at Ajumako October 9-12, 2000.
- Akan Dictionary Project in January, March 1 and 16, 2001 at Trinity Theological Seminary, Legon.

Anyidoho, L.A.

- International Comparative Literature Conference, University of South Africa, Pretoria. August 14-19, 2000. Paper read: " Transgression in Oral Poetry: The case of Modern Libation in Akan".
- Ghana English Studies Association Annual Conference and Workshop,

University of Cape Coast, August 2000. Paper read: "Teaching Reading Effectively."

- West African Languages Congress, University of Ghana, Legon, August 15-19, 2000. Paper read on my behalf: "Slang in Akan".
- African Poetry Festival, University of Durban, South Africa. June 2001.
- Seminar, Department of Linguistics University of Ghana, April 2001. Paper read: "Storytelling in Buli."

Duthie, A. S.

- Paper on "Starting Reading English from Various Ghanaian Languages at West African Language Congress, Legon, August, 2000.
- Pre-primers for Starting Reading English from Akan: Sent to Ghana English Studies Association Conference, Cape Coast, August, 2000.

Osam, E. K.

- Conference Paper: "Transitivity and Reflexivisation in Akan." Presented at the 22nd WALC Congress, August 2000, Legon.
- Seminar Paper: "The Discourse of Political Discontent. Linguistics Department."

Saah, K. K.

- 2001: "Adverbs in Akan." paper presented at Department of Linguistics Seminar, Legon, 25th April.
- 2000: "A study of Akan Adverbs." Paper presented at the 22nd West African Languages Congress, University of Ghana, Legon, August 15-19, 2000

Saanchi, J. A.

- "Aspect and the Dagaare Verb". Paper presented at the 3rd International Colloquium on Gur Linguistics, Kara, Togo, February 19-22, 2001.

Publications

Agbedor, P. K.

- "Lexical Borrowing: The Case of Ewe" *Linguistique Africaine*. (Forthcoming).
- "Ewe Personal Pronouns & Coordination." *New Directions in Ghanaian Linguistics*. K. Osam and F. Ameka (eds). (In Press).

Agyekum, K.

- "Indigenous African Education." (Forthcoming). *Journal of Cultural Transmission in the African World (JCTAW)*.
- "Akan Cultural Terms and Linguistic Relativity" (Forthcoming) *Journal of African Roots*.
- "Aspects of Akan Oral Literature in the Media" (Forthcoming). *Research*

Review Vol 16 No.2

- "Menstruation as a Verbal Taboo among the Akan" (Forthcoming). *Journal of Anthropological Research*.
- "Ntam Reminiscential Oath Taboo in Akan" (Forthcoming). *Language in Society*.

Anyidoho, L. A.

- "Women's Folklore in Ghana". *Encyclopedia of African Folklore* (Forthcoming).
- "Libation poetry: A Window to Aspects of Akan World View," *Research Review* (Forthcoming).

Duthie A. S.

- "And" again: A response to Ettien Koffi (p 301-3), *The Bible Translator (Technical)* Vol. 51.3 : July 2000.

Osam, E. K.

- "The politics of discontent: A Discourse Analysis of the Texts of the Reform Movement in Ghana." In Daniel N. Nelson and Mirjana Dedaic (eds), *At War With Words*. Berlin: Mouton.

Saanchi, J. A.

- "Review of The Structure of Dagaare", in *Anthropological Linguistics*, 2000, Vol. 42 (1).

Yankah, K. with Neville G.

- * "Responses: Poems for SSSCE." Accra: Sedco, 2000.

Benefactions

The department received book donations from Dr. Phillip Elliott, who participated in the Alliance International Research, for Minority Scholars programme in June 2001, and Ms. Jasmina Bonata of the University of Zurich, Switzerland.

DEPARTMENT OF MODERN LANGUAGES

Overview

During the 2001 academic year, the Department continued to offer courses at both the undergraduate and post-graduate levels. The EPMP (Economic Policy Management Programme) handled by the French Section was in its second year. The EPMP is a Masters - level programme designed exclusively for practitioners (administrators and business executives) who have three or more years of policy relevant experience in government, state corporations or NGOs. In addition to formal classroom instruction and laboratory work, a study tour to La Côte d'Ivoire was undertaken by the group as part of the year's programme.

Level 300 students of all the Sections (except Spanish) spent eight to nine months on the Year Abroad Language Proficiency Programme:

ARABIC	:	Ain Shams University, Cairo, Egypt
FRENCH	:	CEBELAE, Cotonou, Benin
RUSSIAN	:	Pushkin's Institute, Moscow, Russian Federation
SWAHILI	:	University of Dar es Salaam, Dar es Salaam, Tanzania

Courses

Arabic

ARAB 101:	Elementary Arabic
ARAB 102:	Intermediate Arabic
ARAB 103:	Arabic Oral I
ARAB 104:	Arabic Oral II
ARAB 201:	Elementary Arabic
ARAB 202:	Intermediate Arabic
ARAB 203:	Arabic Language Use
ARAB 204:	Advanced Arabic
ARAB 205:	Outline of Islamic History to 1258 AD
ARAB 206:	Major Trends in the Development of the Arabic Language & Literature
ARAB 207:	Arabic Oral I
ARAB 208:	Arabic Oral II

Core

ARAB 301:	Arabic Language and Translation
ARAB 302:	Aspects of Arabic Grammar & Translation
ARAB 303:	Modern Arabic Drama
ARAB 304:	Modern Arabic Poetry
ARAB 305:	Arabic Oral III
ARAB 306:	Arabic Oral IV
ARAB 307:	Essay in Arabic
ARAB 308:	Arabic Composition and Style

Electives

ARAB 309:	Introduction to Arabic Literary Appreciation: Rhetorics
ARAB 311:	Aspects of Classical Arabic Poetry
ARAB 312:	Aspects of Omayyad Poetry
ARAB 313:	Aspects of Abbassid Prose
ARAB 314:	Aspects of Early Islamic Poetry
ARAB 315:	Readings in Quranic Literature
ARAB 316:	Further Readings in Quranic Literature
ARAB 317:	Moslem Intellectual History
ARAB 318:	The Modern Arab World
ARAB 319:	Elementary Persian
ARAB 322:	Intermediate Persian

ARAB 324: Introduction to Arabic Literary Appreciation: Prosody

Core

ARAB 401: Language Proficiency
ARAB 402: Higher Language Proficiency
ARAB 403: Modern Arabic Drama
ARAB 404: Modern Arabic Novel
ARAB 405: Arabic Oral V
ARAB 406: Arabic Oral VI

Electives

ARAB 400: Long Essay
ARAB 407: Readings in Literary Critical Texts
ARAB 408: Readings in the Maqasmat
ARAB 409: Early Abbassid Poetry
ARAB 412: Middle Abbassid Poetry
ARAB 413: Arabic Historical Linguistics
ARAB 414: Arabic Lexicography
ARAB 415: Aspects of Andalusian Poetry
ARAB 416: Arabic in West Africa
ARAB 417: Rissalah Literature
ARAB 418: Aspects of Sufi Poetry
ARAB 422: Advanced Persian
ARAB 423: Aspects of Persian Literature

French Section:

Approved Revised Syllabus 2000

Specialised French for Graduate Students and Levels 300 and 400 students not reading BA French

FREN 001: French for General Communication I
FREN 002: French for General Communication II
FREN 003: French for Specific Purposes I
FREN 004: French for Specific Purposes II

Level 100 Courses

The Courses available in Level 100 are compulsory for all students

FREN 101: Translation into and from French 1
FREN 102: Translation into and from French 2
FREN 103: French Grammar and Usage 1
FREN 104: French Grammar and Usage 2
FREN 105: Orals 1
FREN 106: Orals 2

Level 200 Courses

The Courses available in Level 200 are compulsory for all students

- FREN 201: Translation into and from French 3
- FREN 202: Translation into and from French 4
- FREN 203: French Grammar and Usage 3
- FREN 204: French Grammar and Usage 4
- FREN 205: Francophone Literature & Text Analysis
- FREN 206: French Literature & Dissertation Techniques
- FREN 207: Oral 3: Structural Drills & Vocabulary
- FREN 208: Oral 4: Text based Oral Exercises

Level 300

- Intending Major: At least 22 Credits by the end of the year
- Combined: At least 18 Credits by the end of the year
- Minor: At least 14 Credits by the end of the year

Core Courses

- FREN 301: Translation into and from French 5
- FREN 302: Translation into and from French 6
- FREN 303: French Grammar & Usage 5
- FREN 304: French Grammar & Usage 6
- FREN 305: Aspects of Francophone African Literature I
- FREN 306: Aspects of Modern French Literature I
- FREN 307: Oral 5: More Varied Exercises and Drills
- FREN 308: Oral 6: Oral Discussion and Analysis

Electives

- FREN 309: Francophone African Novel in the Colonial Era
- FREN 311: Poetry Up to the Romantics
- FREN 312: Francophone African Drama and Poetry
- FREN 313: French Romantic Drama
- FREN 314: The Age of Enlightenment
- FREN315: French as a Foreign Language I
- FREN 316: French as a Foreign Language II
- FREN 317: Professional French I
- FREN 318: Professional French II
- FREN 322: Nineteenth Century French Novel
- FREN 324: French in West Africa

Level 400 Courses

- Major: At least 30 Credits by the end of the year
 - Combined: At least 18 Credits by the end of the year
 - Minor: At least 14 Credits by the end of the year
- "Long Essay/Creative Writing" by only students offering Single French

Core Courses

- FREN 401: Translation into and from French 7
FREN 402: Translation into and from French 8
FREN 403: French Grammar & Usage 7
FREN 404: French Grammar & Usage 8
FREN 405: Aspects of Modern French Literature I
FREN 406: Aspects of Francophone African Literature II
FREN 407: Oral 7: Use of Advanced Lexical & Grammatical Structures
FREN 408: Oral 8: Advanced Oral Discussion and Analysis

Electives

- FREN 400: Long Essay/Creative Writing
FREN 409: French Theatre
FREN 411: Special Author: French Literature
FREN 413: Linguistics of French I
FREN 415: French as a Foreign Language 3
FREN 417: Professional French 3
FREN 419: 20th Century French Literature
FREN 421: Tradition & French African Writing
FREN 423: Literature & Society

Core

- FREN 600: Research Methodology
FREN 610: Translation into and from French

Electives

- FREN 601: Semantics & Pragmatics of French I
FREN 603: Grammar & Syntax of French I
FREN 605: Phonetics & Phonology of French I
FREN 607: African Literature in English & French I: The Novel
FREN 609: French Theatre of the 17th Century
FREN 611: French Literature & Thought of the 18th Century: Enlightenment & Liberticism
FREN 613: French Literature & Thought of the 19th Century: The Novel
FREN 615: French Literature & Thought of the 20th Century: The Novel
FREN 617: Literary Theory
FREN 619: Advanced Functional French

Russian Section:

- RUSS 101: Introduction to Russian Civilization & Culture I
RUSS 102: Introduction to Russian Civilization & Culture II
RUSS 201: Introduction to Russian Language & Literature
RUSS 202: Russian Language and Literature
RUSS 203: Oral I

- RUSS 204: Oral II
 RUSS 205: Aspects of Russian History
 RUSS 206: Russia Since 1900

Core

- RUSS 301: Russian Language Skills
 RUSS 302: Language and Translation
 RUSS 303: Oral I
 RUSS 304: Oral II
 RUSS 305: Aspects of Russian Romantic Literature
 RUSS 306: Aspects of Russian 19th – Century Realism

Electives

- RUSS 307: Aspects of Russian Syntax
 RUSS 308: Russian and Soviet Drama
 RUSS 309: Lexicology of Modern Russian
 RUSS 312: Russian Literature of the First Half of the 19th Century
 RUSS 313: Aspects of Russian Literature of 17th and 18th Centuries
 RUSS 314: 19th Century Russian Poetry
 RUSS 315: Introduction to 20th Century Russia: (History, Politics, Society)
 RUSS 316: New Name: 20th Century Russia: History, Politics, Society since Perestroika

Core

- RUSS 401: Proficiency
 RUSS 402: Language and Translation
 RUSS 403: Oral I
 RUSS 404: Oral II
 RUSS 405: The Russian Realist Novel
 RUSS 406: Early Soviet Literature

Electives

- RUSS 407: Aspects of Russian Syntax
 RUSS 408: Syntax of Modern Russian
 RUSS 409: Lexicology of Modern Russian I
 RUSS 412: Morphology of Modern Russian
 RUSS 413: Aspects of Russian Stylistics
 RUSS 414: Stylistics of Modern Russian
 RUSS 415: Business Russian I
 RUSS 416: Business Russian II
 RUSS 417: Russian/Soviet Literature of the 20th Century
 RUSS 418: Russian Literature in Emigration
 RUSS 419: The Russian Historical Novel of the 20th Century
 RUSS 422: Russian Prose since the Thaw

Spanish Section:

- SPAN 101: Introduction to Spanish History
- SPAN 102: Introduction to Spanish Literature
- SPAN 201: Introduction to Spanish
- SPAN 202: Spanish Usage
- SPAN 203: Oral I
- SPAN 204: Oral II
- SPAN 205: Aspects of Language and Civilization
- SPAN 206: Aspects of Spanish Literary History

Core

- SPAN 301: Structure & Usage of Spanish & Translation
- SPAN 302: Translation and Text Analysis
- SPAN 303: Oral I
- SPAN 304: Oral II
- SPAN 305: Golden Age Spanish Drama
- SPAN 306: Golden Age Spanish Novel
- SPAN 307: Spanish Literature of the 19th Century

Electives

- SPAN 308: Spanish Literature of the 20th Century: Prose
- SPAN 309: French Influence in 18th Century Spain
- SPAN 312: Latin-American Literature: the Novel
- SPAN 313: Latin-American Studies
- SPAN 314: Miguel de Servantes and his Epoque

Core

- SPAN 401: Language Proficiency
- SPAN 402: The Art of Translation and Advanced Course in Language Proficiency
- SPAN 403: Oral I
- SPAN 404: Oral II
- SPAN 405: Modern Spanish Literature: Spanish Romanticism & Related Areas of Creativity
- SPAN 406: Spanish Literature of the 20th Century: Poetry
- SPAN 407: Golden Age Poetry

Electives

- SPAN 408: The Modernismo
- SPAN 409: Stylistics and Text Commentary
- SPAN 412: Language: Morphology, Syntax and Commentary
- SPAN 413: The Spanish Comedia
- SPAN 414: Influence of the Classics in Spain
- SPAN 415: The Generation of '98 (La Generacion del '98)

- SPAN 416: Latin American Literature: The poetry of Nicholas Guillen
 SPAN 417: Latin-American Literature: The Poetry of Nicolas Guillen
 SPAN 418: Spain: The Historical and Infra-historical Purvue
 SPAN 419: Golden Age Poetry
 SPAN 422: The Generation of 1927 (la Generacion del '27)

Swahili Section:

- SWAH 101: Introduction to the History of the Language
 SWAH 102: Introduction to the Literature of the Language
 SWAH 201: Introduction to Kiswahili
 SWAH 202: Structure and Usage of Kiswahili
 SWAH 203: History and Civilization of the Swahili People
 SWAH 204: The Rise and Spread of Kiswahili Language
 SWAH 205: Orals I
 SWAH 206: Orals II

Core

- SWAH 301: Aspects of Kiswahili: Grammar and Translation
 SWAH 302: Language and Translation
 SWAH 303: Introduction to Kiswahili Literature - 17th -20th Centuries
 SWAH 304: Study of Kiswahili Poetic Structure and Selected Texts
 SWAH 305: Orals - Conversational Drills
 SWAH 306: Orals

Electives

- SWAH 307: 20th Century Kiswahili Literature
 SWAH 308: The Development of the Kiswahili Language Since 1850
 SWAH 309: Discourse Analysis of Kiswahili
 SWAH 312: Study of Kiswahili Songs
 SWAH 313: Kiswahili Customs and Institutions
 SWAH 314: Kiswahili Oral Literature

Core

- SWAH 401: Language Proficiency I
 SWAH 402: Language and Translation II
 SWAH 403: Introduction to Kiswahili Poetry of the 17th - 19th Centuries
 SWAH 404: Essay and Comprehension
 SWAH 405: Orals I
 SWAH 406: Orals II

Electives

- SWAH 407: Modern Kiswahili Drama
 SWAH 408: Kiswahili Historical and Political Texts
 SWAH 409: Comparative Linguistics of Kiswahili and other African Languages

- SWAH412: Modern Kiswahili Prose
 SWAH 413: Kiswahili Dialects
 SWAH414: Kiswahili Poetry of the Mid-19th Century to 20th Century

Student Numbers

The Department had the following student numbers for the year 2000-2001

Level	100	595
200		371
300		99
400		67
500	(M.A.)	1
600	(M.Phil.)	1
Ph.D.		1

Staff

Apart from the French Section which enjoyed almost a full complement of staffing position, staff of the other sections continued to carry heavy teaching loads.

Ms. Adwoa Woode and Mr. Ibrahim Jateo-Kaleo were appointed lecturers to the French and Spanish Sections respectively. Dr. V.A.O. Lamptey was on Sabbatical Leave and Ms. Georgette Lumor, a clerk grade I, went on leave of absence without pay.

The Department lost an illustrious member of staff – Dr. K.A. Sampson, Senior Lecturer of the French Section. (May His Soul Rest in Perfect Peace).

The Coordinators of the Sections were:

Arabic	Mr. Al-Munir M. Gibrill
French	Dr. Robert Yennah
Russian	Mrs. Alexina Arthur
Spanish	Mr. Lawrence K. Adra
Swahili	Mrs. Hamida Harrison

Mrs. Alexina Arthur (Senior Lecturer) took over from Dr. G.N. Adam as Head of Department.

On-Going Research

Acquaye, F.A.

- "The Poetics of Swahili riddles (Kiswahili)"
- The Language of Swahili Proverbs

Adam, G.N.

- Peter The Great and the Industrialization of Russia: some Historical Lessons

- for Ghana and Africa.
- Stylistic Innovations in the Russian Language Since Perestroika: An Overview of Business Russian

Arthur, Alexina

- Contemporary Russian Journalese
- "Stakeholding" in Effective Teaching and Learning Today.

Bilson, K.A.

- Language, Politics and Social Change: The Development of the Russian Language from the Inception of 'Perestroika' to Date.
- The Structure of Russian Phraseological Expression.

Harrison, Hamida

- Aspects of Gender in Modern Swahili Prose
- Basic Swahili Grammar

Harrison Hamida and Kyei-Mensah, Josephine

- Translation for Beginners; Swahili I

Jatoc-Kaleo, B.A.

- Dictatorship as Seen in the Novels of Alioum Fantouré Sony Labou Tansi and Ahmadou Kourouma.

Kyei-Mensah, Josephine

- Whole/part Relations in Inanimates: The Case of Swahili.

Amekudzi, E.K.

- The Application of Fillmore's Case Grammar to the Study of Synonyms, With Special Reference to Verbs. Some Pitfalls in Translation from English into French.

Animfen, W.O.

- 20th Century French Literature as "philosophical literature" with special Reference to the Novel and the Theatre.

Publications

Acquaye, F.A.

- "Language and Politics: The attitudes of Swahili Writers towards UJAMAA." in *Papers in Modern Languages*, N° 3, Legon, 1999. pp.

Badasu, C.K.

- "The Role of Translation in Development Within the Context of

Globalisation" submitted to be considered for publication in the Conference proceeding of the second Inter-University Conference on the Co-existence of Languages in West Africa.

Conferences/Workshops/Scminars

Badasu, C.K.M.

- "The role of Translation in Development". Presented at the second Inter-University Conference on "The Co-existence of Languages in West Africa", University of Cape Coast, November 24-25, 2000.
- "The 'other' Question in Ferdinand Oyono's Une vie de Boy." Intra-Faculty Lecture, Faculty of Arts, University of Ghana, April 11, 2001.

Arthur, Alexina

- "Students Attitude Towards «departmental displacement». Implications for Effective Teaching and Learning". Paper presented at Intra Faculty Lecture, Faculty of Arts, University of Ghana, Wednesday, March 28, 2001.

Extension

- Dr. Kofi Azanku led the participants of the EPMP on a study tour to Abidjan, Côte d'Ivoire from August 26 – 29, 2001. The visit offered both lecturers and students the opportunity to interact freely on issues concerning the programme. It also laid the foundation for a closer cooperation between the Legon and Cocody programmes.

Benefaction

The department continued to receive financial assistance and moral support from the French government. During the year under review the department received the following:

- Stationery worth ₵4,700,000.00
- Computerization of the Departmental Library: ₵24,000,000.00
- Renewal of subscription of various journals in the multimedia library of the Department
- Furnishing of the Library: ₵5,700,000.00

Scholarships

- (a) Extension of Mr. Bokomi's scholarship for 8 months.
The Spanish government also supported the department's want with Books and Dictionarie.

DEPARTMENT OF PHILOSOPHY

Overview

During 2000/2001 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. Two M.Phil. students' theses were also completed and examined during the year under review. The Department continued to have considerable increase in student intake and is still working to find ways of coping with its challenges to improve upon its facilities to benefit students.

During the year under review, Dr. Kwasi Agyeman, Head of Department, was appointed as the Co-ordinator of Business Ethics Courses in the Executive MBA Programme of School of Administration, University of Ghana, Legon. Prof. Kwame Gyekye, Professor (on contract) was also appointed as the Dean of Academic Affairs at the Ghana Armed Forces Command and Staff College, Teshie, an affiliate college of the University of Ghana, Legon.

Courses

Courses offered at the undergraduate and postgraduate levels include:

Level 100

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

Level 200

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

Level 300

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

PHIL 312 PHILOSOPHY OF MIND
PHIL 314 AFRICAN PHILOSOPHY

Level 400

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

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

Course Structure: Graduate Courses

First Semester Year 1

Core Courses

PHIL 601 Metaphysics and Epistemology
PHIL 603 African Philosophy: Traditional and Modern
PHIL 610 Research Methods

Electives

PHIL 605 Moral Philosophy
PHIL 607 Ancient Greek Philosophy
PHIL 609 Philosophy of the human Sciences
PHIL 611 Philosophy of the Mind
PHIL 613 Mathematical Logic

Second Semester

Core Courses

PHIL 602 Modern Analytical Philosophy
PHIL 604 Social and Political Philosophy
PHIL 610 Research Methods
PHIL 612 Philosophy of the Natural Sciences
PHIL 614 Philosophical Issues in Contemporary African Experience
PHIL 616 Medieval Philosophy

Year 2

First Semester

PHIL 615 Seminar: a detailed critical examination of a Selected philosophical text

Second Semester

PHIL 618 Seminar: a detailed critical examination of a Selected philosophical text

Number of Students for 2000/2001 Session

Level 100	876
Level 200	555
Level 300	204
Level 400	63
Level 600	2
Total Number	1760

Staffing Position

Dr. Kwasi Agyeman	Head of Department
Prof. Kwame Gyekye	Professor on Contract
Mr. K. Achampong	Senior Lecturer on Contract
Dr. Joseph Osei	Sabbatical Leave
Dr. Helen Lauer	Sabbatical "
Dr. M. Dukor	Visiting Lecturer
Rev. J. Appea Asamoah	Lecturer
Mr. Martin Odei Ajei	Lecturer

Non Academic Staff

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

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

Research Activities

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

Assamoah, J.A.

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

Agyeman, K.

- Epistemology, Metaphysics, Ethics, Jurisprudence & Continental Philosophy

and Social and Political Philosophy.

Ajei, M.O.

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

Gyekye, K.

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

Osei, J.

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

Lauer, Helen

- On Sabbatical leave, currently engaged in a book Project: History and the Philosophy of Science for Science Students.

Extensions

Gyekye, K.

- Dean of Academic Affairs at the Ghana Armed Forces Command and Staff College, Teshie, an affiliate college of the University of Ghana, Legon.

Agyeman, K.

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

Ajei, M.O.

- Lecturer in Philosophy on the Trent-in-Ghana Programme at the Institute of Economic Affairs, Accra
- Workers' College, External Degree Centre

Assamoh, J.A.

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

Publications

Dukor, M.

- Currently working on the following Books and articles; Philosophy And Politics (edited work)
- The Concept of African Freedom (PhD Thesis)

- Papers/articles on Logic, Epistemology and Philosophy of Science

Agyeman, K.

- Currently writing on Moral Democracy
- Module for Ghana Institute of Management and Public Administration (G.I.M.P.A.)
- A paper on "Conceptual Elucidation on Business Ethics" forthcoming in *Legon Business Journal*
- Intra-Faculty Lecture: "When the King Speaks, I Don't Speak."
- Ghana Academy of Science & Arts: Lecture on Ideology
- Panelist on International Conference on "Nation, Truth and Reconciliation."
- A paper on "Reconciliation" for Centre for Democratic Development.
- "Our Social Values: A Critical Look" -delivered in March 2001 at a Symposium organised by the Busia Foundation.
- "Family Values in the Traditional African Society."
- Keynote address for a Workshop organised by the Centre for Social Policy, November 2000.

Ajei, M.O.

- Indigenous Knowledge systems and Good Governance in Ghana: The Akan Political Example. *Occasional Political Example*. Paper No. 31. I.E.A, Accra.
- Grills, C. And Ajei, M. (forthcoming) Africa-centered Conceptualisations and Consciousness: The Akan Mode. Accepted for publication in Porham, T(&d): Therapeutic Approaches with African American Populations. Sage Publications

Conferences/Seminar/Workshop

Agyeman, K.

- Speaker, Seminar at Academy of Science & Arts on Nature and Place of Ideology, Political Power and Development.
- Speaker, Seminar at Ghana Staff College on Foundations of Strategic Thoughts.
- Speaker, International Conference at Centre for Democratic Development on Overview of Truth & Reconciliation Commission: Meaning, Types, Benefits and Problems.

Gyekye, Kwame

- Workshop organised by the Centre for Social Policy, 2001
- Symposium organised by the Busia Foundation.

DEPARTMENT FOR THE STUDY OF RELIGIONS

Overview

There were several changes in the year under review. Rev. Dr. Elom Dovlo handed over to Dr. Rabiatu Ammah (who was adjudged the Best Teacher of the year) as Head of Department. Mrs. Getrude Kumagah the senior clerk also gained admission to the School of Administration and was replaced by Ms. Sheritha Adjei-Lokko. Mr. Kobina Ayitey was also given a temporary appointment as an Administrative Assistant.

The Department ran courses in Diploma, undergraduate and graduate level. A number of Masters Theses were also completed and examined during the year under review. The Religious Students Association of Ghana, RESAG continued to thrive and contributed positively to the Department through donations and seminars. In addition, Prof. Roswith Gerloff of Leeds University visited the Department and made seminar presentations.

We were also privileged to have Hamidu Sankara, Edna Asare and Mohammed Habib Tijani as our service personnel. Mr. Habib Tijani was later appointed by the President as the District Chief Executive for Yendi.

Extension Work

The Department continued to co-ordinate the activities of five seminaries in the country. They are Trinity Theological Seminary, Legon, St. Victor's Major Seminary, Tamale, Christian Service College, Kumasi, St. Peter's Major Seminary, Pedu Cape-Coast and Ghana Baptist Seminary, Abuakwa-Kumasi. Maranatha Bible College and the Church of Pentecost Bible College also applied for Affiliation with the Department. These are under review. The Islamic University College discussed the possibility of affiliation to the University through the Department. Faculty Members continued to teach at Accra Workers' College and were panel members of the National Accreditation Board, and are also represented on the National Media Commission. In addition the Department had a representative on the Religious Advisory Committee of the Ghana Broadcasting Corporation.

Staffing Position

Even though no new appointments were made and the staff position remained at 10 full time lecturers and 2 part-timers, the Department still faced acute space problems in providing adequate offices for lecturers and a library that can cater for the large number of students who are increasingly offering Religions.

Student Numbers

Level 100	381
Level 200	291
Level 300	221

Level 400	151
Level 600 Pt 1	3
Level 600 Pt II	6
Diploma I	51
Diploma II	32
TOTAL	1136

Staff Activities

All faculty members continued to teach, research and participated in various workshops and conferences as listed below. In addition they offered their services and expertise to various religious bodies as resource persons.

Research and Extension

Dovlo, E.

- Concept of Human Rights in African Independent Churches.

Atiemo, A.

- The Zetaheal Mission (ongoing)
- Research on Gospel Music in Ghana (ongoing)
- Member, Ga Presbytery Bible School Board (Presbyterian church of Ghana)
- Served as resource person at training programmes and retreats for church leaders.

Guarshie, B.Y.

- Continued to research into the Contextualization of Christianity in Africa and the New Testament's role in that process. Taught for the first time, the course "The New Testament and the Contextualization of Christianity in Africa"
- Appointed member, Board of Trustees, Akrofi-Christaller Memorial Centre for Mission Research and Applied Theology, Akropong (2001).

Amoah, E.

- Religions and Poverty – (Part of Pan-African Research Team) (On-going)
- Religion, Women and Violence (On-going)

Omenyo, N.C.

- Continued research on Developments and Charismatic Experiences in the Mainline Churches.
- Continued research on Ecclesiological Development in Pentecostal/ Charismatic Churches in Africa.

Yeboah, B.

- The Concept of Purity in Ancient Judaism and Christianity and in current Ghanaian Religiosity.

- Apocalyptic Ideas in Traditional Religion in Ghana.
- Christian Religions Broadcasting Advisory Committee – Quarterly Meetings

Ammah, R.

- Religion and Violence in Ghana
- Violence in the Ghanaian Muslim Community
- Religion and Poverty in Africa – Part of Pan African Research Team, sponsored by FORD FOUNDATION.

Sulemana, H.M.

- Leadership in Muslim Communities (on going)
- Muslim NGO's and Social Welfare (on going)
- Moderator/ Examiner, WAEC
- Course Writer: Distance Education, Legon.
- Resource person, Islamic Programmes. Radio and T.V

Publicatiion

Ammah, Rabiatu

- Editor-with Dr. Elizabeth Amoah Hospitality in Africa's Complex Realities . To be Published by Sam Wood.
- "Hospitality as Bases For Multi Faith Dialogue" in Divine Empowerment of Women in Africa's Complex Realities. Ed Elizabeth Amoah and Rabiatu Ammah.

Amoah, E.

- Edited: Papers presented by the Circle of Concerned African Women Theologians in Nairobi 1996. These are coming out as book "Divine Empowerment of Women in Africa's Complex Realities" which is being published by Sam Woode Limited.

Omenyo, N.C.

- "Essential Aspects of African Ecclesiology: The Case of the African Independent Churches", PNEUMA: *The Journal of the Society for Pentecostal Studies*, Vol. 22, No. 2, Fall 2000. pp. 231-248.
- The ongoing Encounter, Christianity and African Culture: A Case Study of the Nubility Rites of the Krobo. (Accra: Adwensa Publishers, 2001), pp. 48.

Ganusah, R.Y.

- "Pouring Libation to Spirit Powers Among the Ewe-dome of Ghana: An Indigenous Religious and Biblical Perspective" in *The Bible in Africa: Transaction, Trajections, and Trends*, edited by West Gerald O. and Musa W. Dube, Leiden, Brill, 2000. Pages 278-291.
- "Community Versus Individual Rights in Africa: A View Point". Accepted for

Publication in *Universitas*, Vol. 2, 2000.

- Christ Meets The Ewe-dome of Ghana: A Theological and Ethical Reflection on The Rites of Birth and Initiation into Womanhood. Accepted for Publication into a book, (for June 2002), Theological Studies Series and Asempa Publishers. 190 pages.

Conferences/Seminars

Ammah, R.

- "Poverty in the Ghanaian Muslim Community: Imam Ali's Response": Paper presented at Conference on Imam Ali and Governance March 2001, Accra.
- Religion and Violence Against Women – Institute of Women in Religion and Culture/ Circle of Concerned African Women Theologians, Accra, August 2001.

Atiemo, A.

- International Reformed Theological Institute Conference on "Faith and Ethnicity" at the Princeton University, USA, July 11-15, 2001.
Paper Presented: Christian Denominations and Ethnic Identity in Ghana: An Assessment of the Impact of the Missionary Movement on some aspects of Ghanaian Christianity.

Omenyo, N. C.

- Participant, International Reformed Theological Institute, Amsterdam Free University, Conference on the theme: "Faith and Ethnicity" Conference, Princeton Theological Seminary, Princeton, New Jersey, USA, July 11-15, 2001.

Ganusah, R.Y.

- Attended a Consultative Workshop to draw a syllabus on Introducing Human Rights Education into the School system in Ghana, Accra, June 15, 2000.
- Guest Speaker, 2nd Ladies Hall Week Celebration of Trinity Theological Seminary, Legon, March 25, 2000. Speech given: "Overcoming Violence – The Church's Role".
- WAATI (West African Association of Theological Institutions) Biennial Conference, Ogbomosho, Nigeria, July 30 to August 5, 2000. Presented a paper on "The Impact of Religion on Morality in West African Society"
- Seminar on AIDS: The Role of Religious Bodies. Organized by Religion's Students' Association, University of Ghana, April 2001. "The Role of Religious Bodies in fighting the AIDS menace."

Quarshie, B.Y.

- "The Orthopraxis of Reformed Theology in the Presbyterian Church of

Ghana". Paper presented at a seminar on Reformed Theology for the Presbyterian Church of Ghana, Tema Community 2 District, at the Presbyterian Church of Hope, Sakumuno, on March 3, 2001.

- Presented Bible Exposition, May 8, 2001, "To eat or not to eat that is the question: The Christian and Food offered to Idols", at "Workshop V: Gospel and Culture, Patterns of Engagement" organized by the Akrofi-Christaller Memorial Centre for Mission Research and Applied Theology (ACMC) at Akropong, May 7-11, 2001. Also served as a respondent to a paper, "Letting the Gospel Re-shape Cultural issues: The Doing of Theology in Mother Tongues", presented by Rev. Philip Laryea.
- Christian Council of Ghana (CCG) Consultation on HIV/ AIDS on May 30-31, at CCG Women's Centre, Osu.
- Presbyterian Church of Ghana Constitutional Conferences on June 25-28, 2001 and July 18-20, 2001 at Ramseyer Training Centre, Abetifi, and Presbyterian Women's Centre, Abokobi respectively.
- "The Pattern of Biblical Truth". Paper presented at "Workshops on Expository Preaching: Bible Exposition Event," organized by ACMC, Akropong, from June 25-29, 2001. Theme: "Correctly Handling the Word of Truth."
- "Recognizing the Holy Spirit" "Relating to the Holy Spirit", and "Retiring with the Holy Spirit". A three part series of Bible Expositions presented at the Pastors' Mission Workshop organized by ACMC at Akropong, July 23-26, 2001. Theme: "The Holy Spirit in the Life of the Pastor".

Sulemana, H.M.

- Innovations and their Contextualization in African Islamic Societies Bayreuth (German), February 9-10, 2001. Paper: Muslim NGO and Social Welfare in Muslim Communities in Ghana.
- Intercultural Dialogue in Ghana: Challenges to our Faith Communities Great Hall, Legon, May 27, 2000. Paper: Islam and Inter Religious and Cultural Relations.
- First National Seminar on Muslim Leadership University of Ghana, Legon, August 25-27, 2000. Paper: Leadership in Ghanaian Muslim Communities.
- Islam and Human Rights Koforidua Polytechnic October 30, 2000. Paper: Islam and Gender Equality.
- Islamic Economics and Social Welfare in Muslim Communities Helsinki (Finland) December 4, 2000. Paper: Zakat and Social Welfare in Ghana.

Yeboah, B.

- West African Association of Theological Institutions (Ghana Zone), Trinity Theological Seminary, Legon, June 25, 2001. Paper Presented: Reading the Bible with the Community: the Voice of the Non-Literate African. (To be published by the Association)

Benefections

During the year the Department received various donations as listed below.

- | | | |
|----|-------------------------|------------------|
| 1. | RESAG | Set of Furniture |
| 2. | RESAG | Neon Sign Board |
| 3. | Iran Cultural Consulate | Books |
| 4. | Dr. Mercy Oduyoye | Books |
| 5. | Dr. Roswith Gerloff | Books |
| 6. | Dr. Emmanuel Anim | Books |
| 7. | Dr. Kahl Werner | Books |

FACULTY OF LAW

Overview

The year under review ended with five final year LLB students obtaining a first Class. The second batch of 62 students were admitted to pursue the post first degree LLB programme in the 2001/2002 academic year. Each senior member's office in the Faculty was provided with a computer with internet facility to enhance research and teaching. Computers with internet facility in the Faculty's library annex were increased from 4 to 19 to facilitate research by students .

Vol. 20 (1996-1999) of the *University of Ghana Law journal* was published during the year under review.

Work on the new Faculty building is on course. Alumni and friends of the faculty participated in the Faculty's annual homecoming event which was held during the year. They contributed in cash and kind for the completion of the building project.

Post-First Degree LLB/LLM Programmes

The second batch of 62 students comprising 53 males and 9 females were admitted into the faculty for the Post first degree LLB programme. Two students were also admitted to pursue the LLM programme in the Faculty.

The joint LLM programme in Human Rights and Democratisation in Africa, with the University of Pretoria, Makerere and Western Cape into its second year. Six students from the participating Universities were hosted by the faculty for four months for their research, attachment and dissertation writing.

Student Population

The Faculty had a student population of 186 during the 2000-2001 academic year. The breakdown is as follows:

Level 400	Level 500A	Level 500B	LLM (GH)	LLM (Pretoria)
LLB 41	PFD LLB - 62	PFD LLB - 49	2	6
BA 2	—	—	—	—
67	62	49	2	6
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Staff Publications

Kuenyehia, Akua

- Improving The Reform Process Through Legal Training:- Comprehensive Legal and Judicial Development Towards an Agenda for a Just and Equitable

Society in the 21st Century. Editor: Rudolf VVan Puymbroeck. The World Bank, 2001 pp. 299-306.

- Legal Literacy and the Process of Empowerment – A Personal Experience – Experiences in Capacity Building for Ghanaian Women: Editors: Florence Dolphyne and Esther Ofeei Aboagye, Asempa Publishers. 2001 pp 9-13.
- Parenting, Adoption, Fostering and Domestic Employment – Gender Relations in the Family in West Africa–(Forthcoming).

Dankwa, E.V.O.

- The Promotional Role of the African Commission On Human And Peoples' Rights, in Evans and Murray, "The African Charter on Human and Peoples' Rights," to be published in March 2002 by Cambridge University Press pp. 335-352.

Mensa-Bonsu, H.J.A.N.

- "Economic Crime, the Criminal Law and the Criminal Justice System of Ghana (1999-2000)" Vol. 4 & 5, *Banking & Financial Law Journal* pp. 82-99.
- The Defence of Mistake of Fact and Claim of Right Matters Arising from Republic v. Kwadwo II (1996-1999) Vol. 20 *University of Ghana Law Journal* 125-136

Sarpong, G.A.

- "Constraints in the Acquisition and Registration of Land in Ghana". Lecture delivered at the Home Finance Company (HFC Limited) Forum on the theme, "The Search for Sustainable Housing Policy in Ghana", Accra 3 May, 2001. Published in the *Environmental Law Reporter* at <http://www.eli.org>

Conferences/Seminars/Workshops

Kuenyehia, Akua

- Workshop on Human Rights and Poverty Alleviation organised by the Commonwealth Human Right Initiative at Wilton Park, Wilton House, West Sussex – March 2001.

Dankwa, E.V.O.

- Workshop on Human Rights and Peace Education organised by African Centre on Democracy and Human Rights Studies in collaboration with UNESCO in Monrovia, Liberia 10-22 January 2001.

The participants consisted of

- i. Teacher Trainers
- ii. Principals of elementary and secondary schools
- iii. County and District Education Officers
- iv. Social Studies Teachers and

v. Ministry of Education Officials (Directors and above)

I served as a Resource Person.

- Participated in Princeton Project on Universal Jurisdiction which resulted in "The Princeton Principles On Universal Jurisdiction" at Princeton University, New Jersey January 25-27, 2001.
- 9th Training Course on the use of International Procedures organised by the African Centre for Democracy And Human rights, Banjul, The Gambia January 19-25 2001. Lectured on The African Charter on Human and Peoples' Rights, the African Commission and its Rules of Procedure; organised a Moot Session of the Commission by the participants.
- Spent a week each at Queen's University, Belfast, Northern Ireland and the University of Nottingham, England under a link arrangement between our Law Faculty and the Law Schools of the two Universities, with sponsorship by The British Council, March 5-20, 2001.

Lectured post-graduate students as follows:

- i. The African System for the Protection of Human Rights at Belfast
 - ii. The African Charter, the Commission and Human Rights in Africa at Nottingham
 - iii. The Protection of Prisoners in Africa at Nottingham.
- Processed and edited Communications (Complaints Against States Parties to the African Charter) toward eventual publication in Banjul, The Gambia, March 28-30, 2001.
 - Led a Mission of the African Commission on Human and Peoples' Rights to Ivory Coast towards promotion of human rights, reconciliation and conflict resolution. Had meetings with, inter alia, the Prime Minister, Ministers of Foreign Affairs and Justice, as well as leaders of political parties and Non-governmental organisations. 2-4 April 2004.
 - Chaired the 29th Session of the African Commission on Human and Peoples' Rights in Tripoli, Libya, April 23-May 7, 2001
 - Attended ECOWAS/Sub-Regional Conference of Ministers of Justice on Collaboration Against Corruption, May 21-22, 2001.
 - Presented Paper on "Cross Border Enforcement of Anti-Corruption."
 - Undertook a Mission for Promotion of Human Rights in Seychelles from July 2-6, 2001, and held discussions with, inter alia, Minister of Foreign Affairs, Attorney- General, Speaker of Parliament, Ombudsman and Inspector-General of Police. Visited the only prison, Long Island Prison, and Police Cells at the Police Headquarters. Centre for Rights and Development in collaboration with Seychelles Human Rights Network launched a Human Rights and Democracy Education Programme at which I delivered an address on "Human Rights and Democracy Education and the African Commission on Human and Peoples' Rights" as Guest Speaker.

- Thirty-seventh Ordinary Session of the Assembly of Heads of State and Government of the Organisation Meeting (the last in its history) in Lusaka, Zambia July 9-11, 2001. Presented the Fourteenth Annual Activity Report, of The African Commission On Human And Peoples' Rights 2000-2001 to the Summit.
- Wilton Park Conference 643 on "Justice in Africa", Wilton House, West Sussex, United Kingdom, July 30-August 2, 2001. Paper : "African Mechanism: Aspirations and Effectiveness"
- Observed Sessions of the United Nations Sub-Commission on Human Rights in Geneva, Switzerland August 3-10, 2001.
- Judge in the finals of the 7th All-African Human Rights Moot Court Competition, Centre For Human Rights, University of Pretoria, August 30, 2001.
- Twenty Years of the African Regional Human Rights System organised by The British Institute of International and Comparative Law, London. Paper: "Architecture and Organisation of The African System," October 5-6, 2001.
- Attended the 30th Session of African Commission on Human and Peoples' Rights, Banjul, The Gambia, October 13-25, 2001.

Presented Reports as Chairman and Commissioner.

- Delivered the fourth Herbert Chitepo (first lawyer of Zimbabwe) Memorial Lecture at the University of Zimbabwe, The Faculty of Law of that University and The Herbert Chitepo UNESCO Professor of Human Rights. I was the first non-head of State to have delivered a lecture in the above series. It has been serialised in the Zimbabwe weekly, "The Mirror" and will be published separately.
- Lecture: "The Meaningfulness of Human Rights and Democracy for Poverty-Alleviation in the Africa Century"
- Experts Meeting on "Definition of Torture" organised by Association for the Prevention of Torture, Geneva, Switzerland, November 10-11, 2001.
- Lisbon Forum 2001.
- "Children and Youth in Africa: Actors of their Own Development" November 10-11, 2001.
- Chaired the First Session – Interplay Between National Actors and Global Instruments.

Mensa-Bonsu, H.J.A.N.

- "Sentencing Alternatives – Issues" Presented to Conference of Judges and Magistrates' Seminar on Decongesting the Prisons, Accra, October 5, 2000.
- "Assessment of ADR Methods in Conflict Resolution" ADR Experts Conference Dakar, March 7-9, 2001.
- "You are Watchers of a Beacon Whose Light Must Never Die – Promoting Democracy, Press Freedom And The Rule of Law ", – Ghana Institute of Journalism – 12th Sam Arthur Memorial Lectures April 3, 2001.

- "Timber Resource Management Act 1997 (Act 547 and Timber Resources Management Regulations (1998) LI 1649: To What Extent Do They Affect forest Offences?" Forestry Commission Regional Seminars, Sunyani; Kumasi; Akosombo; Mankessim; Takoradi; Ho; and Accra. May-August 2001.
- "Editorial Discretion and the Law", National Media Commission Seminar for Editors of Media Houses, May 29, 2001.

Sarpong, G.A.

- June 23, 2001-July 2, 2001, visited Nottingham University under the link in International Law of Sustainable Development. Conducted Research and finalised chapter of a book "International Environmental Law and Ghanaian Courts", in Michael Anderson & Paolo Galizzi (eds) *International Environmental Law in National Courts* (forthcoming).

Activities

Link Programmes

The Faculty maintained her co-operation agreement with the Universities of Leiden, Northwestern, Belfast, 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.

Alternative Dispute Resolution (ADR) Centre

The ADR Centre continues to provide training to special interest groups as part of the Faculty of Law's outreach programme in facilitating the resolution of disputes and management of community conflicts. A total of (5) five training programmes were organised during the current session as follows:

November 2000

- Training for Conciliators of American Chamber of Commerce, Ada

March 2001

- Trainings for Gender Officers of (Netherlands Development Agency (SNV) March 2001
- Training for Conciliators of American Chamber of Commerce, Accra. June 2001
- Training of trainers workshop for Community Leaders at the Freeman Centre, Kumasi

August 2001

- Training Workshop for Ghana Institution of Engineers, Accra.
The Trainers were:
Prof. H.J.A.N. Mensa-Bonsu
Dr. E.K. Quashigah
Mr. Kwame Gyan.

The team was assisted by two Law student teams:
Samuel Opoku Agyarkwa and Edmund Foley
William Kissi Agyebeng and Richard Frimpong Oppong

The Assistants also doubled as rapporteurs for the training workshops.

Women and Law in West Africa Research Project

The Project completed research on Gender Relations in the Family in West Africa in Ghana, Nigeria and The Gambia and is in the process of preparing the manuscript for publication.

FACULTY OF SCIENCE

DEPARTMENT OF BIOCHEMISTRY

Overview

Although the year under review began with a lot of constraints, the introduction of the AFUF has brought some relief. The requirement for additional facilities including larger laboratory space to cater for the increased number of students had not been realized. Nonetheless, the Department of Chemistry had by the end of the academic year released part of their old facilities to the Department of Biochemistry. These facilities are being refurbished for our use.

Courses

There were no changes in the structure and number of courses.

Student Numbers

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

Undergraduate

Level 200	54
Level 300	139
Level 400	38

Postgraduate

MPhil I	2
Mphil II	5
PhD	5

Staff

Dr Alida J. Nel joined the Department whilst Prof Marian E. Addy, Dr Jonathan Adjimani were on sabbatical leave while Mr Christian Clement proceeded on study leave to do his PhD.

Staff Research Activities

Research activities in the Department continued in the following 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 plant

- 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 agricultural produce
 8. Biochemistry of insect-induced diseases of plants.

Conferences/Seminars/Workshops Attended

Gbewonyo, W.S. K., Dorleku, W. P., Osei, Y. D., Addy, M. E., Agyemang, V. and Cobbinah, J. R.

- Biochemistry of gall disease of Odum (*Milicia spp*): role of phenols and phenolic oxidases. ITTO Odum Workshop, FORIG, Kumasi, Ghana, November 15-16, 2000.

Gbewonyo, W. S. K. and Aveh, Rita

- Changes in some biochemical constituents of pineapple (*Ananas comosus*) and mealybug (*Dysmicoccus spp*) wilt disease development. Faculty of Science Colloquium, University of Ghana, Legon, June 5-6, 2001

Gbewonyo, W. S. K. , Mawuenyegah, G. K. and Ninsin, K. D.

- Insecticide use patterns and biotoxicity of residues on cabbage 22nd Biennial Conference, Ghana Science Association, University of Cape Coast, Cape Coast, August 5-9, 2001.

Okine, L. K. N.

- Multistakeholder meeting on Establishment of Poison Control Centre in Ghana, Miklin Hotel, Accra, March 22, 2001.

Sackey, S. T., Awua, A. and Sarpong, J.Y.

- Isolation and identification of *Aspergillus sp.* Contamination implicated in ochratoxin production in cocoa beans. Faculty of Science Colloquium, University of Ghana, Legon, June 5-6, 2001.

Umanah, G. K. E. and Osei, Y. D. O.

- Isolation and characterization of bacteria and plasmids from drinking water sold on the Market. Faculty of Science Colloquium, University of Ghana,

Legon, June 5-6, 2001

Publications

Oforu-Okyerere, A., Mackinnon, M. J., Sowa, M. P. K., Koram, K. A., Nkrumah, F., Osei, Y. D., Hill, W. G., Wilson, M. D and Arnot, D. E. (2001).

- Novel Plasmodium falciparum clones and rising clone multiplicities are associated with the increase in malaria morbidity in Ghanaian children during the transition into the high transmission season. *Parasitology* **123**: 113- 123.

Collaboration

The Department (University of Ghana) has entered into research collaboration with Diversa Corporation, San Diego, USA in the study of gene and gene products from environmental samples. In addition Diversa will provide training for staff and students in the area of molecular biology and biotechnology.

Benefaction

Cocoa Processing Company donated to the department, equipment including a Helios Beta UV/Visible Spectrophotometer, a desktop computer and laser printer, the total value being about 61 million cedis.

DEPARTMENT OF BOTANY

Overview

The Department had a very difficult time running its academic programmes due to the lack of adequate funds to support, in particular, the Practicals. This problem was also aggravated by the limitation of space in both the lecture theatres and the laboratories.

For some courses, the limitation of laboratory space and number of basic equipment such as microscopes necessitated running the practicals sessions in shifts.

It has also not been possible to organize essential field trips for ecology courses due to lack of a field vehicle for that purpose (- i.e. a vehicle/vehicles large enough to convey about 80/100 students at a time) and the high cost of renting such vehicles. It is essential that the Department obtain at least one such vehicle.

In lieu of adequate funds to purchase current textbooks, lecturers in the Department are being encouraged to consider converting their notes into texts for use by students.

Staffing Position

This was poor during the period and resulted in some lecturers being over-loaded

and the use of part-time lecturers. However, the situation has started to improve due to new recruitments to replace retired Senior Members.

Courses and Students Statistics Per Level (2000/2001 Session)

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

Student Statistics in the Department (2000/2001)

Level 100	324
Level 200	297
Level 300	89
Level 400	57
M.Phil I	2
M.Phil II	2
Ph.D	8

Conferences and Workshops

Senior Members of the Department participated in several National and International Workshops and Conferences within and outside the country during the 2000/2001 academic year as listed below:

Ameka, G.K.

- Darwin Initiative for the survival of species. Advanced Training Workshop in Marine Biodiversity, January 18-19, Department of Oceanography and Fisheries, University of Ghana, Legon. (Resource person for macro-algae sub-group).
- 17th International Seaweed Symposium, University of Cape Town, Cape Town, South Africa, January 8 - February 2, 2001.
- 22nd Biennial Conference of the Ghana Science Association, University of Cape Coast, Cape Coast, Ghana, August 5-9, 2001.

Markwei, C.

- Second International Home Gardens Workshop - 'The Contribution of Home Gardens to in situ Conservation of Plant Genetic Resources', Witzenhausen, Germany, July 17 - 19, 2001.
- 'Managing Biodiversity in Agricultural Ecosystems', Montreal, Canada, November 8-11, 2001.

Enu-Kwesi, L.

- Ghana - PLEC Technical Working Session: 'Reports of Work on Conservation of Agricultural and Biological Diversity', University of Ghana, Legon, January 13-14, 2000.
- Joint Consultancy Mission of the UNU/PLEC - BAG and UNU/PLEC - DAT to EAPLEC - Kenya sub - cluster, Kenya Agricultural Research Institute (

- KARI) Headquarters, Nairobi, Kenya, January 1 - February 6, 2000.
- PLEC General Meeting at Amazonia - PLEC Annual Meeting, Workshop and Field Visits, Macapa, Amapa, Brazil, May 20 - 25, 2000.
- 5th WAPLEC Regional Workshop and Field Visits in Ghana, St James Hotel, Koforidua, Ghana, October 4 - 9, 2000.
- Technical Working Session: UNU/PLEC Biodiversity Conservation work in Ghana, IRNR, KNUST, Kumasi, February 14-17, 2001.
- United Nations University (UNU) Project on People, Land Management and Environmental Change (PLEC) - Management Group Meeting, Arusha, Tanzania, May 1 - 9, 2001.

Research Activities

Laing, E.

- Genetics and Heritability of Cowpeas (*Vigna unguiculata* Walp).

Clerk, G.C.

- Ultrastructure, Reproduction and Physiology of Fungi.

Odamtten, G.T.

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

Oteng-Yeboah, A.A.

- Systematic Botany
- Biodiversity Studies.

Enu-Kwesi, L.

- Ecophysiology of useful plants in Ghana.
- Seed Biology - Dormancy and germination studies.
- Autecology of some timber species in Ghana.
- Biodiversity and Tree-Crop compatibility Studies.

Wonkyi - Appiah, J.B.

- Genetics and Plant Breeding.

Acheampong, Elizabeth

- In vitro multiplication of plantain, cocoyam other root tubers.

Amoah, Cecilia

- Water Quality, biological components of sewage.

- Aquatic and Microbiology.

Markwei, Carol

- Studies on mineral nutrition of *Vigna subterranea* (Bambara groundnut) and *Xanthosoma mafafa* (cocoyam).

Ameka, C.K.

- Ecology of Aquatic Macrophytes; Rheophytes of Ghana.

Yankson, Mary

- Regeneration of some ornamental plants.
- Studies on some diseases and pests of Ornamental plants.

Adomako, J.K.

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

Asante, I.K.

- Quantative Genetics and Plant Breeding.

Annang, T.Y.

- Decomposition of aquatic macrophytes by fungi.

Abbiw, D.K.

- Ethnobotany with emphasis on use of plants in traditional medicinal practices.

Essilfie, M..K.

- Systematic Botany

Vordzogbe, V.V.

- Plant Ecology.

Projects

The Department is undertaking the following projects with International organizations:

- Darwin Initiative for Survival of Species on Conserving and cultivating medicinal Plants in Ghana (participating organizations are the Royal Botanic Gardens, Edinburgh; Botanic Gardens Conservation International; World Conservation Monitoring Centre; Aburi Botanic Gardens and the Remote Sensing Application Unit, University of Ghana, Legon).
- Development of cryopreservation techniques for yam, cocoyam and frafra potato (LOA/SSA/2000/35).
- Assessment of Genetic Diversity of Cocoyam in Ghana (LOA/SSA/2000/07) both with the International Plant Genetic Resources Institute (IPGRI) (RAPD

- analyses of genetic diversity in *Xanthosoma sagittifolium*)
- Ecosyn Project : A research project on biodiversity and Management of West Africa Forests with Wageningen University and Research Centre, University of Cocody, Cote d'Ivoire, the Forestry Division, Ghana Forestry Commission, Ghana and SODEFOR, Cote d' Ivoire.
- Contribution of House Gardens to in situ Conservation of Plant Genetic Resources in Farming Systems in Ghana (participating countries and organizations include South and Central American countries, and the International Plant Genetic Resources Institute, Rome, Italy).
- GATSBY Research, Agric, Forestry and Fisheries to raise (in tissue culture), cultivars of plantains for the Ministry of Food and Agriculture.
**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.*
- Biodiversity Assessment and Studies of the United Nations University project on People, Land Management and Environmental Change (UNU/ PLEC) in Ghana.

Publications and Papers Presented at Conferences/Workshops

John, M.D and Ameka, G.K.

- "Biodiversity Capacity Building initiative in the West African Sub-region . Marine Macro-algae". A Poster presentation at the 17th International Seaweed Symposium, Cape Town, South Africa, January 28 - February 2, 2001.

Ameka, G.K. and de Graft-Johnson, K.A.A.

- "Studies on Waterhyacinth in Ghana". A paper presented at the 22nd Biennial Conference of the Ghana Science Association August 5-9, 2001.

Zarin D.J., Guo Hui - Jun and Enu-Kwesi, L.

- (2000) "Methods for the Assessment of Plant Species Diversity in Complex Agricultural Landscapes : Guidelines for Data Collection and Analysis from the PLEC Biodiversity Advisory Group (PLEC - BAG)", *Acta Botanica Yunnanica suppl.* XII pp 18-26.

Owusu-Bennoah, E. and Enu-Kwesi, L.

- (2000) "Investigations into Trees that Combine Effectively with Field Crops. *PLEC News and Views* 15 pp 20-22.

Asante I.K.

- (2000) "Allozyme Frequency Distribution Patterns at Two Gene Loci of the

Phosphoglucosyltransferase and One Gene Locus of Fumarate Hydratase Enzymes in Nine Cowpea (*Vigna unguiculata* Walp) from landraces in Three Agroecological Zones. *Journal of the Ghana Science*. Vol. 2 (3), pp 136 -143.

Asante I.K. and Laing E.

- (2000) "Environmental Predictors of Cowpea Allozyme Variation". *West African Journal of Applied Ecology*, Vol.2 (In press).
- (2001) "Isozyme Variation and Genetic Diversity at 3 Phosphoglucose-isomerase (Pgi) Gene Loci in 9 Cowpea Accessions (*Vigna unguiculata* (L) Walp) from 3 Agroecological Zones. *West African Journal of Applied Ecology* Vol. 2 (In press).
- (2001) "Genetic Structure at Cowpea (*Vigna unguiculata* (L.) Walp) Enzyme Loci: Phosphoglucose Isomerase Enzyme (Glucose - 6 - enzyme isomerase). *Journal of the Ghana Science Association*, Vol. 3 (2). (In press).

DEPARTMENT OF COMPUTER SCIENCE

Overview

The Computer Science Department 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 a great deal of pressure from both fresh and continuing students for enrollment. However, the Department is presently saddled with the following constraints:

Recruitment of Staff

Unlike the past there is now a slight improvement in the staffing position in the department. Presently there are four full time Senior Members in the Department. The Department is assisted by one part-time Lecturer from industry.

Indequate Computing Facilities

Manpower training in Computer Science must necessarily contain substantial practical component which should reflect the state-of-the-art technology and meet the requirements of the computer industry. The University authorities made efforts to increase computing facilities of the Computer Science Department.

Programme

There have been no substantial changes in the programmes that the department offers for the BA and BSc. Degree. However, much emphasis is now being placed on the practical components of all the courses and collaborative links are being established with the computer industry in order to offer the appropriate manpower training and vigorous research in areas in which Computer and Information Technology can best serve the needs of the nation. Notable among these new areas

are Object-oriented Programming and System Analysis as well as Networking and Data Communication.

Students

	1997-1998		1998-1999		1999-2000		2000-2001	
Level 200: BA	10		20		20		17	
BSc.	60	70	50	70	48	68	34	51
Level 300: BA	10		8		15		18	
BSc	53	63	44	52	42	57	35	56
Level 400: BA	11		4		10		18	
BSc	35	46	58	62	42	52	40	58
Total		176		184		177		
Service Course		108				140	100	

Graduates

	1997 - 98	1998 - 99	1999 - 2000	2000 2001
First Class Honours	2	1	1	2
Second Class Upper	5	8	5	9
Second Class Lower	23	34	26	23
Third Class	13	6	2	2
Pass				3
Total	44	49	35	39

Department's Activities

The Computer Science Department organised the following corporate training during the year:

Organisation

1. VAT Office
2. Serious Fraud Office (SFO)

Training

- Statistical Package for Social Sciences (SPSS)
- Object Programming Using Visual Basic

The Department is now recognised as Cisco Networking Local Academy to train students in the skills for the Internet Economy and Networking Certification.

Research Interest

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

Aryeetey J. A.

- Database Information Systems Development
- Computer Auditing
- Object Oriented Techniques

Odoom I.

- Design and Application of Database,
- System Evaluation

Wiredu B.S-K.

- Computer Hardware, Networking and Data Communication Department of Mathematics.

Ecklu J.

- System Development
- Data Communication & Networking

DEPARTMENT OF GEOLOGY**Overview**

Research and teaching activities in the department went on smoothly. The occupant of the chair for Geo-Environmental Studies ended his term successfully. A new lecturer, Dr. Ebenezer Hayford joined the department whilst Dr. J. Manu successfully completed his part-time studies in MBA (Finance) at the School of Administration.

Courses

Changes have been made in the undergraduate programmes and are awaiting approval from the Academic Board. Detailed course content of the M.Phil programmes that can be run in the department have been approved by the Faculty of Science and due for the Academic Board.

Student numbers

Level 100	411
Level 200	18
Level 300	32
Level 400	18
M.Phil	11
Ph.D	7

Staff Position

The break-down of staff at post were:

1 Visiting Professor (Chair of Geo-Environmental Studies)

5 Senior Lecturers

5 Lecturers

8 Supporting staff

Research Activities

1. Palynostratigraphy and Paleocological studies from explorat. oil wells in the Tano basin of Ghana.

2. Biostratigraphic and sedimentological studies of the Takoradi shale and Takoradi Sandstone formation of the Sekondian Group of Ghana.
3. Petrogenesis of carbonatites and related rocks in the Kpong area of southeastern Ghana.
4. Heavy Metal pollution at the Tema harbour and surrounds.
5. Geochemical and isotopic studies on natural water in Accra-Tema, Ghana.
6. Chemical weathering of carbonates by deep source carbon dioxide and sulphuric acid.
7. Hydrometry and hydrogeology of the Densu Basin.
8. Groundwater management in the Anlo area of the Keta Basin.
9. The Hydrogeological and geophysical characterization of Aquifers in the Afriam Plains, Ghana.
10. The application of Geological and Geophysical techniques in the assessment of groundwater potential: A case study of the Dahomeyan system of Greater Accra Region.
11. Petrology and geochemistry of granitoids and gneiss in the Nsawam Area of Ghana.
12. Mineralogical and geochemical investigations on the Nsuta manganese deposit. Various papers in preparation from data gathered during post-doctoral research work at the Rands Afrikaans University in Johannesburg, South Africa
13. Studies on local economic development (LED) projects in mining communities in Ghana.
14. Impact of human activities on the quality of rural water resources in the West Akim and Kwaebibrim districts, Eastern Region, Ghana.
15. Assessment of lead (Pb) contents in soils in the Accra metropolis of Ghana
16. Sedimentological studies on the Sekondian Group of Ghana.

Publications

Asiedu, D.K., Atta-Peters, D., Peprah, R.

- (2000) Depositional environment of the Takoradi Sandstone formation of the Sekondian Group, Western Ghana, as revealed by textural analysis, *Ghana Mining Journal*, Vol. 6, p. 53 - 58.

Suzuki, S. and Asiedu, D.K.

- (In press) Hamaya Formation - Lower Cretaceous sediments in the Nariwa area of the Okayama Prefecture, southwest Japan, *Journal of the Geological Society of Japan*, Vol. 107.

Suzuki, S. and Asiedu, D.K. Takemura, S.,

Yumul Jr, G.P., and David Jr. S.D.

- (In press): Composition of sandstones from the Cretaceous to Eocene successions in Central Palawan, *Journal of the Geological Society of the Philippines*, Vol. 56.

Atta-Peters, D.,

- (2000) Early cretaceous miospores from Essikado Sandstone formation of the Sekondian Group of Ghana, *Revista Espanola De Micropaleontologia*. Vol. 32, No. 2; p 245 - 258

Iddirisu, Y.

- (In press): The Precageme Project: Improvement in artisanal mining and development of small scale mining in Burkina Faso, *African Geoscience Review*.

Iddirisu Y. and Bengal, J.

- (In press): Challenges and opportunities in small scale mining, *African Geoscience Review*.

Banoeng-Yakubo, B.K. and Iddirisu, Y. (2001)

- Determination of well efficiencies using step-drawdown: A case study of crystalline basement aquifers of the Upper Regions of Ghana, *Ghana Mining Journal*. Vol. 6 p. 30 - 41

S. Jorgensen, N.O. and Banoeng-Yakubo, B.K. (2001)

- Geovisional Isotopes (^{18}O , $2H$, and $^{87}Sr/^{86}Sr$) as a tool in groundwater investigations on the Keta Basin, Ghana, *Hydrogeology Journal*, Vol. 9, p. 190-121.

Conference Presentations

Dampare, S.B., Asiedu, D.K., and Manu, J.

- Geochemistry and provenance of Lower Proterozoic greywackes from the Birim diamondiferous field. 11th Faculty of Science Colloquium. University of Ghana, Legon, May 9, 2001.

Projects

The DANIDA-ENRECA HYDROGEOLOGICAL PROJECT hosted in the department is in its second phase of three years and shall end in May 2004. The project has two research stations in Anloga in the Volta Region and Buokurom in the Eastern Region where two hydrometric stations for environmental and hydrologic studies and boreholes for groundwater monitoring in the Keta and Densu Basins have been constructed. This project has at present four PhD students and is supporting six M.Phil. students in Hydrogeology and Environmental Science. The project objective of enhancing the research capacity of hydrogeologists in the country is on course and we have a programme to sponsor more PhD and M.Phil. students to research into topical issues in hydrogeology and the environment that would directly help solve research problems for the benefit of society.

The project also converted the departmental garages into offices, meeting room and computer laboratory focusing on the application of remote sensing and geographical

information system for geological applications.

DEPARTMENT OF MATHEMATICS

Overview

The staffing situation in the department continued to be critical. Considering the age profile of academic staff, it is quite likely that in a few years time, it may be impossible to sustain even the present undergraduate programme in Mathematics.

In the course of the year Dr. D. Adu-Gyamfi returned to the Department after a two year sabbatical, and Dr. L. Kadosh left at the end of the session.

With increasing large numbers of students in courses at levels 100 and 200, the few staff in the department are subjected to heavy teaching loads and long hours of marking tutorial exercises and tests.

Courses

(i) In the absence of any graduate students, the main focus of teaching has been at the undergraduate level and the department offered courses at all levels in the approved undergraduate programme in Mathematics.

In addition, the department offered service courses to various Faculties/Departments.

Student Numbers

The following is the breakdown for the number of students who registered for the B.A./B.Sc. programmes during the year.

Level	1st Semester		2nd Semester	
	Arts	Science	Arts	Science
100	85	77	85	77
200	32	94	30	32
300	3	15	3	15
400	3	7	3	7

Service Courses

Service courses in General Mathematics I and II were offered to various students in the Faculties of Arts, Agriculture, Social Studies and Science.

MATH 106 : General Mathematics II is available as an optional course for all who pass FACS 101 : General Mathematics I.

Faculty	General Mathematics I	General Mathematics II
Science	423	68

Arts/Social Studies	28	25
Agriculture	27	
Home Science	3	
D.M.L.T.	15	

Staffing Position

For the 2000/2001 academic year, the following is the list of the available staff:

Dr. S.A. Adjei	Head of Department
Prof. D.A. Akyeampong	
Prof. N.K. Kofinti	
Dr. D. Adu-Gyamfi	
Dr. Tadie	
Dr. M. McIntyre	
Dr. L. Kadosh	

Research

Staff continued with their individual research programmes in the areas of Pure and Applied Mathematics and various departmental seminars were conducted in the course of the year.

Publications

Tadie

- Subhomogeneous and singular quasi-linear Einden-Type ODL (International Journal of Differential Equations and Applications Vol. 2 No. 3 (2001) (267 - 283);
- Boundary Value Problems for $(f(u))' + f(t, u, u') = 0, t \in [a, b]$ with monotone f and $f(r, \dots)$ (International Journal of Applied Mathematics) Vol. 4 No. 4 (2000) (453 - 462);
- Uniqueness Results for some Boundary Value Elliptic Problems via convexity. (International Journal of Differential Equations and Applications). Vol. 2 No.1 (2001) (47 - 53).
- β Radial solutions of some mixed singular and non-singular Elliptic Equations. (International Mathematical Journal) Vol. 1 No. 2 (2002), (195-203)
- contract appointment

DEPARTMENT OF NUTRITION AND FOOD SCIENCE

Staff Position

The Department has now seven permanent teaching staff at post. The year under consideration suffered two resignations; however we are managing the heavy teaching load with the assistance of Part-time Lecturers. The staffing position for the 2000/2001 academic year was as follows:

1.	Prof. G.S. Ayernor	Associate Professor and Head of Department
2.	Prof. S. Sefa-Dedeh	Professor
3.	Prof. E. Asibey-Berko	Associate Professor
4.	Dr. Anna Lartey	Senior Lecturer
5.	Dr. O. Boeh-Ocansey++	Senior Lecturer
6.	Dr. Esther Sakyi-Dawson	Lecturer
7.	Dr. W.B. Owusu	Lecturer
8.	Dr. K. Tano-Debrah	Lecturer
9.	Mr. F.A.K. Tayie+++	Lecturer
10.	Mrs. Agnes Budu+++	Lecturer
11.	Prof. R. Orraca-Tetteh	Part-time Lecturer
12.	Dr. W.A. Plahar	Part-time Lecturer
13.	Dr. W.K. Amoa-Awua	Part-time Lecturer
14.	Dr. P.N-T. Johnson	Part-time Lecturer
15.	Mr. Fred Vuvor	Part-time Lecturer
+	Sabbatical Leave	
++	Leave of Absence	
+++	Study Leave	

Student Admissions

The department continues to attract students of the undergraduate and post-graduate levels.

Admissions into the programmes were as follow:

Undergraduate Food Science

Level 200 (Introductory Food Science)-	42
Level 300	28
Level 400	38

Undergraduate Nutrition

Level 200 (Introductory Nutrition)	374
Level 300	35
Level 400	34

Post-graduate Programmes in Nutrition and Food Science

M.Phil Part I (Food Science)	6
M.Phil Part I (Nutrition)	1
M.Phil Part II (Food Science)	10
M.Phil Part II (Nutrition)	5
Ph.D (Food Science)	7
Ph.D (Nutrition)	4

Research

Staff were actively involved in research in food processing, food quality studies, post-

harvest management, food product development, maternal and child nutrition, micronutrients, complementary foods, child growth and nutrition and nutritional epidemiology.

Individual Staff Research areas:

Sefa-Dedeh, S.

- Evaluation of micro and small-scale food processing enterprises.
- Nixtamalization and the formulation of high protein foods.
- The quality profile of rice on the Ghanaian market: the competitiveness of local rice.
- The operations of bakers and bread quality.
- Development and evaluation of maize flour for bread production.

Ayernor, G.S.

- Industrial utilization of cassava in the production of sugars and alcohol.
- Stability of lipids in soybean products.
- Physiology and storage of yams.
- Fuel deposits in smoked fish and meat.
- Toxic amines in fermented fish
- HACCP application in fish handling and processing.
- Processing and Instantisation of staple food products.

Sakyi-Dawson, E.

- Studies on improving the nutritional quality and other quality characteristics of traditional foods (cowpea-fortified plantain based snacks)
- Perception of Quality among Ghanaians.
- Textural characterisation of yam varieties.
- Evaluation of quality and nutritional characteristics of cowpea cultivars.
- Studies on enhancing shelf-life of sheabutter through packaging.
- Studies on fermentation of soybeans to dawa-dawa and starter culture development.
- Evaluation of processing, sensory and other quality characteristics of banana and plantain cultivars.

Asibey-Berko, E.

- Analysing research data from Double-fortified salt related to Iodine and Iron deficiency disorder problems among mothers and children.

Special Collaborative Research Areas

1. *A USAID-funded project under its Collaborative Research Support Programme. The team continued*

Researchers

Prof. S. Sefa-Dedeh
Dr. Esther Sakyi-Dawson
Dr. Owuraku. Sakyi-Dawson

to study cowpea processing storage options to improve food security. Characterization of new varieties and their performance in formulated products were evaluated.

Dr. K. Tano-Debrah
Mr. E.O. Afoakwa
Ms. Cynthia Gadegbeku
Mr. A.P. Egyir-Yawson

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

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

Dr. W.B. Owusu
Dr. Anna Lartey
Dr. Isabella Sagoe-Moses (MOH)
Dr. Charles Sagoe-Moses (MOH)
Ms. Veronica Gomez (MOH)

3. *Post-harvest Technology of Roots and Tubers.*

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

Prof. G.S. Ayernor
Mrs. Agnes Budu

Post-graduate Theses completed and passed

Title	Student	Major Supervisor
Chemistry and Microbiological Quality of Cocoa Pulp Juice (Sweatings) and its Potential for Fruit Juice Production.	Esther Gyedu	Dr. E. Sakyi-Dawson
A Survey of the Nutritional Status of Women at Otinibi, a Peri-urban Community Near Accra.	Richard Banson	Dr. M. Steiner-Asiedu
Storage and Packaging Studies on Degermed Maize Flour.	Paul Houssou	Prof. G.S. Ayernor
Effects of Processing Methods on the Quality of Palm Oil in Ghana.	Nathan Mensah	Prof. G.S. Ayernor

Some Research work undertaken by Undergraduate students

1. Properties and preservation of avocado pear (*Persea americana*)
2. Influence of pre-storage treatment packaging material and storage time on the quality of cowpea.
3. Evaluation of the operations of micro and small-scale fruit juice processing enterprises.
4. Carotene for Vitamin A in some tropical fruits.
5. Technical food canning evaluation (FCE) of snails (*Achatina achatina*).
6. Food Intake and Nutritional status of teenage mothers and their infants.
7. Prevalence of anaemia in adolescent pregnant females in their third trimester.
8. Assessment of nutritional status of lower primary school children at Bowiri-Amanfrom in the Jasikan District.
9. Formulation and chemical analyses of local weaning foods for Ghanaian infants.

Publications

Lartey, A.

- Effects of pregnancy sickness on infant birth-weight and maternal weight-gain among Ghanaian women, *Ecology of Food and Nutrition* (2000) vol.40: 143-157.

Asibey-Berko, E.; Lokko, P. and Nerquaye-Tetteh, G.

- (2000) . The effect of fish-smoking on the Iodine content of some Ghanaian sea fish, *Ghana Journal of Agricultural of Agricultural Science*, Vol.33 (In Press).

Asibey-Berko, E.

- (2000). Micronutrient Laboratory Manual. (A compilation).

Tayle, F.A.K.; Lartey, A. and Asibey-Berko, E.

- (2001) Effects of pregnancy sickness on infant birth-weight and maternal weight-gain among Ghanaian women, *Ecology of Food and Nutrition*, Vol.40 pp.143-157.

Mante, E.S.; Sakyi-Dawson, E. and Amoa-Awua, W.A.

- Microbiological safety of cassava dough agbelima: The case of enteric pathogens. In: Proceedings of the 10th Faculty of Science Colloquium, University of Ghana, June 2000.

Ayernor, G.S. and Hammond, T.K.

- (2001) Characteristics of malted rice for the production of sugar syrup (In Press) *Journal of Ghana Science Association (JGSA)*. Presented at the Ghana Science Assoc. (G.S.A.) 22nd Biennial Conference: August 5-9, 2001. University of Cape Coast, Cape Coast.

Mensah, N.K. and Ayernor, G.S.

- (2001) Artisanal and modern processing of palm oil in Ghana (In Press) *Journal of Ghana Science Association (JGSA)*. Presented at the Ghana Science Assoc. (G.S.A.) 22nd Biennial Conference: August 5-9, 2001. University of Cape Coast, Cape Coast. Abstract No.27, *Book of Abstract* p.44.

Odum, B.Y. and Ayernor, G.S.

- (2001) Processing and quality of coconut flakes (In Press). *Journal of Ghana Science Association (JGSA)*. Paper presented at University of Ghana, Faculty of Science Colloquium, May 8-9, 2001 (In Press).

Hammond, T.K., Ayernor, G.S. and Graffham, A.

- (2001) Basic conditions for production of sugar syrup from cassava flour by use of rice malt. *African Journal of Science and Technology (AJST)* (In Press).

Ayernor, G.S.; Hammond, T.K. and Graffham, A.

- (2001) The combination of rice malt and Amyloglucosidase for the production of sugar syrup from cassava flour. *African Journal of Science and Technology (AJST)* (In Press).

Ayernor, G.S. and Houssou, P.

- (2001) Water vapour sorption characteristics of maize flour in relation to storage. *AJST* (In Press).

Houssou, P. and Ayernor, G.S.

- (2001) Appropriate processing and food functional properties of maize flour. *AJST* (In press).

Ayernor, G.S. and Gurah-Sey, K.E.

- (2001) Effect of processing and storage on the level of histamin in fermented fish (*Coreochromis nilotica*). (In press) *Journal of Ghana Science Association (JGSA)* Presented at the Ghana Science Association (G.S.A.) 22nd Biennial Conference, August 5-9, 2001. University of Cape Coast, Cape Coast. Abstract No. 25, *Book of Abstracts* p.44.

Gurah-Sey, K.E. and Ayernor, G.S.

- (2001) Artisanal fish handling practices and spoilage of tilapia fish

(*Coreochromis nilotica*). (In press), *Journal of Ghana Science Association (JGSA)*. Presented at the Ghana Science Association (G.S.A.) 22nd Biennial Conference, August 5-9, 2001, University of Cape Coast, Cape Coast. Abstract No. 34. *Book of Abstracts* p.47.

Hammond, T.K. and Ayernor, G.S.

- Combination of malted rice cereals and cassava starch in the production of sugar syrup, *Journal of Ghana Science Association*, Vol.2 No. 1, 2000 pp.87-92.

Dadzie-Mensah, E. and Ayernor, G.S.

- (2000) Functional role of ascorbic acid in bread-making, *Journal of Ghana Science Association*, Vol.2 No.2, pp.10-15.

Sanni, A.I., Ayernor, G.S., and Sakyi-Dawson, E. and Sefa-Dedeh, S.

- 2000. Aerobic spore-forming bacteria chemical composition of some Nigerian fermented soup condiments. *Plant Foods for Human Nutrition* 55:111-118.
- Microbiological quality of commercial Fanti kenkey in Ghana, *Food Microbiology*, 2000. pp.1-7.

Nketsia-Tabiri, J. and Sefa-Dedeh, S.

- (2000) Effects of salting and drying conditions on the quality of salted dried Tilapia (*Oreochromis niloticus*) fish, *Journal of Applied Science and Technology* 5: 156-161.
- (2000) Quality attributes and utilization of cured fish in Ghana, *Journal of Applied Science and Technology* 5: 148-155.

Mensah-Wilmot, Y., Phillips, R.D. and Sefa-Dedeh, S.

- Acceptability of extrusion cooked cereal/legume weaning food supplements to Ghanaian mothers, *Int'l J. Food Sci. Nutr.* 52: 83-90.

Afoakwa, E.O. and Sefa-Dedeh, S.

- (2001) Chemical composition and quality changes occurring in trifoliolate yam tubers after harvest, *Food Chemistry* 75: 85-91.
- (2001) Changes in cell wall constituents and mechanical properties during post-harvest hardening of trifoliolate yam *Dioscorea dumetorum* (Kunth) pax tubers. *Food Res. Int'l* (In press).
- (2001) Viscoelastic properties and changes in pasting characteristics of trifoliolate yam, *Dioscorea dumetorum* starch after harvest, *Food Chemistry* (In press).
- (2001) Changes in rheological properties and amylase activities of trifoliolate yam starch after harvest, *Food Chemistry*. (In press).
- (2001) Textural and microstructural changes associated with post-harvest hardening of trifoliolate yam *Dioscorea dumetorum* pax tubers, *Food Chemistry* (In press).

Sanni, A.I., Sefa-Dedeh, S. and Sakyi-Dawson, E.

- (2000) Microbiological evaluation of cowpea fortified Ghanaian fermented maize dough. In: *Cowpea Processing and Utilisation*, pp 50-56. Ed. Sefa-Dedeh, S. (Forthcoming).

Komey, N.S. and Sefa-Dedeh, S.

- (2000) Effects of steaming method on some characteristics of hydrothermally treated cowpea seeds. In: *Cowpea Processing and Utilisation*, pp. 75-83. Ed. Sefa-Dedeh, S. (Forthcoming).

Komey, N.S., Chinnan, M.S., Phillips, R.D. and Sefa-Dedeh, S.

- (2000) Physical and functional changes treatment resulting from hydrothermal of whole cowpea seeds. In: *Cowpea Processing and Utilisation*, pp. 62-68. Ed. Sefa-Dedeh, S. (Forthcoming).

Kluytse, Y.M., Phillips, R.D., Hargrave, J.L., Eitenmiller, R.R. and Sefa-Dedeh, S.

- (2000) Formulation, production and evaluation of cowpea-based weaning foods. In: *Cowpea Processing and Utilisation*, pp. 20-26. Ed. Sefa-Dedeh, S. (Forthcoming).

Sefa-Dedeh, S., Egyir-Yawson, A.P., Wilson, D. and Obeng-Ofori, D.

- (2000) The hydrothermal treatment as a replacement for chemical insecticides in the protection against *Callosobruchus maculatus* (F.). In: *Cowpea Processing and Utilisation*, pp. 69-74. Ed. Sefa-Dedeh, S. (Forthcoming)

Opape-Obisaw, C., Orraca-Tetteh, R., Sefa-Dedeh, S. and Lied, E.

- (2000) Evaluation of home-made weaning meals supplemented with cowpeas; protein quality and growth response in malnourished pre-school children. In: *Cowpea Processing and Utilisation*, pp.27-39. Ed. Sefa-Dedeh, S. (Forthcoming).

Sanni, A.I., Sefa-Dedeh, S., Sakyi-Dawson, E. and Asiedu, M.S.

- (2000) Effect of processing conditions on the viscosity, in vitro protein and starch digestibilities of ogi-baba, a Nigerian fermented sorghum gruel. In: *Cowpea Processing and Utilization*, pp. 45-49. Ed. Sefa-Dedeh, S. (Forthcoming).

Sefa-Dedeh, S., Sakyi-Dawson, E. and Afoakwa, E.O.

- (2001) Comparative evaluation of cowpea varieties and their performance in a fermented food product. Abstract #44D-13. *IFT Annual Meeting Technical Program Abstracts*. p 95.

Sefa-Dedeh, S. and Afoakwa, E.O.

- (2001) Biochemical and textural changes in trifoliate yam, *Dioscorea dumetorum* Abstracts. p. 96.

Sakyi-Dawson, E., Amankwaah, C. and Sefa-Dedeh, S.

- (2001) Texture profile, nutritional and physicochemical characteristics of some cowpea varieties commonly consumed in West Africa. Abstract #73G-26. *IFT Annual Meeting Technical Program Abstracts*. p. 196.

Sefa-Dedeh, S., Sakyi-Dawson, E. and Afoakwa, E.O.

- (2001) Effects of drying method, packaging and storage on the quality of cowpea-based weaning foods. Abstract #88E-22. *IFT Annual Meeting Technical Program Abstracts*. pp232.

Sefa-Dedeh, S., Sakyi-Dawson, E., Afoakwa, E.O., Andoh-Kumi, K. and Tano-Debrah, K.

- (2001) Effects of drying method, and packaging and storage on the quality cowpea-based weaning foods. In: *Book of Abstracts, Institute of Food Technologists Abstract No. 88E-22*

Published Abstracts

Lartey, A.

- (2001) Infant weight-for-length positively predicts subsequent linear growth in four different populations *FASEB J* abstr #831.8.
- (2001) Breast-feeding promotion is associated with exclusive breast-feeding success in Ghana. *FASEB J* abstr #502.15.
- (2001) Complementary feeding strategies to improve child growth in developing countries. *Annals of Nutrition and Metabolism*, 45(Suppl.1):445 abstr #6.05.2.002

Ayernor, G.S. and Gurah-Sey, K.E.

- Effect of processing on the level of Histamine in fermented fish (koobi). Ghana Science Association 22nd Biennial Conference, 2001. *Book of Abstract* p.44. No.25.

Mensah, N.K. and Ayernor, G.S.

- Artisanal and modern processing of palm oil in Ghana. Ghana Science Association 22nd Biennial Conference, 2001. *Book of Abstract* p.44. No. 27.

Gurah-Sey, K.E. and Ayernor, G.S.

- Artisanal fish handling practices and Spoilage of tilapia. Ghana Science Association 22nd Biennial Conference, 2001. *Book of Abstract* p.47 No.34.

Hammond, T.K. and Ayernor, G.S.

- Characteristics of malted rice for the Production of sugar syrup. Ghana Science Association 22nd Biennial Conference, 2001. *Book of Abstract* p.48, No.36.

Presentations at Conferences

Sakyi-Dawson, E.

- Traditional Food processing in Ghana: A means of enhancing food security. Seminar paper presented at the Center for African Studies, Univ. of Florida, USA. October 20, 2000.

Sakyi-Dawson, E., Amankwaah, C., Ayin J. and Sefa-Dedeh, S.

- Texture profile, nutritional and physicochemical characteristics of some cowpea varieties commonly consumed in Ghana. Presented at the Annual Conference of the Institute of Food Technologists, New Orleans, Louisiana, USA, June 23-27, 2001.

Sakyi-Dawson, E., Nartey, N.N. and Amoa-Awua, W.K.

Feasibility of the use of Starter Cultures in the production of Soydawadawa. Presented at the Annual Conference of the Institute of Food Technologists, New Orleans, Louisiana, USA. June 23-27, 2001.

Mante, E.S., Sakyi-Dawson, E. and Amoa-Awua, W.K.

- A Study of microbial interactions during the fermentation of Agbelima (Cassava dough). Presented at the 22nd Biennial Conference of the Ghana Science Association, Cape Coast, August 5-9, 2001.

Tano-Debrah, K. and Bruce-Baiden, G.

- (In press) Microbiology of white clays eaten in Ghana. Proceedings of 11th Faculty of Science Colloquium, 2001, Legon.

Tano-Debrah, K. and Nketiah, O.B.

- (In press) Microbiology of packaged drinking sold in Ghana. Proceedings of the 11th Faculty of Science Colloquium, 2001, Legon.

Sampson, E., Tano-Debrah, K. and Amoa-Awua, W.

- (In press) Suitability of palm wine and its microflora as raw materials for the production of vinegar. Proceedings of the 11th Faculty of Science Colloquium, 2001, Legon.

Conferences/Workshops/Seminars attended

Asibey-Berko, E.

- Iodine Laboratories, Bangkok, Thailand, May 19-26, 2001.

Lartey, A.

- WHO Expert consultation on the optimum duration of Exclusive breastfeeding. March 27–April 30, 2001. Geneva, Switzerland. World Vision Annual Nutrition Workshop. April 30 – May 9, 2001. Dakar, Senegal.
- International Congress of Nutrition, August 27-31, Vienna, Austria.

Sakyi-Dawson, E.

- International Seminar. Center for African Studies, University of Florida, USA, October 20, 2000.
- Annual Meeting of the Institute of Food Technologists, New Orleans Louisiana, USA, June 23–27, 2001.
- 22nd Biennial Conference of the Ghana Science Association, Cape Coast, August 5-9, 2001.
- Symposium/Workshop on the Genetic Improvement of Cowpea and the Bean/Cowpea Collaborative Research Support Program Regional Meeting, Georgia, USA, January 10–18, 2001.
- AFROFOODS Data Centers' Co-ordinators' Meeting, Pretoria, South Africa, June 4-8, 2001.

Ayernor, G.S.

- 1st National Workshop on Agro-Industrial Development, May 3, 2001, Accra.
- 2nd National Workshop on Agro-Industrial Development, September 6, 2001, Accra.
- Workshop on Home Gardens. Bunso, May 17, 2001.
- Faculty of Science Colloquium, May 8-9, 2001, Legon.
- Ghana Science Association 22nd Biennial Conference, Cape Coast, August 5-9, 2001.
- Postharvest Curriculum Review Workshop, July 30–August 3, 2001, Kumasi.

Sefa-Dedeh, S.

- Annual Meeting of the Institute of Food Technologists, June 2001, New Orleans, USA.
- Workshop on Enhancing Educational Initiatives, Michigan State University, East Lansing, Michigan, USA, June 11–16, 2001.

Owusu, W.B.

- National Nutrition Pre-Service Curricula Review and Development Workshop, April 3 – 4, 2001, Accra.
- Curricular Development for Improved Pre- Service Training in Nutrition: Awareness Building Conference for Stakeholders. August 6-7, 2001. Agona Swedru.
- 6th Annual Meeting of Nutrition Focal Points, September 24-28 2001, Accra.

Tano-Debrah, K.

- Postharvest Curriculum Review Workshop, Kumasi, Ghana.

Extension Work**Sefa-Dedeh, S.**

- Provided training for small-scale food processors on plant operations and quality management. This was part of the UNIDO/GOG Integrated Programme on capacity building for growth oriented and competitive MSME development.

Ayernor, G.S.

- Chairman, 1st Technical Committee of the Ghana Standard Board. Member, Food and Drugs Board.

Owusu, W.B.

- Contributes articles on LIFESTYLE AND HEALTH in The Mirror. Resource Person on the Nutrition and Health segment of the GTV Breakfast Show. Coordinates the Public Health Nutrition Course (GSPH618) at the School of Public Health, University of Ghana, Legon.

Tano-Debrah, K.

- Resource Person for Senior Staff Appointment Confirmation at the Food Research Institute, CSIR.

Benefactors

By reason of on-going interactions with UNICEF in relation to Ghana's Iodine Deficiency Disorders programme, a substantial consignment of glassware and chemicals from UNICEF stores, Tema, was donated to the Faculty of Science in May 2001. This was specifically given to the Departments of Nutrition and Food Science and, Chemistry.

Endowment Fund

The Department has instituted an on-going Endowment Fund to support special student needs and to sustain Departmental teaching and research activities including provision of computer-related facilities.

DEPARTMENT OF OCEANOGRAPHY & FISHERIES

Overview

Graduate training in the areas of oceanography and fisheries has made appreciable progress. Nine graduate students are enrolled in the Department. Research activities include studies on fish, fisheries, plankton, benthos, and mammals (dolphins). The Darwin Initiative Project on Marine Biodiversity Capacity Building

in West Africa is on-going. The Department hosted a training workshop on marine biodiversity for research scientists and university lecturers from over 15 countries in the sub-region.

Courses

The Department runs M.Phil and Ph.D programmes in Fisheries Science and Oceanography. The M.Phil programmes include courses on Coastal Zone Management. The Department teaches the Integrated Coastal Zone Management and Fisheries Management components of the M.Phil. Environmental Science Programme of the Faculty of Science. It services, also, undergraduate aquatic courses such as Limnology and Fisheries Biology as well as contributes to supervision of undergraduate dissertations in the Department of Zoology.

The Ghana Armed Forces Staff College benefits from our services. This year, the Department gave lectures in 'Science of Oceanography' as part of the training programme of senior officers of the College from West Africa.

Student Numbers

During the year under review, there were 6 M.Phil and 3 Ph.D students enrolled in the Department at various levels of completion of their studies.

Staff

Academic Staff

A.K. Armah	Senior Lecturer
G. Wiafe	Lecturer
F.K.E. Nunoo	Lecturer
Gideon K. Obiri	Research Assistant

Mr Wiafe has completed his Ph.D studies in Oceanography.

Part-Time Lecturers

Prof. C. J. Vanderpuye
Dr. V. Ziddah
Dr. P.K. Ofori Danson
Dr. A. Ofori-Quaah

Non-academic staff

Five administrative staff supported the academic staff.

Collaborative Research and Programmes

Polish Academy Sciences/University of Gdansk

The collaborative programme continued with the finalisation of laboratory analytical work on copepods and tilapia from Ghanaian offshore waters and lagoons respectively. Results are in advanced stages of publication in reputable international journals.

Darwin Initiative – Marine Biodiversity of West Africa

The Department hosted an Advanced Training Workshop in Marine Biodiversity of West Africa from 8-19th January 2001. It attracted research scientists and university lecturers from over 15 countries in the sub-region. The workshop tested the marine biodiversity teaching materials that had been developed by Darwin experts and fellows. The teaching materials covered specialist areas such as benthos, fish, habitat mapping, macro-algae and zooplankton. On the basis of the workshop findings, these teaching materials have since been revised and distributed throughout West Africa for teaching and research. A key legacy of the workshop is the establishment of new partnerships among participants and the production of a quarterly newsletter (*WAMBIO*) hosted by the Department.

Other On-going research activities

- Natural and anthropogenic impacts on sandy shore fauna along the Ghanaian coast.
- An assessment of the impact of urbanization and industrialization on the structure of the marine benthic community of the coastal waters off Accra-Tema.
- Marine plankton biodiversity in Ghana and influence of climatic and hydrographic factors on phytoplankton and zooplankton communities off the coast of Ghana.
- Biotic, abiotic and anthropogenic factors controlling nearshore marine fishes caught in beach seines in Accra and implications for management.
- The growth of pond-cultured Pink shrimp *Penaeus notialis* using agro-based food.
- Ecological studies on the Keta Lagoon.
- The population biology and ecology of dolphins in Ghana.
- Germination and establishment studies on the Black mangrove, *Avicennia germinans*.

Publications

Armah, A.K.

- Ghana National Report for The Guinea Current Large Marine Ecosystem Project of UNEP/UNIDO/UNDP (2001). 43 pp.

Wiafe, G. and Frid, C.L.J.

- (2001) Guide for the Identification of Marine Zooplankton of West Africa. Produced by the Darwin Initiative Project on Marine Biodiversity of West Africa. Includes CD-ROM of zooplankton database.

Nunoo, F.K. E.

- (2001). The Threat of Shrimpers to Marine Fish Biodiversity – A Case Study from Ghana. *WAMBIO NEWSLETTER* 4:23-26.

Nunoo, F. K. E. & Ebenezer Quayson

- (In Press). Towards Management of Litter Accumulation – Case Study of Two Beaches in Accra, Ghana. *Journal of the Ghana Science Association*

Conferences/Seminars

Armah, A.K.

- Darwin Initiative for the Survival of Species Advanced Training Workshop in Marine Biodiversity of West Africa. January 8-19, 2001. University of Ghana, Legon, Accra.
- GEF/MSP on Development and Protection of the Coastal and Marine Environment in Sub-Saharan Africa. ACOPS/IOC-UNESCO Intersessional Regional Meeting of the Working Group on Integrated Problem Analysis (WGIPA-1), March 12-14, 2001, Mombasa, Kenya.
- UNDP/UNEP Guinea Current Ecosystem Project Stocktaking Meeting. May 14-18 2001, Accra.
- Global International Waters Experts Meeting on GEF Medium Size Project on Development and Protection of the Coastal and Marine Environment in Sub-Saharan Africa, July 26, 2001, Accra.
- WAFRINET-GHANA workshop, University of Ghana, September 27, 2000.

Wiafe, G.

- Darwin Initiative for the Survival of Species Advanced Training Workshop in Marine Biodiversity of West Africa. January 8-19, 2001, University of Ghana, Legon, Accra.

Nunoo, Francis K.E.

- Darwin Initiative for the Survival of Species Advanced Training Workshop in Marine Biodiversity of West Africa. January 8-19, 2001. University of Ghana, Legon, Accra.
- DFID/FAO Technical Meeting on Beach Seines. Sustainable Fisheries Livelihoods Programme in West Africa. July 23-24, 2001, Cotonou, Benin.
- Global International Waters Experts Meeting on GEF Medium Size Project on Development and Protection of the Coastal and Marine Environment in Sub-Saharan Africa, July 26, 2001, Accra.

DEPARTMENT OF PHYSICS

Overview

One new lecturer was appointed and a one year appointment given to two Visiting Scholars. The Department continues to rely on a number of Part-Time Lecturers from the Ghana Atomic Energy Commission, Kwabenya and a number of post-retirement professors due to the large intake of students.

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 613: Quantum Mechanics

PHYS 615: Electrodynamics

PHYS 641: Reactor Physics

PHYS 634: X-Ray Fluorescence Analysis

PHYS 638: Energy

PHYS 612: Thermodynamics & Statistical Mechanics

PHYS 614: Principles of Nuclear Physics

PHYS 616: Solid State Physics

PHYS 638: Meteorology

Student Numbers

Level 100	698
Level 200 (Mathematical/Physical/Earth Science Option)	35
Level 200 (Biological Science Option)	350
Level 300	29
Level 400	43
M.Phil Part I	2
M.Phil Part II	3
Ph.D.	1

Staff Position

Prof. J. K. A. Amuzu (=)	Professor
Prof. G. K. Tetteh (+)	Professor
Prof. R. D. Baeta (+)	Professor
Prof. E. K. Agyei (+)	Associate Professor
Prof. K. G. Adanu (+)	Associate Professor
Prof. A. Andam	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. M. Adeleye	Visiting Lecturer

- = Pro Vice-Chancellor
- + 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. X-ray Fluorescence Analysis: Applications in Medicine, Environmental and Geological Exploration.
3. Medical Imaging Using Electrical Impedance Tomography.
4. Determination of land and sea surface temperatures from NOAA satellite images. Application of remote sensing in climatology.
5. Development of the application of photovoltaic power systems.
6. Maximum entropy spectral analysis of rainfall in Ghana.
7. Fracture of Ceramic Crystal.

Conferences/Seminars/Workshops

Ahadzi, G. M.

- 1st Regional College on Frontiers of Condensed Matter Physics. University of Cape Coast, Cape Coast, August 20-24, 2001.

Nkrumah, G.

- 1st Regional College on Frontiers of Condensed Matter Physics. University of Cape Coast, Cape Coast, August 20-24, 2001.

Tetteh, G. K. T.

- International Conference on Radiological Protection of Patients in Diagnostic and Interventional Radiology, Nuclear Medicine and Radiotherapy. Malaga, Spain, March 26-30, 2001.

Oduro-Afriyie, K.

- International Workshop on Monitoring Air Pollution due to Combustion Processes. October 30–November 4, 2000, Cape Coast.
- 8th Session of the Inter-Governmental Panel on Climate Change (IPCC), Shanghai, China, January 17-20, 2001.

Publications

Nkrumah, G., Mensah, S. Y., Allotey, F.K.A., Mensah, N. G. &

- (2001) Differential Thermopower of a CNT Chiral Carbon Nanotube; *Journal of Physics: Condensed Matter Physics*, 13, pp. 56-53.
- (2001) Ground State Energy of a Polaron in a Superlattice; *Superlattices and Microstructures*, 29, pp335.

Tetteh, G.K

- Conference Paper: Accurate Assessment of the Distortions Produced by the

Transit Dose in HDR Brachytherapy. Conf. Proceedings: IAEA-CN-85-6, pp669-673, 2001.

External

Ahadzi, G. M.

- Member, Electrotechnical Committee – Ghana Standards Board
- Visiting Verifier, City & Guilds International, London.

Oduro-Afriyie, K.

- Member, Ghana National Committee on Climate Change.

Kakane, V. C. K.

- In Charge: NOAA Receiving Station.

Achievement

Oduro-Afriyie, K.

- Made Senior Associate, Abdus Salam International Centre for Theoretical Physics, Trieste, Italy for the period January 1, 2001 to December 31, 2006.

DEPARTMENT OF STATISTICS

Overview

There appears to be some efficiency in the use of our facilities by other university departments and institutes as a result of the emergence of good order. However, such users would need to be reminded that the grant of permission does not entail any obligation on our part to supply chalk and dusters.

Patronage of our growing library by students is very high. This is partly because most of the recommended text books for various courses are available, though the numbers would need to be increased; moreover, Statistics text books are now very expensive and therefore almost beyond the purchasing power of many students.

The computers in our laboratory are outmoded; indeed, most of them have broken down as a result of heavy usage by students, though a lot of AFUF money has gone into their maintenance. We would welcome any help by the university authorities in replenishing our stock, especially if it is backed by the employment of a qualified computer technician.

For no good reason, many B.A students with acceptable A' Level or Level 100 passes in Mathematics have tended to include in their three Level 200 subjects Economics and Statistics but not Mathematics. This practice intensified in the year under

review in spite of the display on our notice boards of the problems involved and the regulations. Many such B.A students form a 'rational' expectation of taking a single major in Economics and a minor in statistics at Level 300 and ignore the warning that this is a dangerous gamble, for their expectations could turn out to be irrational if they are forced by unforeseen circumstances to opt for a combined major including Statistics and therefore have to contend with the requirement of Level 200 passes in some Mathematics courses.

The Department is working with the Admissions Board to find out how best this new problem can be solved.

Teaching Programmes

No changes occurred in the courses we offer for the B.A and BSc. Degree programmes. Dr. I.G. Akar took up a sabbatical leave and this coupled with the sudden resignation of our visiting scholar, Dr. Kokou Baninganti, with effect from 28th February, 2001 worsened the problem of a heavy load of teaching at the expense of individual research. Dr. Akar came to our aid during the second semester which coincided with his holidays.

We also received valuable help from Mr. F.O. Mettle and Mr. E.N.N. Nortey in the second semester when they were appointed Teaching Assistants, and from Mr. J.K. Gbang, an M.Phil. student who was appointed a Demonstrator.

Enrolment Trends

	1999/2000	2000/2001	2001/2002
Level 200	119	85	122
Level 300	64	43	56
Level 400	47	39	34
Total Undergraduate	230	167	212
M.Phil.	6	7	6
Ph.D	1	1	1
Service Courses for Biologists	349	346	

Staff

Dr. F.K. Atsem	Lecturer (Ag. Head of Department)
Prof. S.I.K. Odoom	Associate Professor (on contract)
Dr. I.G. Akar	Lecturer
Mrs. M.E. Danso-Manu	Senior Lecturer
Dr. Kokou Baninganti	Visiting Scholar (resigned on 28th February, 2001)

Part-Time Lecturers

Mr. S.A. Yeboah	SSNIT
Mr. E. Amartey-Vondee	SSNIT
Dr. B.K. Gordor	University of Cape Coast

Research and related activities

Atsem, F.K.

- The Ergodic Theorems of Demography

Akar, I.G.

- Sampling Techniques

Danso-Manu, M.E.

- Economic and Social Statistics

Odoom, S.I.K.

- Biological Processes, Risk Theory

Publications

None in the year under review. However, some papers were submitted to journals for consideration. Among them is Atsem F.K., "Some Results of Ergodic Non-negative matrix products".

DEPARTMENT OF ZOOLOGY

Overview

The department continues to promote zoological research and to train young graduates in zoology. Postgraduate programmes offered include Parasitology and the Africa Regional Postgraduate Programme in Insect Science (ARPPIS).

The department 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.

The department hosted a regional training course in "Biological Control of Aquatic Weeds" from October 25 to November 3, 2000. There were participants from Ghana, Togo and Burkina Faso, and funding was provided by the Food and Agriculture Organisation (FAO). The co-ordinator was Dr. D. Wilson, a Technical Co-operation Among Developing Countries (TCDC) expert on the FAO Water Weed Management Project.

Dr. C. Gordon continued as the Interim Executive Director of the Centre For African Wetlands (CAW), with responsibility for its establishment. He also continued to be the Co-ordinator and a lecturer of the Graduate Environmental Science Programme (M.Phil, Faculty of Science). Two other senior members of the department (Dr. D.K.

Attuquayefio and Dr. D.A. Edoh) continued to teach courses in the programme.

Dr. Chris Starr of the Department of Biological Sciences, University of West Indies, visited the department from January 15 to March 29, 2001 for collaborative work with Dr. D. Wilson. He supervised two final-year BSc projects and presented a seminar on March 21, 2001.

The department continued its collaboration with the Volta Basin Research Project (VBRP) joint research projects, and shared lecturers/research fellows, technicians and students.

Staffing Position

Dr. A.A. Mosuro, who joined the teaching staff on sabbatical leave from the University of Ibadan, Nigeria during the 1999/2000 academic year, tendered his resignation during the inter-semester break in the academic year under review.

Mr. Langbong Bimi spent the academic year at the Centers for Disease Control and Prevention (Department of Parasitic Diseases), Biology and Diagnostics Branch in Atlanta, United States.

Dr. John Kpikpi resigned from the University.

Dr. Rosina Kyeremanten was appointed Lecturer in the department.

Prof. W.Z. Coker and Dr. S. Yeboah (University of Cape Coast) continued to teach in the department on part-time basis.

Ms. Yvonne Nyameshie (Assistant Technician) resigned from the University during the academic year.

Courses/Students Numbers

The department mounted courses at all levels.

Level	Student Numbers
100	379
200	372
300	41
400	30
M.Phil I (Parasitology)	0
M.Phil I (ARPPIS- Insect Science)	8
M.Phil II (Parasitology)	3
M.Phil II (ARPPIS- Insect Science)	0
Ph.D	8

Research Activities/Grants

Attuquayefio, D.K.

Continued his research activities on the following:

- Faunal surveys (herpetofauna and mammals) in selected localities in Ghana as part of Environmental Impact Assessment (EIA) of proposed environment-related projects.

Specific research activities involved:

- baseline faunal surveys (inventories) of the following, as part of Environmental Impact Assessment (EIA) of the following in collaboration with the Botany Department, and Ghana Wildlife Society (GWS):
- a proposed expansion zone for a sulphide mining project near Bogoso in the Western region (February, 2001)
- a proposed Bui Dam Project at Bui National Park in the Brong-Ahafo and Northern regions (August, 2001)
- research into aspects of the ecology of agama lizards (*Agama agama*)
- development of proposals for research into various aspects of the bushmeat trade in Ghana in collaboration with the Institute of Renewable Natural Resources (IRNR/KNUST), Zoology Department (University of Cape Coast), and Animal Research Institute (ARI/CSIR)

Gordon, C.

Carried out work on the Limnology and Ecotoxicology of the Lower Volta, and supervised five M.Phil student dissertations covering the research areas of:

- Water quality of the Kpong Headpond
- Wetland Management of the Songor Ramsar site
- Impact of coastal tourism on the environment
- Environmental profile of the Pra river wetlands
- Environmental Audits of fuel stations

Wilson, D.D.

- Continued his research into the biology and integrated management of the sweet potato weevil in southern Ghana
- Continued work on the biological control of aquatic weeds in Ghana in collaboration with the Water Research Institute (WRI), Environmental Protection Agency (EPA), and the Volta River Authority (VRA)

Edoh, D.A.

- Causes of infertility in Ghanaians- research into the roles of bacterial infection, structural abnormalities, and pre-term delivery- in collaboration with the Women's Clinic, Tema.
- Sensitivity and specificity of Medical Laboratory methods- test of the methods and reagents used in medical laboratory diagnosis, especially the

Widal Test for typhoid diagnosis- in collaboration with private Medical Laboratories

- Bacteriological and physico-chemical properties of drinkable water- comparison between sealed and hand-tied bagged water at various locations in Accra- in collaboration with Water Research Institute.

Cobblah, M.A.

Conducted research into:

- The role of termites in soil movement and formation in forests in the Eastern region of Ghana
- Dust mites and related allergies (particularly asthma) in Ghana
- Taxonomy of termites in forests of the Eastern region of Ghana
- Insect fauna of upland rice in the Kwaebibirem District of Eastern Ghana
- Systematic revision of *Psytalia* species (Hymenoptera: Braconidae), Parasitoids of Fruit-infesting flies (Diptera: Tephritidae) in Africa

Darpaah, G.A.

- Continued his research into the ecology, biology and culture potential of two local shrimp species (*Penaeus notialis* and *Penaeus kerathurus*) as a rational basis for the development of shrimp aquaculture in the Lower Volta of Ghana.

Bimi, L.

- Carried out research into the molecular epidemiology of guinea worm at the Centers for Disease Control and Prevention (Department of Parasitic Diseases), Biology and Diagnostics Branch in Atlanta, United States. It formed part of his PhD programme, which was partly sponsored by a Volta River Authority Fellowship through the University of Ghana Staff Development Scholarships, the Oak Ridge Institute for Science Education (ORISE), and the Atlanta Research and Education Foundation (AREF).

Kyeremanten, R.A.K.

- Studies on the Chironomidae fauna of southern Ghana
- Insect survey at Bui National Park as part of the terrestrial ecology component of Environmental Impact Assessment (EIA)
- Analysis of data collected from long-term monitoring of butterflies of Mt. Afadjato Community Forest Reserve, in collaboration with Ghana Wildlife Society (GWS).
- On-going project on reducing the threat of plastic waste to climate change and marine biodiversity through recycling- GEF Project

Extension

Attuquayefio, D.K.

- Member, Faculty of Science Time-Table Committee
- Member, Faculty of Science Textbook Committee
- Member, Admissions Boards for the Faculties of Science and Agriculture
- Member, Examinations Board of the Faculty of Science
- Referee/Assessor, West African Journal of Anatomy (WAJA)- Department of Anatomy, University of Ghana Medical School
- Continued Membership of the following Professional Associations:
 - The Mammal Society, London, U.K.
 - Ghana Science Association (GSA)
 - Ghana Association for the Conservation of Nature (GACON)

Gordon, C.

Continues to serve on various International Boards and Committees including:

- Executive Council of the International Society of Mangrove Ecosystems.
- Co-ordinator of the ITTO Global Mangrove Database and Information System
- Member of the Editorial Board of the *African Journal of Science and Technology* (UNESCO);
- Series Editor for the Occasional Paper Series of the Societas Internationalis Limnologiae (SIL).
- Member, Wetland Inventory & Monitoring Specialist Group, Ramsar
- African Reptiles and Amphibians: Member of Specialist Group. (IUCN);
- 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)
- Chair, UNESCO-IHP Steering Committee on the Humid Tropics (Africa).
- Member, Wetlands International, West Africa Steering Committee
- Member Scientific Committee Africa Basins Workshop Land Ocean Interactions in the Coastal Zone (LOICZ, IGBP).

Wilson, D.D.

- Member of the National Water Hyacinth Control Committee to provide the technical background for biological control methods
- Chairman, Editorial Committee, Faculty of Science Colloquium

Cobblah, M.A.

- Consultancy services on insect pests and natural enemies identification, biology, and control
- Public education programmes on harmful effects of living with cockroaches

Publications

Attuquayefio, D.K. and Appiah, S.O.

- (2000) "Assessment and Comparison of Current Rodent Control Techniques Towards the Protection of Young Oil Palms (*Elaeis guineensis*) in the Field" *Journal of the Ghana Science Association*, 2 (2): 99-106
- "Rodents of Economic Importance in the Establishment of Oil Palm (*Elaeis guineensis*) Plantations in Ghana". *Journal of the Ghana Science Association* (in press).

Attuquayefio, D.K. and Gbogbo, F.

- "Prospects of Conserving the Mukwe Lagoon and Wetlands at Nungua in the Greater-Accra Region of Ghana". *West African Journal of Applied Ecology* (in press) .

Mzamo, K.B. and Attuquayefio, D.K.

- "Bufo regularis: A Potential Threat to Exotic Dogs in Ghana". *Ghana Journal of Science* (in press).

Attuquayefio, D.K. and Nyame, S.K.

- (2001) "Terrestrial Fauna of Bui National Park: Situation Report to BKS Acres" 12 pp.

Attuquayefio, D.K. and Ayivor, J.S. (Eds.)

- (2001) "Volta Basin Research Project: Lower Volta Environmental Impact Studies - Progress Report for the Third Phase (March 1, 2000 to September, 2000)". Report to Volta River Authority. 51 pp.

Owusu, E.H. and Attuquayefio, D.K.

- (2001) "Bogoso Sulphide Project: EIA Baseline Faunal Survey". Report to Knight Piesold. 26 pp.

Attuquayefio, D.K. (Ed.)

- (2001) "Baseline Terrestrial Ecological Survey of Bui National Park. Preliminary Report to BKS-Acres and Ghana Wildlife Society" 89 pp.
- (2001) "Herpetofauna and Small Mammals of Bui National Park". pp. 11-16. In: *Baseline Terrestrial Ecological Survey of Bui National Park: Preliminary Report to BKS-Acres and Ghana Wildlife Society*. 89 pp.
- (2001) "General Introduction. pp. 48-58. In: *Baseline Terrestrial Ecological Survey of Bui National Park: Preliminary Report to BKS-Acres and Ghana Wildlife Society*. 89 pp.

Gordon, C. and Yawson, S.K.

- (2001) "Rapid Environmental Assessment and Action Planning of Densu River". Section 3. Water Quality Component (Final Report). Prepared for Nii Consult. United Nations Centre For Human Settlements: Water for African Cities. 20 pp.

Gordon, C.

- (2001) "Aquatic Resource Management and Freshwater Ecosystems in West Africa". In Crisman, T., Chapman, L., and Chapman, F. FW University of Florida Press, Gainesville Florida.
- (2001) "Bui Environmental Impact Assessment, Situation Report: Aquatic Ecology". Prepared for BSK-Acres, Volta River Authority. 31 pp.

Van der Winden, J., Nyame, S.K., Ntiamo-Baidu, Y. and Gordon, C.

- (2001) "Black Terns in Ghana, October 2000". Report of an exploratory survey for the future of Black Tern studies in coastal wetlands. Bureau Waardenburg bv/Centre for African Wetlands/Ghana Wildlife Society/NC-IUCN 58 pp.

Gordon, C. and Ankrah, H.O.

- (2000) "The Aquatic Ecology of the Chemu Lagoon and its Catchment". Presentation to Industrial Managers at Tema Prepared for Ayeh & Ayeh Environmental Associates.

Wilson, D.D., Billah, M.K., Kimani-Njogu, S.W.,

Overholt, W.A., and Cobblah, M.A.

- (2001) "Cross-mating Studies in *Psytalia* species (Hymenoptera: Braconidae): Possible Biological Control Implications". Proceedings of the 13th Entomological Society of South Africa. p. 8.

Wilson, D.D., Cobblah, M.A., Darku, S. and Quartey, S.G.

- (2001) "The Sweet Potato Weevil in Southern Ghana". *Journal of the Ghana Science Association* (in review).

Wilson, D.D.

- "The Biological Control of Aquatic Weeds in Ghana". *Journal of Faculty of Science, Legon* (in review).

Edoh, D.A. and Toku, F.O.

- (2001) "National Health Insurance Scheme in Ghana from the Perspectives of Biomedical Science". Conference Proceedings, *Ghana Science Association Journal* (in press).

Edoh, D. A. and Brenya, A.

- (2001) "National Health Insurance Scheme in Ghana: A Community-based Feasibility Study". *Ghana Science Association Journal* (in press).

Cobblah, M.A. and Gordon, I.

- (2000) "Insects of the Muni-Pomadze Ramsar Site". *Biodiversity and Conservation*, 9 (4): 479-486

Cobblah, M.A., and Asare, D.A.

- (2000) "The Use of Insects as Food in Ghana". Proceedings of the 10th Faculty Colloquium. May 2000, pp. 69-73.

Billah, M.K., Kimani-Njogu, S.W., Overholt, W.A., Wilson, D.D. & Cobblah, M.A.

- (2001) "Cross-mating Studies in *Psytalia*-Species (Hymenoptera: Braconidae): Possible Biological Control Implications". Proceedings of the 13th Entomological Congress, Pietermaritzburg. (Eds. T. Olkers & D.J. Brothers), p. 8.

Wilson, D.D., Cobblah, M.A., Darku, S. and Quartey, S.G.

- (2001) "The Sweet Potato Weevil in Ghana". Proceedings of the GSA 22nd Biennial Conference, University of Cape Coast, Cape Coast, Ghana.

Darpaah, G.A.

- "Salinity Tolerance of the Pink Shrimp, *Penaeus notialis* Perez-Farfante: Decapoda, Penaeidae) in the Volta Delta and its Implications on Shrimp Aquaculture in the Lower Volta". Conference Proceedings (in press).
- "Decadal Trends in the Distribution of the Freshwater Clam, *Galatea paradoxa* (Born) - *Egeria radiata* (Lam) in the Lower Volta of Ghana" Conference Proceedings (in press).

Kyeremanten, R.A.K., Saether, O.A., and Anderson, T.

- (2000) "A Review of the *Rheotanytarsus pellucidus* Group (Diptera: Chironomidae)", pp. 147-181. In Hoffrichter, O.(ed.), *Late 20th Century Research on Chironomidae An Anthology from 18th Int. Symp. on Chironomidae*. Shaker Verlag, Achen. 661 pp.

Kyeremanten, R.A.K. and Saether, O.A.

- (2000) "A Review of Afrotropical *Rheotanytarsus* Thienemann et Bause, 1913 (Diptera: Chironomidae)" *Tijdschrift Voor Entomologie*, 143: 27-7

Kyeremanten, R.A.K., Anderson, T. and Saether, O.A.

- (2000) "A Review of Oriental *Rheotanytarsus* Thienemann et Bause, 1913 with Description of New Species (Diptera: Chironomidae)" *Spixiana* 23/3: 225-258

Kyeremanten, R.A.K. and Saether, O.A.

- (2000) "Review of the genus *Rheotanytarsus* Thienemann et Bause, 1913 (Diptera: Chironomidae)." Species List, Phylogeny, Keys, Zoogeography. Tijdschrift Voor Entomologie

Kyeremanten, R.A.K. and Anderson, T.

- (2000) "A Review of Central American and Mexican *Rheotanytarsus* Thienemann et Bause, 1913 (Diptera: Chironomidae)". *Studies on Neotropical Fauna and Environment*, Swets Publishers.

Kyeremanten, R.A.K. and Anderson, T.

- (2000) "A Review of South American and Mexican *Rheotanytarsus* Thienemann et Bause, 1913 (Diptera: Chironomidae)". *Studies on Neotropical Fauna and Environment*, Swets Publishers.

Conferences/Seminars/Workshops

Attuquayefio, D.K.

- National Conference on the Lower Volta Environmental Impact Studies (LVEIS) organised by the Volta Basin Research Project (VBRP) in conjunction with the Volta River Authority (VRA) at the International Conference Centre, Accra (August 30, 2001)
- National Stakeholders Workshop on Endangered Bushmeat, Kumasi, organised by Conservation International (CI) (February 2001).

Gordon, C.

- GEF-UNEP Meeting on the Integrated Management of the Volta Basin. Accra, Ghana. Presented a paper titled "New Initiatives in Water Resource Management: The Centre for African Wetlands and the LOICZ Afribasins Project".
- National Seminar on the Lower Volta Environmental Impact Studies (VBRP/ VRA) Accra, August 2001. Presented a paper (with Addy, M., Ayivor, S.J. Ankrah, H.O.) titled "Limnology and Ecotoxicology: Perspectives from the Lower Volta".
- Final Anglophone West Africa Workshop on National Biodiversity Strategy and Action Plans, Accra, Ghana, September 2001. Presented a paper (with Oduro-Koranteng, L. and Yawson, S.K.) titled "The Integration of Biodiversity into Environmental Assessment Procedures: Case Studies from Ghana".
- JICA International Training programme on Mangroves, Okinawa, Japan September 2001. Presented a paper titled "The Sustainable Management of Mangroves"
- UNEP Conference on The impact of Large Dams on Ecosystem and Aquatic Biodiversity. Nairobi, Kenya, December 2000. Presented a paper (with Yawson, S.K.) titled "The impact of Large Dams on Ecosystem and Aquatic Biodiversity".

Biodiversity in Ghana: The Volta Basin Experience".

Wilson, D.D.

- 22nd Biennial Conference, Ghana Science Association, University of Cape Coast, Cape Coast, August 5-9, 2001. Presented a paper titled: "The Sweet Potato Weevil in Southern Ghana".
- Workshop organised by VBRP/VRA on the Lower Volta Environmental Impact Studies (LVEIS), Accra on August 30, 2001.
- Faculty of Science Colloquium, University of Ghana, Legon.

Cobblah, M.A.

- VBRP/VRA Workshop on the Lower Volta Environmental Impact Studies (LVEIS), Sogakope, Volta Region, Ghana
- Two-day Training Course in Proposal Writing organised by the Natural Resources International (UK) under the DFID Crop Rotation Programme, Accra.
- Ghana Science Association 22nd Biennial Conference, University of Cape Coast, Cape Coast, August 5-9, 2001.
- First WAFRINET LCC. Workshop sponsored by UNDP-TCDC, IITA and MEST, Accra, Ghana, November 27-29, 2000.

Darpaah, G.A.

- One-day seminar on the activities of the Hydrobiology and Fisheries Group of the VBRP's project for the communities of the Lower Volta River, a collaboration of the Volta River Authority, Dangbe East District Assembly and the VBRP (University of Ghana)- Alorkporme, Ada, August 31, 2000.
- One-week workshop on Ghana Environmental Assessment Capacity Development and Training for Consultants, EPA Training School, Amasaman, Accra, April 30- May 8, 2001.
- One-day national seminar on "Supporting the Resource Potential of the Lower Volta Basin", National Conference Centre, Accra, August 30, 2001.
- Three-day seminar of the Ghana Science Association (GSA), University of Cape Coast, August 5-9, 2001.

Kyeremanten, R.A.K.

- Global Youth Health Teleconference- AFF, May 2001
- Doctoral Thesis Seminar titled "Contribution Towards a Revision of the Rheotanytarsus Thienemann et Bause, 1913 (Diptera: Chironomidae), April 2001.
- Environmental Health Conference, NMIMR, University of Ghana, January 2001.
- WAFRINET Workshop on Biodiversity, September 2000.

FACULTY OF SOCIAL STUDIES

DEPARTMENT OF ARCHAEOLOGY

Staffing Position

The staffing position is grossly inadequate in the face of the large number of students catered for by the Department. The Department had only Four (4) Senior Members at post supported by Four (4) Senior Staff and Three (3) Junior Staff for the 2000/2001 Academic Year. Mr. Osei-Tutu Brempong was still on study leave at Syracuse University, New York. Professor James Robert Anquandah continued on post-retirement contract.

Student Numbers

Undergraduate Programme.

	1997/98	1998/99	1999/2000	2000/2001
Level 100	182	146	294	411
Level 200	147	210	110	188
Level 300	131	58	143	56
Level 400	24	29	17	29

Postgraduate

Ph.D.	1	1	1	1
M.Phil	2	3	2	1
	3			

Courses Taught

The Department of Archeology offered courses at the Undergraduate and Graduate levels in the following areas:

Level 100

- ARCH 101 Approaches to the Study of the Past
- ARCH 102 Archaeology and the African Cultural Heritage

Level 200

- ARCH 201 Fundamentals of Archaeological Sciences
- ARCH 202 Foundations of Old & New World Civilization
- ARCH 203 Human Origins & Cultural Foundations in Africa
- ARCH 204 Early Civilizations of Africa.

Level 300

- ARCH 301 Archaeology and the Natural Environment
- ARCH 302 Archaeology, Anthropology and Cultural Evolution
- ARCH 303 Foragers and Farmers in West Africa's Prehistory
- ARCH 304 Complex Societies of Iron Age West Africa

- ARCH 305 Method & Theory of Archaeology
- ARCH 306 Ethnoarchaeology of Africa
- ARCH 307 Art History of Ghana.

Level 400

- ARCH 401 Introduction to Primatology
- ARCH 402 Evolution of Man in Africa
- ARCH 403 Elements of Museums Conservation
- ARCH 405 Palaeo/Historical Demography of Africa
- ARCH 406 Cultural Resource Management
- ARCH 408 Historical Archaeology in Africa
- ARCH 410 Independent Study
- ARCH 411 Practical Archaeology Laboratory
- ARCH 412 Practical Archaeology Field work.

Post-Graduate Programme

- ARCH 601 History of Archaeological Method & Theory
- ARCH 602 Strategies of Archaeology II
- ARCH 603 Strategies of Archeology I
- ARCH 604 Archaeology of Ghana
- ARCH 605 The Iron Age of Sub-Saharan Africa
- ARCH 606 Technological Traditions of Ghana
- ARCH 610 Archaeology of the Nile Valley
- ARCH 611 Field Methods & Techniques.

Research

In addition to individual research interests, the Department also collaborated with researchers from Gt. Britain and Italy under the following linkage Programme:

- (i) Institute of Archaeology, University College of London
- (ii) University of Pisa, Nzema Research Project
- (iii) University of Copenhagen

Anquandah, J.R.

- Completed laboratory analytical studies on material excavated from the Dutch Fort Crevecoeur/Ussher Fort in 1999/2000 year.

Crossland, L.B.

- Continued with historical archaeological research at the "Garden House" James Town.

Bredwa-Mensah, Y.

- Continued with investigations of Slavery & Plantation Lifeways at the Frederiksgave Lodge.
- Completed archaeological excavation at the Frederich Minde (Wulff's Lodge), Osu.

- Conducted investigations into Iron Smelting at Akpafu-Todzi.

Gavua, K.

- Commenced research into the slave routes in Northern Eweland.
- Also undertook a study of Settlements on the Islands of the Volta Lake.

Boachie-Ansah, J.

- Continued with excavation at the Ladoku Site.

Publications

Bredwa-Mensah, Y; Awadzi, T.W. et al 2001

- "A Scientific Evaluation of the Agricultural Experiments at Frederiksgave, the Royal Danish Plantation on the Gold Coast, Ghana." *Danish Journal of Geography*: (Geografisk Tidsskrift) Copenhagen.

Posnansky Prize

The Merick Posnansky Prize for the best student in Archaeology was awarded to Mr. Yussif Ibn Abdallah who graduated with a 1st Class (Hons) Archaeology & Religions.

Extension Work:

- Mr. Yaw Bredwa-Mensah continued as part-time lecturer, National Film Institute (NAFTI). Course History & Culture.
- Dr. Kodzo Gavua continued as Vice-President of the University Teachers Association(UTAG), Legon Branch.

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 continued to offer Bachelors Degree, Master of Philosophy, Masters of Arts in Economic Policy Management and Ph.D. in Economics. It also served other Departments and the Institute of Adult Education (Accra Workers College).

Taught Courses

Level 100

Level 200

Level 300

Level 400

M.Phil Economics

MA. Economic Policy Management

Ph.D. Economics.

Student Numbers

Undergraduate

Level 100	356
Level 200	526
Level 300	227
Level 400	129

Total	1,238
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Postgraduate

M.Phil Econ I	22
M.Phil Econ. II	14
MA. EPM (Cohort Three)	29
PhD	1
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Total	66
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Staff Position

Senior Members

The Department had fifteen (15) full-time lecturers and one part-time lecturer. Out of this number two are on Sabbatical leave and one on study leave.

Senior Staff/Junior Staff

The Department had two Senior Staff and four Junior Staff

AERC—Collaborative Masters Programmes for Anglophone Africa (Excluding Nigeria)

The Department presented fourteen (14) M.Phil students to undertake a three-month additional electives course, under the AERC Collaborative MA Program, i.e, Joint Faculty for Electives (JFC) in Nairobi, Kenya.

Publications

Tsikata, G. K.

Publications and Reports: 2000 - 2001.

- With Yaw Asante and E.M. Gyasi.(2000). "Determinants of Foreign Direct Investment in Ghana". Overseas Development Institute, London.
- With Yaw Asante and Frederick Nixon. (2000) "The Industrial Sector and Economic Development." In Ernest Aryeetey, Jane Harrigan and Machiko Nissanke (ed.), "Economic Reforms in Ghana:The Miracle and the Mirage". James Currey (Oxford), Woeli (Accra) and Africa World Press, Trenton, NJ.

- With Alhassan Idrissu (2001), "The Impact of User Charges and Exemptions on the Poor in Ghana". A Report prepared for the Institute of Economic Affairs and the Danish International Development Agency (DANIDA).

Laryea, A.D.A. with P.W.K. Yankson and Ernest Aryeetey

- (2001) "State of Human Development" Chapter 2 of Ghana Human Development Report 2000, UNDP and ISSER.

Conferences/Seminars/Workshops attended

Baah-Boateng, G. K.

- A Resource Person at the 52nd New Year School organized by the Institute of Adult Education, University of Ghana between January 8-14, 2001 on the sub-topic: "Stabilizing the Cedi: A Strategy for Resuscitating the Economy of Ghana." The broader theme was: "Globalization and the Socio-Economic Development of Ghana".
- A Lecture delivered on the topic "Ghana's Industrial Development" to a group of visiting Fulbright Hays Scholars from Universities and High Schools of Pennsylvania in the United States of America on July 6, 2000 at the University of Ghana, Legon
- Participant: "Increasing Labour Demand and Labour Productivity in Ghana" Dr. George Gyan-Baffour with Dr. Kwadwo Tutu & Dr. Kwabia Boateng, organized by CEPA, EAGER/PSGE, August 2000, Accra.
- Participant: "Equity and Growth through Economic Research in Africa Public Sector for Growth with Equity" organized by Centre for Policy Analysis (CEPA), Accra, June 5, 2000.

Two Papers were discussed

1. "The impact of Financial Sector Reform on Bank Efficiency and Financial Deepening for Savings Mobilization in Ghana," presented by Dr. A. F. Gockel and Dr. Sam Ziorklui;
2. "The Development of Capital Markets and Growth in Sub-Saharan Africa: The Case of Ghana, presented by Dr. Sam Ziorklui and Mr Kofi Osei.

Tsikata, G. K.

- The Institute of Economic Affairs and DANIDA Workshop on "Impact of User Charges on the Poor in Ghana". Paper presented on the research findings. May 17, 2001.
- CEPA Workshop on "International Payments System in Ecowas , Accra, September 27-28, 2001.

Laryea, A.D.A.

- "Macroeconomic Stability, Growth and Poverty Reduction in Ghana" held at the Noguchi Memorial Institute, May 17-18, 2001.

Turkson, F. E.

- Presentation Workshops and Roundtable Discussions on "The Deep Macroeconomic Model and Threshold 21 Long-Term Macroeconomic Model for Ghana", organized by ISODEC in collaboration with The Millennium Institute, USA, July 27–August 2, 2001, GIMPA, Accra.

Research Activity

- Research Assistant: "An Analytical Study of the Labour Market for Graduates in Ghana": A World Bank/National Council for Tertiary Education Project Accra, by Dr. Kwabia Boateng and Prof. E. Ofori-Sarpong with assistance from F. Ebo Turkson (Forthcoming).
- Research Assistant: "Public Policy and Public Investment for Poverty Reduction and Employment Generation in Ghana", an ILO IPRE study jobs for AFRICA-PRESA Programme submitted to the Ministry of Manpower Development & Employment in May 2001 by Dr. Kwabia Boateng.
- "Fiscal Impact on the Soft Drinks Industry in Ghana", a Research Project submitted in January 2000 to Coca Cola Africa in Nairobi with Prof. A. Baah-Nuakoh, Dr. Henry E. Jackson and Mr. S. Wood.

Turkson, F. E.

- "An Analytical Study of the Labour Market for Graduates in Ghana", World Bank/National Council for Tertiary Education Project Accra, by Dr. Kwabia Boateng and Prof. E. Ofori-Sarpong with assistance from F. Ebo Turkson and W. Baah-Boateng (Forthcoming).
- "The Insurance Industry in Ghana", a Research Project Report, "a submitted to the NBFJ Research Programme, School of Administration, University of Ghana. By Prof. A. Baah-Nuakoh, Dr. Barfour Osei, Mr. F. Ebo Turkson, Mr. John Boakye and Mr. E. Owusu-Afriyie – August 2000.
- "The Insurance Industry in Ghana" A Course Document, submitted to the NBFJ Research Programme, School of Administration, University of Ghana by Prof. A. Baah-Nuakoh, Dr. Barfour Osei, Mr. F. Ebo Turkson, Mr. John Boakye and Mr. E. Owusu-Afriyie – August 2000.

DEPARTMENT OF GEOGRAPHY AND RESOURCE DEVELOPMENT**Overview**

The Department continues to provide leadership and academic excellence in Geography and Resource Development. It also enjoys increasingly high patronage from undergraduate and graduate students. Linkage arrangements with the University of Copenhagen (Institute of Geography) and the Norwegian University of Science and Technology (NTNU), Trondheim, Norway, among others, 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, space for laboratory work and more computers for mapping science and Geographic Information Systems.

Courses (2000/2001 Session)

The Department successfully offered courses at BA, M.Phil and Ph.D levels in such areas as Climatology, Population, Resources, Environment, Transportation, Industrial, Gender Studies, Historical Geography, Urban Studies and Regional Development. Senior Members in the Department are active in research and extension activities also in these areas (as indicated in appendices A to G). The Remote Sensing and Applications Unit in the Department has developed into the Centre for Remote Sensing and Geographic Information System (CERSGIS). The following projects, administered by lecturers in the Department, continue to experience good progress during the academic year:

PLEC	Appendix	A
RSAU – Teaching and Research Lab	"	B
FADEP	"	C
PIP	"	D
NUFU Link Arrangements	"	E
Ecological Laboratory	"	F
IBSRAM	"	G

Student Numbers

Category	Number	
	1999/2000	2000/2001
Undergraduates		
Year 1 (Level 100)	213	254
Year 1 (Level 200)	40	30
Year 2 (Level 200)	152	197
Year 3 (Level 300)	185	119
Year 4 (Level 400)	125	177

Graduates

M.Phil	35	44
Ph.D	5	10
Foreign Students	12	11

Staff Position

There were eleven (11) Senior Members, four (4) Senior Staff and six (6) Junior Staff at post under the headship of Professor Elizabeth Ardayfio-Schandorf. There were 3 part-time lecturers to supplement teaching.

Professor J. Songsore, Mr. T.W. Awadzi and Professor P.W.K. Yankson resumed work after their sabbatical leave at the beginning of September, 2001. Professor.

E.A. Gyasi and Dr. Mariama Awumbila, on Sabbatical leave, will resume in the Second Semester.

Staff (2000/2001)

Dr. Elizabeth Ardayfio-Schandorf	(Professor and Head of Department)
Dr. George Benneh	Professor
Dr. J.S. Nabila	Professor
Dr. J. Songsore	Professor
Dr. E.A. Gyasi	Professor
Dr. S.T. Addo	Professor
Dr. E. Ofori-Sarpong	Professor
Dr. P.W.K. Yankson	Professor
Mr. T.W. Awadzi	Senior Lecturer
Dr. A.B. Asiedu	Senior Lecturer
Dr. Mariama Awumbila	Senior Lecturer
Dr. S. Agyei-Mensah	Senior Lecturer
Mr. E. Morgan Attua	Lecturer

Research

Ardayfio-Schandorf, Elizabeth

- Continues with Research on Women in Natural Resources Management Enterprises In Africa

Nabila, J. S.

- A Stakeholder Analysis of Adolescent Sexual and Reproductive Health in Ghana.
- Traditional Practices Affecting Women and Children in Ghana
- Incidence and Spread of Buruli Ulcer in Ghana.

Addo S.T.

- Investigated Urban Transport in Ghana and Africa: Problems and Solutions
- Continuation of work on the manuscript: 'Transport and the Space Economy in Ghana'.

Ofori-Sarpong, E.

- Election 2000 in the Ashanti-Akim District
- Climate Change and Agriculture in the Semi-Arid regions of Upper East and West.

Asiedu, A. B.

- Inter-nation Visiting Friends and Relatives (VER) Tourism To Ghana – A Focus on Ghanaians Resident in the United Kingdom.
- An Annotated Bibliography of Tourism Research on Sub-Saharan Africa

Kufogbe, S.K.

- Internet Research and Networking Systems
- Continuing P.HD Thesis on "Land Use/Cover Change in the Afram Plains

Agyei-Mensah, S.

- The Spread of HIV/AIDS in Ghana
- Patterns of Crime in the City of Accra
- Mental Health in Ghana
- Completed a Book Project on Reproduction and Social Context in Sub-Saharan Africa: A Collection of Micro-Demographic Studies (with John B. Casterline).

Attua, E. M.

- Completion of Ph.D Thesis write-up and Submission for Examination

Extension and Other Activities**Ardayflo-Schandorf, Elizabeth**

- Parrticipated in One Day Consultative Meeting on Strategic Planning Workshop for Promoting Gender Equality in Ghana, at the Institute of Local Government, May 16, 2001.
- Was the Chairman of the Human Resources Sub-Committee of Centre for Biodiversity Utilization and Development, KNUST, Kumasi
- Was a Chairman at the First Biennial Meeting of UNU/INRA College of Research Associates (CRA) at UNU/INRA, University of Ghana, Legon April 19-20, 2001.
- PIP Validation Workshop on the Performance Improvement Action Plan of NCWD at the Government Secretarial School, Accra, May 2-3, 2001.
- West African Representative of the Commonwealth Geographical Bureau
- Chairman – Board of Governors, Accra Girls Secondary School.
- Tropenbos, Bi-National Committee Member

Nabila, J.S.

- Director, Population Impact Project (PIP)
- Management Team, UNFPA Country Programmes
- Chairman, Research Monitoring and Evaluation of National Population Council.
- Member, National and Northern Regional Houses of Chiefs
- Chairman, Research Committee, National House of Chiefs

Ofori-Sarpong, E.

- Give Public Lectures to Christian Societies, Preach in Churches
- Chairs workshops and seminars within the Faculty of Social Studies
- Member of NADMO

Kufogbe, S.K.

- Member, Academic Board
- Member, University of Ghana Water Management Committee.
- Advisor, Ghana Peace Corps, Health/Water and Sanitation Project, Project Planning and Implementation.
- Advisor, Conservation International – Ghana: Cocoa Conservation Project.

Agyei-Mensah, S.

- Member, International Advisory Board, Population, Environment Research

Asiedu, A.B.

- (1998) "An Overview of Issues in Domestic Tourism Promotion in Ghana", *Legon Journal of the Humanities*, Volume 11 (1998) pp.67-84.

Awadzi, T.W. and Asiedu, A.B.

- (2000) "Problems and Potential. Uses of a Dredged Mining Area in Ghana", *Ghana Geographical Bulletin*, Volume 22 (forthcoming)

Kufogbe, S.K.

- "Information and Communication Technology (ICT) Profile in Ghana ": In, Report of the Expert Group Meetings on Establishment of the Centre for South – South Cooperation of the Non-Aligned Movement (NAM-CSSTC), Jakarta, Indonesia, March 27-29, 2001.
- "Perspectives on Information and Communication Technology (ICT) and E Linkages in Ghana." In Report of the Expert Group Meetings on Establishing Electronic Linkages among Non-Aligned Member Countries through the Centre for South-South Cooperation of the Non-Aligned Movement (NAM-CSSTC), Jakarta, Indonesia, August 27-29, 2001.

Agyei-Mensah S. and Casterline, J.B. (eds.)

- "Reproduction and Social Context in Sub-Saharan Africa: A Collection of Micro-Demographic Studies". Greenwood Press, U.S.A. (Forthcoming 2001).
- "Introduction" In S. Agyei-Mensah and J.B. Casterline (eds.) *Reproduction and Social Context in Sub-Saharan Africa: A Collection of Micro-Demographic Studies* (Forthcoming, 2001).

Agyei-Mensah, S., Aase, A. and Awusabo-Asare, K.

- "Social Setting, Birth Timing and Subsequent Fertility in the Ghanaian South". In S. Agyei-Mensah and J.B. Casterline (eds): *Reproduction and Social Context in Sub-Saharan Africa: A Collection of Micro-Demographic Studies* Greenwood Press, U.S.A

Agyei-Mensah, S.

- "Fertility Transition in West Africa". *The Journal of African Policy Studies*. (Forthcoming).

Attua, E. Morgan

- Seminal work on Carbon Sequestration of Fallow Vegetation

Conferences and Workshops Attended

Ardayflo-Schandorf, Elizabeth

- NAFGIM Framework Information Workshop. Organized by EPA at Amasaman, February 5-6, 2001.
- Workshop on Priorities for Rainforest Research in Ghana. Organised by Tropenbos Ghana Programme at the Wood Wood Technology School at Kumasi, July 11, 2001.

Addo, S.T.

- Attended the Chartered Institute of Transport (Ghana) Conference held on February 22-23, 2001, Accra on the theme: 'Transportation: The Driving Force for Accelerated Economic Growth' and presented a paper titled; "Transport – a Catalyst of Development; Excerpts from the Colonial Post-independence Scenarios".
- Attended the Institute of African Studies Workshop on 'Chieftaincy, Governance and Development' held between January 17-20, 2001 and presented a paper on: "Ghana: the Land and Peoples in Development."
- UNESCO Conference on values in Higher Education, Putaporthy, India, September 25-28, 2000
- Family Federation for World Peace and Unification (FFWPU) "Building a Culture of Peace" held on February 23, 2001, Accra.
- Impact of Climate Change on Drylands (ICCD) Workshop. Funded by Netherlands Research Programme on Global Air Pollution and Climate Change. Wageningen University, April 25 – 27, 2001.

Kufogbe S.K.

- Expert Group Meeting on Establishment of the Centre for South-South Cooperation of the Non-Aligned Movement (NAM-CSSTC), Jakarta, Indonesia, March 27-29, 2001.
- Expert Group Meetings on Establishing Electronic Linkages among Non-Aligned Member Countries through the Centre for South- South Cooperation of the Non-Aligned Movement (NAM-CSSTC), Jakarta, Indonesia, August 27-29, 2001.

Agyei Mensah S.

- "Fertility Transition in West Africa". Paper Presented at the Annual Meeting

of the Population Association of America March 29-31, 2001, Washington D.C, USA.

- "Twelve Years of HIV/AIDS in Ghana: Puzzles of Interpretation". Poster presented at the Annual Meeting of the Population Association of America, March 29-31, 2001, Washington D.C,USA
- "Twelve Years of HIV/AIDS in Ghana: Puzzles of Interpretation". Paper presented at the International Population Centre, San Diego State University, San Diego, USA, April 2, 2001

Visitors

Professor Gunnar Jacks, Associate Professor, Jan Erik Gustafsson and Mr. Thomas Alveteg, of the Royal Institute of Stockholm, visited the Department. Their goal was to explore possibilities for linkages between their Institute and our Department. They donated books and Research Reports to the Department.

Prof. Monique Betrand of the Universite de Caen was affiliated to the Department for two years effective from first January, 2000.

Visitors From the Department of Geography, NTNU. Two Lecturers from the Department of Geography, NTNU, Trondheim, Norway also visited the Department of Geography, University of Ghana in December 2000 and August 2001 respectively. They were Prof Asbjorn Aase and Prof. Ragnhild Lund. They were at the Department in connection with the Annual Meeting and the proposed second phase of the NUFU Collaboration Programme respectively.

Valco Trust donated a new Mitsubishi L300 minibus at the cost of ₵ 150,750,000.00 to the Department for Field Work.

APPENDIX A

UNITED NATIONS UNIVERSITY PROJECT ON PEOPLE, LAND MANAGEMENT AND ENVIRONMENTAL CHANGE (UNU/PLEC): PLEC RESEARCH IN WEST AFRICA

The Department of Geography and Resource Development, University of Ghana continued to serve as the administrative centre of the United Nations University (UNU) Project on People, Land Management and Environmental Change (UNU/ PLEC) in West Africa.

By national and international networking, PLEC brings together the guided work of six regional clusters of scientists, including the West African one (WAPLEC), for action-oriented policy-relevant research on small-farmer management of biodiversity in the tropics. The basic aim is to develop sustainable and participatory approaches to conservation, especially of biodiversity within small farmers' agricultural systems

for the purpose of enhancing global food security.

In 2000/2001 as in previous years, WAPLEC work focused on sites in the Republics of Ghana and Guinea. The work was both experimental and applied, with funding by Global Environmental Facility (GEF) through UNU and UNEP (United Nations Environment Programme). It was carried out according to participatory procedures by farmers in concert with scientists drawn from Université de Conakry in Guinea and University of Ghana, University of Science and Technology and University for Development Studies, all in Ghana. Overall co-ordinating leadership was by Professor Edwin. A. Gyasi of the University of Ghana.

Through this arrangement, gains continued to be made in narrowing the historic Anglophone-Francophone academic divide. The attempt at developing sustainable conservation methods advanced significantly in nine demonstration sites in various states of development.

Growing success of the PLEC effort was reflected by the outputs, notably the effective use of expert farmers to demonstrate and extend various resource conservation and development activities, including the following ones in Ghana:

- biodiverse agroforestry based on traditional practices;
- *Oprowka or proka*, a farming system that conserves biodiversity by avoidance of fire to clear vegetation, and by the use of chopped vegetation for mulching; exchange of germplasm and farming knowledge among farmers; management of plant nursery and arboretum;
- forest regeneration;
- management of conserved forest; and, generation of income or additional value from conservation through such activities as apiculture and snail farming in conserved forests.

PLEC achievements demonstrate the promise of an alliance of scientists, farmers and policy agents as a strategy of improving rural living conditions on basis of traditional knowledge tempered by the modern.

Other activities within the outside demonstration sites included:

- training of farmers in modern agricultural resources management at the University of Ghana Agricultural Research State at Okumaning;
- various farmer-support programmes such as provision of seedlings and other farm inputs, to encourage conservation; and,
- participation of WAPLEC scientists in meetings in Tanzania, Kenya and other countries.

Forward plans include:

- hosting by Ghana of the 6th WAPLEC Regional Workshop focused on the theme, 'Managing Agrodiversity for Food Security and Improved Rural Livelihood. (Policy Implications and Futures of UNU/PLEC Work in West

- Africa'; and,
introduction of a university level course in participatory approaches to resource management founded on PLEC principles and experience.

Securing of funding to sustain PLEC work within the institutional framework of the proposed *Centre for Applied Research on People, Land Management and Environmental Change (CARPLEC)* in the University of Ghana is the major challenge.

Visitors included PLEC farmers and scientists from outside Ghana and government and non-government officials.

APPENDIX B

ACTIVITIES OF THE TEACHING AND RESEARCH LABORATORY OF THE REMOTE SENSING APPLICATIONS UNIT (RSAU)

Overview

The Remote Sensing Applications Laboratory (RSAL) was established in the Department of Geography and Resource Development, University of Ghana, to develop the capacity to provide remote sensing and geographic information systems services and to undertake and assist research into land and water resources, appraisal and monitoring including rural and urban land use patterns and trends. It also supports the teaching programmes of the environment and resource based departments in the University.

Teaching

During the year under review, two courses in Remote Sensing and G.I.S. were taught in the department using facilities in the laboratory. The undergraduate course on introduction to remote sensing and geographic information systems (GEO 307) was taught in the first semester for students in geography as well as students from other departments. The graduate level course GEOG 604 – Remote Sensing and Geographic Information Systems was given 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 M.Phil students from Botany, Geology and Soil Service.

Funding

The teaching and research laboratory has continued to receive financial and technical maintenance support from DANIDA under the linkage arrangement between the University of Copenhagen (Institute of Geography) and the University of Ghana. In June 2000 and again in August 2001 the equipment in the laboratory was serviced and the software upgraded. Three image-processing computers were added to the stock of computers in the laboratory. In addition other equipment such as a scanner, multimedia projector, an overhead projector and a CD writer were purchased for the Lab. In addition a local firm was contracted to undertake routine maintenance of the computers and other equipment in the laboratory for an initial

period of one year starting from June 2000. This contract was renewed for another year in August 2001. Currently, the project is in its final phase and therefore it is on a much-reduced budget. The DANIDA ENRECA project continues to provide support for M.Phil. and Ph.D. students using the facilities of the laboratory for their theses projects on a much reduced budget since the project is in a winding-up phase.

Research

The major research activities carried out in the laboratory were theses research projects by graduate students sponsored by the ENRECA projects. During the year under review, the ENRECA project graduated one Ph.D. candidate in the person of Richard Y. Kofie. He successfully defended his Ph.D. Thesis in February 2001. The title of the thesis is: *A GIS Perspective for Local Level Planning and Decision-making: The Case of Spatial Data Integration, Health and Sanitation in the Ga District of Ghana.*

Two Ph.D. students also submitted their Ph.D. theses for examination in June/July 2001. They are:

Attua, E.M.

- *Ecological Studies of Fallow in Carbon Sequestration* (submitted in June 2001).

Osman Alhassan

- *Land Cover Change and Woodfuel Resources in the Densu Basin* (submitted in August, 2001).

On-going theses research projects

Kufogbe, S.K.:

- *Modelling Land Use and Environmental Change in the Afram Plains of Ghana* (Ph.D. Thesis in the final stages).

Allotey, Albert

- *An Evaluation of the Agricultural Resources Within Akwapim South District: A Remote Sensing and GIS Approach*; (M.Phil.), Department of Geography and Resource Development. (Mr. Allotey's thesis has been examined and he is currently doing the necessary corrections).

Oppong, P.

- *Urban Mobility and Accessibility: The Case of Accra, Ghana*, (M.Phil.). (The thesis has been examined and is currently undergoing the necessary corrections).

Pabi, O.

- *Sustainable Utilisation of Agro-ecological Resources in New Juaben Municipality*

(Ph.D. in the 2nd of 3-year project). Mr. Pabi has completed the field work and is at the write-up stage.

Staff research

Prof. Yankson, with the assistance of Albert Allotey, is engaged in Food Production research in Ghana sponsored by SADAOC Foundation. His research focuses on the use of GIS model aspects of degradation in selected study areas in Ghana.

Visits

Prof. Lasse Moller-Jensen and Jens Grundmann, from our counterpart Institution, the Institute of Geography, University of Copenhagen, visited the laboratory from August 17-26, 2001 to conduct preventive maintenance and to upgrade both software and hardware facilities of the laboratory. They also installed two more computers and other equipment that had been procured for the laboratory. In addition, the new Website for the laboratory, which had been prepared and tested in Copenhagen was installed. The NOAA receiving station, which was installed in June 2000, worked for only six months. Since December 2000, the facility has been down and all attempts are being made to restore it to its operational status as soon as possible.

APPENDIX C

THE FAMILY AND DEVELOPMENT PROGRAMME (FADEP)

The Family and Development Programme is a project of capacity building training, research, policy analysis and dissemination on the Family established with the support UNFPA. It is coordinated by Prof. Elizabeth Ardayfio-Schandorf. In the implementation of the programme, the focus has been on women, men and children in family relationships.

FADEP brings together University trained Social Scientists in Ghana from various institutions of higher learning. Research locations are selected according to geographical, cultural and ethnic diversity with special consideration to vulnerable groups and regions. FADEP collaborates with relevant government and non-governmental organizations with focus on population dynamics, women's roles, intra-household allocation of resources, economic access, reproductive rights and family law.

Books published by FADEP continue to be made available to the university community (lecturers, researchers and students), governmental institutions, development agents and consultants in and outside the university.

The Resource Centre, developed by the project, continues to enjoy wide patronage. It harbours academic journals, bulletins and books on women, family and development issues. For the 2000/2001 academic year over 150 researchers,

lecturers, students and development agents consulted and made use of the resources of the Centre.

Other Activities

- Research is being undertaken currently on residential mobility and household size in the Greater-Accra Region.
- There is on-going research in family and households.

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 POLICY Project of Washington D.C., through the United States Agency for International Development (USAID) 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, and pressmen in the form of RAPID presentations using audio-visual equipment and a computer.

Seminars and workshops

In conformity with its objectives, PIP organised a number of population-related seminars and workshops. The key seminars organised were:

- (a) Presentations on Adolescent Reproductive Health and HIV/AIDS: These presentations were held at the Assembly Halls of the St. Mary's Secondary School and Accra High School on May 30, 2001 and June 13, 2001 respectively. Both presentations were held in collaboration with the Mammo Club of Ghana and were attended by the teachers and their students.
- (b) Presentation on Population, Development and HIV/AIDS: This presentation was held on August 29 to September 1, 2000 at the Mawuli Secondary School, Ho. A total of 60 members of the Ghana Association of Geography Teachers attended the presentation.
- (c) Presentation on Population, Adolescent Reproductive Health and HIV/AIDS: This presentation was held on September 12, 2001 at the Auditorium

of the Sakaman Assembly of the Church of Pentecost in Accra. A total of 50 members of the Women's Fellowship of the Church attended the presentation.

- (d) Publication: PIP was contracted by the Maternal, Child Health/Family Planning Unit of the Ministry of Health to carry out a study on "Adolescent Sexuality and Reproductive Health in Ghana: A Stakeholder Analysis" The study was published in August, 2001.

Exention

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 and the Population and Family Life Education Project of the Ministry of Education. PIP is currently coordinating the University of Ghana component of the Pop/FLE Project activities for Tertiary Institutions in Ghana in collaboration with other Department and Institutes in the University.

In addition to this, PIP is also 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 the UNFPA. PIP participated actively in a POLICY Project co-ordinated to develop a National HIV/AIDS Draft Policy for Ghana. PIP has also been involved in a study on "Socio-Economic Impact of HIV/AIDS" for the National HIV/AIDS Programme as well as serving on the board of the National Framework for Geospatial Information Management

Finally, PIP is collaborating with the Centre for Development Research (ZEF), University of Bonn, Germany, and other institutions in Ghana to carry out the Global Change in the Hydrological Cycle (GLOWA) Project. The objectives of the project are to analyse the physical and socio-economic determinants of hydrologic cycles, and thereby develop a scientifically sound decision support system for the assessment, sustainable use and development of water resources in the Volta Basin of Ghana.

Visitors

Ms. Noreen Jewell of the POLICY Project paid a working visit to PIP in November 2000 as part of her working visit to Ghana.

A delegation consisting of Senior Government officials, National and Regional Programme Co-ordinators from Ethiopia, visited PIP in August as part of a visit to Ghana to share her experiences in the formulation, implementation, monitoring and evaluation of Population Policy programmes.

APPENDIX E.

NUFU LINK ARRANGEMENTS

TRONDHEIM-UNIVERSITY OF GHANA COLLABORATIVE PROGRAMME IN GEOGRAPHY

Introduction

The programme is a co-operation between the Geography Departments of the University of Ghana, University of Cape Coast, and the Norwegian University of Science and Technology (NTNU) Trondheim with funding from the Norwegian Council of Universities Committee for Development Research and Education. The main purpose of the cooperation is to enhance the quality and attractiveness of the graduate programmes of the Geography Departments in the three institutions through cooperation in the training of M.Phil and Ph.D students. The programme also has a research component, which serves as a framework for thesis work and joint research by staff members and students. The focus of the collaborative research is Population, Environment and Human Development. It has been a mutually beneficial collaboration for all the three Geography Departments in Ghana and Trondheim. During the period under review, a number of projects have been accomplished. These can be grouped into two main areas: i, Institutional Strengthening and Capacity Building, and ii, Staff and Student Exchange and Research Cooperation.

Institutional strengthening and capacity building

Under Institutional Strengthening and Capacity Building, the following projects and programmes deserve special mention.

Graduate computer room

Through the collaboration programme, a Graduate Computer Room with computer services was established at the Department of Geography and Resource Development in 1998. Since the establishment of the Computer Room, the programme continues to assist and fund expenses relating to maintenance and repair of essential items. Under the period under review, the programme supported the first maintenance works of the computers as well as the installation of anti virus programmes.

Bulletin of the Ghana Geographical Association

Through the collaboration programme, funds have been made available for the revitalization of the *Bulletin of the Ghana Geographical Association*. The first issue under the collaboration was Vol. 20 published in July 1997. The No. 21 issue of the Bulletin, devoted to the theme of the Collaboration Programme, Population, Environment and Human Development, was published in July 1999. There are plans to have the next issue (Vol. 22) published with contributions from sister countries in the sub-region.

Staff and student exchange and research

Under Staff and Student Exchange and Research the following visits were made.

Dr. Sam Agyei-Mensah from the Department of Geography and Resource Development, University of Ghana and Dr. A.M. Abane of the Department of Geography and Tourism, University of Cape Coast visited Trondheim for teaching and research purposes.

Mrs. Charlotte Mensah, a Phd student of the Department of Geography and Resource Development, Legon is on a three month visit to Trondheim in connection with her doctoral work on: *Accessibility and Utilization of Primary Health Care Facilities in the Greater Accra Region of Ghana.*

The Collaboration continues to serve as a basis for joint research by staff members. In this connection, Dr. Abane of the Geography Department and Tourism, University of Cape Coast, is involved in research with Mr. Stig Jorgensen of the Department of Geography, NTNU. Dr. Agyei-Mensah of the Department of Geography, University of Ghana, is also involved in joint publications with Prof A. Aase, NTNU on Demographic Issues in Ghana.

APPENDIX F

REPORT ON THE ECOLOGICAL LABORATORY (2000/2001)

The ECOLAB is headed by Prof. S.K.A. Danso as Director and Mr. T.W. Awadzi as Deputy Director. The ECOLAB was set up as an ENRECA (DANIDA) project in 1993, in response to an urgent need for a well-equipped science laboratory to be used primarily by graduate students of the University of Ghana to carry out their theses research projects. It was also intended to be an inter-disciplinary facility for the Faculties of Science, Agriculture and Social Studies. Both objectives have been satisfactorily achieved, and ECOLAB as it is today is among the best-equipped science research laboratories in Ghana. Besides, the graduate students using the laboratory have extended beyond those from the three above-mentioned faculties in the University of Ghana to include graduate students from several Departments in Cape Coast University. Furthermore, the usage of ECOLAB has had to be extended to include scientists and researchers from the Ghana Atomic Energy Commission, the Food Research Institute, Accra, the Agricultural Research Institutes of the University of Ghana at Kpong and Kade, in addition to its serving the research needs of several lecturers and staff of many Departments of the University of Ghana, who for lack of particular equipment in their outfits, have had to fall on the ECOLAB facilities for their research. The number of graduate students who used facilities in ECOLAB for their research were 65, made up of 15 Ph.D. and 50 M.Phil. students. International students who used ECOLAB during the 1999/2000 academic year included two graduate students from the University of Lund, Ms. Cecilia Nilsson and Ms. Elizabeth Davidson, and one, Ms. R. Johansson from the University of

Copenhagen. Mr. Oumar N'diaye, a scientist of the Oil Palm Research Institute in Cote d'Ivoire received a four-months IAEA-funded fellowship training in ECOLAB, under the supervision of the Director.

ECOLAB is preparing to establish a Pesticides Research Laboratory that will analyse for pesticide residues in foods and the environment, as well as carry out quality control of pesticides on the market in Ghana. Preparations for this are quite advanced, and negotiations with EPA are in progress. It is hoped that once established, monies generated from analyses of samples submitted by EPA and other Ministries, such as the Ministry of Food and Agriculture will help to financially sustain ECOLAB even when DANIDA's funding period expires.

The first issue of the ECOLAB-funded journal, the West African Journal of Applied Ecology has been published, and consisted of 9 articles and a total of 91 pages. Work is progressing on the second volume or issue of the journal.

During the 1999/2000 academic year, several scientists from the U.S.A. and Denmark visited ECOLAB, most of them in furtherance of joint research activities. They included Drs. B. Hudson and H. Mount of the U.S. Department of Agriculture in Beltsville, Dr. M. Greve of Landbrugets Forsøgscenter Foulum in Denmark, Profs. J. Anderson and H. Breuning-Madsen, and Drs. L. Krogh and B. Elberting from the University of Copenhagen and Dr. H.B. Madsen from Konservatorikolen in Copenhagen. Significant among these scientific visits was the 9-months sabbatical leave that Prof. Henrik Breuning-Madsen, the Principal Danish Co-ordinator spent with ECOLAB. Also, a team consisting of two lecturers and nine students from the University of Copenhagen visited Ghana as hosts of ECOLAB, and among the activities undertaken, conducted research on the soils of Anlo and the hydrology of the Keta Lagoon.

Major research projects undertaken by ECOLAB staff and collaborators centred broadly on (i) Nutrient Cycling and Pollution of Ecosystems and (ii) Biofertilizers and Carbon Sequestration in Soils.

Publications

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

- (2001) "Competition for Nodule Occupancy on Cowpea by Effective and Ineffective Bradyrhizobium Strains. *Tropical Soils* 40: 62-67.
- (2001) "Assessment of the Potential to Improve N fixation by Cowpea (*Vigna unguiculata* (L.) Walp.) in Ghanaian Soils". *Amer. J. Alternative Agriculture* 16:57-65.

Owusu-Bennoah, E. , T.W. Awadzi et al.

- (2000) "Soil Properties of a Toposequence in the Moist Semi-deciduous

Forest Zone of Ghana. *West African Appl. Ecol.* 1: 1-10.

Christensen, E. and Awadzi, T.W.

- (2000) "Water Balance in the Moist Deciduous Forest Zone of Ghana". *West African Appl. Ecol.* 1: 11-21.

Awadzi, T.W. and Aslamah, R.A.

- "Soil Survey in Ghana". *Soil Horizone USDA* (In Print).

T.W. Awadzi, et al.

- (2001) "A Scientific Evaluation of the Agricultural Experiments at Fredericksgave: The Royal Danish Plantation on the Gold Coast, Ghana." *Danish, Geography* (In Press).

Knudsen, J.M., Maadsen, M.B. Kakane, V. and Awadzi, T.

- Stubbe Faurschou Hviid & Henrik Breuning-Madsen (2000). "Comparison of Magnetic Particles in Airborne Dust on Mars and in the Harmattan Dust from South of Sahara". *Danish Geographical Journal* 100: 1-6.

APPENDIX G

THE INTERNATIONAL BOARD FOR SOIL RESEARCH AND MANAGEMENT (IBSRAM)/DEPARTMENT OF GEOGRAPHY AND RESOURCE DEVELOPMENT, COLLABORATIVE RESEARCH PROJECT

IBSRAM is an international non-profit making organization with headquarters in Bangkok, Thailand and regional office for Africa in Kumasi (KNUST Campus). It now operates as the International Water Management Institute (IWMI) due to its affiliation with the latter. It promotes collaborative research for sustainable land management (SLM). Its programme addresses the needs of poor farmers on marginal lands where displacement of soil (erosion and sedimentation), crop nutrients (mining accumulation, and pollution), or water is leading to social or economic problems. Due to its new affiliation the project now works with the International Water Management Institute.

IWMI continues to work on its project entitled "Improving the 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 options 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. The project is currently providing grants for 2 M.Phil students working on Urban farming and generation of liquid waste..

IWMI has provided a grant of US \$5,700 for students' research work and for the purchase of one computer.

DEPARTMENT OF HISTORY

Staff

The Department of History is supposed to have a Staff of 14. However, there are only Six(6) permanent Staff. Three (3) retirees are on Part -Time . The Staffing position is as follows:

Senior Members

Prof. J.K. Fynn	Part-Time
Prof. S.K. Addae	Part-Time
Prof. R. Addo-Fening	Part-Time
Dr. (Mrs) Akosua Perbi	Senior Lecturer (Sabbatical Leave)
Dr. N.J.K. Brukum	Senior Lecturer (Ag. Head of Department)
Dr. D. E.K. Baku	Lecturer
Mr. Ekow S.A. Korsah	Lecturer
Mr. Kwaku Nti	Lecturer
Mr. Sylvester Gundona	Lecturer

Senior Staff

Mr. S.N. Adumuah	Chief Administrative Assistant
Mr. Samuel K. Agbeve	Administrative Assistant

Junior Staff

Miss Mary Acquah	Clerk Grade I
Mr. Lawrence Acheampong	Senior Head man
Mr. Eric Attuahene	Messenger/Cleaner

Student numbers

Level 100	730
Level 200	614
Level 300	91
Level 400	41
Level 600	3
Ph.D.	3
Total	1,482

The Department is also offering a compulsory course for over 300 level 200 Biological students in the First Semester.

Courses

First Semester

Level 100

HIST. 101 Earliest Civilisations

Level 200

HIST. 201 Historiography

HIST. 203 Africa and the Wider World in the 19th Century

HIST. 205 A History of Western Medicine in Ghana

Level 300

HIST. 301 History of Ghana up to 1800

HIST. 303 History of Africa up to 1500

HIST. 304 Aspects of Early Modern European History

HIST. 305 The Black Diaspora

HIST. 307 Economic History of West Africa, 1790-1890

Level 400

HIST. 401 Aspects of Intellectual History

HIST. 407 Colonial Rule and African Response; Partition and Pacification

HIST. 413 History of Modern Russia and USA, 1700-1860

HIST. 417 Aspects of World History, 1914-1945

HIST. 491 Fante States in the 17th Century

Second Semester

Level 100

HIST. 102 Selected Topics in World History

Level 200

HIST. 202. Historical Methodology

HIST. 204. Africa in the International Setting in the 20th Century

Level 300

HIST. 302. Ghana in the 19th and 20th Centuries

HIST. 308. History of Africa, 1500-1800

HIST. 309. History of Europe, 1789-1914

HIST. 312. Economic History of West Africa, 1890-1960

HIST. 314. The History of Western Medicine in Ghana

Level. 400

HIST. 402. Modern Trends in Intellectual History

HIST. 408. Colonial Rule and African Response; Nationalism and Independence

HIST. 418. Aspects of World History Since 1945

HIST. 492. Fante States in the 18th Century

Research

The Department of History and the Institute of African Studies, Legon in co-operation with the University of Trondheim, Norway continued with their Research Project on 'The Asafo Companies in Ghana'.

Individual Research

Fynn, J.K

- Continued research on the Fantes.

Addo-Fening, K.

- Continued research on Akyem Abuakwa.

Perbi, Akosua

- Domestic slavery and the slave trade as a whole.

Brukum, J.K.

- Social and Economic Change in Northern Ghana Under British Colonial Rule.

Baku, D.E.K.

- Asafo among the Northern Ewes.
- The Press and Society in Colonial Ghana.

Nti, K.

- Assault on chieftaincy institution by the modern state structure.

Gundona, Sylvester

- Colonial Health Policies in Northern Ghana.

Publications

Brukum, N.J.K.

- "Traditional Constitutions and Succession Disputes in Northern Ghana". (forthcoming)
- "Ethnic Conflicts in Northern Ghana 1980-1999: An appraisal" (forthcoming). in *THSG* Vol. 4.

Nti, K.

- "Chieftaincy, Governance and Development Project". One month's fieldwork in the Central Region, July 2000.
- Article. (Work-in-progress) "The ding-dong Relations Between the People of Cape Coast and the Colonial Government"

Conferences/Seminars/workshops

Brukum, N.J.K.

- 'National Conference on Chieftaincy, Governance and Development, 17th-January 17-20, 2001, School of Administration. Presented a paper on: 'Traditional Constitutions and Succession Disputes in Northern Ghana'
- 'The pre-Colonial Civilization and the Slave Trade: African Perspective' a lecture delivered to 14 students and a Professor from the U.S.A., on May 29, 2001.
- 'The Asante Empire and its Neighbours' a lecture delivered to 14 students and a Professor from the U.S.A., May 30, 2001.
- 'The Slave Trade: An African Perspective', lecture given to participants of James Madison University Summer Programme, June 11, 2001.
- 'Overview of Ghana's History and Politics', a lecture given to participants of Summer Abroad Programme for Ohio State University, June 21, 2001.
- 'Introduction to Traditional and Contemporary Government", a lecture given to students from Frederick Douglas Institute, University of Pennsylvania, July 17, 2001.
- "The Trans-Atlantic Slave Trade and its Impact" a lecture given to visiting scholars from Frederick Douglas Institute, University of Pennsylvania July 19, 2001
- "West Africa Before Colonization" a lecture given to U.S. Savana Group Tour, August 2, 2001.

Baku, D.E.K.

- Participated in the Chieftaincy, Governance and Development Project of the Institute of African Studies and attended Consultative meetings at the National House of Chiefs in Kumasi and the Volta Regional House of Chiefs in Ho. In addition, as part of the project, conducted research on Chieftaincy in the Gbi, Santrokofi, Kpando and Peki traditional areas of the Volta Region.
- 'An Historical Survey of Legislation Affecting the Powers and Authority of Chiefs, 1844-1927', a paper presented to the National Conference on Chieftaincy organised by the Chieftaincy, Governance and Development Project, Institute to African Studies, at the University of Ghana, Legon from January 17-20, 2001. Paper to be published in the proceedings of the conference which is under preparation. Prepared a paper entitled: 'The 2000 Elections and Politics in Manhyia and Obuasi Constituencies'; to be published in J.R.A. Ayee, (ed.); *The 2000 Elections and Presidential Run-Off*, (Forthcoming). Based on the research conducted in connection with the 2000 Elections.
- Chieftaincy, Governance and Development Project. Taught course on 'Constitutional and Legislative Provisions on Chieftaincy' to the Trainers of Trainers Course organised by the Institute of African Studies for the Regional Houses of Chiefs in May 2001.

Nti, Kwaku

- National conference on Chieftaincy, Governance and Development, January 17-20, 2001, School of Administration. Univ. of Ghana, Legon. Role: Rapporteur.

DEPARTMENT OF INFORMATION STUDIES

Overview

The name of the department was changed from the Department of Library and Archival Studies to the Department of Information Studies. This change became necessary because the department for more than five years had pursued programmes towards providing basic knowledge to students that would enable them to follow careers in information management and its applications (not in Librarianship or Archives alone as the case used to be). Our goals as a department have changed with emphasis on training students to compete in the new information society. The society requires the services of information workers of many kinds: Records Managers, Technology Librarians, Corporate Planners, Information Scientists, On-line Information searchers, Information Systems Manager etc.

A second computer laboratory to initially accommodate ten PCs is being set up for practical work. The department has full internet connection.

The BA degree programme in information studies is in progress with the first batch reaching level 300.

Teaching Programmes

The range of courses we offer for Diploma, BA level 100 and 200, MA & M Phil programmes remain unchanged. Courses for BA level 300 are as follows:

Courses**BA Level 300 1st Semester**

INFS 301 INFORMATION SOURCES
INFS 303 RESEARCH METHODS
INFS 305 PRACTICAL ATTACHMENT
INFS 307 Information Services and user Studies
INFS 309 Database management
INFS 311 Records Management

2nd Semester

INFS 302 Theory and practice of Classification
NFS 304 Indexing and Abstracting
INFS 308 Systems Analysis and Design

INFS 310 Introduction to Archives Administration
 INFS 312 Publishing and the Book trade

Student Numbers

The student numbers have increased from 344 in the previous year to 782, an increase of 438 in one year. A breakdown of enrolment for the courses is as follows:

PhD	Library/Archival Studies	2
M.Phil	Library Studies	7
MA	Library Studies	15
MA	Archival Studies	9
BA	Information Studies	
Level	100	206
Level	200	271
Level	300	80
Diploma	Librarianship	
"	Part I	59
"	Part II	55
Diploma	Archives Administration	
"	Part I	41
"	Part II	37
Total		782

Staffing Position

There are nine(9) full time lecturers, five (5) part-time lecturers, four (4) Teaching Assistants and two (2) National Service persons.

Senior Members

Dr. E.E. Badu	Head of Department & Senior Lecturer
Prof. A.A. Alemna	Professor
Prof. C. Kisiedu	Associate Professor
Mrs. Mary Boye	Senior Lecturer
Mr. Harry Akussah	Senior Lecturer
Dr. Pino Akotia	Senior Lecturer
Mrs. Gifty Adika	Lecturer
Mr. S.N.B. Tackie	Lecturer
Dr. E. Adjei	Lecturer

Part-Time Lecturers

Mr. S.K. Agyei
 Mr. G. Asiagodo
 Ms. Gifty Boakye
 Mr. Joel Sam
 Mr. V.K. Fosu

Mr. A. Musah

Senior Staff

There are two (2) Senior and three (3) Junior Staff. Gifty Brown and Comfort Agbezudor both, senior staff, are on study leave with pay.

Seminars/Workshops held at the Department

In the course of the year the department organised only one workshop, namely: Audio-visual Management Workshop; July 2001 at the Department of Information Studies. Seminar papers were also presented by all the MA students.

Publications

Alemna, A.A.

- "Bookselling and the Library : A Partnership for Enhancing the Booktrade in Ghana". *African Research & Documentation*, 82,2000 pp31- 37.
- "An Investigation into the information Needs and Information Seeking Behaviour of Members of the Legislature in Ghana". *Library Management*, (5)2000, pp. 235 – 240.
- "African Journals: An Evaluation in their Use in African Universities. *African Journals of library & Archival and Information Science*, 10(2), 2000, pp. 93-1111.

Badu, E.E.

- "The Implication of Current Funding and Financing Issues on the Strategic Planning Process of University Libraries in Ghana. *The New Review of Information & Library Research*, 6, 2000, pp. 151-171
- "Is Strategic Alliance a Panacea for Low Service Development in University Libraries in Ghana?" *Education Libraries Journal*, 44(1) Spring 2001, pp. 22-29.
- "The African Corporate Culture: An Obstacle to Effective Strategic Planning in Ghanaian University Libraries". *Library Management* 22(45) pp. 212-221.

Research and Extension

Adkia, Gifty

- Information seeking behavior of Agriculturists in Ghana.
- February 2001 – Evaluated activities of Ghana Book Trust, Accra and School Libraries set-up by the Ghana Book Trust.
- September 2001: Participated in National I.T Policy conference and the WALA and SCAULWA Conferences.
- Maintenance of Departmental Website.

Akussah, Harry

- Delivered a paper titled: "Preservation of Audiovisuals" at a workshop on Audiovisuals Management held in July 2001 at the Department of Information Studies.
- Presented a paper titled: "Disaster Preparedness in the Management of Audiovisuals" at an Audiovisual Management Workshop held in July 2001 at the Department of Information Studies, University of Ghana, Legon.

Alemna, A.A.

- Attended a Workshop on 'Revitalization of Public Libraries in Africa', Windhoek, Namibia, April 10-16, 2000
- Attended Conference on Cooperation Between African Libraries and France, Nairobi, Kenya, April 25-30, 2000.

Badu, E.E.

- Delivered a paper on: "Information Retrieval and Internet Based Systems" at a full-day Seminar on 'Documentation and Management Information Systems' at the National Development Planning Commission, Flag Staff House, Accra, May 8, 2001.

DEPARTMENT OF NURSING

Overview

The Department continued to be plagued with acute shortage of academic staff. The increasing number of students does not commensurate with the number of lecturers. There are four full-time lecturers out of which one is on study leave. There are two part-timers and one contract officer. Nevertheless, the department has started an M.Phil. programme in addition to the Bachelor of Arts and Science programmes. The Diploma in Nursing programme has been suspended.

The Academic link with the University of Alberta, Canada for running the M.Phil programme continued. All resources in the form of equipment, library books, and course outlines were made available. Five faculty members from the University of Alberta collaborated with lectures in the Department in teaching various courses in both the first and second semesters. The first batch of six M.Phil students completed their course work successfully. All the six students were awarded a scholarship by the College of Health Sciences. Each student received an amount of five million cedis towards research work. They also visited University of Alberta, Canada for six weeks during the long vacation. The rationale for the trip was to give them foreign exposure as well as provide them an opportunity to work on their thesis proposals, particularly in the area of literature review. The trip was funded from the project with some support from the Human Resource Development Division, Ministry of Health, Ghana.

Five Senior Nurse Technicians have been appointed to the staff. These appointments have gone a long way to ease the perennial problem of large student-technician ratio in the clinical set-up.

The Department continues to be under the administrative supervision of the Faculty of Social Studies and academic linkage with the Faculty of Science for sometime. However, the Department is preparing to become an autonomous School in the College of Health Sciences. The Department continues to be on the circulation list of the College of Health Sciences.

Student Numbers

In the year under review, a total number of two hundred and forty-four (244) students enrolled in Nursing as against one hundred and ninety-two (192) for the previous year.

The breakdown is as follows:

Level 200	105
Level 300	75
Level 400	52
M.Phil Students	6 (First Year)
M.Phil Students	6 (Second Year)

One Level 300 male student was involved in the May 9 stadium tragedy. May his soul rest in peace.

Staffing

Senior Members

Miss Mary Opare	Lecturer (Ag. Head of Department)
Miss Bernice Goka	Lecturer
Mrs. Faustina Oware-Gyekye	Lecturer
Miss Ernestina Donkor	Lecturer (Study Leave)
Miss Joanna Laryea	Senior Lecturer (Contract)
Mrs. Felicia Darkwa	Part time but carrying full load
Prof. Ayodele Akiwumi	Part-time

Senior Staff

Mrs. Dorothy Donkoh	Principal Nurse Technician
Miss Gladys Adeyemoh	Principal Nurse Technician
Miss Patricia Avadu	Principal Nurse Technician
Miss Lydia Aziato	Senior Nurse Technician (Temporary)
Mrs. Efua Baiden	Senior Nurse Technician (Temporary)
Miss Vivian Darkwah	Senior Nurse Technician (Temporary)
Miss Adzo Tsahey	Senior Nurse Technician (Temporary)
Mrs. Susan Tettey	Senior Nurse Technician (Temporary)

Miss Alice Otu
Miss Regina Ankraah
Mr. Ashalley Mensah
Mr. Emmanuel Ashia

Snr. Library Assistant
Administrative Assistant
Asst. Transport Officer
Asst. Transport Officer

Junior Staff

Ruth Wiredu
Alhassan Imoru
Mildred Eyiah
Rosemond Serwah
Bismark Ashitey Amaah
Frank Kwaffo
Mohammed Aliu
Yaro Grunshie
Maxwell Bansah
Emmanuel Folly

Clerk Gd. II
Senior Typist
Clerk Gd. II (Temporary Staff)
Jnr. Library Asst.Gd. III (Temp. Staff)
Driver Gd. I
Driver Gd.II
Driver Gd. II
Snr.Gardner.
Messenger/Cleaner
Cleaner (Temporary Staff)

Research Activities

Opare, Mary

- Opare,M & Mill J.E. (2001) Ghanaian Nursing Students' Knowledge and Attitudes about HIV Illness (In Progress)
- Causes of Shortage of Nurses in Ghana (In Progress)
- Nursing in Ghana: Setting The Record Straight. Historical Research (In Progress)
- Precepting Foreign Students: Expectation of Preceptors and Preceptees (In Progress).

Publications

Opare, Mary

- "Setting the Context for Preceptorship in Ghana" (in Press). *Journal of West African College of Nursing*.

Oware-Gyekye, Faustina

- "Development of Leadership in Nursing and Midwifery". (November 2000). *West African College of Nursing Journal*, Vol. 11:2
- "Choosing a Contraception", (March 2001). *Safer Birth Journal of Nana Yaa Foundation Quality Maternal Health Services* Vol. 3 :1
- Guidelines on Career Opportunities in Nursing and Midwifery. 2001 (with others).
- "Manual for training of Health Workers in Adolescent Health", (2001) (with others).

Donkor, Ernestina

- "Factors Which Influence Maternal Stress During Labour and Delivery" *West African Journal of Nursing*, Nov. 11(2): 7-14

Seminars/Conferences/Workshop Attended**Opare, Mary****Presentations**

- Seminar on Professional Practice for Newly Qualified Doctors. Presented a Paper: "The Nurse Doctor Game".
- Health Administration and Management Course for Senior Health and Public Administration. Presented a paper entitled: "The Nurse Manager as a Change Agent".
- Workshop for Nurses at Midwifery Training School, September 27-29, 2001, Korle-Bu Presented a paper entitled: "Higher Education In Nursing"
- Attendance - Workshop on 'Qualitative Research' at the Department of Nursing by Professor M. Allen
- Workshop on 'Supervision of Thesis' by Professor Phyllis Gioveneti
- Workshop: 'The Role of the Head of Department in University Administration' – February 2001.

Oware-Gyekye, Faustina**Participant**

- Workshop on Teaching Methodology, August 28-30, 2001 at Medical School Auditorium.
- Facilitator - Workshop on 'Adolescent Health for Southern Sector'. Accra, May 2-7, 2001.
- Seminar on 'Health Care Delivery, Quality Health Care' at Midwifery Training School, September 27-29, 2001.
- Presentations: "The Youth and HIV/AIDS in Ghana" – Black American Nurses Association Conference in Accra, March 2001.
- "Changes in Nursing Education", in Ghana Nurse-Educators Conference, August 23, 2001.
- Attendance - Workshop on 'Qualitative Research' at the Department of Nursing by Professor M. Allen
- Workshop on 'Supervision of Thesis' by Professor Phyllis Giovenetti

Donkor, Ernestina**Participant**

- Seminar on 'Effective Administration of Departments and Units'. Organized by Medical Education Unit of College Science Building, Korle-Bu on Tuesday, March 20, 2001.

Laryea, Joanna

- Attendance - Workshop on 'Qualitative Research' at the Department of Nursing by Professor M. Allen.
- Workshop on 'Supervision of Thesis' by Professor Phyllis Giovennetti.

Donations

Twenty boxes of books were donated by the Faculty of Nursing University of Alberta, Canada and seven boxes of books were received from Jenny Greenwood, an Australian nurse, on May 11, 2001. The Dean, Faculty of Social Studies, received them on behalf of the Department and the University. Another package of 26 research text books was donated by one of the authors, Prof. Pamela Brink, who was very instrumental in initiating the M.Phil Programme.

Visitors

Members of the management team for the M'Phil programme, Professors Linda Ogilvie, Marion Allen and Linda Slater (Librarian, University of Alberta), were in Ghana from April 29 to May 10, 2001. The visiting Librarian assessed existing library facilities on the University campus, College of Health Sciences and the Health Research Unit, Ministry of Health. Also Professor Phyllis Giovennetti, Dean of Graduate Studies, University of Alberta was with the visiting team. Five students from University of Alberta, Canada were in Ghana for a 6-week field experience in international health.

DEPARTMENT OF POLITICAL SCIENCE

Overview

The Department, in the year under review, continued to be plagued by its perennial problems of an ever-increasing student intake, woefully inadequate infrastructure and logistics and an overworked staff (both academic and administrative). The student population increased from 1779 in the previous academic year to 2401. The Department is still housed in the temporary structures erected in the 1960s for about fifty (50) students. The situation in the limited office space and library remains chaotic. The Department's cherished ambition of moving into a permanent and more spacious building has still not been fulfilled. For a Department with a requisite academic staff quota of more than 24, the staff strength was only about 50 percent of the required numbers with senior members doing twice as much work. The administrative staff has also been without a permanent and trained library officer. Hence, one of the office assistants doubled as the librarian. While the Department still remains one of the most productive in terms of research and publication, it is becoming increasingly clear that diminishing returns will set in if a more appropriate and congenial environment is not provided soon.

Courses

The Department offered 37 undergraduate and 21 graduate courses. The breakdown is as follows:

Undergraduate Courses

Semester 1

- POLI 101 – Introduction to the Study of Political Science (I)
- POLI 201 – Elements of Political Science
- POLI 203 – Political Institutions
- POLI 301 – Ancient and Medieval Political Thought
- POLI 303 – Introduction to the Theory and Practice of Political Research
- POLI 305 – Government and Politics in Ghana since Independence (I)
- POLI 307 – Introduction to Public Administration
- POLI 313 – Nature, Growth and Role of International Organizations
- POLI 315 – Organization Theory
- POLI 323 – Conflicts in African States
- POLI 400 – Independent Study
- POLI 401 – The Contractualists
- POLI 403 – Statistics for Political Research
- POLI 405 – Politics of International Economic Relations
- POLI 407 – Government and Politics in Ghana since Independence (II)
- POLI 409 – Comparative Public Administration
- POLI 411 – Politics and Development
- POLI 421 – Foreign Policy Analysis
- POLI 429 – Public Policy Analysis
- POLI 431 – Refugees and International Relations

Semester 2

- POLI 102 – Introduction to the Study of Political Science (II)
- POLI 202 – Introduction to International Politics
- POLI 204 – Introduction to the Study of Ghanaian Politics
- POLI 302 – Modern Western Political Thought
- POLI 304 – Public Administration in Ghana
- POLI 306 – Africa and the Global System
- POLI 308 – Methods of Political Research
- POLI 312 – Development Administration in Ghana
- POLI 318 – The Military in Ghanaian Politics
- POLI 400 – Independent Study
- POLI 402 – Social and Political Theory
- POLI 404 – State and Society in Africa
- POLI 406 – Regionalism and Ethnicity in Ghanaian Politics
- POLI 408 – Ghana's Foreign Policy
- POLI 412 – Local Government Administration in Ghana
- POLI 418 – US Policy Towards Africa

POLI 432 – Human Rights in Africa

Graduate Courses

Semester 1

- POLI 617 – General Methodology/Philosophy of the Social Sciences
- POLI 603 – Patterns of Development Administration
- POLI 605 - Development Planning in Ghana
- POLI 623 – The Making of Foreign Policy
- POLI 625 – Issues in International Politics
- POLI 631 Conflict Resolution and Peace Studies
- POLI 633 – Conflicts in African States
- POLI 635 – Issues in Comparative Politics and Development
- POLI 637 – Theories of Political Development and Underdevelopment
- POLI 641 – Problems of Government and Politics in Africa

Semester 2

- POLI 602 – Survey Methods in Social Sciences
- POLI 604 – Public Policy Analysis
- POLI 624 – Issues of Public Administration
- POLI 626 – Theory and International Politics
- POLI 631 International Organization
- POLI 634 – The Foreign Policy of Ghana
- POLI 642 – Strategies of Development in Africa
- POLI 644 – The Politics of Regional Integration
- POLI 648 – The Military in Politics
- POLI 654 – Democracy and Governance in Africa
- POLI 656 - Human Rights in Africa

Student Numbers

The student numbers have increased from 1779 in the previous year to 2401. This constituted the biggest student population in any one Department in the University. The increase in student population size, however, did not have a corresponding level of increase in financial resources allocated to the Department. This mal-alignment has generated deep distortions and student numbers will have to be cut drastically if the promised infrastructure and other facilities are not forthcoming.

Undergraduate

Level 100	643
Level 200	782
Level 300	517
Level 400	398
Internat. Prog. Stud.	34
Total	2374

Graduate

M.Phil 1	6
M.Phil 2	14
Ph.D	7
Total	27

Staff

The staff strength stood at fifteen in the first semester, and thirteen in the second semester. Mr. Kumi Ansah-Koi who had been on a two-year sabbatical leave returned in the first semester. Prof. J.R.A. Ayee began his sabbatical leave in the second semester, while Prof. K. Boafo-Arthur went on a five-month study leave to take up a fellowship at the Institute of African Studies in Leiden, The Netherlands. He has since returned.

Dr. Dan Smith, Assistant Professor of Political Science, Department of Political Science, University of Denver, Colorado, joined the Department as a Senior Fulbright Scholar for one academic year. Professor S.K.B. Asante continued to be engaged to teach on part-time basis.

Service to the Community

As service to the university community, the Department, under the auspices of the Public Affairs Section of the US Embassy, held three special public fora at the auditorium of the Department of Nursing to discuss:

- (I) Issues and dilemmas in Ghana's Elections 2000;
- (II) The aftermath of Elections 2000 in Ghana; and
- (III) The US Elections and lessons for democracy

Lecturers and students from a number of departments attended.

Furthermore, in collaboration with Moral Re-armament (MRA) Ghana, an international forum on morality in politics was held at the auditorium of the Department of Nursing on November 14, 2000. The moral dimension of the 2000 Election was tackled and expounded in depth.

Research

The major Departmental research activity was "Ghana's Election 2000 Project", sponsored by DANIDA. It involved pre- and post-election surveys conducted in 40 constituencies spread throughout the ten regions of Ghana. A two-day conference at which the survey findings and other thematic papers on the elections were presented took place in August 2001. These will soon come out in a publication.

Individual staff research activities covered 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, and state capacity.

Benefactors

The Department expresses its gratitude and appreciation to DANIDA for funding the "Election 2000 Project". We are also grateful to US Embassy for supporting three symposia on the 2000 Elections in Ghana and USA.

Publications

Oquaye, M.

- "Culture, Conflict and Traditional Authority in Africa: A Ghanaian Perspective", in *The Political Economy of Peace and Security in Africa*, L. Adele Jinadu (ed.), Harare, AAPS Books, 2000, pp.72-91.
- "Human Rights in Africa in the New Global Order: A Dilemma?", in *Globalisation and the Post-Colonial African State*, Dani W. Nabudere (Ed.), Harare, AAPS Books, 2000, pp.237-274.
- "Civil Society and the Domestic Policy Environment in Ghana", with E. Gyimah-Boadi, Accra, Center for Democracy and Development, CDD-Ghana Research paper No.7, 2000.
- "Civil Society Organisations and Ghanaian Democratisation", with E. Gyimah-Boadi and Kofi Drah, Accra, Centre for Democracy & Development, CDD-Ghana Research paper No. 16, 2000.
- "The Process of Democratisation in Contemporary Ghana", *Journal of Commonwealth and Comparative Politics*, Vol.38, No.3 (November 2000), p.53-78, London, Frank Cass.

Gyimah-Boadi, E.

- "A Peaceful Political Turnover in Ghana", in *Journal of Democracy*, Vol. 12, No.2, pp. 103-117.
- *Governance Institutions and Values in National Development*. (ISSER: Millennium Seminar Series, No.1, 2001).
- "Constituencies for Reform in Ghana" (with Michael Bratton and Peter Lewis), in *Journal of Modern African Studies*, Vol.39, No.2 (April 2001), pp.231-259.

Boafo-Arthur, Kwame

- "The Political Economy of Ghana's Foreign Policy: Past, Present and the Future" *Ghana Social Science Journal (New Series)*, Vol. 1 No. 1, January 2000.

Conferences/Seminars/Workshops

Oquaye, M.

- Participant, Department of Political Science Conference on Ghana Election

- 2000, University of Ghana, August 9-10, 2001. Paper presented: "**Elections at Mampong: A Study**".
- Participant, Moral Re-Armament (MRA) Ghana, International Forum on Morality in Politics, University of Ghana, November 14, 2001. Presentation: "**Morality in Politics in Ghana's Expectations for Election 2000 and Beyond**".
 - Participant, FIDA Conference, August 15-17, 2001, Accra. Theme: 'Promoting an Environment for Women Participation in Politics'. Paper presented: "**Discrimination Against Women: An Agenda for Public Policy Reform**".
 - Participant, ISSER-Merchant Bank Annual Economic Roundtable Discussion, June 11, 2001 at Noguchi Centre for Medical Research, Accra.
 - Participant, Cosmopolis Conference on 'Globalisation and a New World Order', University of Helsinki, Finland, May 31 to June 3, 2000. Paper presented: "**The Second Wind of Change in Africa: The Ghanaian Case**".
 - Participant, African Bar Association Annual Conference held in Accra, Ghana, May 16-19, 2000. Paper presented: "**Democracy, Good Governance and the Legal Profession**".
 - Participant, African Association of Political Science Conference on "Rethinking African Politics Beyond 2000", held in Yaounde, Cameroon, May 2-4, 2000. Paper presented: "**Africa: Challenges of Peace Beyond 2000**".
 - Participant, Workshop on "**An Implementation Programme On Setting Up Goals And Monitoring Progress Towards Good Governance In Africa**", organised by the Economic Commission for Africa, Addis Ababa, March 13-17, 2000. Presented the lead paper for discussion as to the way forward.
 - Participant, Workshop on "**The Role of The Government Assurances Committee: Oversight of the Executive Branch**" organised by The National Democratic Institute, Accra, February 28, 2000. Paper: "Parliament's Role in Ensuring Accountable Government".

Gyimah-Boadi, E.

- Faculty Member of the Summer Institute on Democracy and Diversity organized by the New School for Social Research (USA) and the University of Cape Town in Cape Town (South Africa), January 10-20, 2001.
- Colgate University, Center for Ethics and World Societies: Symposium on "Corruption in Africa: Criminality or Survival Strategy?". April 2, 2001.
- Presented a paper on the topic: "**Ghana's Peaceful Transfer of Power: Lessons for African Democrats**" at the International Forum for Democratic Studies of the National Endowment for Democracy", April 9, 2001.
- Presented a paper on "African Democratization in a Comparative Perspective" at the Conference on "**Political Reform in the Middle East: Opportunities and Constraints**", organized jointly by the International Forum for Democratic Studies and Woodrow Wilson International Center for Scholars. Participated in a symposium on "**Democracy in the Middle East and Africa**", April 9, 2001.
- Presented a paper on "**A Coalition Approach to Combating Corruption at**

the ECOWAS Ministers of Justice Conference on Collaboration Against Corruption", held in Accra, May 21-22, 2001.

- Presented keynote paper on "**The Role of the Citizen in the Consolidation of Ghana's Democracy**" at the CHRAJ-UN Human Rights Day symposium on the theme: "Advancing Civil and Political Rights for the Establishment of a Culture of Peace", Accra, December 11, 2000.

Boafo-Arthur, K.

- Seminar presentation on "Chieftaincy and the Prospects for Democratic Consolidation in Ghana". Paper presented at a Symposium on the theme "**Chieftaincy and Development**" organised by the Institute of African Studies, University of Ghana, Legon, June 14, 2000.
- National Conference on Chieftaincy and Development organised by the Institute of African Studies University of Ghana, Legon. Paper presented: "**Chieftaincy and Politics in Ghana Since 1982**".
- "**Globalisation and Democratic Consolidation in Africa: The Ghanaian Case**". Seminar Presentation at the African Studies Centre organized by the theme group on Control, Conciliation, and Conflict in Africa, Leiden, the Netherlands, February 27, 2001.
- Seminar presentation on "**The Dynamics of Democratic Consolidation in Africa**" under the auspices of the theme group on Control, Conciliation, and Conflict in Africa at the African Studies Centre, Leiden, the Netherlands on March 6, 2001.
- "**Conflicts in Sub-Saharan Africa: Possible Solutions in the 21st Century**". Paper presented at a Seminar organised by the theme group on Conflict at the African Studies Centre, Leiden, The Netherlands, March 27, 2001.
- Discussant at a seminar at the Institute of Social Studies, The Hague on April 3, 2001 on the topic "A New Era: Ghana's 2000 Elections".
- Seminar on "Democratic Governance and Constitutional Limitations: Chiefs and Politics in Ghana since 1982" on May 9, 2001 at the African Studies Centre, Leiden, the Netherlands.
- Participant, Department of Political Science Conference on "Ghana's Election 2000", Nursing Department Auditorium, University of Ghana, August 9- 10, 2001. Papers presented: (1) "**Election Monitoring and Observation in Ghana: Problems and Prospects**". (2) "**Survey Patterns and Election Outcomes in the Mfantseman West and Cape Coast Constituencies**"

Ahiawordor, S. K.M.

- Participant, Department of Political Science Conference on the "**2000 General Elections and Presidential Run-Off**", Nursing Department Auditorium, University of Ghana, August 9-10, 2001. Papers presented: (1) "Issues and Dilemmas in Ghana's Elections 2000"; (2) "Explaining Voter Behaviour in the Ho Central and Ho East Constituencies".
- Participant, ISSER-Merchant Bank Annual Economic Lecture and Round

Table Discussion, June 11, 2001, at British Council Auditorium on the topic "West African Common Currency: Advantages, Problems, Prospects and Challenges".

- Participant, Department of Political Science Special Forum on Ghana's Elections 2000, Department of Nursing Auditorium, University of Ghana, Wednesday November 29, 2000. Paper presented: "**The 2000 Elections: Issues, Problems and the Way Forward**"
- Participant and Resource person, 52nd Annual New Year School of the Institute of Adult Education held at the University of Ghana, January 8-14, 2001.

Debrah, E.

- CODESRIA Governance Institute – 2001 Session, Dakar, Senegal, August 4 – September 4, 2001. Paper presented: "**Reforming the Electoral Process: Implications for Free and Fair Elections in Ghana**"
- Participant, Department of Political Science Conference on "Ghana's Election 2000", Nursing Department Auditorium, University of Ghana, August 9-10, 2001. Papers presented: "**Mechanisms for Ensuring Free and Fair 2000 Elections in Ghana**". (2) "**The 2000 Ghanaian General Elections: A Survey of Yilo Krobo and Birim North Constituencies**".

Frempong, A.K.D.

- Participant/Rapporteur-General, African Security Dialogue and Research (ASDR) and Media Foundation of West Africa (MFWA) Round Table on Police and Policing, British Council Hall, Accra, August 20-22, 2001.
- Participant, Department of Political Science Conference on "Ghana's Election 2000", Nursing Department Auditorium, University of Ghana, August 9-10, 2001. Papers presented: (1) "**Ghana's Election 2000: The Ethnic Undercurrents**"; (2) "**A Comparative Analysis Electoral Survey in the Nkawkaw and Afram Plains Constituencies in Ghana's Election 2000**".
- Participant/Rapporteur-General, ASDR/FOSDA/PCASEP-organised Civil Society Consultation on The ECOWAS Moratorium, Miklin Hotel, Accra, June 7-9, 2001.
- Participant, Institute of African Studies Chieftaincy Governance and Development Workshop, University of Ghana, Legon, May 19-27, 2001. Paper presented: "**The Role of Chiefs in Conflict and Conflict Resolution in Ghana**".
- Participant, Tenth Annual Conference of Global Awareness Society International (GASI), Golden Tulip, Accra, May 16-19, 2001. Papers presented: (1) "**Personalised Rule and Civil Conflict in Africa: The Case of Tubman in Liberia**"; (2) "**International Intervention in Intra-State Conflicts in Africa: Lessons From the ECOWAS Intervention in Liberia**".
- Participant, Academy of Finland-sponsored Workshop on "State and Everyday Life in Africa", University of Helsinki, Finland, May 4-6, 2001. Paper presented: "**State Formation and State Collapse in Liberia**".

DEPARTMENT OF PSYCHOLOGY

Overview

The Department of Psychology which was established in 1967 continues to train hundreds of young men and women at both the undergraduate and postgraduate levels. Although the Department is housed in a very small temporary structure, it is arguably one of the biggest Departments in the University in terms of student numbers. During the year under review, there was a phenomenal increase in student numbers - registered number of students at Level 200 classes numbered over 950 in a single class. Mr. Adote Anum, a lecturer in the Department went on study leave to do his Ph.D. degree while Dr. Abena Asantewaa joined the Department. Psychology has become so popular that there is an urgent need to construct a new departmental building.

During the year under review, the Department went on a 4 - day academic retreat to review its academic programmes to reflect present changes in the discipline. It is hoped that the revised programmes will be implemented during the 2002/2003 academic year after approval by the Academic Board.

The Department continued to offer a wide range of both undergraduate and postgraduate courses. Postgraduate programmes were run in Clinical, Industrial and Organisational, Social, and Development Psychology. The Department, in line with its long term mission, is gradually becoming a centre of excellence for its postgraduate Clinical Psychology Programme, coordinated by Prof. S. A. Danquah. Enrollment into the Clinical Psychology programme continues to attract not only graduates from Psychology but also from allied disciplines like Medicine and Public Health.

The Department also continued to service the Departments of Nursing, Home Science, Sociology, Social Work, the Prisons and Police Administration Units of the Department of Sociology and lately, the Department of Information Science. Through the effort of the Department, the maiden annual General Conference of the newly inaugurated Ghana Psychological association (GPA) was held at the University of Cape Coast on the 8th and 9th August, 2001. Several senior members and postgraduate students of the Department participated in the conference.

Courses

Undergraduate Courses: The Department offered over 30 undergraduate courses at Levels 100, 200, 300, and 400. Students offering Psychology as a single -or combined - subject major increased from 140 to over 200.

Postgraduate Courses: Clinical Psychology and Industrial and Organisational, Psychology continued to be offered at the M. Phil. Level. Developmental Psychology and Social Psychology were offered at the Ph.D. level for 5 candidates.

Student Numbers

Level 100	441
Level 200	1,754
Level 300	2,461
Level 400	954
M. Phil. Part I	26
M. Phil Part II	24
Ph.D.	5

Staff Strength**(a) Academic Staff**

1. Prof. S.A. Danquah	Professor (on post-retirement contract)
2. Prof. J.Y. Opoku	Associate Professor & Head of Department
3. Dr. A. Afrifa	Senior Lecturer
4. Dr. R. Akuamoah-Boateng	Senior Lecturer
5. Dr. Rose Schroeder	Lecturer
6. Dr. Benjamin Amponsah	Lecturer
7. Mrs. Charity Akotia	Lecturer
8. Mr. C.B. Wiafe-Akenteng	Lecturer
9. Mr. Adote Anum	Lecturer
10. Mr. Maxwell Asumeng	Lecturer
11. Dr. Abena Asantewaa	Lecturer
12. Prof. C.E. Fiscian	Associate Professor (Part-Time)
13. Dr. J.J. Lamptey	Senior Lecturer (Part-Time)
14. Dr. A. Sefah-Dedeh	Senior Lecturer (Part-Time)
15. Dr. A. Ofori-Attah	Lecturer (Part-Time)
16. Mr. Nortey Duah	Lecturer (Part-Time)

(b) Non-Academic Staff

1. Mr. E.N. Adumuah	Chief Administrative Assistant
2. Mr. J.J. Mensah	Principal Technician
3. Ms. Elizabeth Cudjoe	Administrative Assistant (Library)
4. Mrs. Sarah A. Essilfie	Clerk Grade I
5. Mr. Francis Asandor	Senior Headman

Ten(10) National Service Personnel were posted to the Department and served as tutorial assistants. Six (6) M. Phil. Part II students were appointed Graduate Teaching Assistants.

Publications, Research and Conferences

Publications

Opoku, J.Y.

- (2000). A Short Guide to Research Writing in the Social Sciences and Education. Accra: Ghana Universities Press.
- Opoku, J.Y. & Ofori-Adjei. S. (2001). Translations of Prose by Bilinguals at Different Levels of Proficiency in English. Ghana Journal of Psychology, 1(1), 153 - 164.
- Opoku, J.Y. (2001). (Editor), Ghana Journal of Psychology, 1(1).

Research

(i) Completed research

- Building a model of bilingual semantic memory: The joys and frustrations of a psychologist. (Submitted for possible publication in the *Ghana Social Science Journal*).

(ii) Completed research (not published)

- Second language proficiency and cross-language influence on a comprehension task.

(III) Ongoing Research

- Personality type and preference for geometric patterns.
- Some psychological and social factors involved in University admissions (in collaboration with A. Tabi).

(c) Conference Attended

- 1st Annual Congress of the Ghana Psychological Association, University of Cape Coast, Cape Coast, August 8 & 9, 2001.

Schroeder, Rose M.

Publications

- Schroeder, R.M., Akotia, C.S., and Apekey. A.K. (2001). "Stress and Coping Among Ghanaian School Teachers". Life Psychologia: An International Journal, 9(1), 89 -98.
- Danquah, A.O., Fianu, D.A.G., Schroeder, R.M. and Akomaning, E.O (2001). "Psychological and Other Factors in Food Preference Among Foreign Students at the University of Ghana", Ghana Journal of Psychology, 1(1) 128-139.

Ongoing Research

- Attitude of University students towards Counselling

Conference Attended

- 1st Annual Congress of the Ghana Psychological Association, August 8 and

9, 2001.

Akotia, Charity S.

Publications

- Schroeder, R.M., Akotia, C.S. & Apekey, A.K. (2001). "Stress and Coping Among Ghanaian School Teachers" *Ife Psychologia: An International Journal*, 9(1), 89-98.
- Akotia, C.S. (2001). "Gender Differences in Crying Among University of Ghana Students". *Ghana Journal of Psychology*, 1(1), 140-152.

Ongoing Research

- Doctoral project on psychosocial obstacles to women's advancement at the work place.
- A study on women in management in Ghana.
- Cross-cultural studies on personal responsibility.

Conference Attended

- 1st Annual Congress of the Ghana Psychological Association, August 8 & 9, 2001.

Wiafe-Akenteng, C.B.

Ongoing Research Projects

- Ph.D. research project on Self construction (individualism-collectivism), social pressure and decision-making among Ghanaians.
- Help seeking among Secondary School Students: The relative role of parents, teachers and peers.

Extension works

- Youth and Career Development. A presentation made at the National Youth Summit held in Accra from August 13 - 16, 2001.
- Ghanaian Cultural Values & Globalization. A presentation made at Wake County & Centennial High Schools Raleigh, North Carolina, USA. May 2001.
- A resource person on Life FM (a local FM Station at Nkawkaw) Youth Programmes.

Conference/Seminars/Workshop Attended

- First Annual general Meeting of Ghana Psychological Association (GPA). Held in Cape Coast from August 8 - 9, 2001.
- Building Bridge: Prejudice Reducing Workshop organized by National Coalition Building Institute (NCBI), USA. held in Raleigh in March, 2001.

Afrifa, A.

Extension Activities

- Social Psychology of Police Brutality Paper presented at a Seminar for The

Crime Investigation Department (CID) of the Ghana Police Service, Marina Hotel, Dodowa, July 3, 2001.

- "Handling Suspects and Police-Public Image" Paper presented at a Seminar Police Public Relations in a Democratic Society organised by the Media Foundation for West Africa, (MFWA). Police Headquarters, August 23, 2001.
- "Socio-cultural Dimensions of Sustainable Development". A thematic discussion paper for The National Assessment of the Implementation of Agenda 21 for the 2001 World summit On Sustainable Development, July 23 - August 4, 2001.
- Member, Police Enlistment Panel (in the 10 regions). June 5 - June 25, 2001.
- Member, Ghana Military Academy (GMA) Main Selection Board, September 10-24, 2001.

DEPARTMENT OF SOCIOLOGY

Overview

Because of its continuing relevance 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 working to find ways of coping with its ever-increasing work load to improve upon its facilities to benefit both staff and students. During the year under review the Department's modern Computer center was inaugurated by the Pro-Vice chancellor on the 29th of September 2000. This center was established as a result of collaboration between 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 of both students and faculty. Further, with the assistance of the ICT, the Department has established internet facilities for both staff and students. The Department plans to improve the current dial-up system by hooking on a radio link facility in the year 2002.

The Department also acquired a photocopier and an overhead projector and has embarked on rehabilitating 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 teaching staff has been increased by only one additional appointment. There are however, more applications in the pipeline. It is envisaged that the staffing situation will improve in the coming year.

The Social Work Unit continued to be under the Department of Sociology. It offers

two programmes namely, Diploma in Social Administration and B.A. Degree in Social Work.

The Diploma in Social Administration is a two-year programme, which is a service course for various middle-level personnel from several Departments and organization such as Department of Social Welfare, Department of Community Development, Ghana Education Service, Ghana Army, CHRAJ, Non-Governmental Organizations and some private students. Present Total Enrollment is 46.

The B.A. Degree in Social Work started in 1989/90 academic year. It is offered in Level 200. Students must satisfy the minimum requirements for general University entry and must combine Social Work with two other Social Science subjects during their first University examination. Present Total Enrollment is 203.

Fieldwork placement of students occupies a very important place in the Diploma and Degree programme. The training requires that students undergo 8 weeks Long Vacation Fieldwork and 2 weeks Concurrent Field work 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 process of working with people as individuals, groups and communities.

Staff of the Unit

At present the Unit has only four (4) full-time teaching staff one of whom is on study leave. Their efforts are being supported by 6 part-time lecturers. With increase in student numbers, the need for more staff is very crucial.

Benefactions

As a result of the long-standing collaboration between the Unit and the Hogeschool De Horst, Netherlands and in their efforts to help the Unit develop its library, Hogeschool secured funding from Heijmerink-Reith Fund, Netherlands with which the Unit was able to establish a Computer Center with 13 computers and 2 printers. The funding also included training of students to be computer literate. This was arranged with the Computer Science Department.

Master's degree in Social Work

The Social Work Unit is aware of the numerous persistent and emerging social problems of The Ghanaian Society which call for pragmatic approach to new teaching methods, research activities and development of inter-disciplinary training programmes to help prepare the students to meet the challenge. As a result the B.A. degree programme has been revised and a programme for Masters degree developed. The new programmes have received approval of the Board of Faculty of Social Studies.

Professional Autonomy

In 1998 Social Work Unit celebrated 40 years of existence of Social Work Education

in the University of Ghana. All these years Social Work has been a small unit under Sociology Department. Social Work is a professional discipline carrying a major responsibility for changing the social and human environment. A proposal for Social Work Unit to be granted full status of a Department has received the approval of the Board of Faculty of Social Studies, and is awaiting decision by the Academic Board.

General Comments

As is true for many other Departments, lack of resources in terms of funding, staff, library materials, computer and Internet access continues to hamper effective research, conference attendance, and teaching. This context makes it particularly necessary that Sociology and Social Work develop partnerships with other agencies, which will assist to build capacity within the Department.

Student Numbers for 2000/2001 Academic Year

Post Graduate Student

Ph.D	5
M.A./M.Phil	37
Graduate Diploma	17
Total	56

Sociology Under-Graduate Student

Level 100	444
Level 200	547
Level 300	371
Level 400	245
Occasional Student	20
From Other Department	12
Total	1,639

Social Work

Under-Graduate

Level 200	108
Level 300	61
Level 400	66
Occasional Student	
Other Dept.	
Total	235

Diploma in Social Administration

Year I	23
Year II	23
From Other Dept.	
Total	46

Diploma in Prison Admin

Year I	6
Year II	13
Total	19
Grand Total	1,995

Staff

Efforts to augment the staffing situation are beginning to see modest results. Given the fact that the Sociology Department services Departments such as Nursing, Home Science, Pre-medical Sciences, etc, the position of staffing is still critical. The current staffing position is as follows:

Senior Members

1. Prof. Chris Abotchie (Head of Department)
2. Prof. J.M. Assimeng
3. Dr. Yangyuoru (Co-ordinator, Prisons Admin)
5. Dr. Kodjo A. Senah (Co-ordinator, Police Admin.)
6. Dr. Kofi Ohene-Konadu (Sabbatical Leave)
7. Prof. Clara K. Fayorsey
8. Ms. Marie-Antoinette Sossou (Study Leave)
9. Dr. C. Agawu (Leave of Absence)
10. Mr. T.K. Richardson (Study Leave)
11. Mr. P.K. Abrefah (Co-ordinator, Social Admin. Unit)
12. Dr. M.K.Yeboah
13. Mrs. Cynthia Akofa Sottie
14. Dr. Dan-Bright Dzorgbo
15. Dr. Steve Tonah

Part-Time Lecturers

1. Prof. G.K. Nukunya
2. Mrs. Susana Mahama
3. Dr. Kwadwo Kwabia
4. Mr. John Amenlemah
5. Mr. V.C. Anson-Yevu
6. Ms. Joana Mensah
7. Mr. Amoako
8. Mr. E.H. Mends
9. Prof. Nana Araba Apt

Senior Staff

1. Mrs. Vicky Ayiku
2. Mrs. Comfort Agbodaze
3. Mrs Millicent Acheampong (Study leave)
4. Mr. Vincent Donkor (Study leave)
5. Mr. Yaw Serbeh

Junior Staff

1. Ms. Margaret Ahiagbenyo
2. Mr. Thomas Annang
3. Ms. Josephine Atanzi (Study leave)
4. Mrs. Zenabu Petula Kobatu (Study leave)
5. Ms. Edith Kosipa
6. Mrs. Joyce Darkwah
7. Mrs. Rosemary Okai-Addo
8. Mr. Edward Appiah-Sow
9. Mr. Solomon Takyi
10. Ms. Ophelia Ampomah Abedi
11. Mr. William Boateng
12. Ms. Cynthia Fianko

New Research and Publications

Senior members have managed to combine heavy teaching load with research, publications and public service. The profile for 2000/2001 was as follows:

Publications

Dan-Bright, S. Dzorgbo

Books

- *Ghana in Search of Development: The Challenge of Governance, Economic Management and Institution Building*, (2001). Ashgate Publishers Ltd. Aldershot, Hampshire, UK.

Articles

- "The African State and Capitalist Development: A Historic-sociological Approach to State-Development Relationship", in Sorensen Olav Jull and Arnould Eric (eds.) Proceedings of the 7th International Conference on Marketing and Development Aalborg University, Denmark, 2000.

Conferences, Seminars and Workshops

- A member of Research and Consulting team for the "Social Impact Assessment of Institutional Renewal Programme at the Oil Palm Research Institute (OPRI) at Kade", a Subvented Agencies Reform Project commissioned by the National Institutional Programme (NIRP) with funding from Department for International Development, UK, in December 2000 – April 2001.
- Presented Papers:
 - (a) "Marriage: Rites, Duties, Rights and Responsibilities"
 - (b) "Types and Functions of Family";
 - (c) "Responsible Parenthood and Parenting"; and
 - (d) "Socialisation and Rites of Passage" at the POP/FLE Training Workshop for Polytechnic Lecturers, February 18-24, 2001, Accra.

- Presented Paper: "Creating Healthy Cities: The Role of the Youth" at UN's Symposium on World Environmental Day with theme: Globalisation and Social Transformation", June 7, 2001, Accra.

Publications

Tonah, Steven

- (2001). "Integration or Exclusion of Fulbe Nomadic Pastoralists in West Africa: A Comparative Analysis of State and Local Policies in Ghana and Cote D'Ivoire". (Forthcoming) December, 2001.
- (2001). "Integration und Ausgrenzung der Pastoral-Nomadischen Fulbe in Westafrika: Ein Vergleich der staatlichen Viehpolitik und interethnischen Beziehungen in Ghana und der Elfenbeinkustse", Zeitschrift fur Ethnologie, (Forthcoming), June 2002.
- (2001). "Demontage der Chiefs: Wie im postkolonialen Ghana aus öffentlichen Personen private wurden", Informationszentrum Drittwelt, Freiburg, Germany.
- (2001). "A Survey on the Capacity of Small Enterprises for Road Maintenance Projects", for the GHA/GTZ Project, Accra.
- (2001). "A Survey of the Association of Road Contractors of Ghana (ASROC) and the Ghana Institution of Engineers (GhIE)", for the GTZ/GHA Project, Accra.
- Tonah, Steve et. al. (2001) "Promotion of Small and Medium Sized Enterprises in Road Maintenance in Ghana, GTZ, Accra".

Conference/Seminars/Workshops Attended

- St. John Boscos Professional Seminar on Technical/Vocational Education and Self-Employment, Accra, January 3-5, 2001.
- German Technical Cooperation Workshop on Moderation Skills and Goal Oriented Development Planning, Part I, Accra, March 14-17, 2001.
- German Technical Cooperation Workshop on Moderation and Goal Oriented Development Planning, Part II, Accra, March 21-23, 2001.
- West African seminar of the Max Planck Institute for Social Anthropology, Bobo Dioulasso, Burkina Faso, March 10-17, 2001.
- Max Planck Institute Workshop on Property and Equality, June 25-27, Maritime Hotel, Halle/Saale, Germany
- Seminar on Conflict and Integration of the Max Planck Institute for Social Anthropology, at Borghozhausen, Germany, July 13-16, 2001.
- VBRP/VRA National Conference on Lower Volta Environmental Impact Studies, Accra, August 30, 2001.

Papers presented

- "Overview of the Challenge and Opportunities of the West African Economies with special Reference to the Informal Sector". Paper presented at a professional seminar on Technical/Vocational Education and Self-

employment', Accra, January 2001.

- "The Expulsion of Fulani Nomadic Pastoralists From Ghana". Paper presented at a West African Seminar of the Max Planck Institute for Social Anthropology, Bobo Dioulasso, March 2001.
- "Fulani Pastoral Migrations into the Middle Belt of Ghana". Paper presented at a Seminar on Conflict and Integration of the Max Planck Institute for Social Anthropology, at Borghozhausen, Germany, July 2001.
- "Fulani Pastoral Migration, Sedentary Farmers and Conflict in the Middle Belt of Ghana, Paper for the National Conference on Livelihood and Migration, ISSER, November 2001.

Publications

Senah, K. A.

- 'Doctor-talk and Patient-talk: Ethnocentrism and Power Relations in Ghana', in: S. Van der Geest and R. Reis (eds): *Antidotes to Ethnocentrism: Medical Anthropological Positions* Amsterdam, Het Spinhuis 2001 pp.21 – 42.
- Can We Control the Modes of Pharmaceuticals Consumption in Ghana? A Plea for Community Perspective." *Ghana Journal of Consumer Affairs* Vol.1 No.1 June 2001 pp 45 – 56.

Workshops/Seminars

- First International Conference on Traditional Medicine Accra International Conference centre: July 19-20, 2000. Delivered a paper: "Critical Overview of Traditional Medicine Practice in Ghana".
- Second International conference on Traditional Medicine, GIMPA, Accra , July 20-21, 2001. Delivered a paper: "Definition of Concepts in Developing Relationship Between Traditional and Orthodox Medicine: Integration of Traditional Medicine into Conventional Medicine".

Publications

Fayorsey, Clara

- *Male Protagonists in the "Commercialisation" of Aspects of the Female Life cycle in Ghana. Fertility and the Male Life – Cycle in the Era of Fertility Decline.* Edited by Caroline Bledsoe, Susan Lerner and Jane Guyer-International Studies in Demography, Oxford University Press, ISBN 019-229441 (Anarfi J. and Dc.k. Fayorsey).
- "Poverty and the Denial of the Ghanaian Child's Basic Human Right", CSPS, Policy Brief No.3 Centre for Policy Studies (CSPS) University of Ghana, Legon ISSN 0855-3726.

Conferences

- October 2000, International Conference on Health for Development, Bangkok, Thailand.
- June 2000, "Social Integration in Ghana", Support Document for the United

Nations General Assembly 24th Special Session on World Summit for Social Development, Accra, and Geneva, Switzerland.

- May 2000, "Families –Agents and Beneficiaries of Development and Progress", Keynote address presented at the United Nations International Day of Families, Accra, Ghana.

Abotchie, Chris

New Research

- Keta Sea Defence Project: Socio-cultural Implications (2000 – 2001): Prepared a Socio-cultural survey report to serve as a basis for policy measures.
- With K.A. Senah: Children in Conflict or Contact with the Law. Project Commissioned by SAVE THE CHILDREN (2000 – 2001): Prepared a Report identifying problems and measures for intervention.
- National Institutional Renewal Program (NIRP) Pilot Social Assessment of OPRI Kade (2001): Prepared a Social Impact Assessment Report identifying the vulnerability of various categories of workers and provided relevant social protection measures.
- Johns Hopkins Comparative Non-profit Sector Project, Phase IIB, Developing Countries – GHANA (2000 on – going).

Publications

Books

- **Traditional Ghanaian Social Institutions**, Distance Education Lectures to be published by The Distance Education Center, University of Ghana, 2001.
- **Social Structure of Modern Ghana**, Distance Education Lectures to be published by The Distance Education Center, University of Ghana, 2001.
- With Obi Ebbe, "**Crime and Crime Control in Ghana**", in **Gregg Barak (ed.) Crime and Crime Control: A Global View**. Westport, CT: Greenwood Press, 2000. Chapter 4, pp 49-63.
- **Bribery**, to be published in the Encyclopedia of Crime and Punishment by the Berkshire Publishing Group LLC (USA) 2001.
- **Conduct Norms and Crime**; to be published in the Encyclopedia of Crime and Punishment by the Berkshire Publishing Group LLC (USA) 2001.

Yangyuoru, Yvon

- *Social Psychology: A Textbook for Distance Education (Forthcoming)*
- *An Environmental Health of the Greater Accra Metropolitan Area (Ghana)*, Ghana Stockholm Environmental Institute. Forthcoming (with Songsore et.al.).

Laird, Siobhan Elizabeth

- "Remedial Casework or Social Development: The Dilemma for African Practitioners", Professional Social Work July 1999.

- "Social Work in Sub-Saharan Africa: Its Failures and Possibilities "Papers delivered at IVS-ISN International Symposium on "Social Development for The New Millennium" July 4-8, Cape Town, South Africa.

COLLEGE OF HEALTH SCIENCES

MEDICAL SCHOOL

DEPARTMENT OF ANAESTHESIA

Overview

The year under review was relatively peaceful with a few major strikes by health workers of the Korle-Bu Teaching Hospital. However because of previous strikes the final Part II examinations were held in January 2001 instead of December 2000 as happened the previous year.

The clinical load continued to take a heavy toll on Senior Members, the situation having been made worse by Dr. Frank Boni's departure on Sabbatical leave in February 2001.

Anaesthetic Clinic

The Department now has a well-established Pre-Anaesthetic Clinic, which is run daily by both Senior Members and other members of Ministry of Health staff in the department.

Postgraduate Examinations

Senior members are examiners at the West African College of Surgeons Exams, which are held twice a year in Ibadan, Nigeria and Accra.

Staffing Position of Department as at September 2000

(a)	Academic/Research Staff	6
(b)	Senior Staff	1
(c)	Junior Staff	1

Courses Taught/Number of Students

(a)	Postgraduate	
	Diploma in Anaesthesia	
	Fellowship in anaesthesia	
	Primary	
	Part I	
	Part II	
	MB, ChB Part II	
	Core Anaesthesia	67
	Intensive Care	
	Cardiopulmonary Resuscitation	

Publications

Amponsah, Gladys

- "Postoperative Nausea and Vomiting in Children in Tuen Mun Hospital." Published in Nigeria, 2000 by *African Journal of Anaesthesia and Intensive Care* Vol.3 No.2 December 1997 Pp.47-49 (NB: There has been a delay in the publication of this journal over the last couple of years).
- Review of an article "Ondansetron for the Prevention of Epidural Fentanyl-induced Pruritis" for *Ghana Medical Journal*, March 2001.
- Evaluation of Intramuscular Pethidine versus Oral Diclofenac for postoperative pain relief in patients undergoing orthopaedic/trauma surgery at Komfo Anokye Teaching Hospital July 2001 both for *Ghana Medical Journal*, March 2001.

Lamptey, E.

- Contributor to 2 chapters of manual on "Accidents and Emergencies" for Ministry of Health, Ghana – in print.
- Several chapters of algorithms and annotations for "Guidelines in the Management of Accidents and Emergencies" (not yet published, the final title may change).

Aniteye, E.

- Tracheal stabilization for tracheomalacia: K. Frimpong Boateng, E. Aniteye, *East African Medical Journal*.
- Cardiopulmonary bypass in sickle cell disease, GMJ: K. Frimpong Boateng, E. Aniteye, AGB Amoah.

Research

Lamptey, E.

- Outcome of anaesthesia in elderly patients after Genitourinary and orthopaedic surgery. (Elective and emergency) – ongoing.
- Effect of prostatectomy on blood sugar levels – ongoing.

Aniteye, E.

- Research (on-going)
- Isovolaemic haemodilution for gynaecological surgery
- Erythropoietin use for elective surgery
- Midazolam use for conscious sedation in upper GIT endoscopy
- Use of tranxamic acid to control postoperative bleeding after open heart surgery.

Adu-Gyamfi, Y.

- Postoperative pain control.

Conferences/Seminars/Workshops Attended**Amponsah, Gladys**

- Ghana Surgical Research Society Meeting in Accra, December 2000, May 2001. Was a co-moderator for one of the scientific sessions on both occasions.
- West African College of Surgeons annual conference in Nouakchott, Mauritania January/February 2001.
Papers: "Postoperative Pain Relief – Newer Methods".
Latex Allergy Old Disease. New Dimensions
- Ghana Anaesthetic Society meeting in April 2001 in Accra.
Moderator of a Scientific Session.
Paper : "Brief Overview of Parenteral Nutrition."
- Ghana Dental Association Congress in June 2000 in Accra.
Paper : "Anaesthetic Implications of Poor Oral Hygiene"
- Workshop for Heads of Department/Units organized by the College of Health Science in Accra, March 2001.
- Workshop on Quality Assurance organised by Ministry of Health in September 2000 and by Korle-Bu Teaching Hospital in October 2000. Quality Assurance Plan for KBTH was drawn at the 2nd workshop.
- Ghana Association of Nurse Anaesthetists Workshop on Monitoring Devices in May 2001, Accra.
(i) Guest of honour at opening ceremony.
Papers: i. "Neuromuscular Function Monitoring"
ii. "Documentation of Care"

Extension Service

- A Member of Quality Assurance Committee of Korle Bu Teaching Hospital.

Baddoo, H.K.

- Ghana Surgical Research Society May 2001.
Study: "Magnesium levels in patients with pre eclampsia/eclampsia who have been given Magnesium Sulphate"

Lamprey, E.

- On manual writing for Ministry of Health in February 2001
- Emergency Medicine – Participant and Resource person for "Maintenance of the Airway" June 2001.
- Ghana Anaesthetists Society Conference April 2001.
Paper : "Complications of Parenteral Nutrition."
- 26th Congress of the Scandinavian Society of Anaesthesiology and Intensive

Care Medicine at Tromso, Norway June 2001.
Paper : "Anaesthetic Practice in Ghana – the Challenges."

Aniteye, E.

- Univent tube for one lung ventilation, Tokai University, Japan, October 16-20, 2000.
- Inter-African Heart Foundation Network Conference, Lagos, March 2001.
- Review of curriculum of critical care nursing programme, Accra, April 22-28, 2001.
- Ghana Anaesthetists Society Meeting: Secretary and Convener. Topic: Parenteral Nutrition April 20, 2001.

Adu-Gyamfi, Y.

- Seminar on: "Parenteral Nutrition"
- Lectured on: "Administering Parenteral Nutrition"

DEPARTMENT OF ANATOMY

Overview

The Department continued to function satisfactorily in the areas of teaching, research and extension services during the year under review. The acquisition of a new computer and an Internet connectivity facilitated research activity in the Department. One new graduate student joined the M.Phil programme.

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	Associate Professor and Head
Dr. F.K. Addai	Senior Lecturer
Mrs. Esther E. Dennis	Senior Lecturer
Prof. F.N.L. Engmann	Associate Professor (Part-time)

Prof. C.N.B. Tagoe and Mrs. Esther E. Dennis were promoted to the grades of Professor and Senior Lecturer, respectively. Mrs. Esther E. Dennis defended her Ph.D. thesis successfully.

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 (on study leave)
Mr. Sampson Baidoo*	Technician
Mr. Samuel Mensah	Technician

Lawson, A. and Schoenwolf, G.C.

- (2001) Cell populations and morphogenetic movements underlying formation of the Avian Primitive Streak and Organizer. *Genesis* 29:188 – 195 (2001)

Kirby, M.L., Lawson, A., Stadt, H.A., Kumiski, D.H., Wallis, K.T., McCraney, E. Waldo, K.L., Yin-Xiong, Li and Schoenwolf, G.C.

- Prechordal plate gives rise to the midline endoderm of the foregut, a longitudinal stripe having characteristics of a ventral axis (In press).

Addai F.K.

- (2000) Placental cells in monolayer culture: cytoplasmic and nuclear diametric changes after colchicines treatment. *Book of Abstracts*, 9th Scientific Congress of the anatomical society of West Africa. Page 8.
- (2001) Saliva pH responses to Golden Tree ingestion with or without subsequent stick chewing. *Book of Abstracts*, 22nd Biennial Conference of GSA, page 116.

Addai F.K., Henson, M.C. and Vigh, S.

- (2000a) Distinctive Intracellular patterns of mitochondria may distinguish trophoblast and mesenchymal cells in vitro. *Book of Abstracts*, 6th Meeting of the International Federation of Placental Associations (IFPA), page A 35.
- (2000b) Is there a direct indicator for biochemical differentiation during syncytial formation of cytotrophoblast cells in vitro? *Book of Abstracts*. 6th Meeting of the International Federation of Placental Associations (IFPA), page A 35.

Conferences/Workshops

Lawson, A.L.

- Society for Developmental Biology. Annual Conference in Seattle, Washington. July 17 – 22, 2001

Addai, F.K.

- 9th Scientific Congress of the Anatomical Society of West Africa (ASWA) University of Ibadan, Ibadan, Nigeria, October 18-22, 2000.
- 22nd Biennial Conference of the Ghana Science Association (G.S.A.), University of Cape Coast, Cape Coast, Ghana, August 5-9, 2001.

Extension Work

- Prof. Tagoe acted as External Examiner in Anatomy at the Primary Fellowship Examinations of the West African College of Surgeons in October 2000.
- Prof. Lawson and Dr. Addai are Editor and Assistant Editor respectively for the *West African Journal of Anatomy*.
- The Department hosted the Ghana edition of the WACS Primary Examinations

- in April 2001.
- Dr. Addai acted as Co-editor, the Ghana Health Digest, and publication of the Health Foundation Ghana.
- Dr. 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. The Head of Department went on retirement. 2 MPhil students completed their programme of studies. One senior member left for his (Ph.D.) postgraduate studies.

Dr. G.O. Oyeyinka who was on sabbatical from Nigeria left.

Staffing Position as at September, 2001

Academic/Research Staff	4
Senior Staff	6
Junior Staff	2

Courses Taught/No. of Students

Course	Number of Students
Level 300	Nil
Level 400	97
1st Clinical Year	Nil
MB Ch.B Pt.II	Nil
MB Ch.B.Pt.I	Nil
DMLT	15

Department of Chemical Pathology also offers Postgraduate training.

Research

1. Reference ranges of biochemical analytes
2. ADA levels in various diseased conditions
3. pancreatic elastase – assays
4. Lipid profile of hypertensives, diabetics. etc
5. Hydrogen breath tests in apparently healthy Ghanaians
6. Serum albumin levels and lipid profiles in some patients with nephritic syndrome
7. Comparison of Adenosine Deaminase and glycated haemoglobin in type II diabetics before and after treatment.
8. Prostate Specific Antigens in Prostatic Diseases
9. Serum Immunoglobulins and complement studies

Publications

Two papers have been accepted for publication.

1. Total antioxidant status in non-insulin dependent diabetes mellitus patients in Ghana Medical School
2. The incidence of glycosuria and diabetes in patients attending the Korle-Bu and Mamprobi Polyclinics.

Conferences/Seminars/Workshops attended

March 20, 2001

- One-Day Seminar on effective Administration of Departments/Units. Medical School Auditorium, Korle-Bu.

March 22, 2001

- One-Day Seminar on Poison Control Activities in Ghana, Accra.

April 15, 2001

- Initiated a community clinic project involving 3 (three) communities of Offinso, Ashanti. Donated hospital laboratory equipment worth several millions of cedis.
Reference publication: *Ghanaian Times*, April 21, 2001.

June 1, 2001

- Exclusive interview of Voice of America (VOA) on Telemedicine in Ghana

July 2001

- Published an Article on Telemedicine and Telehealth in the *Ghanaian Times*.

Other Activities

- External Examination for Department of Molecular Medicine; School of Medical Sciences, Kumasi.
- Member of Board, Medical School, College of Health Sciences.

Conclusion

The Department has been severely constrained by lack of adequate staffing and limited resources. There is the need to improve the capacity building of the department to attract more and younger lecturers.

DEPARTMENT OF CHILD HEALTH

Overview

In spite of continued shortage of teaching staff and the heavy clinical work load the Department continued to work hard, teaching both undergraduates and Postgraduates.

Staffing Position as at September 2001

Academic/Research Staff	7
Academic Part-Time	1
Senior Staff	4
Junior Staff	4

Course Taught	No. of Students
MB ChB Part I	66

Research

1. Malaria
2. Respiratory Syncytial Virus (RSV)
3. Haemophilus Influenza Meningitis
4. Burkitts Lymphoma
5. Diarrhoea

Publications

Welbeck, Jennifer

- J. Welbeck, RB Biritwum. "Factors affecting the Survival of the at risk newborn at Korle Bu Teaching Hospital, Accra". Submitted to *WAJM*, Jan. 2001.
- Neonatal Screening of Metabolic Disorders in Korle Bu Teaching Hospital, by Asante Poku, TK Johnson K. Anyane Yeboah, M Pass, J.Welbeck. Submitted to *GMJ*, June 2001

Goka B.G., Adabayeri, V. and Ofori-Adjei E. et al.

- "Comparison of Chloroquine with Artesunate in the treatment of Cerebral Malaria in Ghanaian Children". *J. Trop. Ped.* 2001; 47: 165 – 169.

Goka B.G., Kwarko, H. and Kurtzhals, J.A.L., et al.

- Complement Binding to Erythrocytes in Association with Macrophage Activation and Reduced haemoglobin in Plasmodium Falciparum Malaria. (In Press – *Transactions of the Royal Society of Tropical Medicine and Hygiene*).

Kurtzhals, J.A.L. and Goka, B.G. et al.

- The importance of Strict Patient Definitions In Studies of Malaria Pathogenesis. Presented at Oxford 2000 – "New Challenges in Tropical Medicine and Parasitology", Oxford UK by 1st author. September 2000.

Quarshie, N.B., Akanmori, B.D. and Goka B.G., et al.

- "The Role of Drug Resistant Plasmodium Falciparum in the Pathogenesis of Malarial Anaemia". Presented at Oxford 2000 – New Challenges in Tropical Medicine and Parasitology. Oxford, UK by 1st author. September 2000.

Peters, L., Akanmori, B.D., Rodrigues, O. and Goka, B.G., et al.

- Phagocytosis of in vitro Cultured Patient Isolates of "Plasmodium falciparum". Presented at Oxford 2000 – New Challenges in Tropical Medicine and Parasitology, Oxford, UK. September 2000.

Astrup, B.A. and Goka, B.G. et al.

- "Association Between Cerebral Oxygenation, Seizures and Mortality in African Children with Cerebral Malaria: A Near Infrared Spectrophotometry Study" Presented at Joint spring symposium 2001, Danish Society for Tropical Medicine and International Health and Danish Society for Parasitology, Copenhagen, March 2001 by 1st author.

Conferences/Workshops/Seminars

Neequaye, Janet

- Neonatal course for Senior Padiatricians London, Dec. 2000, Participant.

Rodrigues, Onike

- Participate in Lecture on Current Management of Gastrointestinal Disorders, Namely Peptic Ulcers, H.pysori and gastro esophageal reflux, January 16, 2001.
- Participated in the 2nd Regional seminar on Sickle Cell Disease held in Cotonou, Benin. This was an international seminar comprising an update and review course on the management of Sickle Cell Disease. The objective was to retrain clinicians and laboratory workers in Sickle Cell Disease. There were participants from eleven countries from West Africa and Europe. January 22:26, 2001.
- Workshop on Sickle Cell Disease in Primary Care. Resource person. This was a workshop aimed at educating Primary Health Care Workers about the presentation and management of Sickle Cell Disease, Cardiothoracic Unit, Korle Bu Teaching Hospital, Accra. Talked on Sickle Cell Disease in Children, January 17-18, 2001.
- Workshop on Health Writing – Sponsored jointly by the *British Medical Journal* (West Africa) and the College of Health Sciences. A one (1) day workshop on How to Write a Paper, Read a Paper and Get Published, May 5, 2001.
- Participant in two-day seminar on Infectious Diseases held by the Ghana Medical and Dental Council at Noguchi Memorial Institute for Medical Research. Topics discussed included Malaria, Guinea Worm, Onchocerciasis, HIV, TB. July 31 to August 1, 2001.
- Participant in Millenium Annual General and Scientific Meeting of the West African College of Physicians held in Monrovia, Liberia, November 12-17, 2000.

Welbeck, Jennifer

- Participated in BMJ Health Writing Workshop in Korle Bu, May 2001.
- Co-Presenter at Scientific Session of WACP (Ghana Chapter) on "3-Year Renew of Burkitts Lymphoma in the Department" May 2001.
- Participated in Workshop on "Curriculum Development for Improved Preservice Training in Nutrition" organized by WHO/Linkages, representing UGMS, May 2001.

Goka, Bamenla

- Resource Person – Revision Workshop by Faculty of General Medical Practice. Topic: "Feeding Problems, Failure to Thrive, Malnutrition, Tema, November 6, 2000.
- Speaker – Scientific Session, WACP (Ghana Chapter). Seminar on 3-Year Review of Burkitt's Lymphoma Cases seen at Department of Child Health, Korle Bu Teaching Hospital, Korle Bu, May 25, 2001.
- Speaker – 34th Annual National health Week, UGMSA sponsored by WHO. Topic: "Malaria Prevention – Effective Methods Against the Pandemic, University of Ghana Medical School, Accra, July 18, 2001.
- Speaker – Seminar on Infectious Diseases organized by Ghana Medical and Dental Council. Topic: "Severe Malaria in a Child" at Noguchi Memorial Institute of Medical Research, Accra, July 31, 2001.

Renner, Lorna

- BMJ Health Writing Workshop - May 14, 2001 at Korle Bu Teaching Hospital.
- Personal Practice in Neonatal Care - March 7-9, 2001 at Imperial College School of Medicine, London.
- Hib-Paediatric Bacterial Meningitis Surveillance Training – WHO, Johannesburg, June 4-6, 2001.

Enweronu, Christabel

- BMJ Health Writing Workshop 14th May 2001 at Korle Bu Teaching Hospital.

Benefactors

Computer to Residents from Rotary Club of Ghana.

DEPARTMENT OF COMMUNITY HEALTH

Overview

From July 2000 to August 2001, the Department of Community Health offered courses to both undergraduate and postgraduate students. Staff carried out research activities in the areas of breast-feeding, management of malaria, and

mobile sex workers. Clinical service was provided at the Medical School Clinic and at The Danfa Rural Health Centre, Ga District. Staff also participated in several workshops organised by the Ministry of Health and other agencies.

Staffing Position of Department as at September 2000

Academic/Regular Staff	3
Staff on Contract	2
Senior Staff	10
Junior Staff	23
Seconded Doctors (MOH)	3
Visiting Professor	1

Courses Taught/Number of Students

Level 300	77
Level 400	72
1st Clinical	94
MB ChB Pt. I	67
MB ChB Pt. II	73

- West African College of Physicians candidate for Part I Revision Courses for 4 students
- Anatomy postgraduate students (Revision course for 8 students)

Research

- Breastfeeding patterns in Children under 24 months in Accra
- Home management of malaria in Ablekuma Sub-metro of Greater Accra
- Mobile Sex Workers in Ghana.
- Challenges and Prospects of District Health Systems
- Women's Health in the City of Accra

Publications

Biritwum, R.B., Agyei, W.K.A., Ashitey, G.A. and Hill, R.B.

- "Sexual Behaviour and Contraception Among Unmarried Adolescents and Young Adults in Greater Accra and Eastern Regions of Ghana", *Journal of Biosocial Science*, (2000), Vol. 32, No. 4, pp.495-512.

Biritwum, R.B., Welbeck, J. and Barnish, G.

- "Incidence and Management of Malaria in Two Communities of Different Socio-economic Levels", Accra, *Annals of Tropical Medicine and Parasitology*, (2000) Vol. 94, No. 8, 771-778.

Biritwum, R.B., Gulaid, J. and Amaning, A.O.

- Pattern of Diseases Leading to Hospitalisation at Korle Bu Teaching Hospital

for 1996". *Ghana Medical Journal* (2000) Vol. 34 No. 4 197-205.

Ashitey, G.A.

- (2000) "Thirty Years in Academia Anniversary Lecture – The Challenges of Year 2000 and Beyond". *Ghana Medical Journal*, ISSN 0855-0328, Volume 34, No.2 pp. 79-98, 2000.
- (2001) *The Beacon* (A short account of the Life and Times of Charles Odamtten Easmon) ISBN 9988-0-0708-6.

Agyei, W.K.A., Biritwum, R.B., Ashitey, G.A. and Hill, R.B.

- "Sexual Behaviour and Contraception Among Unmarried Adolescents and Young Adults in Greater Accra and Eastern Regions of Ghana", *Journal of Biosocial Science*, (2000) Vol. 32, No 4, pp.495-512.

Tetteh, E.

- "Needs and Perceptions of Rural Ghanaian Women – Implications for Improved Maternal Survival" (Forthcoming).

Conferences/Seminars/Workshops Attended

Biritwum, R.B.

- Second Interagency Meeting on Reproductive Health Indicators for Global Monitoring, July 17-20, 2000, World Health Organization, Geneva, Switzerland.
- Impact Assessment Workshop on African Programme of Onchocerciasis Control, Ouagadougou, October 13 – October 26, 2000.
- Workshop on Report Writing Evaluation of APOC Programme in Africa. April 8-21, 2001
- Workshop for Faculty of Private Medical Physicians, West African College of Physicians, Accra, June 29-30, 2001.
- Minimum Data Set (MDS) for Research and Policy on Ageing and the Aged in Africa, Dar es salem, Tanzania, June 19-21, 2001.

Ashitey, G.A.

- One-day Seminar on Professional Medical Practice to New Graduates of University of Ghana Medical School, April 25, 2001.
- Convenor of Meetings of the Advisory Panel of Accra Metropolitan Health Initiative (AMEH), March 29 and May 3, 2001.
- WACP Workshop organised by Faculty of General Practice on Research Methods, June 2001. Presentation: "Do Research and Use Research."

Osei, L.

- WACP Workshop organised by Faculty of General Practice on Research Methods, June 2001.

Tetteh, E.

- Facilitated at UNICEF – sponsored workshop on Social Mobilisation in Health and Development, School of Public Health, Legon June 5 – July 14, 2000.
- Seminar on Women's Health in the City of Accra – IAS, Legon, July 17-28, 2000.
Paper : The "Challenges and Opportunity of Community Health Research in Accra".
- Workshop on Options Appraisal for Accra Metropolitan Environmental Health Initiative (AMEH): August 9, 2000.
- ATLAS Conference on Leadership : The Challenge of HIV/AIDS, Lusaka, Zambia, August 21-25, 2000.
- Participated in the Evaluation of the Ghana Population and AIDS (GHANAPA) Programme – May 2001

Richardson, R.

- Pretesting of Draft Adolescent Training Manual (Sogakope, Volta Region) October 30 – November 3, 2000.
- Ghana Postgraduate Educational Workshop, Accra, October 2000.
- Nutrition Education Workshop, Swedru – August 6-10, 2001.

Benefactions

Cash Donation towards Junior Clerkship	
Barclays Bank	¢2,500,000
Ghana Breweries	¢2,000,000
Bank of Ghana	¢2,000,000
Margins	¢100,000
Rev. Steve Miller	¢100,000
Ecobank	¢1,000,000

The Department donated ¢1,000,000 to Apam Catholic Hospital towards the building of a new students hostel.

The Department donated ¢500,000 to Gbawe towards a community toilet facility.

Visitors

- Rachel Tolhurst, London School of Tropical Medicine – February 2000.
- Dave Williams, Course Co-ordinator, Tulane University of School of Medicine – April 18, 2000
- Charles Stephen Liwanga, WHO – August 2000.
- A.O. Lucas, Harvard School of Public Health – August 15, 2000.
- Beagle Hole, Rockefeller Consultant, Geneva – August 2000.
- Florence Muli-Musiime, Rockefeller Office, Kenya – August 2000.
- Reggie Mashaba, Director of Zimbabwe School of Public Health, August 2000.

- Cynthia Eledu, CPA/UNAIDS – July 2000.
- Kwame Essah, FHI/Ghana Office – July 2000.
- Unit of Statistics and Epidemiology, Liverpool School of Tropical Medicine March 12 – April 6, 2001.
- Ms. Joan Sullivan, CPA/UNAIDS, Abidjan, Cote d'Ivoire, July 4-11, 2001.
- Prof. Don Belcher, Visiting Professor, U.S.A., February – April 2000.

Other Activities

- Participation in Higher University Link activities with the Liverpool School of Tropical Medicine – Professors G.A. Ashitey, L. Osei and R.B. Biritwum.
- External Examination for School of Public Health; School of Medical Sciences, Kumasi; West African College of Physicians – Professors G.A. Ashitey, L. Osei.
- The Department gave lectures to doctors trained abroad for Ghana Medical and Dental Council.
- Members of Staff served on Boards and Councils.

Conclusion

The Department has carried out its activities under difficult situations of poor staffing and limited resources. There is a need to pay critical attention to the field work activities of the Department in terms of support to enable supervision of students' work and the creation of a more conducive environment to attract more and younger lecturers.

CENTRE FOR TROPICAL CLINICAL PHARMACOLOGY AND THERAPEUTICS

Overview

The Centre for Tropical Clinical Pharmacology and Therapeutics (CTCPT) was established as a clinical and research department in the University of Ghana Medical School (UGMS) in 1982. The Centre is involved in studies on drugs used in some tropical diseases, particularly malaria, as well as in endocrine and metabolic disorders. Another major area of research is on interventions to improve the rational use of drugs in the country.

The CTCPT also specializes in field and clinical techniques for studying malaria parasite sensitivity to antimalarials, drug analyses (particularly antimalarials), pharmacogenetics and pharmacoepidemiology.

Academic staff of the Centre are facilitators on courses run both locally and internationally for prescribers by the International Network for the Rational Use of Drugs (INRUD) and the International Network for the Development of Pharmacotherapy Teaching (INDEPTH). Additionally, they collaborate closely with

the Ministry of Health and other institutions in the development of essential drug lists, treatment guidelines and in policy formulation for both pharmaceutical and herbal drug use in Ghana.

Staffing Position of the Department as at September 2000

(a)	Academic Staff	3
(b)	Senior Staff	5
(c)	Junior Staff	2

Academic staff

Dr. Francis Ofei	Lecturer/Acting Director
Dr. Alexander Dodoo	Research Fellow
Mr. William Kudzi	Research Fellow

Senior staff

Mr. Neils Ben Quashie	Chief Research Assistant
Mr. Michael Ofori-Adjei	Principal Technician
Mr. Edmund Nartey	Senior Research Assistant (Study leave for MPhil, Legon)
Mr. John Tsakpo	Technician
Mr. Caleb Buenortey	Technician

Junior staff

Mr. Samuel Daniels	Office Assistant
Ms. Mary Tagoe	Secretary

Research Collaboration

- Ministry of Health - National Malaria Control
- Noguchi Memorial Institute for Medical Research - Malaria Research
- INRUD - Antibiotic prescription study
- Pharmacy Department – Korle Bu Teaching Hospital
Prescribing Behaviour
Prescription Formats
- Endocrine Clinic – Korle Bu Teaching Hospital - Diabetes, thyroid and other endocrine diseases
- Roche Products (Pty) Ltd - Consultant study of obesity management

Other Collaboration

The CTCPT, in collaboration with the Food and Drugs Board of Ghana, has set up a National Centre for Pharmacovigilance (NCPv). This new Centre is an affiliate member of the World Health Organisation (WHO) programme on pharmacovigilance. The Centre is involved in detecting, assessing and preventing drug related adverse events as well as new orthodox pharmaceutical drugs, vaccines and herbal products.

Teaching

Academic staff of the CTCPT are actively involved in undergraduate and postgraduate courses in clinical pharmacology at the UGMS. Additionally, Dr. Ofei teaches and gives clinical instruction for the introductory, co-ordinated, senior clerkships and postgraduate courses in internal medicine and endocrinology of the Ghana Medical School.

DEPARTMENT OF HAEMATOLOGY

Overview

Teaching was carried at the diplomate (DMLT), undergraduate and postgraduate levels. Clinical Haematological Service to the Korle-Bu Teaching Hospital and Management of the Centre for Clinical Genetics continued. The Department organised Workshops and also attended conferences.

The workload of the Department continues to increase over the years. The Department needs to be expanded in physical structure and facilities. It also needs to attract staff to enable the Department meet its objectives of Quality Teaching, Research and Service.

Staffing Position of Department as at September 2001

Academic/Research Staff	2
Senior Staff	3
Junior Staff	3
Courses Taught/Number of Students	
Level 400 (UGMS)	96
(UDS)	11
Diploma in Medical Lab. Technology -	13

Postgraduate Teaching

West African College of Physicians and Surgeons – Primaries, Part I and Part II.

Research

Ekem, I.

- Collaborative work with the Department of Child Health and Noguchi Memorial Institute of Medical Research. Acute Intravascular haemolysis in childhood malaria.
- University of Washington, Kurume and Ghana Medical School. Haptoglobin and malaria – evaluation of the genetic basis for the HPO phenotype in Ghana

Acquaye, J.K.

- Red cell antigens in the Akan of Ghana

Publications**Acquaye J.K., and Tettey, Donkor D.**

- Frequency of Hepatitis C virus antibodies and elevated alanine transaminase levels in Ghanaian Blood Donors. WAJM 2000, 19, 239-241.

Ekem I.

- Haematological malignance in Korle-Bu Teaching Hospital (Abs.) XVth meetings of the International Society of Haematology, Final Programme and Abstracts pp150.

Conferences/Seminars/Workshops Attended**Acquaye, J.K. and Ekem, I.**

- Millenium Annual General and Scientific Meeting of the West African College of Physicians November 13 - 17, 2000 Monrovia, Liberia. Paper presented by Dr. Ekem Ivy. Acute Leukaemia in Korle-Bu, Accra, Ghana.

Ekem, I.

- Effective Administration of Department and Units. 20th March 2001, UGMS.
- Cancer Registry Workshop 23rd – 25th July, 2001, Korle-Bu Teaching Hospital.

Acquaye, J.K.

- 15th Congress of the International Society of and Dr. Ivy Ekem Haematology; Durban, South Africa. 18th – 23rd September 1999.
Paper: Acquaye J.K., Asibey-Berko E., Agble S., Kwashie K. A study of the magnitude of anaemia in Ghana. Poster presented. Ekem Ivy Haematological malignancies in Korle-Bu Teaching Hospital.

DEPARTMENT OF MEDICAL BIOCHEMISTRY**Overview**

The Department continued to pursue its objectives to provide high quality teaching, research and service. Morale has been very high following the formal change of name from Department of Biochemistry to Medical Biochemistry. With this change, the Department also became separated from the Department of Biochemistry, Legon and gained full autonomy.

Courses

The usual undergraduate (Level 300), Postgraduate (MPhil.) and the FWACP and FWACS Primary courses were run. A Remedial Course was also organized for students from the University of Development Studies.

The following student numbers were recorded for the various courses.

Courses	Number of Students
Level 300	104
MPhil. Part 1	6
Postgraduates preparing for the Primary FWACP/FWACS STAFF	16

Staff at post continued to serve on various Boards and Committees of the School and the University. Some served as referees for Scientific Publications such as the *Ghana Medical Journal*.

Academic Staff:	5 (1 on leave of absence)
Senior Staff	4
Junior Staff	2

Dr. S. Asante-Poku, the former Head of Department was appointed the Director of Medical Education Unit of the College of Health Sciences. Dr. Asante-Poku, however, continues to play a leading role in departmental activities as a senior lecturer. Dr. S. Y. Opong was appointed the Ag. Head of Department.

Research

Research during the session continued in the area of interethnic disposition of drugs and Nutritional and Energy Balance in Health and Disease. Sadly, our molecular biology and newborn screening studies which started so well suffered a setback with the loss of all our primers and enzymes due to the frequent power cuts.

For any sustained molecular biology studies, the Medical School will have to redouble its efforts at providing a stand-by generator for the Basic Science Building.

Research Collaboration

Fischer-Bosch, Margarate

- Interethnic Disposition of Drugs: Institute of Clinical Pharmacology, Stuttgart Germany - Debrisoquine/Sparteine

New York VA Hospital, New York, USA

- Allelic Frequency of Transthyretin Val 122 Ile in West African Newborns

Publications

Asante-Poku, S., Mathias Schwab et al.

- Over-dominance of the High P-glycoprotein Expression Genotype C3435T of the MDR1 Polymorphism in Africans. *Lancet* August 4, 2001

Conferences/Seminars/Workshops

Faculty Members of the Department attended useful Conferences, Seminars and Workshops.

Asante-Poku, S.

- Seminar on Effective Administration of Department and Units. March 20, 2001, UGMS, Korle-Bu.
- 2nd Workshop on Teaching Methodology. August 28 – 30, 2001, UGMS – Korle-Bu

Opping, S. Y.

- Seminar on Effective Administration of Department and Unit. March 20, 2001, UGMS – Korle-Bu

Dzudzor, Bartholomew

- 2nd Workshop on Teaching Methodology. August 28 – 30, 2001, UGMS – Korle-Bu

Ayite, Nii Aryee

- 2nd Workshop on Teaching Methodology. August 28 – 30, 2001, UGMS – Korle-Bu.

DEPARTMENT OF MEDICINE AND THERAPEUTICS

Overview

The Department of Medicine and Therapeutics, the second largest department in the Medical School, has 4 units of general medicine with a total of 15 Senior Members. The Department runs courses for undergraduates in their clinical years and also for postgraduates working for higher professional examinations. All Senior Members are also engaged in various research projects in addition to a very heavy service load which entails supervising the day to day activities of a very busy emergency and referral hospital.

Staffing positing of Department as at September 2000

Academic/Research	15
Senior Staff	5
Junior Staff	6

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 ran the following courses:

1. **Introductory Course – Clinical Medicine**
1st Clinical Year - 4 weeks
This course consisted of daily 1-hour lectures followed by clinical demonstration on the ward in 2 sessions (morning – 2 hours, afternoon – 3 hours).
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 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 outpatient 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 Medicine & Surgery	78
(b) Junior Clerkship in Medicine/Surgery	78
(c) Senior Clerkship in Medicine	73
(d) Dermatology Course	70
(e) Postgraduate Course in Internal Medicine	10

Research

Owusu, S.K.

- Diabetes Mellitus : Care and Education Gestation Diabetes
- Thyroid Diseases : Management

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 syndromes
Sick Sinus Syndrome
Holter Monitoring

Nkrumah, K. N.

- Upper Gastrointestinal Endoscopy in peptic ulcer disease and chronic upper abdominal pains.
- Fibreoptic Colonoscopy in suspected Inflammatory bowel disease.
- Proposed Study : A prospective study of Hepatitis B & C viral markers among at risk employees and of patients with jaundice at Korle Bu Teaching Hospital (with Prof. J.A.A. Mingle)
- Proposed Study – Therapeutic Trial of ULCERPLEX, a herbal preparation for peptic ulcer disease.
- Faecal pancreatic elastase – 1 in suspected chronic pancreatitis.

Mate-Kole, M. O.

- Glomerulonephritis in Ghana, causes and natural history.
- Chronic Renal Failure, etiology, the size of the problem
- Lupus Nephritis in Ghana.

Addo, H.A.

- Contact Allergic Dermatitis in Ghanaians
Tinea Infections in School Children.

Affram, R. K.

- Chronic Renal Failure, The Size of the Problem
Hypertension and Renal Disease
Connective Tissue Disorders
Diseases of the Elderly
HIV/AIDS

Amoah, A.G.B.

- Search for susceptible genes for Type 2 diabetes in people of African Ancestry
- Cardiovascular Disease Risk, Fasting and stimulated insulin, C-peptide profiles, insulin resistance and the Metabolic syndrome (Syndrome X) in Africans

- Occurrence and Determinants of hypertension in adult Ghanaians.
- Correlates of obesity in adult Ghanaians
- Pathogenesis and determinants of Type 2 diabetes in Africans

Nyame, P. K.

- Strokes

Forson, Audrey

- Study of Antibiotic Prescribing Habits of doctors in a teaching hospital.
- Proposed Study: Assessment of the clinical effect of Aqueous extract of *Desmodium odscendens* in the management of mild to moderate asthma.

Ofei, F.

- National Prescription Survey (On-going)
- Endocrine disorders in Ghana (On-going)
- Metabolic syndrome X (New)
- Pharmacovigilance & Adverse Drug Events Reporting (On-going)
- Diabetes Foot Study (On-going)

Conferences/Seminars/Workshops Attended

Owusu, S.K.

- Annual General Meeting of the West African College of Physicians, Monrovia, Liberia. November 13 – 18, 2000.
- Seminar for Newly qualified Doctors in Medical Practice, held at the Korle Bu Teaching Hospital, Accra, April 25, 2001. Paper: What is good medical practice?

Kpodonu, J.

- Seminar/Scientific Meeting on HIV, Accra, 2000.

Nkrumah, K. N.

- Panel Member: Ghana National Drug Programme: Revision of Standard Treatment Guidelines.
- Annual General Meeting of West Africa College of Physicians, Monrovia, Liberia November 2000.
- Pan Arab Gastroenterology Congress, Khartoum, Sudan. February 10 – 14 2001.

Mate-Kole, M. O.

- CME Course – Renal Biopsy in Medical Diseases of the Kidneys 20 - 23, 2000, Columbia University College of Physicians and Surgeons.
- African Renal Pathology Course: Joint KRA-KACP-ISN-AFRAN. The Ages Khan Hospital, Nairobi, October 30 – November 2, 2000.

Addo, H. A.

- British Association of Dermatologists Annual General Meeting in London, 11 – 15th July 2000.
- Seminar on Infectious Diseases Organized by Ghana Medical and Dental Council at Noguchi Memorial Institute, July 31 – August 1, 2001. Paper – Common Skin Infections and Infestations.

Amoah, A.G.B.

- (2000) 17th International Diabetes Federation Congress in Mexico, November 2000, in recognition of his work in establishing Diabetes Care and Education Programme. Paper – "Optimizing Diabetes Care in Situations Where Resources Are Limited" at the invitation of the Scientific committee of Mexico 2000. In addition, presented a poster: "Diabetes in Ghana: A Community Prevalence Study Using ADA and WHO Criteria", Mexico, 2000.
- Dedication of National Genome Centre at Howard University, Washington DC, USA, May 2001.
- World Health Organization Headquarters: Innovative Care for Chronic Diseases Initiative, World Health Organization, Geneva, May/June 2001. I was a Consultant (Temporary) for WHO at the meeting. Also gave a presentation: "Innovative Care for Chronic Conditions – A Diabetes Management Case Study from Ghana".
- Postgraduate Seminar, College of Health Sciences, University of Ghana, March 2001. Gave a lecture: "Rational Basis for the Aggressive Treatment of Diabetes with Particular Reference to Type 2 Diabetes".
- International Society for Hypertension in Blacks (ISHIB 2001), Las Vegas, July 2001. Presented 2 Posters: "Hypertension in Ghana: A Cross-sectional Community Prevalence Study in Urban and Rural Greater Accra". "Insulin Resistance and Cardiovascular Risk Factors in Native Ghanaians: A Community based Study" Presented a Paper (Blue ribbon) at a plenary session: "Cardiovascular Risk factors and insulin resistance".
- At the conference, I was elected to serve as a Director on the Board of Trustees of the International Society for Hypertension in Blacks (ISHIB).
- Minority Medical Students Program, University of Virginia School of Medicine, Charlottesville, Virginia, July 2001. Presented a lecture: "Insulin Resistance and Cardiovascular Risk factors in Africans and other Minority Populations".

Nyame, P. K.

- Seminar on Managed Care – Harvard University School of Public Health, August 2000.
- Fourth International Conference on Medical Regulation, Oxford, September 26-29, 2000.
- 5-year Programme of Work – Ministry of Health and Partners on Strategy for 2001-2006, June 2001, Accra.
- Annual General and Scientific Meeting of West African College of Physicians,

- November 2000 in Monrovia.
- Workshop on Health and Microeconomics in Bellagio, Italy, February 2001
- Workshop on Ethics for doctors and Dentists, Korle Bu, Accra, April 2001.
- Workshop on Onchocerciasis, Noguchi Memorial Institute for Medical Research (NMIMR), July 2001
- Seminar on Infectious Diseases, NMIMR, July 31 – August 1, 2001.
- Workshop on Tuberculosis, NMIMR, August 13-14, 2001.

Ofei, F.

- 7th Pan African Diabetes Congress, Casablanca, Morocco, May 24-26, 2001. Role: Title of Paper: Delivery of Diabetes Health Care: multidisciplinary approach Chaired Session on: Diabetes Foot Complication.
- WHO Expert Meeting on Life Course and Health. Annecy, France, May 2-4, 2001. Role: Invited Expert.
- Workshop on Diabetes, Hypertension and Heart Failure, Dubai, United Arab Emirates, March 7-9, 2001. Role: Participant.
- Third African Pharmacotherapy Teaching Course, Cape Town, South Africa. November 22 - December 4, 2000. Role: Course Facilitator.
- 17th International Diabetes Federation Congress, Mexico City, Mexico, November 5-10, 2000. Role: Title of Paper: "Integrating Traditional Healers into Diabetes Care".
- Drug and Therapeutics Committee Training Course, Bangkok, Thailand. June 14 – 22, 2000. Role: Participant
- Seminar on Infectious Diseases – Continuous Professional Development Ghana Medical & Dental Council, NMIMR, Accra, July 31 – August 1, 2001. Role: Talked on Antibiotics.

Publications

Owusu, S. K., Amoah, A.G.B., Acheampong, J.W. et al

- "A National Diabetes Care and Education Programme: The Ghana Model". *Diabetes Research and Clinical Practice* 2000; 49:149-157.

Owusu S.K.

- "The Emerging Challenges of Diabetes Mellitus in Developing Countries: The Way Forward". University of Ghana Medical School Jubilee Faculty Week. Open Lecture delivered on November 9, 1998. (Universities Press Accra, 2001).

Nartey, N.O., Owusu, S.K. and Newmann, M.A. et al.

- "Bilateral Parotitis cervical Lymphadenopathy and Oral Hairy Leukoplakia Presenting as Initial Clinical Manifestation of HIV Infection" *Ghana Dental Journal* 2001; 1: 21-23.

Nyame, P. K. and Mensah, P., Noora, R. and Welbeck, J.,

- "Laboratory Diagnosis of Typhoid Fever in Accra". *Ghana Medical Journal*, Vol. 34 No. 2; 200; 67 – 70.

Nyame P.K. and Wiredu E.K.

- "Trends in Stroke Mortality Seen at the Korle-Bu Teaching Hospital, Accra". *East African Medical Journal*, April 2000.

Nkrumah, K. N., Aduful, H.K., Naaeder, S.B., Darko, R., Baako, B.N.,

Clegg-Lampsey, J.N.A. and Quartey-Papafio, J.B.

- "Audit of Upper Gastrointestinal endoscopy in the Korle Bu Teaching Hospital". Abstract *West African Journal of Medicine*, Vol . 19 No. 3, July – September 2000, p. 172.

Nkrumah, K.N.

- "Endoscopic Evaluation of Upper Abdominal Symptoms in Adult Patients", Saudi Aramco Al Hasa Health Center, Saudi Arabia. Accepted for publication. *West African Journal of Medicine*, May 2001.

Mate-Kole, M.O., Addy, J.H. and Affram, R.K.

- "Fatal Acute Renal Following Copper Sulphate Nephrotoxicity". Accepted for publication, *Ghana Medical Journal*, July 2001.

Ofei, F.

- Co-Author & Expert Committee Member Standard treatment Guidelines. Ministry of (GNDP), Ghana 2000.
- "Preliminary Study of Selfcare Behaviour Among Ghanaians with Diabetes Mellitus". *Ghana Medical Journal* (Reviewers comments incorporated and resubmitted for publication).

Kpodonu, J., William, S.M., Addy, J.H., Phillips III, J.A., Dai, M.,

Afful, J., Jackson H., Joseph, K., Murray, M.M., Epperson, P.,

Aduonum, A., Wong L-J, Jose P.A. and Felder RA.

- "Combination of Variations in Multiple Genes are Associated with Hypertension", *Hypertension*, 2000; 36 : 2-6
- "Myocardial Infarction in Ghanaian Blacks", *Epidemiology* (to be submitted)
- "Myocardial Infarction in Ghanaian Blacks: Clinical Presentation and Outcome" (to be submitted)

Addo, H. A.

- "Squamous Cell Carcinoma Associated with Prolonged Bleaching." *Ghana Medical Journal* 34(3) p. 144, 2000.
- Closed Patch Test Reactions in Ghanaian Subjects with Suspected Contact Dermatitis" – Submitted to *Ghana Medical Journal* for publication.

Amoah, A.G.B. and Kallen, C.

- "Aetiology of Heart Failure as Seen from a National Cardiac Referral Centre in Africa" *Cardiology*, 2000; 33; 11-18.

Amoah, A.G.B. et al

- "A National Diabetes Care and Education Programme: The Ghana Model" *Diab Res. Clin Pract.*, 2000; 49: 149-157.
- "Minimal Model Analyses of Beta Cell Secretion, Insulin Sensitivity and Glucose Effectiveness in Glucose Tolerant, Non-diabetic First Degree Relatives of Ghanaian Patients with Type 2 Diabetic Patients and Healthy Control Subjects". *Ethnicity and Disease*, 2001; 11: 201-10.
- "Spectrum of Cardiovascular Diseases in Ghanaians". Accepted for publication in the December 2000 issue of *East African Medical Journal*.
- "Rupture and Repair of Sinus of Valsalva Aneurysm". *East African Medical Journal*.

Amoah, A.G.B. et al, Rotimi, C.N., Dunston, G.M., Berg, K. and Akinsete, O.

- "In Search of Susceptibility Genes for Types 2 Diabetes Mellitus in West Africa: The Design and Results of the First Phase of the AADM Study" *Ann Epidemiol.* 2000; 10; 417-423.

Published Abstracts

Amoah A.G.B.

- "Hypertension in Ghana: A Cross-sectional Community Prevalence Study in Urban and Rural Greater Accra" *Ethnicity and Disease*, Vol. 11; 006-; 2001.

Amoah, A.G.B, Osei K. Schuster D.P, and Gaillard T.

- "Insulin Resistance and Cardiovascular Risk Factors in Native Ghanaians: A Community-based Study". *Ethnicity and Disease*, Vol. 11; 007; 2001.

Affram, R. K.

- M.O. Mate-Kole; J.H. Addy, R.K. Affram. Fatal Acute Renal Failure Following Copper Sulphate Nephrotoxicity. *Ghana Med. J.* 2001 Vol. 35, (2): 96-97.

DEPARTMENT OF MICROBIOLOGY

Overview

From September 2000 to August 2001, the department of Microbiology offered courses to diploma students, under graduates and post- graduates. We also offered remedial teaching to a batch of medical students from University of Development Studies (Tamale).

Staff carried out research in several areas of Virology & Bacteriology. We also had collaborative research with other departments in the Medical School - Child Health, Ophthalmology and Obstetrics and Gynaecology.

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 benefitted from these services.

Although we have managed to successfully complete teaching of all courses, the workload on staff was very high, a situation made worse by the serious illness of one professor.

Staffing Position as at September 2000/2001

Senior Members	6
Senior Staff	14
Junior Staff	9

Two Senior Staff members are on leave without pay.

Courses Taught/Number of Students

Courses	No. of Students
BSc. Medical. Sciences	95
BSc. Nursing	55
Diploma in Anaesthesia	9
Dip. Medical Lab. Technology	12
Mphil Biomedical Sciences	1
Ph. D	- 2

Staff List

Dr. Mercy J. Newman	Head of Department (Bacteriology)
Prof Reginald K Anteson	Parasitology Unit (On contract)
Mr. Patrick F. Ayeh-Kumi	Parasitology Unit (On study leave)
Prof Julius A.A. Mingle	Virology Unit (On contract)
Dr. Theophilus K Adiku	Virology Unit
Mr. Kwamena W.C. Sagoe	

Research in the Department

1. Prevalence of neonatal infections
2. Surveillance of Streptococcus group B in the genital tract of pregnant women
3. Normal flora of the throat
4. Final phase of the study of fungi eye infections in Ghana, in collaboration with Prof. Gordon Johnson - Institute of Ophthalmology, London.
5. Nosocomial infections in Korle Bu Teaching Hospital
6. Frequencies, numbers and receptor chain repertoire of X and T- cells in Burkitt's lymphoma.

7. Study on prevalence of rubella infections and rubella-associated embryopathy in two West African communities: Accra (Ghana) and Ibadan (Nigeria)
8. Aetiology and pre-disposing factors influencing the severity of acute lower respiratory tract infections among children less than five years in Accra, Ghana. This project involves isolation and identification of viral and bacterial agents involved in this disease.
9. A prospective survey of cryptosporidiosis in HIV/AIDS patients and children/adults with diarrhoea in Ghana. This study is aimed at defining clinical aspects of disease symptoms of human cryptosporidiosis in Ghanaian children, adult and HIV/AIDS patients. It is also aimed at determining the seasonal influence on the prevalence of cryptosporidiosis, as well as the frequency and type of concomitant enteropathogen association with cryptosporidium infection in these patients.
10. Development of potential candidate antigens for protection against schistosomiasis.
11. Serogenetic analysis of HIV in blood donors – a study to prevent post-transfusion HIV infections (A student undertaking the Diploma in Medical Laboratory Technology Course has completed a preliminary study, as his project work- Title: Qualitative assessment of anti-HIV screening of blood donors at the Korle Bu Teaching Hospital, Accra, Ghana)
12. Molecular virology of blood borne viruses, especially retroviruses and hepatitis viruses, with emphasis on genetic variability and its implications for epidemiology, sero-diagnosis, pathogenesis, immune responses and vaccine design.

Conferences/Seminars/Workshops Attended

Newman, M. J.

- 42nd Annual General Meeting of Ghana Medical Association, November 8-13, 2000, Takoradi, Ghana.
- 25th Annual General Meeting of West African College of Physicians, November 13-17, 2000, Monrovia, Liberia
- Quality Assurance Training of Trainers Workshop January 21- 27, 2001, Accra.
- Workshop on Health Writing, May 14, 2001 – University of Ghana Medical School.
- 34th Annual General Meeting of PPAG, May 24-26, Accra. Theme: - Sexual Health For Quality Life
- Quality Assurance Management Methods for Developing Countries. John Hopkins University, U S A., June 14- 15, 2001
- MAAP I Program, University of Virginia Health System, July 9, 2001. Lecture: Practice of medicine in developing countries.

Mingle, J.A.A.

- Chairman, Workshop on HIV Testing and Quality Control in Ghana - NMIMR, February 6, 2001.

Adiku, T.K.

- Workshop on HIV testing and quality control in Ghana at Noguchi Memorial Institute for Medical Research, Legon, February 6, 2001.
- Two day seminar aimed at disseminating information on HIV research and practical approaches towards HIV/AIDS/STD prevention, March 1-2, 2001, Noguchi Conference Hall, Legon, Accra.

Sagoe, K.W.C.

- Workshop on HIV testing and quality control in Ghana. Noguchi Memorial Institute For Medical Research, University of Ghana, Legon, February 6, 2001.
- Conference on Sustainable Development in Africa, St. Louis, Missouri, May 2-4, 2001.

Publications**Newman, Mercy J.**

- Infection Control in Africa South of the Sahara. *Infection Control and Hospital Epidemiology*, 2001; 22; 68 - 69.
- Serotypes and Antibigram of Shigella Species in Accra. *Ghana Medical Journal*, 2001; 35; 26 -32

Extension Work**Newman, Mercy J**

- Examiner – West African College of Physicians
- External Examiner –School of Medical Sciences, KNUST, Kumasi
- Chairperson – Infection Control Committee Korle Bu Hospital
- Editor – Ghana Medical Journal
- Planned Parenthood Association Ghana – Council Member
- Christian Services Committee- Ridge Church, Accra – Member
- Prison Advisory Committee Accra – Member

Mingle, J.A.A.

- External Examiner in Microbiology – School of Medical Sciences, KNUST
- Member, National Certification Committee of Poliomyelitis Eradication for Africa Region

Visitors

Prof. Emmet A. Dennis
Vice President for Student Affairs
Rutgers University – New Jersey

Benefactors

Prof. Richard Guarrant of University of Virginia, Charlottesville made a donation of 2 volumes of books to the Department.

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

Overview

Teaching and training of undergraduate medical students and postgraduate doctors continue to be the main objective of the Department. In addition to the academic work, the Department offers obstetric and gynaecological services to the patients who attend the Korle Bu Teaching Hospital. Since July 1997, some Senior Members have been offering specialist services to the Legon Hospital.

Courses Taught/No. of Students

MB. ChB PART 1 – 70 Students

The medical students were divided into two groups, namely, junior and senior clerkships for specific courses including lectures, seminars, tutorials, ward rounds, bedside teaching and emergency duties. Before the medical students took the Final Part I MB. ChB examination, they were given two weeks revision course.

Out of the 16 postgraduate doctors five (5) passed the Final Part II Fellow of the West African College of Surgeons (FWACS) examination in April 2001. The Department has therefore produced 5 more specialist doctors for Ghana. Consequently, one of the successful candidates, Dr. Patrick Frimpong, has been transferred to the La Polyclinic as in-charge of the Obstetrics & Gynaecology Unit of the Polyclinic. Dr. E.K. Srofenyoh is currently on attachment for his district rotation at Nkawkaw Holy Family Hospital for six months.

Senior Members

Dr. E.Y. Kwawukume	Senior Lecturer/Head of Department
Prof. C.A. Klufio	Associate Professor
Dr. J.B. Wilson	Senior Lecturer
Dr. A.H.K. Collison	Senior Lecturer
Dr. J.O. Armah	Senior Lecturer
Dr. A.T. Lassey	Senior Lecturer
Dr. K.A. Apea-Kubi	Lecturer
Dr. B.D.R.T. Annan	Lecturer
Dr. K. Nkyekyer	Lecturer
Dr. E.N. Mahama	Lecturer
Dr. R.A. Kwame-Aryee	Lecturer
Dr. S.A. Obed	Lecturer
Dr. J.D. Seffah	Lecturer

- "Indications for Caesarean Section and Foetal Weight" – A Preliminary Report, (In Print), *West African Journal of Medicine*.

**Jumah, K.B., Brakohiapa, W.O., Obajimi, M.O.,
Armah, J.O., Seffah, J.D. and Kragt, J.**

- Training of non-radiologist medical officers in Ultrasound in Ghana, *Ghana Medical Journal*, June 2001, Vol. 35 No. 2 pp. 66-68.

Conferences/Seminars/Workshops

West African College of Surgeons in Mauritania.

Visitors

Prof. A. Omigbodun	Postgraduate Revision Course
Dr. E.E. Emuveyan	Postgraduate Revision

Award

The Department was presented with Certificate of Excellence as the Best Department: Clinical Sciences – Obstetrics/Gynaecology for the year under review.

The award was presented by the University of Ghana Medical Students Association (UGMSA)

DEPARTMENT OF PATHOLOGY

Overview

The past was a very busy one for the Department with increased student and course loads and active research work. Our service workload, especially in cytology, increased considerably. All Senior Members were heavily involved in extension service.

Staff position of the Department

The staffing situation did not improve in the year. The recommended staffing level is 14 Senior Members. The current position is as follows:

Senior Members	5
Senior Staff	3
Junior Staff	5

Courses Taught

Level 400 B.Sc. Med Sc.	98
MB ChB (Part I) Forensic Pathology	70
MB ChB (Part II) Autopsy Pathology	78
DMLT	5
BSc/BA Nursing	43

Number of students

Postgraduate (Residency) Programme	8
M.Phil Biomedical Science Programme	5
Postgraduates (Residents) from other Departments	1

The Department successfully completed all academic programmes for the year. Prof. J.O. Thomas from the University College Hospital, Ibadan was our external examiner.

Research

There has been a lot of research activity with several protocols submitted for approval and ethical consideration. Work has begun on a series of projects in the use of antibodies in tuberculosis diagnosis. A major study into stroke mortality was also undertaken. Work continues on the following:

1. Postmortem as an epidemiological tool
2. Causes of cardiomegaly in Ghana
3. Prevalence of uterine fibroids – an autopsy study
4. Cancer morbidity and mortality
5. Immunopathology of malaria
6. Tuberculosis

Publications

Akosa, A.B., Ampadu, F.O, and Gyasi, R.K.

- "Gestational Trophoblastic Disease: A Review of Complete Hydatidiform Moles in Ghana". *Ghana Medical Journal*, 2001;35:85-89.

Wiredu E.K. and Nyame, P.

- "Pattern of Stroke Mortality in Accra". *East Africa Medical Journal*, April 2001

Papers accepted for Publication

Gyasi, R.K., Ampadu F.O. and Akosa, A.B.

- "A Review of Choriocarcinomas in Ghana". *Ghana Medical Journal*.

Abdulai A.E., Gyasi, R.K.

- "Ameloblastomas of the Jaw in Korle Bu Teaching Hospital: Analysis of 48 Cases". *Ghana Medical Journal*.

Wiredu, E.K. and Nyame, P.

- "Risk factors in Stroke Mortality". *Ghana Medical Journal*.

Two Senior Members were external examiners for School of Medical Sciences, KNUST: Dr. E.K. Wiredu for B.Sc. Biological Sciences and Dr. R.K. Gyasi for Special Pathology.

Senior Members continue to be very active in the West African College of Physicians. Prof. A.B. Akosa, Drs. E.K. Wiredu, Y. Tettey and R.K. Gyasi attended the Millennium A.G.S.M. in Monrovia, Liberia. Dr. Y. Tettey was elected the Secretary General of the College and Dr. E.K. Wiredu Secretary of the College Faculty of Laboratory Medicine. Dr. E.K. Wiredu is currently the Ghana Chapter Chairman of the Faculty of Laboratory Medicine and Chapter General Secretary while Dr. Gyasi is the Chapter Faculty Secretary of Lab. Medicine.

Dr. Y. Tettey was examiner in Histopathology Exams of the College of Physicians while Prof. A.B. Akosa and Dr. E.K. Wiredu examined in the Primary Examinations of the West African College of Surgeons in General Surgery.

Drs. E.K. Wiredu and R.K. Gyasi developed the curriculum and programme structure in Laboratory Medicine for the proposed Ghana Medical Postgraduate College.

Senior members served on various policy-formulating committees of the Ministry of Health. Prof. Akosa was nominated by the President of Ghana to serve on the Presidential Commission of Enquiry into the Accra stadium disaster. Dr. E.K. Wiredu was appointed acting Dean of the School of Allied Health Sciences.

DEPARTMENT OF PHARMACOLOGY

Overview

The 2000/2001 Academic year was uneventful, permitting the academic programme to be completed on schedule. The growth rate, in terms of development, was better than that of last year: the department was connected to the Internet and the post-graduate programme was commenced.

The Department reviewed its teaching programme and courses, at least thrice during the year, and has submitted a proposal for redesignation of courses and increased number of credits.

Staffing Position of Department as at September 2000

Academic/Research Staff	7
Senior Staff	4
Junior Staff	2

Courses Taught/Number of Students

Course	Number of Students
Medicine	
B.Sc. (Medical Science) Level 400	98
Residency Programme	
Part 1 FWACP FWACS	13

Research

- (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

None

Conferences/Seminars/Workshops

Prempeh, A.A.B.A., Bogyei, K. and Sackeyfio, A.C.

- Seminar on effective administration of Departments and Units; UGMS, Korle-Bu. March 20, 2001.
- Seminar on Research Proposal Writing; NMIMR, Accra, August 14-16, 2001.
- Launching of National Centre for Pharmacovigilance; Accra

Bogyei, K., Asiedu-Gyekye, Prempeh, A.B.A.

- 22nd Biennial Conference of the Ghana Science Association; Cape-Coast, August 5-9, 2001.

Bogyei, K.

- WHO International Seminar on Poisons and Poisoning, Frankfurt, Germany, November 6-17, 2000.

Benefactions

National Investment Bank donated two Pentium III Personal Computers to the Department.

Visitors

Dr. Olumide A.T. Ogundahunsi, Department of Pharmacology, University of Ibadan, Nigeria, served as External Examiner for the B.Sc. (medical Science) Level 400 Examination in Pharmacology.

DEPARTMENT OF PHYSIOLOGY

Overview

We are working to receive help in teaching from Australia (Prof. George Kweifio-Okai) and the USA (Prof. Dexter F. Speck) in the year 2002. Prof. Addae has gracefully accepted to be with us for another year. Dr. Hesse is back from his two year sabbatical leave.

In our 1998/99 report this Department called for a special attention to be directed to it but this call apparently was not loud enough to be heard.

Staffing Position of Department as at September 2000

Academic Staff

Professor	1 (on contract)
Senior Lecturers	2
Lecturer	1
Research Staff	1 (on study leave)

Senior Staff

Chief Technician	1
Principal Technician	1

Junior Staff

Assistant Technician	1
Secretary	1
Messenger	1

Courses Taught/Number of Students

Course	No. of Students
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BSc (Medical Science) Level 300	
PHYG 301	103
PHYG 302	103
PHYG 304	103
PHYG 306	103
PHYG 308	103

University of Development Studies (UDS) Level 300	
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PHYG 301 – 308	11
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Diploma in Medical Laboratory Technology	
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PHYG 001 - 8	13
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Research

- The reno-humoral basis of familial hypertension in the Ghanaian.
- Effect of exercise on respiratory function in Ghanaian Children.
- Sensorineural Hearing Loss in "At Risk" Ghana Patients

Publications

Hesse, I.F.A.

- "Incidence of Hypertension in a Ghanaian Prison. *Ghana Medical Journal*. 1998; 32a: 935-940

Antwi, D.A.

- "A Study of Physical Activity and Plasma Cholesterol in Ghanaian Males Using a Single Question. *Ghana Medical Journal*, 2001; 35: 09855-0328

Conferences/Seminars/Workshops Attended

Nil

Visitors

None

DEPARTMENT OF PSYCHIATRY

Overview

The Academic Department of Psychiatry continues to be located in the Accra Psychiatric Hospital, Asylum Down with the usual attendant problems. However, with the increasing intake of students at the Medical School, the Medical School has embarked on improving teaching facilities at the Accra Psychiatric Hospital for our students.

Staffing Position as at September 2000

Dr. I. Ewusi-Mensah returned from his leave of absence without pay, to contribute to the teaching of General Adult Psychiatry. Dr. Angela Ofori-Atta has extended her leave of absence without pay to 31st August 2002. Unfortunately there has been no new recruitment to beef up staff.

The current staffing situation is as follows:-

One Associate Professor on Contract	Dr. S.N.A. Turkson
One Associate Professor on Part-time	Dr. C.C. Adomakoh
Two Senior Lecturers	Dr. Isaac Ewusi-Mensah and Dr. Araba Sefa-Dedeh, Clinical Psychologist
Two Lecturers	Dr. Sammy Ohene Dr. Angela L. Ofori-Atta

These are assisted by Mr. Nortey Dua, Senior Research Assistant.

However, student numbers continue to increase.

Courses Taught:	Student Numbers
• Psychosocial Paediatrics (Child Psychiatry)	70
• Dept. of Medicine (Medical Ethics)	70
• Structured Lectures at Korle Bu (1 hr/week for 20 weeks)	70
• Tutorials at the Accra Psychiatric Hospital	

Junior Clerkship

70

6_ hours per week for 24 weeks: Three groups on 8 weekly rotations.

Senior Clerkship

73

5 hours per day for 4 weeks

- | | | |
|-----------------------|-------|-------|
| • Clinical Psychology | JC 70 | SC 73 |
| Psych. 201 | | 106 |
| Community Health | | 70 |

Research

Whilst each Senior Member has pursued individual research of his/her own special interest, I am pleased to report that research activities have increased in the Department during the year under review and all research activities are relevant to Psychiatry in this country and the sub-region.

These include:

1. AUDIT study of alcohol use and abuse in Accra (Ghana).
2. Societal and Health Aspects of alcohol abuse in Ghana.
3. Childhood and Adolescent Epilepsy in Ghana – Revisited
4. Youth First Episode Psychosis Prevention and Intervention.
5. Depressive Disorders in Accra (Ghana): common core symptomatology.
6. Belief systems in Ghana and Psychiatric Disorders
7. Children formally referred to a General Adult Psychiatric Service

Continuing work in the Department – Continuous Mental Health Education to the General Public.

Prof. S.N.A. Turkson was appointed to act as External Examiner/Moderator University Examinations in Behavioural Sciences and Psychiatry of the University of Sciences and Technology, Kumasi in the year under review.

Publications

Ewusi-Mensah, I.

- "A computerized Tomography Study of Brain Atrophy and Liver Disease in Alcoholics" – submitted to *BMJ* for consideration.
- "Neuroleptic Malignant Syndrome – A Case Study". Submitted for publication in *American Journal of Psychiatry*.
- "Abolishing Self-Injurious Behaviour (S.I.B.) with an Opiate Antagonist". Submitted to *Ghana Medical Journal* for publication

Conferences/Workshops/Seminars attended

Ohene, S.

- The American Psychiatrist Association Annual General/Scientific Meeting

in May 2001

Benefactions

A number of Psychiatry Textbooks and Journals to replenish our Library and Teaching Aids from our postgraduate students abroad, who had started their Psychiatry training from the Department notably among them are Dr. V.C. Doku, Dr. D. Gboloo-Teye and Paul Koranteng.

DEPARTMENT OF RADIOLOGY

Overview

The Department of Radiology at the Korle – Bu Teaching Hospital has four (4) general purposes: radiography equipment, tomography unit, 3 fluoroscopic screening machines, angiography, ultrasound and Computed tomography CT suite. In addition, the chest clinic and the Korle–Bu Polyclinic have general-purpose equipment. There are two mobile machines and one dental equipment.

Staffing Position as at September, 1997

Academic/Research Staff	3	(Prof. K.B. Jumah) (Dr. A.A.Yeboah) (Dr. W.O. Brakohiapa) [Contract]
Senior Staff	Nil	
Junior Staff	One	

Courses Taught/No. of Students

Course	No. of Students
Level 300	Nil
Level 400	Nil
1st Clinical Year	Nil
MB Ch B Pt I	80
MB Ch B Pt II	80

Research

Jumah, K.B.

- Bone Age Atlas in West Africans
- Atlas in Tropical Radiology

Yeboah, A.A.

- Value of Brain CT in patients with seizures

Publications 2000/2001

Jumah, K. B., Nyame, P.K and Adjei, S.

- "Computerised Tomography Scan of the Head in the Evaluation of Strokes in Ghanaians". *East African Medical Journal*. Vol. 75, No. 11, November 1998.

Jumah, K. B., Badoe, E.A and Acheampong E.Q.

- "Principles and Practice of Surgery Including Pathology in the Tropics" Chapter on Ultrasound Scanning, Computerised Tomography and Magnetic Resonance Imaging.
- "Guidelines in Radiation Protection". Ghana Atomic Energy Commission and the International Atomic Energy Commission – Co-editor

Jumah, K.B. and Yeboah, A.A

- "Hirsprung's Disease in Ghanaian Children: A Ten-year Review" – *2001 Year Book of Paediatric Radiology. Current Problems of Paediatric Radiology* Vol. 12 – 13, Feb. 2001:3 –7
- "Case Report – Calcification of Posterior Urethral Valve: A Ten-Year Review – *2001 Year Book of Paediatric Radiology Current Problems of Paediatric Radiology*, Vol. 12 – 13, Feb. 2001 : 37 – 39.

Obajimi, M.O. and Jumah K.B. et al

- "Spontaneous Intracranial Haemorrhage: CT Pattern in Accra". Accepted for publication – *West African Journal of Medicine*.

Jumah, K.B., Brakohiapa, W.O., Obajimi, M.D., Armah, J.O. and Seffah, J.D.

- "Training of Non-Radiologist Medical Doctors in Ultrasound in Ghana". *Ghana Medical Journal*, Vol. 35, No. 2, June 2001:66 – 74

Obajimi, M.O., Jumah K.B., Brakohiapa W.O., and Iddrisu, M.

- "Head Injury in Ghanaians – Evaluation by Computed Tomography". *Ghana Medical Journal*, Vol. 35; No. 2 June 2001:69 – 74

Conferences/Seminars/Workshops Attended by Staff and Titles of Papers Read

1. Annual Scientific Meeting, West African College of Surgeons, Nouakchott, Mauritania, February 2001.
2. Co-ordinator for National Training Programme for Obstetrics Ultrasound, October, 2000
3. Radiological Society of North America Conference, Chicago, USA, December, 2000.

Yeboah, A.A.

- Radiological Conference in Abuja, Nigeria – July 2001.

- Paediatric Radiology Conference in Budapest, Hungary, October 2001.

Brakohiapa, W.O.

- Co-ordinator for National Training Programme for Obstetrics Ultrasound 2000
- Teaching the Teacher's Programme in Ultrasonography, Jefferson University, Philadelphia, USA, June 2001.

Sabbatical Leave

Prof. K. B. Jumah is due to start his sabbatical leave on 1st October, 2001, prior to his retirement in October 2002.

DEPARTMENT OF SURGERY

Overview

As in the preceding years, during the year under review, the Department of Surgery braced itself to carry out its main functions of teaching, extension and research successfully.

The headship of the Department changed in January 2001. Prof. S.B. Naaeder, the Head of Department moved up to take up the position of Deputy Provost of the College of Health Sciences. The Department is proud that one of its own is the first Deputy Provost of the College, which in the short period of its existence had made a tremendous impact in post-graduate medical education in Ghana. Prof. Naaeder's experience will certainly help in shaping the College during these formative years.

Prof. K. Frimpong-Boateng, the Director of the National Cardiothoracic Centre (NCTC) took over as new Head of Department.

Staffing situation as at September 2001

There was no significant change in the staffing situation as compared to the previous year. Dr. Dakurah, Lecturer in Neurosurgery returned at the beginning of the year to take up his position in the Department.

There is an acute staffing problem in the Urology Unit. With the exception of Dr. G.O. Klufio, all the urologists in the Department are retired and on contract. Efforts are being made to recruit urologists to fill the vacant positions. Surgical residents are being encouraged to pursue careers in such distressed fields as urology. It is gratifying that some of them have responded positively to these overtures. Dr. J.E. Mensah, a post-part I resident, is taking urology in part II.

Courses taught /number of students

The Department's teaching programme was carried out successfully during the

year. As in previous years the Department of Surgery continued to receive world-wide recognition as evidenced by the increasing number of elective students from Medical Schools all over the world seeking to do their electives in the Department.

The number of students who pursued various courses in the Department is as follows:

Course	Number of students
<u>Undergraduates</u>	
Introductory Course	70
Co-ordinated course (First Clinical Year)	83
Sub-internship	72
Elective students	58
<u>Post-graduate Residents</u>	
Primary	21
Part I FWACS	19
Part II FWACS	9
Completed their Residency Programme	2

Extension Services

Because of degenerating infrastructure in the Department in the face of dwindling resources from official sources, the Department stepped up its income generating activities (IGA) to generate funds to improve infrastructure so as to enhance its extension services.

A Wound Dressing Unit comprising 3 treatment rooms, a sterilization unit, an office and toilet facilities for staff and patients was constructed by the Department. Thus patients who are discharged from hospital and still require wound dressing no longer have to go to the individual wards from where they were discharged but rather go to the Dressing Unit located at the basement of the main surgical block for dressing. This arrangement has helped to drastically reduce the incidence of wound infection on the wards. The Unit also generates some income for the Department.

Outreach services in ENT, Urology, Plastic Surgery and Paediatric Surgery continued during the year. Hospitals covered included those in Cape Coast, Koforidua, Sekondi-Takoradi, Ho, Sunyani and the 37 Military Hospital and the Police Hospital.

Conferences/Seminars/Workshops

Members of the Department attended a number of national and international conferences, seminars and workshops and presented papers.

At the 41st Annual Conference of the West African College of Surgeons held in Nouakchott, Mauritania from 28th January to 2nd February 2001, the

following papers were presented by members from the Department:

Laing, A.G.

- Hand Injuries
- Pectoralis major myocutaneous flap: In-built salvaging advantages.

Baako, B.N.

- Diverticular disease of the colon in Accra.

Darko, R.

- Helicobacter pylori infection of the stomach in Accra: an update.

Klufio, G.O.

- Prostate weight in Ghanaian men with symptomatic BPH: a preliminary report.

Yeboah, E.D.

- Changing pattern of the causes of microscopic and macroscopic haematuria in Ghana.

10th Anniversary of the Ghana Surgical Research Society and 20th Scientific Conference held at the Auditorium of the University of Ghana Medical School, Saturday May 12, 2001.

Theme: Implants in Surgery.

The underlisted papers were presented by members from the Department.

Parkins, G.

- Implants in Maxillo-facial surgery.

Darko, R.

- Implants in General Surgery.

Laing, A.

- Implants in Plastic Surgery

Frimpong-Boateng, K.

- Implants in Cardiothoracic and vascular surgery.

Hesse, A.

- Implants in Paediatric Surgery.

Osei, E.

- Implants in Orthopaedic Surgery.

K. Paintsil

- Reconstruction with myocutaneous Flaps.

Iddrissu, M.I.

- Implants in Neurosurgery.

Yeboah, E.D.

- Implants in Genito-urinary Surgery.

West African College of Surgeons. Post-graduate Revision Course in Surgery, September 2, 2001 to September 3, 2001. Jos University Teaching Hospital, Jos, Nigeria.

Darko, R.

- Intestinal Obstruction
- Minimally Invasive Surgery/Day Case
- Principles of Cancer Surgery
- Surgical Jaundice
- Breast Diseases
- Gastrointestinal Bleeding
- Gall bladder diseases
- Pancreatic Diseases

Archampong, E. G.

- Surgical Infections
- Portal Hypertension
- Thyroid and Parathyroid Diseases
- Peptic Ulcer Disease
- Gastric Tumours
- Colorectal/Anal Tumours
- Principles of management of left-sided large bowel obstruction.
- Principles of management of Abdominal injuries

Yeboah, E.D.

- Benign Prostatic Diseases. BPH and others
- Urethral Strictures
- Urolithiasis

Trauma course 2001, June 4 to June 6 2001, held at the Clinical Lecture Theatre, Korle- Bu Teaching Hospital.

The course was held in cooperation with the Postgraduate Unit, College of Health Sciences, the University of Ghana Medical School and the University

of Southern California, USA.

Osei, E.K.

- Major Disaster and its management
- Management of simple fractures
- Indications for internal fixations
- Management of upper limb fractures
- Indication and Types of Amputations

Badoe, E.A.

- Shock and its management

Frimpong-Boateng, K.

- Chest Injuries and their management.

Baako, B.N.

- Metabolic Response to Trauma

Adu-Aryee, N.A.

- Epidemiology and Socio-economic impact of Trauma in Ghana
- Systemic Response to Trauma
- Patient Transfer protocols
- Trauma in Pregnancy

Aduful, H.K.

- Periferal Vascular Injuries

Kyere, M.

- Diagnosis of Abdominal Trauma
- Soft Tissue Injuries of the Neck

Clegg-Lampsey, J.N.A.

- Special Investigations in Abdominal Trauma

Darko, R.

- Indications for Laparotomy

Kluflo, G.O.

- Diagnosis and management of Injuries of the Kidneys and ureters.
- Diagnosis and management of Bladder injuries

Akafo, S.K.

- Ophthalmic Injuries

Danso-Adams, J.

- Management of injuries of the nose.
- Management of Cut Throat

Laing, A.G.

- Management of soft tissue Injuries
- Management of Burns
- Skin Grafting
- Soft Tissue Injuries of the Face
- Degloving injuries of the scalp and limbs
- Amputations of ears and digits

Addo, A.O.

- Management of Compound Fractures and Wound Debridement
- Indication for external Fixation: Types
- Complications and Pitfalls in Fracture Management
- Hand Injuries

Hesse, A.

- Management of the acutely injured Child

Apeadu-Mensah, W.

- Abdominal Injuries in Children

Paintsil, A.B.

- Management of Electrical Burns
- Local Skin Flaps in Trauma

Ghana Medical Association National Symposium with the Theme: Cardiovascular Emergencies, September 15,200.

Frimpong-Boateng, K.

- Cardiovascular Surgical Emergencies

UGMS Seminars by newly promoted or appointed Senior Members

Frimpong-Boateng, K.

- Surgical Management of Aortic Dissection

Research Activities in the Department of Surgery

Akafo, S.K.

- Diabetic Eye Diseases in Ghana: A Study of diabetic patients of the Diabetic Clinic of the KBTH Outcome
- Trends in causes of Childhood Blindness. Response of Ghanaian Eye top

Argon Laser Trabeculoplasty in the management of chronic open angle glaucoma.

Osei, E.K.

- Prospective Study of the incidence and outcome of management of congenital talipes equinovarus.

Aduful, H.K.

- The use of scoring systems to predict surgical outcome. Prospective study.
- Design of quality of life questionnaire and its application to certain clinical settings.

Naaeder, S.B.

- Outcome of early and advanced breast cancer in Korle-Bu Teaching Hospital

Ackuaku, E.M.

- Vitamin A Deficiency among malnourished children
- Clinical Presentation and management of orbital cullulitis
- Corneal ulcer project: a multicentre collaborative study
- Knowledge of Glaucoma among General Practitioners.

Frimpong-Boateng, K.

- Heart Valve Replacement Surgery : A Review.
- Acquired Tracheomalacia: Management using autologous costal cartilage
- Extracorporeal Circulation and Hypothermia in Sickle Cell Disease: A update.
- Management of Corrosive Oesophageal Strictures

Book Launch

Principles and Practice of Surgery including Pathology in the Tropics, Edited by Badoe E.A., Archampong E.Q. and da Rocha-Afodu J.T.

Visitors

- Prof. Festus Nwako, Past President, West African College of Surgeons
- Okuku Prof. A.A. Out, University of Calabar, Nigeria and Chief Examiner, Primary Fellowship of the West African College of Surgeons
- Prof. J.T. da Rocha-Afodu, West African College of Surgeons
- Dr. Bernard A. Rawlins. Spine Surgeon, Department of Orthopaedics, Wiell Cornell Medical School, USA.
- Dr. Oheneba Boachie-Agyei, FOCUS International USA
- Prof. A. Haverich, Head, Cardiothoracic Surgery, Hannover Medical School, Germany.

MEDICAL SCHOOL LIBRARY

Overview

The University of Ghana Medical School Library continues to serve the health information needs of staff and students of UGMS, the health practitioners of the Korle-Bu Teaching Hospital and other health practitioners and researchers.

User Services

Literature Searches

A total of 251 CD ROMS searches were conducted. Out of this number 30 were requested from staff of institutions and Libraries other than UGMS.

Photocopying

249 in - horse-photocopying requests were served. This number would have been more but for the frequent breakdown of the 10-year old photocopier. 10 photocopiers were received from the British Medical Association Library.

Technical Services

Books

Total current stock is around 40,000 volumes of which 17,173 are books. In the period under discussion, 746 books were added to the stock. These were mainly donations from various benefactors.

Journal

No current journals were received in 2001 because the school delayed in the payment of the subscription money of \$5,100.00 (five thousand one hundred dollars). An amount of nine hundred and three dollars, fifty-seven cents is needed to top up for the year 2002/2002 subscription of the same 21 titles.

Disinfestation Exercise

A major disinfestations exercise to rid the furniture of nood borers was undertaken in August 2001. The exercise lasted for some three weeks during which period the Library was closed to patrons.

Computer Laboratory

The Library now has a computer laboratory of eighteen fully connected computers. Full connectivity to the Internet only happened in August 2001, after several hiccups. The library staff has trained a total of 135 students and staff of the school in basic computer skills in WORD and EXCEL operations.

Donations

The Library has received various gifts from benefactors. Prof J.O.O. Commey: €4,000.000. Ghana Health Foundation, Washington, DC: journals; GHAMSOL FUND (a group of Ghanaian doctors who are either alumni or former staff of the

UGMS who are working now in Saudi Arabia): ₣50,000,000.00. Prof. E.G. Archampong; journals; African Library Project/Mrs Hilda Bromley: books. Others are British Council, Ministry of Health who also donated books. Of particular mention is Doctors S. Appiah-Anane of Liverpool UK and Darko Windoor CT, USA who have continuously donated copies of the *British Dental Journal* and the *New England Journal of Medicine* respectively.

Outreach Service

This publication now appears in a new form in each issue of the *Ghana Medical Journal*. This literature brings to the notice of medical practitioners all over the country access to current information and some of the latest developments in the medical literature. It also aims to help alleviate professional isolation of doctors working in the remote parts of the country.

Staff

There was no change in the staffing situation.

Promotion

Mr Solomon B Sulemani was promoted from Senior Library Assistant to Principal Library Assistant.

Retirements

Mr D.B. Addo Librarian is retiring after September 30, 2001.

DENTAL SCHOOL

DEPARTMENT OF BASIC DENTAL SCIENCE

Overview

The Basic Dental Science Department has over the 2001/2002 academic year, run its courses successfully, in spite of inadequate funding. Again, the major challenge the department is facing is the absence of well-equipped teaching/research laboratory facilities to enhance students teaching and learning. The department has in the past two years relied on the facilities at Ghana Standards Board Physical Science Laboratories for Practical/Demonstration lessons for the BDS Level 500 students in order to satisfy the Practical component of the Dental Materials Science Programme. Notwithstanding these constraints, the meagre resources available were used to support the basic requirements needed for teaching and laboratory/clinical work.

Courses Taught/Number of Students

Courses	No. of Students
Dental Materials Science (Clinical Year 1, Level 500)	12
Applied Dental Materials (Clinical Year 3, Level 700)	6
Oral Biology (Clinical Year 1, Level 500)	12
Introduction to Dental Materials Science (DSA's)	13

Staffing Position of Department as at September 2001

- (a) Senior Members:
 - Dr. George K. Toworfe
 - Dr. Christian A. Botchway (Part time)
- (b) Senior Staff:
 - Same as the Dental School Staff
- (c) Junior Staff
 - Same as the Dental School Junior Staff

Research and Extension

Research in the Department has begun but on a very small scale due to the lack of basic scientific equipment for laboratory and clinical research work. Once again, the department has requested for some basic laboratory equipment from the school authorities for serious consideration, since the need for scientific research (both laboratory-based and clinical) in the Dental School cannot be overemphasized. Some of the research work the department is involved in includes:

- i. Investigating polymerization shrinkage in a two-paste composite restorative material (Master-Dent, a type II composite).
- ii. Survey of biomaterials usage in Oral & Maxillo-facial, Cardiovascular, Orthopaedic and Plastic surgeries in Ghana (in collaboration with Dr. Elsie

E. Kaufmann of the Department of Physics, Faculty of Science, University of Ghana)

Extension

Toworfe, G.K.

- Panel member on MOH Curricula Development team for the training of Dental Surgery Assistants, Oral Health Nurses and Dental Technologies. December 2000 to date.

Publications

Toworfe, G. K. and Watts, D.C.

- Load-deformation characteristics of human teeth. Ghana Dental Journal, 2001, 1: (1); 7-1.
- Characteristic setting shrinkage strains of chemical-cured dental restorative biomaterials. Afri. Jour. Of O H Sci., June 2001, 2: (2); 30-34.
- Transient one-dimensional thermal strain in resin-ionomer dental restorative biomaterials. 22nd Biennial Conference of the Ghana Science Association Program and Book of Abstracts, August 2001. Abstract No. 59, pp56.

Conferences/Seminars/Workshops Attended

Toworfe, G.K.

- MOH Workshop on Curricula Development for the training of Dental Surgery Assistants, Oral Health Nurses and Dental Technologists. Accra, August 30-September 1, 2001.
- College of Health Science-Medical Education Unit Workshop: On Effective Teaching Methodologies, Korle-bu, Accra, August 28-30, 2001.
- 22nd Biennial Conference of the Ghana Science Association, University of Cape Coast, Cape Coast, August 5-9, 2001.
- 10th Annual Congress of the Ghana Dental Association, June 28- 30, 2001, Accra.
- British Medical Journal / West Africa Edition Workshop on: Health Writing, College of Health Sciences, Korle-bu, May 2001.
- MOH Workshop on Curricula Development for the training of Dental Surgery Assistants, Oral Health Nurses and Dental Technologists. Koforidua, December 17-23, 2000.

Botchway, C.A.

- 10th Annual Conference of the Ghana Dental Association, Accra, Ghana, June 28-30, 2001.

Benefactions

- Dr. Francis Mantey, Professor in Dental Materials Science, of the University

- of Pennsylvania School of Dental Medicine, Philadelphia, USA, donated a quantity of dental materials to the department for teaching and research. The Department of Microbiology, UGMS, has donated an old Processing Timer to the department for teaching and research.

SCHOOLS

SCHOOL OF ADMINISTRATION

Overview

During the 2000/2001 academic year, the School of Administration continued to respond to the nation's need for management education and continued the expansion of academic programmes.

There was no appreciable increase in student enrolment. The total student enrolment for the year under review was 2,080, which is an increase of 0.44% over the figure 2,073 for 1999/2000.

The breakdown of enrolment for 2000/2001 is as follows:

Programme	Number of Students
DIA Year I	57
DIA Year II	60
DPA I	50
DPA II	60
BSc.(Admin) Level 200	338
BSc.(Admin) Level 300	498
BSc.(Admin) Level 400	285
BA(Admin) Level 200	89
BA(Admin) Level 300	36
BA(Admin) Level 400	127
MBA I	128
MBA II	293
MPA I	19
MPA II	38
PhD	2
Total	2.080

The Executive MBA programme, which is aimed at meeting the continuing education and training needs of practising executives, admitted a total of 118 students made up of the following:

March 2000	62
September	56
Total	118

Staffing Position

With the increasing number of student intake, the School relies a lot on the services of part-time lecturers because potential lecturers are not attracted to the School on

full-time basis. The faculty strength for last year was 48, made up of 34 full-time lecturers and 14 part-time lecturers.

The staff strength of the School is as follows:

Full-time Lecturers	39
Part-time Lecturer	23
Senior Administrative Staff	5
Senior Staff	21
Junior Staff	43
Casual Labourers	4
Total	135

Faculty Movement

Mr. K.A. Domfeh	PhD programme (part-time)
Mrs. A.N.S. Kastner	PhD programme (part-time)
Prof. S.A. Nkrumah	Retired
Dr. G.A. Agambila	Leave of Absence
Ms. Elsie O. Aikens	Resigned

New Appointment

A new appointment was made during the session in the person of:
Mr. E.K. Sakyi, June 12, 2001

Special Programmes

Practitioners' Forum

To enrich the educational experience of students, the School invites practitioners from time to time to come and share their field experience with the academic community of the University. The purpose of this activity is to strengthen the link between academia and the world of work and industry.

Last year, the forum was on the theme: "Cash and Carry: The Policy, Its Implementation and Impact" and it was delivered by Honourable Professor Kwaku Danso Boafo, Minister of Health, on Wednesday, November 22, 2000.

A special Practitioners' Forum was organised by the School on Tuesday, April 3, 2001 to herald the Management Day Celebrations. Mr. Dan Lartey delivered the address on the theme: "DOMESTICATION".

Benefaction:

Book Donations

Mr. Simon Asobayire	70
EPP Book Service	8
Central Connecticut State University	61

The School received books and material support from a number of benefactors and donors including Ghana Commercial Bank, Consultant Management Enterprise Limited, Mr. Kwamina Panford (USA), Ms. Judith Adjobah Blay (USA), African Economic Research Consortium Grant and Dr. Kwaku Appiah-Adu (PriceWaterHouse Coopers).

**School of Administration Facilities Improvement Fund (SOFT)
Valuation Report on Provident Fund**

The value of the above Fund's investment as at 31st December 2001 was €68,929,753.98

The breakdown is as follows:

Treasury Bills at cost	€66,878,112.50
Interest Accrued on Treasury Bills as at 31/12/01	2,051,641.48
Total:	€68,929,753.98

Special Events

The School celebrated Management Day, the 23rd in the series, on April 14, 2001, under the theme "Accounting in National Economic Development". The Management Day 2001 was sponsored by PriceWaterHouse Coopers to the tune of €30,500,000. Speakers included: Hon. Albert D. Kan-Dapaah, Mr. M.A.K. Gyasi, Hon. Dr. Paa Kwesi Nduom and Mr. W. Bray.

The DANIDA Centre for International Business at the School of Administration also hosted the 6th Ghana Export Sector Development Forum on July 25, 2001 under the theme: "Private Sector and Export Development in Ghana".

Publications

Management Unit

Buatsi, S.N. and Monrozier, J.B., Wilson, A.W.

- "Demand for Trade Information in Ghana". International Trade Centre (UNCTAD/WTO) Geneva (2001).
- Supply of Trade Information in Ghana", International Trade Centre (UNCTAD/WTO), Geneva, (2001).
- "Information Technology Options for Delivering Trade Information Services in Ghana", International Trade Centre (UNCTAD/WTO), Geneva, (2001).

Buatsi, S.N. with Sorensen, O.

- "Internet and Exporting in Ghana", *Journal of Business & Industrial Marketing*, (Forthcoming, October 2002).
- "The Marketing Communication Process: Conceptual Models and Application to the Investment Promotion Programs of the Ghana Free Zones Board", in Sonny Nwankwo and Joseph Atyeku, *Dynamics of Marketing in Africa*, Greenwood Publishing Group, Inc. Connecticut, U.S.A. (2002).

- "Inter-Firm Relationship And Export Capacity Building" (*Legon Export Outlook*, forthcoming 2002).

Ejisu, A.S.

- "African Management and Method – Advanced Through National Objectives and Philosophy": *The Journal of Management Studies*, Vol. 16, 2001, pp.19-41.
- "Good Management Training Begins at Home", *GIMPA Journal of Leadership Management and Administration*, Vol. 1, No.1, October 2001.

Boye, S.S.

- "Operations Strategy in an Emerging Economy: The Case of the Ghanaian Manufacturing Industry". *Journal of Operations Management*, 19 (2001) 59-79.

Ofei, K.A.

- "Retooling Credit Unions: The Case of Credit Union Association of Ghana" To be published by ILO, IFLIP Publications, Geneva.

Buame, S.C.K.

- "Entrepreneurship and International Business Strategies (an Insight into the Key Success Factors of the Exporting Entrepreneurs in Ghana)", *The Journal of Management Studies*. Vol. 15, No.1, 2000.
- "An Insight into the Operations of the NTES Market (a Pre-requisite for Exports Sustainability)", *Legon Export Outlook*, Vol.1, No. 2000).
- "Entrepreneurial and Innovation Management", SOA, 2001.

Health Services Admin. Unit

Poku, K.A.

- "Management HIV Illness. Sources of Information for Medication Decision", *Journal of Management Studies*, 16: 165-180, 2001.
- Economic Consequences of HIV/AIDS in Malawi (Abstracts). Western Social Science Association 42nd Annual Conference, April 26-29, 2000, San Diego p.42.
- Book Review: *Handbook of Research Methods In Public Administration*. Edited by Gerald J. Miller & Marcia L. Whicker, New York: Marcel Dekker, 657 pp. *Journal of Management Studies*, 15(1) 131-133.

Accounting Unit

Kuipo, R.M.

- "Alternative Explanations to the Phenomenon of Corporate and Public Sector Fraud in the Ghanaian Workplace". Article accepted for publication in the *Legon Business Journal*, Volume 1, Issue 2.

Onumah, J.M.

- "A Critical Look at the Government Financial Administration System in Ghana". Published with Mr. J.S. Arku & Mr. J.K. Otieku, *Journal of Management Studies*, School of Administration.

Public Administration Unit

Appiah, F.

- "Organization Development in the Public Sector" Submitted to *Journal of Management Studies*.
- "Globalization and the Deconstruction of Public Administration", Mimes.
- "Problems of Professionalism in African Administration – An Introduction". Chapter in Book.

Asibuo, S.K.

- "The Role of An Anti-Corruption Agency in the Struggle Against Corruption: The Case of The Serious Fraud Office (SFO) In Ghana". *African Administrative Studies*, No. 56, 2001, pages 1-14.
- "Apathy in African Local Government: An Examination of Some Causes and Remedies".
- "The Role of the Commission on Human Rights and Administrative Justice (CHRAJ) in Promoting Public Service Accountability Under Ghana's Fourth Republic". Forthcoming in School of Administration's Public Administration Unit's Book on Public Administration in Ghana.

Domfeh, K.A.

- "Environmental Legislation in Ghana: Quantitative Comparison Between Military and Civilian Regimes", *Indian Journal of Environmental Protection*, 21 (1): 1-9.
- "Review of Some Environmental Problems and Laws in Ghana", in E.K. Boon and L. Hens (eds.): *Key Economic and Legal Instruments for Environmental Management in West Africa*, Brussels: Free University of Brussels, pp.45-60.

Other School of Administration Publications Within the Year

- *Journal of Management Studies* (2)
- *Management Monograph Series* (5)
- *Legon Export Outlook* (1)

SCHOOL OF GRADUATE STUDIES

Overview

We received a total of 2,950 applications for the 2001/2002 academic year. Out of this, 589 applicants received admission into the various programmes of the Faculties of Science, Agriculture, Social Studies, Arts, Law, Medical School and

School of Administration.,

Courses

The approved programmes from the Departments and the affiliate institutions of this University include the following:

- Economic Policy Management (EPM) - Department of Economics
- Executive Masters in Business Administration (EMBA) - School of Administration
- Masters in Development Management (MDM) - Ghana Institute of Management and Public Administration
- MA (International Affairs) - Ghana Armed Forces Command and Staff College

Student Numbers

The School of Graduate Studies' current enrolment stands at 1,147 graduate students. The number includes fresh and continuing students and is slightly higher than that of the 1999/2000 academic year, which was 721.

Congregation

A total of 362 students graduated at the March 2001 Congregation. We have 207 students who have submitted their theses/dissertations and are likely to graduate at Congregation 2002. This number is likely to double by February 15, the deadline for submission of theses for publication by candidates wishing to graduate by March 2002.

Staff

The number of staff at the School of Graduate Studies stands at 12. One clerical staff resigned during the academic year.

Commissioning of the School of Graduate Studies Building

The new Office building of the School of Graduate Studies was commissioned on March 28, 2001 by the Honourable Minister of Education, Prof. Christopher Ameyaw-Akumfi. The building was donated to the University of Ghana by Dr. Steve Kwadwo Amodia-Marfo, Chief Executive Officer of IKAM Ltd., in memory of his father, the late Frederick Kojo Fordjour Marfo. During the memorable ceremony, the Vice-Chancellor of the University of Ghana, Prof. Ivan Addae-Mensah, took the opportunity to recognise the contribution of all past Deans of the School, as well as the contributions of institutions, organisations and individuals who have helped to advance post graduate education in the University.

Affiliation

During the 2000/2001 academic year, the Academic Board of the University gave affiliation to the Ghana Maritime Academy to run programmes leading to the award of a Postgraduate Diploma of the University.

GRADUATE PROGRAMME FOR ENVIRONMENTAL SCIENCE

Overview

The aim of the M.Phil. Programme in Environmental Science is to provide graduate education in the causes, effects and control of environmental problems, particularly in Ghana, for graduates in the basic sciences and closely related disciplines. The role of the environmental scientist is seen as one of responsibility for monitoring, investigational and advisory functions in management of the environment. The programme comprises two semesters of taught courses followed by a one-year research in the area of specialisation. The course is very attractive to students because it is attuned to current global needs. For the academic year under review, there were 42 student applications.

Courses

The course is unique in the breadth of courses offered, covering four Faculties, Science, Social Studies, Agriculture and Law. All courses are taught at the post-graduate level. The current suite of courses are: Soil Water and Air Quality, Human Population and Urbanisation, Remote Sensing, Water Resource Management, Environmental Chemistry, Environmental Economics, Environmental Law, Environmental Impact Assessment, Forest Resource Management, Atmospheric and Environmental Physics, Environmental Geology.

Student Numbers

M.Phil. Part I Environmental Science	11
M.Phil. Part II Environmental Science	16

Staffing Position

The Environmental Science Programme has no permanent teaching staff of its own; it uses expert staff from various departments within the University to run the programme. Thirteen Departments are involved in the teaching of the programme, using a base of twenty teaching staff.

Research

Due to the nature of the programme, the research activities that are being undertaken are based on the thesis areas of the M.Phil. Part II students. These are:

- Water Quality of the Kpong Headpond.
- Managing Coastal Ramsar Wetlands in Ghana - Evaluating the Songor.
- Audit of environmentally Approved Projects in Accra/Tema Metropolitan Area.
- Impact of Tourism on the Coastal Environment.
- Environmental Impact of the Local Palm Oil Industry.
- Compostable Organic Solid Waste Management: Prospects of recycling into animal feed in Accra, Ghana.
- Assessment of the Impact of Human Activities on the Quality of the Densu River Around Koforidua Catchment Area.

- Management of Urban Plastic Waste.
- Environmental Impact Assessment: EIA Aspect of the proposed West African Gas Pipeline (WAGP) in Tema.

SCHOOL OF PERFORMING ARTS

Administration

Director: Prof. Martin Okyere Owusu, Assoc. Professor in Theatre Arts.

Head of Theatre Arts: Mr. Asiedu Yirenkyl, Senior Lecturer in Theatre Arts

Head of Music: Dr. W.O. Anku, Senior Lecturer in Music

Head of Dance Studies: Prof. William Ofotsu Adinku, Assoc. Professor in Dance Studies

Artistic Director, Abibigromma: Mr. T.E. Andoh, Lecturer in Music

Drama Studio Manager: Dr. Mohammed Ben Abdallah, Lecturer in Theatre Arts

Senior Administrative Assistant: Shine Gaveh

Senior Administrative Assistant: Joyce Osei-Wusu

Chief Library Assistant: Johnson Bissi

Senior Library Assistant: Ken Afenu

Library Assistant: Henry K. Asante

Chief Accounting Assistant: J.K. Arthur

Senior Accounting Assistant: Ebenezer Letey

General Overview

The School of Performing Arts, established in the 1977-78 academic year, has three academic departments: Music, Theatre Arts, and Dance Studies. All three disciplinary areas offer 2-year diploma as well as B.A. and B.F.A. degree courses. Music offers a B. Mus and an M.A./M.Phil programme, whilst Theatre Arts offers post-graduate degrees of M.F.A./M.Phil.

The School has a very dynamic resident theatre company, Abibigromma, as well as a research wing, International Centre for African Music and Dance established by Emeritus Professor J.H. Kwabena Nketia. It is currently under the Acting-directorship of Dr. Asante Darkwa. The Efua T. Sutherland Drama Studio is another major centre for the performing arts.

The School of Performing Arts continues to attract a great deal of patronage from international students and research scholars. During the year under review, the School offered both full and short courses to a large number of international students in the three areas of dance, drama and music. It also played host to a number of research students and scholars.

Department of Theatre Arts

The department offers programmes leading to the award of a B.A and B.F.A. degrees

in Drama in Theatre Studies and a 2-year Diploma in Drama. Programmes at both levels cover a wide range of academic and practical courses, including: Play Analysis and Interpretation; History of the Theatre; Dramatic Theory and Criticism; Performing Arts in Traditional African Cultures; Drama in African Societies; Contemporary African and Modern Drama; African Plays and Playwrights; Radio, TV and Film; Speech; Costumes; Set Lighting Design; Stage Craft; Stage Lighting; Acting; Drama in Education; Theatre for Extension Communication; Playwriting; Directing; Adult Psychology; Production Participation; Theatre Laboratory; The Body and Voice.

Dance Studies Department

Courses offered in the Dance Section leading to the award of B.A and B.F.A. degrees in Dance Studies a and 2-year diploma during the year were: Dance Forms of Ghana; Anatomy and Physiology for the Dancer; Labanotation; Dance History; Dance for the Film and Television; Choreography; Stage craft; Orientation to the Theatre; Music; Dance Technique; Traditional African Dancer; Drumming and Staging; Theatre Management.

Department of Music

The Department of Music offers courses to over 100 students majoring in Music in the following programmes: M.Phil (2 years), M.A. (1 year), B.A./B.Mus (3 years), Diploma in African Music (2 years), Diploma in General Music (2 years). Courses in Music of Africa (Theory and Practicals) are also offered to many international students (Visiting/Special/Exchange) under the University of Ghana linkage programme.

In addition to the above, the department of music has embarked on a number of initiatives to enrich its programme. The particular areas designated on experimental basis include:

Music and Electronics, Music Production, Arts organization, Music journalism, and criticism, Recording technology, Conducting, Church music and Popular music; Colloquium/Recital programmes every Wednesday as a forum for discussing the state of music research in the department, and also to enhance its performance programme.

The intentions of the programme, termed "Process of Art", are two fold: Firstly, it is to enable students interact with the world of music as it affects the community around them and thereby clearly see the artistic as well as the professional opportunities and challenges at first hand to enable better preparation to meet these challenges.

Secondly, it is to enable both staff and students to re-examine the structure, process and functions of the art of music and music making and the effective transmission of skills and knowledge with the view of making necessary adjustments in the

department's programme.

The Efua T. Sutherland Drama Studio

The Efua T. Sutherland Drama Studio has continued to maintain its role as the Performing Arts Centre of the University.

The main stage of the Studio has served as the venue for performances by the staff and students of all sections of the School as well as other external users.

The year under review has also seen the Studio ploughing back part of its profit into painting and general repairs. 400 new plastic chairs have also been purchased to add to the existing stock.

Abibigromma

Abibigromma the Resident Theatre Company of the School of Performing Arts, Legon, continue to honour and perform the duties for which it was established in 1983.

The year under review has been one of the busiest for the group in the area of research performance and public education that stretched from Senior Secondary Schools to Companies and Organizations including the media.

Objectives of the School

On the occasion of the 25th Anniversary of the establishment of the School, the then Vice-Chancellor, Prof. A. Sawyerr, reiterated the real objectives of the School thus:

"...one of the principal objectives of the separation of the School from the Institute (of African Studies) was to enable it to focus on "professional performance training as a cardinal aspect of the work of the School". Specifically the principal objectives of the School are:

- To provide University course in Music, Dance and Drama;
- To provide a programme of professional training for performers; and
- To serve as a focus of the performing arts in the University.

As a University institution the School, in focusing on the development and teaching of Ghanaian and African Art Forms, cannot afford to shut itself off from the vast wealth of Music and Art Forms existing outside Africa, not only in the African Diaspora, but also in both the Orient and the West. Again, the University location obliges the School to be research-oriented, drawing not only on the researches of others, but especially on the work of Ghanaian art and culture scholars, both within the School and the Institute, and elsewhere. In brief, the School ought to be engaged in research, teaching, and experimentation in Ghanaian and African art forms, paying due attention not only to their roots in society, but also to developments elsewhere in the world. This should put the school in a position to make a contribution to the re-interpretation and development of African art and culture.

providing a spur to creative thinking and activity in the field of national culture.

As a School of Performing Arts, the School should gear its programmes, infused as they must be with the results of the School's researches, to the provision of systematic and integrated training of performers in Music, Dance and Drama, and provide an outlet for creative work and the dissemination of knowledge of the arts, through its extension and vacation programmes, as well as regular full-time course.

It would be impossible for the School to begin to meet these obligations in full if it were to operate in isolation from the Institute of African Studies and society at large. For it is vital for the School, in the development of its courses and the conduct of its outreach programmes, to be able to call upon the research product of the Institute in the area of art and culture.

Equally, the School cannot develop programmes or train authentic performers of our Music, Dance and Drama unless it reaches out for interaction with traditional performers and local audiences.

Achievements

The School of Performing Arts, the only institution of its kind in Sub-Saharan Africa, that combines the three disciplines of Drama, Music and Dance in the training of Middle and Management level manpower needs of several establishments in Ghana and, indeed, internationally, continues to play that role among other obligations and commitments: The Ghana Education Service (the largest beneficiary), The National Commission on Culture (with its numerous Centres for National Culture spread throughout the country, each requiring trained cultural and performing arts experts), our Universities (where over ninety percent of the teaching staff of the School are alumni of the School of Performing Arts), The National Theatre of Ghana, G.B.C. (T.V. and Radio Programmes Producers and Directors), the numerous F.M. Stations, Video Film Production Outfits, Professional and Amateur Performance Groups and, not the least Universities in Africa, Europe, America, Canada, Japan, Korea, and other Far Eastern countries.

Through its productions and outreach programmes, the School continued with its enrichment of the cultural life of the University and surrounding communities. During the last academic year alone, for example, there were 10 major play productions, 24 one-acts, several Musicals and Choreographed dances by students and staff that attracted and educated as well as entertained many audiences in and around Legon. In addition, literature workshops were organized for students of 2nd Cycle institutions in several Regions in Ghana; also, through its Theatre for Extension Communication, and Drama in Education practical programmes, communities as far away as Upper East, Brong-Ahafo, Volta Region, Eastern, and local J.S.S. schools, were exposed to the benefits of Environmental cleanliness, population control, avoidance of Teenage Pregnancy, etc. Even in Accra, establishments like the Bank of Ghana, Ghana Telecom, Cocobod, Electoral

Commission etc. were direct beneficiaries of effective communication of their objectives through drama, music and dance presentations.

The Nation and, indeed, the World continues to enjoy the artistic skills not only of the directors, actors, and technical expertise of the staff, but also of the playwrights, choreographers, and composers who provide the material for productions.

The School intends to continue with its commitment to teaching, research and extension programmes, embracing high academic goals and practical professional demands. However, the existing inadequate resources of space, equipment, transportation, and teaching aids, cannot, as has been emphasized before, support and sustain the expanding activities and increasing demands for true professional and academic manpower training for the Nation.

In fact, these needs were taken up by a Member of Parliament, Hon. Nkrumah Gyimah, an alumnus, in November 1999, and all the Honourable Members of the House, who spoke glowingly about the School, reiterated the urgent need for Government to address them without further delay. (See Parliamentary Debates: Official Report, Friday, 5th November, 1999: "Statements – School of Performing Arts Open Day Celebration – {Col.816}).

**ACTION PLAN: (VIS-A-VIS)
Essentials of the 2001-2003 Estimates**

(a) Staff & Student Productions (2000-2001)

These are an essential academic and professional requirement for the School. Participation in productions/performances is a requirement for the award of diplomas/degrees in the performing arts. 18 Student Productions and 11 Staff/School Productions are planned for the year, with a projected cost of about one hundred and fifty million cedis. It is essential that reasonable provision be made for the School's productions programme

The Theatre Season has become an established outreach programme in which a sample of the School's productions for the year is presented to the community at large. It involves some production and publicity expenses as well as accommodation, feeding, transport expenses of a large number of students during the long vacation period.

(c) The Physical Infrastructure of on-going Project

For five years running, our request for work on the on-going project of the building complex has not been considered for final approval and funding. But with the creation of the new Department of Dance, the introduction of the new MFA/M.Phil degree programme in Theatre Arts, the sudden jump in our enrollment figures, and the increasing activities of the International Centre for African Music & Dance, the pressure on our old temporary structures has become unbearable. We must

continue work now on the construction of our building complex.

It may be noted that at the moment the School has no lecture rooms large enough for even the relatively small classes of up to fifty students. With the expected rise in student number, a crisis is inevitable unless we can complete the new complex in time.

(d) Equipment Needs:

The School depends on lighting, sound, and video equipment for teaching, research, productions, and outreach programmes. For several years now the old existing equipment have gradually deteriorated with constant use, with most of them now rendered useless or ineffective.

Video Equipment for Professional Quality Recording & Editing: This will enable the School of Performing Arts to begin a serious programme of documenting several of its performances and major productions. Properly organized, this should eventually become a major library collection as well as an important source of income for the School. A fully equipped video-audio documentation unit is now an indispensable requirement for instruction in the performing arts. It will service not only the School but also other academic departments of the University. Our target several years ago to put all the basic equipment in place has been long overdue. A complete Audio-Visual Library is also required. This project is partly dependent on the completion of at least the second phase of the new buildings for the School.

A Computer System: for efficient and fast preparation of scripts and other frequently used documents, and also for musical analysis, an important new area of research.

Lighting Equipment: A computerized memory lighting control; a lighting control board with 24 or more channels; a portable intercom for communication between the backstage and the lighting booth; slide projectors; cables, etc.

Musical Equipment: 3 Grand Pianos.

Costumes: sewing machines; make-up kits; mannequins for drapery.

Tools for Set Design & Construction.

A Good Quality Public Address & Amplification System.

(e) Transportation

The School has one overaged 45-Seater Neoplan Bus for movement of production personnel. But the bus is not suited to the movement of equipment and is too big to be used for organizational work. Besides, it breaks down so often and is thus unreliable. A new bus, an open truck and a Land Cruiser are needed to facilitate movement of performers, props and equipment and for organisational/administrative work.

DEPARTMENT OF DANCE STUDIES

Overview/Courses/Students

The Department of Dance Studies continued to train and educate students in Choreography; Traditional African Dance Performance; Traditional Drumming/ African Musical Instrument; Criticism; Film/Movement Notation; Dance Research and Education. The Department aimed to develop a capable workforce for Performing Companies, Theatres, Research and Cultural Institutions, Ministries/ Departments of Tourism, Educational Institutions and Diplomatic Missions.

The Department's courses continued to attract high foreign student enrollment. There were seventy foreign students registering for courses in Dance Aesthetics and Criticism; Dance, Ritual and Art; Traditional African Dance Performance: Dance/ Movement Technique: Traditional Drumming/ African Musical Instrument.

Student Numbers

B.A. Level 100	121
B.A. Level 200	36
B.A. Level 300	9
B.A. Level 400	3
B.F.A. Level 100	34
B.F.A. Level 300	6
Diploma I	16
Diploma II	15
Diploma III	19
FOREIGN STUDENTS-	70

Post-Graduate Programme

The Department was unable to organise its M.Phil/MFA programmes due to staffing problems. However, the Department would like to join the M.Phil and MFA programmes of the Department of Theatre Arts by expanding the existing programme with dance courses. It is anticipated that the new programme will come into effect during the 2003-2004 academic year.

Obituary

Professor Albert Mawere Opoku one of the founders and first Head of the Department of Dance Studies and the Ghana Dance Ensemble - died on February 23, 2001 in Kumasi. He will greatly be missed for his wise counsel, advice on course structuring and general organisation of the Department's programmes.

Visitors

The Department received two visitors during the year. They were Professor Kariamuwelsh Asante and Miss Cheryl Stevens, a doctoral student, from the Department of

Dance, Temple University, U.S.A. They conducted workshops in Modern dance technique and movement expressions.

Research

Adinku, W.O.

Continued with research in the following areas:

- Dance in Public School Curriculum.
- Training the Dancer at Legon.
- Dance Artists in Ghanaian Education.
- The Logic of the Dipo Traditions.

Examinations

W.O. Adinku served as an Internal Examiner for Ph.D thesis in African Studies, University of Ghana.

Newman, S.A

- Choreographed a 21/2 hours Dance Piece entitled the "Odwira Festival of the Akropong-Akwapim" with an aim of providing a possible celebration procedure that would involve the Christian Community of Akropong-Akwapim. The piece after its maiden performances on Legon Campus was performed at the Christ Presbyterian Church at Akropong-Akwapim. It was well received. Follow-up discussions with the church on the performance is in progress. The piece was also performed for the ministerial students on training at Trinity Theological Seminary. The choreography was to provide an alternative to the persistent conflict between Traditional practices and Christianity.
- Mr. Newman took time off to visit the School of Richmond Ballet, Richmond, Virginia, during a tour of the U.S.A. from May 11th - 21st, 2001, and had discussions with the Head on various issues concerning dance education and development. He also watched Ballet classes at the School.
- Presented a number of other choreographed dances in Churches, Christian Conferences and gatherings as well as in Secondary Schools and Training Colleges throughout the year. About sixteen (16) of such performances took place during the year.

Staffing

A. Lecturers at Post

Prof. W.O. Adinku

Mr. S.A. Newman

Nii Kwei Sowah

Associate Professor/Head of Department

Senior Lecturer

Lecturer

B. On Sabbatical Leave

Miss P.A. Kwakwa

Senior Lecturer

C. Senior Staff (on Leave of Absence)

Mrs. Akua Boakyewa Abloso - Chief Production Assistant (on Study Leave)
Miss Marian Amekudi Production Assistant (on Sick Leave)

D. Drummers/Musicians at Post

Mr. Kwesi Asare Production Assistant
Mr. Seth Gati Senior Drumming Instructor
Mr. Richard Norbu Drumming Instructor Grade I
Mr. Francis Akotuah Drummer Grade II

E. Clerical Staff at Post

Mr. Kwami Ohene Senior Administrative Assistant
Miss Esther Appiah Typist Grade I
Mr. Eric Appiah Flanko Messenger/Cleaner

DEPARTMENT OF THEATRE ARTS

Courses

Courses designed for students allow for specialisation in key areas of Theatre, allowing for development of the professional theatre artist. Course work includes classes emphasising development of personal aesthetics in ensemble creation. Our training explores the performer's full arsenal: voice, body, mind, and heart. It examines the range of alternative methods of experimentation and experience, and emphasizes successful transition into professional theatre.

Courses at all levels cover a wide range of academic and practical courses, including: Play Analysis and Interpretation; History of the Theatre; Dramatic Theory and Criticism; Performing Arts in Traditional African Cultures; Drama in African Societies; Contemporary African and Modern Drama; African Plays and Playwrights, Radio, TV and Film; Speech; Costumes, Set Lighting Design, Stage Craft, Stage Lighting; Acting; Drama in Education; Theatre for Extension Communication (T.E.C.); Playwriting, Writing, Production Participation; Theatre Laboratory: The Body and Voice.

Enrolment

Diploma	1st Year	39
	2nd Year	22
	3rd Year	22
B.A. Level	100	710
	200	250
	300	109
	400	68
Exchange (Foreign Students) -		8

Staffing

With the appointment of two new lecturers, the Dept. now has 1 Associate Professor, 2 Senior Lecturers (One on Sabbatical) 11 Lecturers, 3 part-time lecturers, 1 Administrative Assistant and 2 Junior Staff. Our staff strength is however reduced by the retirement of Ms. Yirenkyi. Mrs Awo Asiedu has also taken her study leave and will not be back to the Faculty until 2003.

Research

Arkhurst, S.

- Traditional Methods of Adult Education: Folktale Game Folksongs: Tradition for Development. The Relationship Between Management and Artistic, Folks, Media: Rural Communication and Development: Popular theatre.

Aveh, A.

- Issue of Representation in Ghanaian Film and Video Productions
- Digital Technology and Motion Picture Production
- Television Programming in Ghana
- Cataloguing Movies

Owusu, M.

- Traditional sources for the modern African stage.
- Theatre for National Electioneering Process, sponsored by Friedrich Ebert Stiftung and National Electoral Commission.
- Evolving theatre from a Danish Folktale.
- Theatre for Road Safety in Ghana: The Pedestrian, Driver, The Road, The Vehicle factors.
- Exploration of relevant Directing Concepts.

Gyabaah Yeboah, Aaron

On going research in the following :

- New Approaches to Directing for the Contemporary Ghanaian stage.
- Theatre for bringing about positive socio-economic and political change.
- Towards an authentic African Theatre

Publications/Productions

Arkhurst, S.

- "Folk Media" Journal of Performing Arts Vol. 2 No. 1
- "Story writing and treatment of folk materials" Journal of Performing Arts
- "Ethnics and aesthetics of Popular theatre" (Handout)
- "Theory into practice: The Legacy of Boal" (Handbook)
- "31st DWM Family Planning Programmes in the Volta Region December 1995-March 1996 (Johns Hopkins University CCP Newsletter-CSMF)
- Mother's Tears at the National Theatre, September 1996. Director.

Djisenu, J.K.

- "The Art of Drama", *Legon Journal of Humanities* No. 8 (1995) pp. 55-62 "The Art of Narrative Drama" *Matatu Journal for African Culture and Society* Forthcoming.
- "The Scope of Drama and its Associated Controversies in the Ghanaian theatre Context". Submitted to *Legon Journal of Humanities*, 1996.
- "Performance Spaces and Institutional Organization in Ghana" *Journal of Performing Arts* Vol. 2 No. 1
- Review of David Kerr's *African Popular Theatre* (London: Jams Currey Publishers, 1995) *Journal of Modern African Studies* – Forthcoming.
- Preparation of Technical Data of the National Theatre with ground plans and a lighting plot.
- Technical co-ordinator and Stage Designer for PANAFEST 1994.
- Secretary Design for WOYZECK (Video Documentation) 1995.
- Trevor Rhone's *Old Story Time*. National Theatre (Scenery)
- Milkhall Bulgakov's *The Crimson Island*
- S.P.A. Staff Production (Technical Direction)
- Oscar Wilde's *the Importance of Being Earnest*
- G.I.S. Production (Lighting and Scenery)
- George Bucher's *Woyzeck*. (A point production with Goethe Institute (Scenery)

Owusu, M.

- "Tragic Drama: An African Dimension" *Journal of Performing Arts* Vol. 2 No. 1
- (1996) Video Documentation of production of James *Bridie's Tobias and the Angel* (Staff production, 1996).
- Video Productions in 4 Languages of *The Pedestrian*, a Ghana Road Safety Commission sponsored production in four languages for road safety education in Ghana.
- *The Adventurers of Sasa and Esi*. (Ghana Publishing Corp. Revised and reprinted 1996).
- *Analysis and Interpretation of Ola Rotimi's The Gods Are Not To Blame*. Afrique Publications, Accra, 1998.
- *African Drama:- analysis and Interpretation of J.C. deGraft's Through A Film Darkly & Sons and Daughters*, Legon, 1992.
- *Drama of the Gods a study of seven African Plays*, Omenana Publishers, Boston, 1984.
- *The Election*. Theatre for Electoral Education in four languages (English, Akan, Ewe, Dagbani) sponsored by Friedrich Ebert Foundation & E.C. 1996.
- *The Parliamentarian: theatre for Parliamentary education*, sponsored by F.E.S., 1997.

Aveh, A.

- "Ghanaian Video Films of the 1990s: Annotated Select Filmography" in

Fontomfrom: Contemporary Ghanaian Literature, Theatre and Film, Matatu Vol.21-22, Kofi Anyidoho and James Gibbs (eds.), Rodopi BV, Amsterdam/ Atlanta, 2000.

- "Lareba". A ScriptNet Video Feature Production, Ghana/UK (editor)
- "Traces of the Trade", an international documentary on slavery, shot in US, Ghana & Cuba, Ebb Pod Productions, USA (Line Producer and In-Country Coordinator for Ghana Shoot), 2001.

Conference/Seminars/Workshops Attended.

Arkhurst, S.

- Workshop on Theatre for Development for 31st DWM. Volta Region in Ho from December, 1995 – March 1996 Sponsors : Johns Hopkins University Centre for Communication Programmes.
- GSMF Seminar for Population Control Workers, at Maamobi, April 10-14, 1996, Resource Person.

Owusu, M.

- Workshop on the Teaching of Dramatic Literature in 2nd Cycle Schools, National Theatre of Ghana, 1998.
- Workshop on the Teaching of Dramatic Literature in 2nd Cycle Schools, Regional tour of Schools, 1994, 1996, 1997.
- Workshop on the Teaching of Dramatic Literature in 2nd Cycle Schools, School of Performing Arts, 1990.
- "Superstition on Our Screens" Conference on African Women in the Media, National Theatre, Accra. February, 1995.
- "From Myth to the Stage: the Story Ananse told as Theatre in a Global Perspective", 1994.

Djisenu, J.K.

- Trevor Rhone's Old Story time: National theatre (Scenery)
- Milkhall Bulgakov's the Crimson Island.
- S.P.A. Staff Production (Technical Direction)
- Oscar Wilde's The Importance of Being Earnest, G.I.S. Production (Lighting and Scenery)
- George Bucher's Woyzeck. (A joint production with Goethe Institute (Scenery)
- "An Evening with Nature" G.I.S. Production (Lighting)
- Shakespeare's As You Like It. G.I.S. Production (Lighting)
- Martin Owusu's the Story Ananse Told G.I.S. Production (Lighting)
- James Bridie's Tobias and the Angel.

Aveh, A.

- Department of Theatre Arts, University of Ghana, Legon, Seminar Series

- 2001. Paper presented: "Ehye Wo Bo: The Vexed Issue of Images on our Screens – A Concerned View" (September 2001)
- Department of Theatre Arts, University of Ghana, Legon Seminar Series 2001. Paper presented: "Digi-This, Digi-That. The Dilemma of the Visual Artist in the Present-Day Technological Labyrinth: Which Way Out?" (September, 2001)
- 17th Pan-African Festival of Film and Television (FESPACO 2001), Ouagadougou, Burkina Faso. Theme: Cinema And New Technologies (February – March 2001)
- International Video Seminar and Conference on the theme: Modes of Seeing and the Video Film in Africa, Iwalewa Haus, Centre for African Studies, University of Bayreuth, Germany. Paper presented: "Historical Fiction, Imagined Facts: The Question of (Mis) Representation in Ghanaian Video Feature". (June 2001)
- 5th African Student and Television Festival (ANIWA 2001), National Film and Television Institute (NAFTI), Accra. Served as Jury. (July 2001)
- 5th Pan-African Historical Theatre Festival (PANAFEST 2001), Cape Coast/ Elmina/Accra. Theme: Re-emergence of the African Civilisation – Uniting the African Families. (July-August 2001)

Extension Work/Hobbies

Arkhurst, S.

- Training NGOs in Effective Communication
- Guest Director for Theatre Companies in Accra
- Johns Hopkins University Communication Consultant

Aveh, A.

- Chair, Annual Speech and Prize-Giving Award Ceremony, University Primary and Junior Secondary Schools, Legon (August 2001)
- Photography, Creative Writing, Experimental Video, Music, Travelling

Djisenu J.K.

- Productions with Ghana International School: "The Story Ananse Told" March, 1996.
- "The importance of Being Earnest – Telecast live on G.T.V.
- Matemasie, Drama Studio Monthly Programme (Co-ordinator)
- Preparation of Technical Data of the National theatre with ground plans and lighting plot.
- Lighting: G.T.P. launching of BMW 5 Series, June, 1996.
- Elder, Legon Interdenominational Church.
- Bicycle riding and sewing

Owusu, M.

- Writing producing and directing plays for Electoral Commission Educational

to tour of Second Cycle Schools and Training Colleges on the effective teaching and study of dramatic literature.

- Evolving a play from a Danish folktale for an International School Theatre Festival, Kobenhavn, Denmark.
- Video-film productions for Ghana Road Safety Commission

Yeboah, A.G.

- Consultancy Services in Theatre for Development.

DEPARTMENT OF MUSIC

Overview/Courses

The Department of music continues to offer courses in the following areas: M.Phil (2 years), M.A. (1 year), B.A./B.Mus (2 years), Diploma in General Music (2 years). The Department's current enrollment of 223 includes students majoring in music as well as a good number of non-majors. Courses in Music of Africa (Theory and Practical) continue to attract a growing number of international students (Visiting/Special/Exchange) under the University of Ghana linkage programme.

The department's effort to enrich its programme continued this past year with particular focus on instrumental instruction. It would be recalled that there has been a steady decline in the attention given to music instruction in general in this country since the First Republic under the vision of Osagyefo Dr. Kwame Nkrumah. We would note that currently there are only a handful of institutions with any facilities at all for any kind of instrumental instruction in the first and second cycle schools. The attempts to keep this tradition going have been sporadic and largely out of private individual initiative.

Consequently, the quality of the Music Department's instrumental programme is a sad reflection of this reality. The Department lacks many instruments and quite incapable of keeping up with maintenance of existing ones .

Many of its students have never received any systematic instrumental instruction prior to their admission to the department which renders our programme adequate in comparison to what pertains elsewhere. For this reason the department has embarked on a renewed attention to this problem. We however believe that the few outstanding students ought to be encouraged to explore their potentialities to the maximum. For this reason we are happy to report that last year the department presented two female final year students in its B.A. and B.Mus programmes respectively, in the first ever graduate recital. It is hoped that this would serve as a shining example to other aspiring students.

In addition to the above, we have identified a few instrumental ensembles that are undergoing tremendous nurturing and attention. These includes the brass band, which featured prominently during the University Golden Jubilee celebration and

various other campus and off campus engagements. The others are, the choral ensemble, the popular music ensemble, string ensemble and the African Ensemble. In all these the work of the department is seriously hampered by lack of adequate facilities to enhance its programme effectively.

Donation to the Department

Last year the department received twelve computers from UCLA. a box full of replacement strings for Violin, Viola, Cello and Guitar instruments, from the people of the Netherlands. We are pleased to report that another box containing similar set of strings has been received from the same source through the initiative of Mr. Marcell t' Sas. We thank our donors sincerely for their continued support.

Research

Research work continued in the Department during the year. The research areas in which the staff were involved include.:

Darkwa, A.

- The music and dance traditions of the Girimna of Kenya.

Collins, J.

- On-going research into African popular music and dance.

Andoh, T.E.

- Choral Music of early Ghanaian composers.
- History of the evolution of Ebibindwom: The Akan sacred lyric, in the Methodist Church, Ghana.

Anku, W.O.

- On-going research on Rhythm and structure in African Music.
- Computer in African music research.
- African Music in Education

Amoah, G. M.

- Collection and compilation of African folk tunes as suitable teaching materials for beginners in Violin.

Mpereh, Dina

- Collection of folk songs from various ethnic groups in Ghana
- Research on Gospel Music. Case study - Mary Ghansah-Newman (for M.Phil in Music degree)

Richter, V.J.R.

- Collecting Piano Music by African composers and analysing them for the

purposes of teaching and recitals.

Publications

Collins, J.

- Fela and the Black President Film, Glendora African Quarterly of the Arts (ed) Dapo Adeniyi, Lagos, Vol. 2 No.2 1997 pp. 057-73.
- Paper at ICAMD/CAN [Culture African Network conference , Accra 9 - 12 August 1999 entitled "Some Thoughts on Folklore Copyright"
- Ghana Entry for Rough Guide to World Music. Rough Guide Publications London 1999 (ed. S. Broughton, M. Ellingham and R Trillo) p 488-498

Anku, W. O.

- Teaching Creative Dynamics of African Drumming: A Cross-Cultural Teaching Approach: Musics of the World's Cultures. ISME 1998 Pg. 75-84

Conferences/Seminars/Workshops

Anku, W. O.

- Workshop on the teaching of African Music & Dance in Schools ICAMD 15-17th Dec. 1999.

Collins, J.

- "Goombay: The Impact of Freed Slaves on African Popular and Neo-Traditional Music" Paper read at Afromusique Africana Colloquium, Bassam, Cote D'Ivoire 2-5 Dec. 1998
- "Ghana's Folk Tax: A Cultural Conundrum" Paper presented at the Regional Seminar on the Application of the UNESCO (1989) Recommendation on Safeguarding of Traditional Culture in African Countries, Legon, January 26-28, 1999.

Dzokoto, A.

- Composition, transcription and arrangement of African Art Music. Guest Conductor, National Symphony Orchestra and Director, Departmental Brass Band.

ABIBIGROMMA THEATRE COMPANY

Abibigromma Theatre Company, the Resident Theatre Company of the School of Performing Arts, University of Ghana, Legon, concluded a meaningful Educational Tour of some selected second cycle schools in the Eastern and Grater-Accra Regions, with the play "The Marriage of Anansewa" by Efua Sutherland. The tours sought to guide and prepare students of these schools in English and English

Literature for the S.S.C.E. in June and July 2001, and drew appreciation from the heads, teachers and students of these schools.

In August 2001, the University of Ghana hosted the West Africa University Games in soccer, hockey and volleyball. Abibigromma was privileged to be part of the historical meet when the group was engaged to perform at the ETS Drama Studio for the sportsmen and women from sister universities from the West African sub-region.

In September 2001, Abibigromma started preparations towards her bi-annual Theatre Festival dubbed "ABIBIGRO 2001", at the Efua Sutherland Drama Studio. The festival started on October 4, 2001 and ended on October 27, 2001. This month-long festival featured the following plays : Witch of Mopti, written and directed by Mohammed Ben Abdallah ; Tukana , an experimental theatre conceived, directed and produced by members of Abibigromma; Man Talk Woman Talk, written by Ola Rotimi and directed by Millicent Awuku-Mensah, The Marriage of Anansewa , by Efua T. Sutherland and directed by Margaret Cudjoe, Nightmare, a choreographed dance piece by Jessie Offei. There were also Musicals led by John Nutekpor.

Abibigromma is grateful to the following for their help in making the festival a success: Major Fred Sam (Rtd) of SED Ltd, who sponsored the printing of tickets and invitation cards; Images Group of Companies who provided three (3) banners, fliers and brochure/programs for the whole season; and Radio Universe for airtime on the weekly Sunday programme, Open-air Theatre. We appreciate very much their kind support.

On August 17, 2001, Abibigromma was commissioned by the Integrated Social Development Center (ISODEC), to come up with a theatrical sketch that highlights the impact of World bank and IMF policies on socially marginalised groups, especially with water privatization. The group effectively executed the project and performed the sketch, to the admiration of all, at the Teachers Hall on August 24, 2002. The audiences included the diplomatic corps, officials from the World Bank and IMF, members of the financial communities and also the general public including Mr. Dan Lartey of "domestication" fame.

The University College of Education, Winneba, in conjunction with the English Education Department requested Abibigromma to perform "The Witch of Mopti" play by Dr. Abdallah. The group accepted and honoured the invitation at the College's Assembly Hall on November 28, 2001.

The group closed the year with an invitation from the Ministry of Food and Agriculture to participate in the official launching of AGRIFEST 2001, a week-long National Agricultural Festival which ended with the National Farmers Day awards. For these national events, Abibigromma was commissioned to produce three sketches on the benefits of processed foods like cassava, plantain, cocoyam etc, and

the need to employ modern farming methods to help increase and improved yield, and the importance of the farmer as compared to other professionals. In the Minister's speech, he praised Abibigromma for a high quality performance. These performances were telecast live by GTV.

The year 2002 has just begun and already Abibigromma has made her mark by being part of the 1st Parliamentary Week of the Fourth Republic, which climaxed at the National Theatre with a performance by the group. Abibigromma performed "Ritual Murder" and "Ajamutukale", both by Oh! Nii Kwei Sowah, and Femi Osofisan's "Midnight Hotel" on January 19, 2002. 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.

Development Programmes

Abibigromma is currently facing the problem of a place of rehearsal as the group has to share the ETS Drama Studio with Lecturers, students and groups or individuals who hire the space for one thing or another. So as part of measures to find a partial solution to the problem, Abibigromma has been given a temporary space at the Estates Department of the University, and are currently developing it to be used as an alternate rehearsal place. We are appealing to the University authorities to help complete with development of the space.

Programme for year 2002

For the rest of this year a number of productions has been planned. On February 14-15, 2002, there will be repeat performances of Midnight Hotel at the ETS Drama Studio. This will be followed in March by the play Tit for Tat. This will be directed by Atta Xornam Owusu, a member of the group, an MFA-student production with Abibigromma as the resource group. This is in line with Abibigromma's objective in assisting with research in the University. In May 2002, Mr. Yaw Asare, a senior member and lecturer at the School of Performing Arts, will direct his play, Dance of the Spider. The play might be staged either at Alliance Francais, the National Theatre or at the ETS Drama Studio, Legon.

Due to pressure and accumulation of work, the group was unable to proceed on its annual leve in 2001. It is hoped that the group might proceed on leave between June – August, 2002.

Mr. Ben Quaye, a senior production assistant of Abibigromma will direct Femi Osofisan's Midnight Blackout to be performed at the ETS Drama Studio in October, 2002.

Also coming up will be some new musicals including atenteben (flute) music to be accompanied by dances under the supervision of Mrs. Margaret Cudjoe to be staged

at the ETS Drama Studio in November, 2002.

Abibigromma has not done any opera before. It is anticipated that the Artistic Director, Mr. T.E. Andoh, will direct an Opera and a musical piece to be produced in either November or December, 2002. In between the crowded schedules, the group would accept invitations to perform at state functions, or for private companies to enable the group earn revenue for the University. Already some invitations have been received from some state institutions and private corporate bodies to perform for them. Abibigromma is feverishly working on these invitations.

Also, the educational tours will be pursued this year, to give live performances of the set text for both English Language and Literature. It is Abibigromma's belief that these tours will go a long way to help students of the Second Cycle Schools understand the text for both English and Literature.

INTERNATIONAL CENTRE FOR AFRICAN MUSIC AND DANCE

Overview

The Centre was formally established at the University of Ghana in the 1992-93 academic year with the assistance of the Rockefeller Foundation, the Ford Foundation, and Swedish International Development Authority (SIDA) to serve as:

- a focus for the development of materials and programmes in African Music and Dance that meet the needs of scholars, research students, and creative artists;
- a Clearing House for information on events, artists, scholars and institutions concerned with the study and promotion of African Music and Dance;
- a forum for international meetings, conferences, seminars, workshops, and special events in music and dance.

The Centre operates as a unit within the School of Performing Arts so that visiting scholars and artists can interact with students and staff in their areas of research and creative interest and avail themselves of the classes and private lessons in African music and dance given by the traditional musicians and dance instructors of the School.

Staff

The International Centre for African Music and Dance maintained the same administrative structure as before, except for the appointment of an Acting Director (Dr. Asante Darkwa), and two clerks (necessitated by the volume of work at the Centre).

Emeritus Professor J.H. Nketia retired on December 31, 2001 as the Director of the Centre and now serves as a Consultant.

Local Secretariats and Chapters

Formal approval has been given by a number of selected Universities and Institutes in other parts of Africa for ICAMD Secretariats and Chapters to be set up within their Departments of Music. These Secretariats and Chapters are intended to serve as the outposts for the coordination of programmes with scholars and artists in the West, East and Southern Africa regions. Support for the administrative, secretarial and communication needs of these units is therefore being requested from Ford Foundation. The units that are ready for support include University of Transkei, Umtata, (South Africa), Maseno University, Maseno (Kenya), Makerere University, Kampala (Uganda), University of Ibadan, Ibadan (Nigeria), Institut National Supérieur des Arts et de l'Action Culturelle, Abidjan (Cote d'Ivoire).

Equipment

The Centre now has facilities for recording on DAT and audio cassettes as well as a turntable (45 and 33). CD player, equipment for dubbing reel to reel tapes, video and video cassettes, public address system (for conferences), a mixer, 8 Computers (in the office of the Director, Administrative Office, Secretary's Office, Publication Unit, Documentation Unit (CAN) 2, Library and Audio-Visual Archive, and 5 Macintosh Power Books (Laptops) purchased primarily for the use of Fellows-in-residence and Visiting Scholars, a laser printer and 2 Epson Printers in the Secretary's Office and Documentation Unit Office. It also has an HP Scanner and Duoscan AGFA Scanner. Others are a compact disc (CD) writer/burner, a data cartridge storage facility, a compaq projector, digital video camera and accessories, a digital video player and multi-faceted still camera. Donations made to the Centre by Visiting Scholars include a still camera, portable cassette recorders and accessories.

Library and Audio-Visual Archive

The holdings of ICAMD Library and Audio-Visual Archive have considerably expanded through direct purchases of local print and audio-visual materials as well as others acquired by the former Director during his trips to South Africa, Europe and the U.S. The library stocks important books on African culture, African music and dance, and for comparative purposes, books in other cultures which are extremely important. It has copies of dissertations, theses, long essays and very rare documents that cannot be found in Europe and America. The Library has also books on Western Music, Drama and Theatre Studies.

The audio-visual archive, which is the backbone of the Centre, holds over 1,500 audio cassettes, of which about 600 are field recordings by researchers, staff of the Centre and graduate students, as well as recordings of conferences, seminars and workshops organised by the Centre. There are 200 compact discs (CDs), 100 digital audio tape (DAT) recordings, 350 (VHS and Hi-8) video cassettes, 180 mini digital video cassettes and 500 coloured slides. Video interviews of 21 popular music artistes and 13 Gospel singers have been made within the ongoing CAN project on Music Makers.

The Culture African Network (CAN) is a non-profit Pan-African cultural project set up with funding from the Ford Foundation to establish a multi-media network for African Arts and Culture on a continental scale. There are seven core centres selected for the network and Ghana in 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 at Legon.

Donations

Donations of books, back issues of journals and periodicals, compact discs (CDs), audio cassettes and video recordings of field work in Ghana, were received from various individuals, organisations and institutions. By far the most extensive was about 200 books from the University of Michigan, Ann Arbor, U.S.A. This collection includes music books on History of Western Music, Theory and Composition, Scores, Journals and Periodicals.

Core Activities of the Centre

The Documentation Unit

The unit undertook the documentation of a few events such as the traditional dance forms and festivals of the Upper East and Upper West Regions in Ghana, the music and dance forms of Afa system of divination, and Akpalu songs of Anlo Ewes of the Volta Region.

A website "African Traditional, Popular and Art Music" has been designed by Dr. P. Zabana Kongo, a Senior Fellow of the Centre, to enable research scholars, composers and students access ICAMD's archival holdings. These holdings include audio-visual materials – tapes, quicktime files, videos, books, dissertations/theses, etc.

This objective has been extended to monitoring the Center's activities and events (conferences, meetings, festivals, and concerts) as well as current research both in cultural and theoretical areas. Web pages have also been designed to provide musical material to be accessed by the youth.

Memorial Lectures

One of the major events of the Centre is the Dr. Ephraim Amu Memorial Lecture organised locally in March every year at the National Theatre. Last year's Amu Memorial Lecture was delivered by Dr. Letitia E. Obeng under the title of "Dr. Ephraim Amu, A Portrait of Cultured Patriotism".

Fellowship Programmes

ICAMD has given two fellowship awards to young Ghanaian scholars who are pursuing graduate studies at the Institute of African Studies, Legon. One of the expatriate Fellows of the Centre, a Nigerian, has completed her Ph.D. programme in African Studies. Three other fellows from Zimbabwe and Zambia have completed their studies in Music and Dance and have returned home. Two others are yet to

present their dissertations for assessment and defence.

International Cooperation

Working relations have been established with a number of international bodies and institutions such as the International Music Council (UNESCO) for whom the Centre serves as a regional secretariat, University of Michigan, Ann Arbor, and Swarthmore College, where the Centre is developing a joint dance archive and exchange programme that allows for short term training in cataloguing, video editing, etc. to be arranged from time to time for ICAMD technical staff.

The Centre has sought further training and on-the-job experience in collaborative projects with the Colombia College of Chicago's Centre for Black Music Research (CMBR), for whom the technical staff of the Centre serve as editors on Africa for their website. ICAMD is developing a joint website with the Archive of Traditional Music at Indiana University, Bloomington. U.S.A.

Publications/Productions

ICAMD has published some music books, and teaching manuals and produced audio cassette albums and CDs on African Music. These include:

1. A Guide for the Preparation of Primary School African Music Teaching Manuals, (Edited by J.H. Kwabena Nketia)
2. 5 Dialects in African Pianism (Gyimah Labi)
3. African Pianism: Twelve Pedagogical Pieces (J.H. Kwabena Nketia)
4. African Drum Music: Kpanlogo, Adowa, Slow Agbekor, performed by Master Drummers of the Ghana Dance Ensemble (Kongo Zabana)

Conferences/Seminars/Workshops

Professor J.H. Kwabena Nketia attended many conferences in South Africa, Germany, Italy and the U.S.

Dr. Asante Darkwa attended the Travelling Institute for Music Research in South Africa Seminar/Workshop on "Research in African Music: Its Relevance to Music Education in South Africa" at the Department of Music, University of Transkei, Umtata, September 12-14, 2001.

SCHOOL OF COMMUNICATION STUDIES

Overview

The School successfully ran its Graduate Diploma and Master of Arts/Philosophy degree programmes

Enrolment numbers were:

Graduate Diploma 30

Master of Arts	4
Master of Philosophy	4

Staff

Prof. Kwasi Ansu-Kyeremeh was appointed Director of the School for a three-year term.

The full-time strength at post was six (6). Prof. Kwame Karikari took a year's leave without pay. Ms. Audrey Gadzekpo was away for six months to continue her Ph.D. programme at University of Birmingham.

Research

Ansu-Kyeremeh, K.

- (November/December 2000) Pre- and Post-Election Survey of Voters in the Berekum and Wenchi East Constituencies (With Department of Political Science, University of Ghana).
- (October, 2000) "A Survey of Public Opinion About the 2000 Presidential and Parliamentary Election", (With Kwame Karikari and A. Essuman-Johnson).
- (July 2000) Audience Participation in FM Broadcasting: The Phone-in Phenomenon and Its Socio-Political Implications.

Amoakohene, Margaret Ivy

- Water Accessibility and Supply in Ghana
- An evaluation of Radio Ada's Political Party Programme Series
- A Study of 'FAIR' Coverage of Political Parties by the State-Owned Media In Ghana

Gadzekpo, Audrey

- Principal Consultant, Media Monitoring Project, March-December, 2000. Co-ordinated by the Centre for Democratic Development.
- Consultant, UN Leadership Project, May-December 2000, Co-ordinated by the Centre for Democratic Development.

Publications

Ansu-Kyeremeh, K.

- (2000a) "*Meeting the Challenges of Professional Journalism*". *Training in Ghana for the 21st Century*. Accra: GIJ in association with SCS.

Ansu-Kyeremeh, K., Karikari, K., Bonnah-Koomson, A.K. and Essuman-Johnson, A.

- (2000) *Democratic Governance in Ghana Under the 1992 Constitution*.

Accra: Institute of Economic Affairs.

- (2001) "Culture of Silence": Change Without Continuity in an African Communication Framework, *Legon Journal of Humanities*, (Forthcoming).

Amoakohene, Margaret Ivy

- "Public Relations And The Law", in Kwame Karikari and Kofi Kumado (Eds), *The Law And The Media In Ghana*.

Gadzekpo, Audrey

- (Forthcoming) "Gender Discourses and Representational Practices in Gold Coast Newspapers" *Jenda*.
- (Forthcoming) "Perceptions of Ethical Propriety in the Ghanaian Media", accepted for Publication in *African Media Review*.
- (2001) "Reflections on Ghana's 2000 Elections". *Review of African Political Economy*, 88:2001, 267-73.
- (2000) "Press & Politics in Ghana," in Mbayo, R., Onwumechili, C., & Nwanko, R. (eds), *Press and Politics in Africa*. The Edwin Mellon Press Lewiston, Queenston, Lampeter.

Conferences, Seminars, Workshops

Ansu-Kyeremeh, K.

- (November 21, 2000) "Training Workshop for Journalists on Reporting Opinion Survey Results". By School of Communication Studies in conjunction with Canadian International Development Agency.
- (July, 2000) Consultant, International Federation of Election Systems- "Developing How to Sponsor a Candidate Debate: A Handbook for Civil Society Organizations and Accompanying Trainers' Manual for Ghanaian Civil Society Orgnaizations".
- (December 11-13, 2000) UNESCO Curriculum Review Workshop for Communication Trainers in Anglophone West Africa, School of Communication Studies, University of Ghana, Legon.
- (Tuesday, November 21, 2000) Workshop for Journalists on Reporting Election Opinion Survey Results.
- (April 12-April 13, 2000) Communication Seminar for Catechists in the Sunyani Diocese of the Catholic Church.
- (January 27-28, 2000) "Report Writing". Paper presented at Seminar for Senior Officers of Ministry of Agriculture, Volta Region.

Extension and Extra Curricula Responsibilities

Ansu-Kyeremeh, K.

- (2000) Member, Information & Education Sub-Committee of Technical Committee for Implementation of ECOWAS Treaties.

- (2000) Chair, Ghana Journalists Association Journalist of the Year 2000 Awards Committee
- (2000) Member, Education and Publicity Committee of the National Census Planning Committee.

Amoakohene, I. M.

- Tutorial Board, Mensah Sarbah Hall
- Hall Council, Mensah Sarbah Hall
- Member, National Media Commission
- Vice-President, Institute of Public Relations, Ghana.
- Treasurer, Federation of African Public Relations Associations (FAPRA)

Gadzekpo, Audrey

- Co-interviewer first ever Ghanaian Presidential Debate, September 27, 2000.
- Member of Jury, Award for West African Journalism, 2001.
- Panelist, Media Review Program, Radio Univers, from February, 2000-Present
- Panelist, Media Review Segment of Breakfast Show, GTV, January 2000-Present
- Consultant, Writing Skills for Journalists workshop, sponsored by the NIRP November-December, 2000.

SCHOOL OF PUBLIC HEALTH

Overview

As part of its mandate, the School of Public Health continued working towards the achievement of its major objectives of producing public health practitioners capable of providing effective leadership, diagnosing community health problems as well as planning and organizing effective measures for solving community health problems. The School also undertook research activities in the year under review.

The Directorship of the School changed in December 2000 when Prof. S. Oforu-Amaah formally retired from the position and was replaced by Dr. Frederick Kodzo Wurapa as Director of the School.

The School wishes Prof. S. Oforu-Amaah a deserving rest from his present founding efforts that have provided the School a sound foundation.

Courses

Master of Public Health (MPH) Programme

The School offered the twelve-month MPH Programme (September to August) as the main course run by the School. Students were also admitted into the M.Phil and P.hD Programmes of the School.

Intake for the 2000/2001 Academic Year

The School admitted 27 applicants for the MPH Programme for the 2000/2001 academic year. The 27 were made up of Physicians, Graduate Nurses, Pharmacists and Social Scientists.

With the graduation of this batch of residents, 104 people have so far graduated from the School's MPH Programme. Half of these graduates are Physicians and the rest have Nursing, Social Science, Pharmacy or Veterinary backgrounds.

At the post-MPH level, five students are undertaking the M.Phil and two enrolled on the Ph.D Programme of the School.

Details of MPH Admissions for the 2000/2001 Academic year

Doctors	15
Nurses	2
Pharmacists	2
Social Scientists	4
Total	23

Non-Ministry of Health Fellows:

Doctors	3
Social Scientists	1
Total	4
No. of females	20
No. of Males	7
Total	27

M.Phil /Ph.D Admission for the 1999/2000Academic year

Physicians	3
Veterinary Surgeons	2
Total	5*

(*Including one Ph.D candidate)

Short Courses

The School mounts short courses in response to specific needs of the Ministry of Health and other agencies. Such courses take place during the field practice period when MPH students are away in the districts. However, the regularly run short course of the School in the course Social Mobilization that was first organized in the 1998/99 academic year. The course was run in collaboration with UNICEF Ghana. Another short course that has been planned by the School is the Management of District Health System, Maternal and Family Planning and Child Health Services.

Regional Social Mobilization course, 2000/2001 Academic Year.

The Short course in Social Mobilization in Health and Development is a regional course for West Africa and was organized by the School with some support from UNICEF Ghana. The six-week course began on June 5, and ended on July 14, 2000. The course aims at improving the capacity of personnel in Anglophone Sub-Saharan Africa to respond to social mobilization needs for the planning and implementation of national development programmes.

National Diploma in Public Health (NDPH)

The National Diploma in Public Health (NDPH) Programme, which is being developed in the context of an on-going national education reform programme, is still on the drawing board. It is being developed for further training of health professionals who possess post-secondary qualifications and a number of years working experience in professional areas related to health.

Other Relevant Courses

The School continues to put in place structures to assist in the near future, the preparation of physician candidates for professional examinations such as the Fellowship Programme of the West African Postgraduate Medical College.

Staffing

Permanent Academic Staff

The number of permanent lecturers on the academic staff of the School stood at seven in the year under review.

However, efforts have been stepped up towards the recruitment of the full complement 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. In all 8 (eight) candidates have been proposed by the School to the Appointments Board of the College of Health Sciences. The appointments of 3 (three) candidates have already been recommended for the approval of the Appointment Board of University of Ghana.

Part-Time Academic Staff

There are 35 part-time teachers drawn mostly from relevant Schools, Institutes and Departments of the University of Ghana. Other experts from outside the university are drawn from GIMPA, the Ministries of Health, Local Government and Rural Development and the National Population Council. Some other experts are also drawn from the Departments of Community Water and Sanitation, Waste Management Department of Accra Metropolitan Assembly, the Centre for Occupational and Environmental Health and Unilever Ghana Limited.

These experts from outside the School teach in various fields including Biostatistics, Disease Control, Veterinary Science, Epidemiology, Maternal and, Child Health, Nutrition, Occupational Health and Social Sciences. The inputs of part-time teachers drawn from such a wide spectrum relevant to public health bring a rich blend of skills to bear upon the training offered under the MPH Programme in the School.

Efforts are under way to formalize the relationship with Part-Time Teachers and to have a joint appointment with them to ensure their commitment fit teaching appointments at UGSPH in their schedules. It is hoped that giving them formal appointments would raise their level of commitment to the work of the School.

Consideration is also being given to a joint appointment arrangement between UGSPH and the Ministry of Health to ensure recognition for the work of part-timers drawn from MOH, without duplicating emolument.

Field Practice

As is the practice, various District Directors of Health Service in the UGSPH collaborating districts assisted in the supervision of students during the Field Practice phase of the MPH Programme in the year made review Field Practice which covers a period of 17 weeks ended in late August 2000. 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 were also invited.

To ensure uniformity in supervision for the field practice component of the MPH Programme, the annual Supervisors' Orientation Workshop was organized to discuss pertinent issues concerning field practice Specialists from collaborating Research Centres, (Navrongo and Kintampo Health Research Centres) and MOH.

The School plans to collaborate with MOH in developing selected field sites into "Centres of Excellence" in order to promote specialist training and research, apart from providing support for a more efficient field practice for students. In this regard, the School plans to reduce the number of field sites from 22 to 10 and to refurbish the centers, providing the necessary plant and equipment, with MOH providing the requisite qualified personnel as laid out in a memorandum of understanding between the School and MOH.

Research

The School undertook research on issues of immediate relevance to the development of effective health policies. The key research activities undertaken by the School are listed below.

Child Health and Development (CHAD) Project

Following the study of the national annotated bibliography of school-aged children

in Ghana conducted by the School of Public Health, it was realized that data on the physical as well as mental development of school-aged children was scarce and that there is a dire need to conduct a comprehensive study to determine how healthy our children are.

CHAD the second phase of the School-Aged child health study, dealing with the physical growth, events of adolescent spurt, behavior characteristics as well as their mental and intellectual attitudes are at its concluding stage. The report is being put together and will be widely disseminated as soon as it is ready.

Student Dissertations

MPH Residents worked on dissertations, the topics chosen in relation to the felt needs of the districts in which they undertook field practice.

Apart from researching for the writing of their dissertation, MPH Residents also studied and wrote reports on health and management problems of relevance to the districts to which they were posted for field practice.

Evaluation

The School undertook two major evaluation exercises during the year under review. Working in collaboration with the Ministry of Health, the School carried out an internal evaluation exercise. In this exercise, two independent local consultants were engaged to undertake "an evaluation of the School as a whole, including its historical antecedents and inputs, operational processes and outputs, paying particular attention to the effectiveness of its products in their various places of work"

The report on the external evaluation of the School, which was sponsored by the Rockefeller Foundation, is being finalized. It is part of a general evaluation of the ideal for which the Public Health Schools Without Walls (PSHWOW) were set up in Africa and Asia under the auspices of the Rockefeller Foundation.

When completed, the report of the external evaluation exercise will be useful in determining the way forward for the school's future development.

Foreign Relations

The School continued to maintain the existing cordial relations established with a number of institutions, especially sister PSHWOWs. Key among these institutions are those in Africa especially, the School in Zambia and Uganda.

The School continues to enjoy good relationship with DANIDA, Rockefeller Foundation and Clark Foundation as well as DFID and the relevant specialized organs of the UN namely WHO, UNICEF and UNFPA. Links exist between the School and leading British institutions such as the Liverpool School of Tropical Medicine.

Benefaction

The School continued to receive support from UNICEF Ghana to organize the Second Regional Social Mobilization Course from June 5 to July 14, 2001.

Initial funds of the grant for the Gates Malaria Centre have been released for work to commence on the new buildings and the relevant initial project activities.

The Bill and Miranda Gates Foundation have made available to the School a grant to be disbursed over a period of five years. The grant is part of a larger fund given to the University of London School of Tropical Medicine to set up a Centre for the Prevention and Treatment of Malaria.

The grant to the School provides, among other things, funds for the commencement of the first phase of permanent buildings for SPH that will include classroom facilities and a distance-learning Centre for work on malaria. Part of the grant will go into equipment for the new building.

The Gates Malaria Project-Ghana is to train personnel working in the health sector and offer support to the work of academics in the prevention and treatment of malaria for the West African sub-region. A Steering Committee based on a tripartite arrangement involving three collaborating institutions has been set up. The partner institutions include NMIMR and MOH.

Publications, Conferences, Seminars and Workshops Attended

Wurapa, F.

- February 2001 – Gave the annual lecture of the West African College of Physicians Scientific Meeting in Monrovia Liberia entitled: The Challenge of Integrated Disease Surveillance in the West African Sub-region.
- May 2001 - Ministry of Health Ghana reviewed the National Polio Eradication Initiative in collaboration with four other members of the Certification of Eradication of Polio.
- July 2001 - Attended the International Advisory Committee for the Gates Malaria Programme at the London School of Hygiene and Tropical Medicine.
- October 2001 – Served as an external examiner at the Institute of Public Health, Makerere University, Kampala, Uganda.

Pappoe, Matilda

- Workshop: capacity-building on Situation Analysis methods in the context of Sex In West and Central Africa; Abidjan, Cote d'Ivoire, 21-24 March 2000.
- The PHSWOW meeting in Trivandrum-India.

Visitors

1. Dr. Imelda Bates, London School of Hygiene and Tropical Medicine, February

- 2001.
2. Dr. Geoff Target, London School of Hygiene and Tropical Medicine, February 2001.
3. T. Kobagakawa, J.C.A Mission, March 8, 2001.
4. Toruoko Takuuchi, J. C. A. Mission, March 8, 2001.
5. Takastsi Matsugame, J. C. A. Mission, March 8, 2001.
6. Mrs. Cathy Bowler, L. S. H. M, August 23-31, 2001.
7. Dr. Tracey Henshaw, L. S. H. M, August 23-31, 2001.
8. Prof. Brian Greenwood, L. S. H. M, August 23-31, 2001.
9. Dr. Tracey Henshaw, L. S. H. M, November 2001.

INSTITUTES

INSTITUTE OF ADULT EDUCATION

Overview

During the year under review, the Institute made conscious efforts at fulfilling its mission - research, teaching and community service - in spite of serious logistics constraints.

Staffing

There are twenty-three Senior Members made up of twenty teaching staff, two of whom are retired, and three administrative staff including one administrative secretary at the External Degree Centre.

Courses

Courses offered still ranged from the one-year Certificate through a two-year Diploma, one-year Master of Arts, two-year Master of Philosophy to part-time Doctorate. Enrolment figures for the year are as follows:

Certificate	11
Diploma I	75
Diploma II	83
MA/M.Phil.	22
Ph.D.	6

TOTAL	197

Apart from these figures, there are over forty Graduate research students who are undertaking their researches in various areas of study.

Owing to resource constraints, the Certificate in Adult Education course had to be moved from the Awudome Residential Adult College at Tsito to Legon this academic year.

External Degree Centre

Apart from teaching the Discipline of Adult Education, the Institute continues to run the Part-time Degree Programme at the External Degree Centre of the Accra Workers College on behalf of the University. The External Degree Centre currently offers courses leading to the award of Bachelor of Arts and Bachelor of Science (Administration) degrees. The syllabuses and other requirements for the degrees remain the same as those for full-time students on the main University Campus, except that study at the centre is part-time and the duration covers a period of not less than four academic years.

Unlike the previous years when students at the External Degree Centre studied there for two years and joined full-time students at the main campus, students enrolled at the centre will now complete their programmes on part-time basis at the centre and be issued the same degrees as their counterparts on the main campus. In line with this innovation, the centre registered its third year students this year and it is hoped they will be awarded their degrees from the centre at the end of the 2002/2003 academic year. On admission now are more than one thousand five hundred students. The breakdown is as follows:

	Administration	Humanities	Total
Year One	105	359	464
Year Two	101	416	517
Year Three	115	423	538

It is obvious that, but for the centre these students would have either lost the chance of pursuing a University education or put excessive pressure on the already overstretched facilities at the University

Apart from the External Degree, which has the same entry requirements as the main campus programmes, the Institute continues to select for degree programmes adults who are desirous of pursuing University education but lack the requisite qualifications. This is done through the Institute's Mature Students' selection programme for people of thirty years and above who show the ability to study at the University. This year, more than three hundred candidates were given admission through this avenue to embark on degree programmes at the University.

Preparation for next academic year's admissions is under way and it is hoped the number of candidates will increase considerably over the current number admitted.

Senior Secondary School

Our effort at promoting formal education has seen a slight shift this year. In the past, the Institute prepared adults for higher education through the organization of part-time classes for workers to write the General Certificate examinations. This year, the Institute, through some of its regional Centres, has initiated what has been termed 'University of Ghana Senior Secondary Schools.' Notable among these are the Kumasi, Accra and Sunyani Schools. However, the Accra School has had to phase out to make room for the expansion of the external degree programme.

Professional Training Programmes

Professional programmes have also been intensified at most of the regional centres within the year. Diploma in Business Studies (DBS), Accountancy and Secretarial Courses have been instituted at Wa, Bolgatanga, Koforidua and Sunyani. At Sunyani the Institute, in collaboration with the Kwame Nkrumah University of Science and Technology (KNUST), has set up a Centre for Continuing Education and Development to run programmes such as Diploma in Business Studies (DBS).

Advanced Business Certificate (ABC) and General Business Certificate (GBC).

Distance Education

One major problem facing tertiary education in this country today is the inadequate academic and residential facilities for absorbing the ever-increasing number of qualified applicants. Distance learning is therefore seen as a vital avenue for easing the pressures on these academic and residential facilities. The Institute, acting on behalf of the University, has launched a Youth Development Programme in partnership with the National Youth Council (NYC) of the Ministry of Youth and Sports and the Commonwealth Secretariat. The first batch of fifty (50) students have been matriculated this year to begin a two-year Diploma in Youth Development Work.

The Institutes Residential Schools

The Institute, as usual, held its two Residential Schools. The Annual New Year School was held at the Commonwealth Hall, Legon in January 2001 while the Northern Easter School took place at Wa in the Upper West Region. The theme for the New Year School was "Globalisation and the Socio-Economic Development of Ghana" and that of the Northern Easter School was "Globalisation and the Socio-Economic Development of Northern Ghana."

Both schools were well patronised in spite of the rising cost of participating in the schools.

Non-Formal Programmes

Our activities for the year have not been focused entirely on academic programmes. Community service at the non-formal level has been given serious attention within the period. The Ghana-Canada in Concert Programme, which aims at agro-forestry and socio-economic development programmes now taking place in the western corridor stretching from the northern fringes of Brong Ahafo to Wa in the Upper West regions, has been intensified in the project area. Once again, this is a collaborative programme involving the Institute of Adult Education, the Institute of Renewable Natural Resources (KNUST) and two other Universities in Canada. It is sponsored by CIDA

The Institute continued to strengthen the Mass Media Support for Adult Population Education in the three pilot regions of Upper West, Upper East and the Volta, even though the project ended in 1999. A new programme in the Population Unit is due to take off soon.

Apart from these major projects, an array of income generation activities designed mainly for women and supported financially by the German Adult Education Association, took place in several communities, especially in the rural communities in all the regions.

Research and Publications

Within the year, the staff of the Institute have embarked on serious research activities culminating in the production of a manuscript on various topics of relevance on adult education and development.

Individual efforts at publications also showed commendable signs. Two books; one on Non-Formal Education and the other on Foundations of Adult Education have been published. These are:

1. Aryee, E.A. (2001), *Foundations of Adult Education Practice in Ghana*, Eddyman Press, Koforidua.
2. Amedzro, A.K. (2001) *The Awudome Residential Adult College of the University of Ghana: Excellence in Community Education*, IAE Press, Legon.

The Institute's Journal, *Ghana Journal of Literacy and Adult Education*, Vol.2 No.1 was also published, and editing of articles for the publishing of a new Handbook on Adult Education is in progress.

Constraints

We have been successively experiencing cuts in our financial resources. Our equipment are getting obsolete and maintenance costs are rising beyond manageable limits. Three of our regional centres: Upper East, Central and Volta have no vehicles, even though most of the Institute's projects are located in these regions.

Lecture space and Library facilities at the Institute are woefully inadequate. There is virtually no space for students to sit and read in-between lectures. Space at the External Degree Centre is also filled to capacity and unless immediate steps are taken to expand facilities at the Centre, the laudable aim of encouraging workers to study and also to ease the pressures on the University may suffer a serious setback.

INSTITUTE OF AFRICAN STUDIES

Overview

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 and Women and Gender Studies.

In addition, Fellows participated in many Workshops and Conferences in Ghana and abroad on issues relating to culture, health, environment, gender, development and social change in Africa.

Dr. (Mrs.) Irene Odotei continued to act as Director and Professor Takyiwaa Manuh also continued to act as Deputy Director during the 2000/2001 Academic Year.

Staffing Position

At the beginning of the 2000/2001 Academic Year, the total workforce of the Institute was 124 made up of 29 Senior Members, 26 Senior Staff, 28 Junior Staff, 28 other Junior Staff of the Ghana Dance Ensemble and 13 other staff at the Institute's Chalets.

List of Senior Members

1. Dr. Irene Odotei
BA (Hons) Ph.D. (Ghana) Ag. Director
2. Prof. Takyiwa Manuh
*(Hons) (Ghana),
LL.M. (Dar-Es Salaam),
Ph.D. (Indiana)* Associate Professor, LL.B
Ag. Deputy Director
3. Prof. J.H. Kwabena Nketiah Emeritus Professor
4. Prof. Mary E. Kropp-Dakubu
BA (Quebec) MA (Per) Ph.D. (London) Professor (on contract)
6. Prof. Christine Oppong
*M.A. Ph.D Social Anthro. (Cantab.),
M.A. African Studies. (Ghana)* Professor
7. Prof. George P. Hagan
*BA (London) MA (Ghana)
B.Litt., D.Phil. (Oxon)* Assoc. Professor (on contract)
8. Prof. Nana Abayie Boateng I
BA (Hons), MA, Ph.D. (Ghana) Associate Professor (Leave prior
to retirement)/Senior Research
Fellow (on contract)
9. Mr. Atukwei Okai
*MA (Litt.) (Gorky), M.Phil. (London)
Dip. Tran. (Lumumba)* Senior Research Fellow and
Head, Language, Literature
Drama
10. Mr. Nii Yartey
*Diploma Dance (Ghana)
MFA (Illinois)* Senior Research Fellow
11. Dr. A. K. Awedoba
MA (Ghana), D.Phil. (Oxon) Senior Research Fellow

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| 12. | Rev. Dr. S. Quarcoopome
<i>BA (Hons), MA., Ph.D (Ghana)</i> | Senior Research Fellow and
Head, African History and
Politics |
| 13. | Dr. Owusu-Brempong
<i>BA (Iowa), MA., Ph.D (Indiana)</i> | Senior Research Fellow and
Head, Societies and Culture |
| 14. | Dr.(Mrs) Brigid Sackey
<i>MA (Marburg), Ph.D (Philadelphia)</i> | Senior Research Fellow and
Head, African Religion and
Philosophy |
| 15. | Dr. Akosua Adomako-Ampofo
<i>B.Sc, M.Sc.(UST), Ph.D (Vanderbilt)</i> | Senior Research Fellow |
| 16. | Mrs.Esi Sutherland-Addy
<i>BA (Ghana), MA (Calif.)</i> | Research Fellow |
| 17. | Dr. Kojo Amanor
<i>BA, Ph.D.,(London)</i> | Research Fellow |
| 18. | Rev. Dr. A. Ako Akrong
<i>L.Th., BA(Hons)MA.(Ghana),
M.Th.(LSTC) Ph.D (Chicago)</i> | Research Fellow |
| 19. | Dr. Alex. A. Agordoh
<i>BA. M.Phil (Ghana), Ph.D.</i> | Research Fellow |
| 20. | Mr. Kwame Amoah Labi
<i>BA (Hons)(UST), M.Phil (Ghana)</i> | Research Fellow |
| 21. | Mr. Nee Kwatey Owoo
<i>BA (Hons) (London), Film Production</i> | Associate Research Fellow |
| 22. | Ms. Misonu Amu
<i>Dip. Music, M.Phil(Ghana)</i> | Tutor |
| 23. | Mr. Benjamin Obido Ayettey
<i>Dip. Theatre Arts (Ghana),
M.F.A. (Aziz)</i> | Tutor |
| 24. | Mrs. Olive A. Adjah
<i>BA., Dip. Lib.(Ghana),
MA. Library Studies (Liverpool)</i> | Assistant Librarian |

25. Mrs Delali Badasu Co-od – Graduate Seminars
BA (Hons), MA (Ghana) MA (Alberta)
26. Mr. Ebenezer Ayesu
BA (Hons) History,
M.Phil. African Studies (Ghana)
27. Mr. Osman A. R. Alhassan
BA (Ghana), M.Phil (Bergen)
29. Mrs Stella Dovlo Administrative Secretary
BA (Hons), MPA (Ghana)

Professor Mawere Opoku Emeritus Professor, Technical Advisor (Ghana Dance Ensemble), passed away in February 2001.

Mr. Osman A. R. Alhassan and Mr. Ebenezer Ayesu were appointed Fellows of the Institute. Mr. Kwame Amoa Larbi proceeded to University of California, Los Angeles as a Junior Fulbright Scholar. Professor Christine Oppong was away on a one-year leave of absence. Professor. Nana Abayie Boateng I and Mr. Atukwei Okai retired from the University. Professor George Panyin Hagan was also appointed Chairman of the National Commission on Culture.

Senior Staff

There were 26 Senior Staff in the Institute.

Junior Staff

There were 28 Junior Staff and 28 other Junior Staff of the Ghana Dance Ensemble.

IAS Chalets Staff

There were 13 other employees at the Institute's Chalets.

Courses

Level 200 Course: As in the past, the Institute was responsible for teaching the Level 200 course in African Studies. This course was again taught in two (2) parts. In addition to the six courses for the Part A on Culture and Development Issues in Africa taught in the First Semester, two courses were introduced to cut down the large numbers in the classes. Part B, which enabled students to acquire knowledge and practical skills in Languages, African Music, Dance and Drama through participation in demonstration classes, was also taught in the first and second semesters.

Group A

AFST 200

Appropriate Technology for Rural Development In Africa

AFST 210	The Social Framework of Economic Development
AFST 220	Africa in the Modern World
AFST 221	Africa and the Diaspora
AFST 230	Culture and Development
AFST 231	Chieftaincy and Development
AFST 240	Our Africa Heritage through Literature
AFST 250	African Popular Culture: Traditional Festivals and Funeral Ceremonies

Group B

AFST 260	Language Proficiency course
AFST 270	African Music
AFST 280	African Dance
AFST 290	African Drama

M.A./M.Phil. Courses

AFST 601:	Research Methods I
AFST 602:	Research Methods II
AFST 603:	Theories and Strategies for Development in Africa I
AFST 604:	Theories and Strategies for Development in Africa II
AFST 605:	Government and Politics of Independent African States I
AFST 606:	Government and Politics of Independent African States II
AFST 607:	African Oral Literature (Part I)
AFST 608:	African Oral Literature (Part II)
AFST 609:	Drama in African Society (Part I)
AFST 610:	Drama in African Society (Part II)
AFST 611:	African Literature (Written I)
AFST 621:	African Literature (Written II)
AFST 613:	African Social Systems
AFST 614:	African Political Systems
AFST 615:	Religions of Africa (Part I)
AFST 616:	Religions of Africa (Part II)
AFST 617:	Music in African Cultures (Part I)
AFST 618:	Music in African Cultures (Part II)
AFST 619:	Social Change in Modern Africa (Part I)
AFST 620:	Social Change in Africa (Part II)
AFST 621:	African History I: Historiography and Methodology
AFST 622:	Ghana Since 1945
AFST 623:	The Slave Trade and Africa
AFST 624:	History of Pan-Africanism
AFST 625:	Ghana: Coastal States in the Seventeenth Century
AFST 626:	Colonial Rule and African Responses
AFST 627:	Asante 1824-1874
AFST 628:	Islam and Christianity in Africa
AFST 629:	Economic History of West Africa Since 1800

- AFST 631: Culture and Gender in African Societies
- AFST 632: Gender and Development in Africa
- AFST 640: Seminar Presentation I & II
- AFST 641: African Family Studies (Part I)
- AFST 642: African Family Studies (Part II)

Student Numbers

During the 2000/2001 academic year, 2,525 students registered for the Level 200 African Studies course. 24 students were admitted to the M.A./M.Phil. courses and to the Ph.D. course. In addition, there were 53 MA/M.Phil. and 15 Ph.D. continuing students. The Institute also hosted two occasional and affiliate students, six (6) students from State University of New York (Brockport) and twenty-five from School for International Training (U.S.A.).

Staff/Graduate Seminars: The Institute's staff and graduate seminars, which give students the opportunity to present their theses proposals and research findings as well as expose them to broader research issues and findings by Fellows and visiting academics, came off as usual during the 2000/2001 academic year. The seminars were well patronised by staff, students, visiting professors, students from other Universities, the University community and others from the wider society. A total of twenty-one speakers presented papers on a wide variety of topics on Africa's culture, Religion, History, Music, Linguistics and the Diaspora.

Papers were presented on contemporary issues such as economic transformations and integration and their implication for exercising sovereignty along the national borders and environmental challenges such as bush fires.

Listed below are topics of papers presented at the seminars:

- "Working the Borders: Constructing Sovereignty in the context of Liberalization", Dr. Brenda Chalfin, University of Florida, U. S. A
- "Ancient Maps as Sources for the History of South-West Ghana", Dr. Pierlvigi Valseechi, University of Urbino, Italy
- "18th Century Fanteland and the Atlantic World: A Research Proposal": Mrs. Rebecca Shumway Manelski, Emory University, Atlanta, U. S. A
- "A Survey of the Expressive Arts in the 1990s", Mrs. Esi Sutherland-Addy, Institute of African Studies, University of Ghana, Legon
- "The 1892 Native Customs Ordinance and Two Krobo States: Spatial and Social Change in the late 19th Century Gold Coast", Mr. Veit Arft, Basel University, Germany
- "The Regional Disparities in Ghana's Fertility Transition", Mrs. Delali Badasu, Institute of African Studies, University of Ghana, Legon.
- Spiritual Deliverance as a Form of Health Delivery: Dr. Brigid Sackey, Institute of African Studies, University of Ghana, Legon
- "The Ewes of Ghana: People of Two Musical Cultures", Dr. A. A. Agordoh, Institute of African Studies, University of Ghana, Legon.

- "The Squatter's Tale", Dr. Ike Oguine, Attorney, Chevron Nigeria Ltd
- "Sexual Demand: Sexual Exchange in Sub-Saharan Africa", Dr. A. Adomako Ampofo, Institute of African Studies, University of Ghana, Legon.
- "Asafo Arts: History of Development", Mr. K. Amoah-Labi, Institute of African Studies, University of Ghana, Legon.
- "Trokosi System", Togbui Adaleku II, Nogokpo, Volta Region.
- "The Science of Bush Fire Management in Ghana", Dr. Kojo Amanor, Institute of African Studies, University of Ghana, Legon.
- "Functions of Art in Fante Asafo Culture", Mr. K. Amoah Labi, Institute of African Studies, University of Ghana, Legon.
- "Abrokyire (A) Ba: Children of Ghanaians Parents in Toronto", Canada" Prof. Takyiwaa Manuh, Institute of African Studies, University of Ghana, Legon
- "The Frafra Women-Linguistic Aspects of the Political and Legal Discourse", Prof. M. E. Kropp-Dakubu, , Institute of African Studies, University of Ghana, Legon.
- "Chieftaincy, Christianity and Politics in Akwapim", Mr. E Ayesu, , Institute of African Studies, University of Ghana, Legon.
- "Doing Focused Ethnographic Research", Dr. A. K. Awedoba, , Institute of African Studies, University of Ghana, Legon.
- "The Performing Arts in Ghana in the 1990s: Continuity and Change", Mrs. Esi Sutherland-Addy , Institute of African Studies, University of Ghana, Legon

Project Development

Professor Takyiwaa Manuh

- 'Women's Health in the City of Accra'- 'The Ghana Universities Case Study' Project

Publications

The Publications Unit was reorganized into a distinct unit of the Institute, with its own personnel and an office. The Publications Officer is currently Prof. M. E. Kropp Dakubu, with general responsibility for editorial and organizational matters, assisted by the Publications Assistant, Miss Rhoda Nsiah-Asare (National Service). The old Publications Store has been converted to the Publications Office, with suitable equipment, although it still lacks telephone and Internet facilities. Institute publications will continue to be sold from the Publications Office.

IAS Research Review

- *Research Review* NS Vol. 15 No. 1: papers by M. Amu, I. Odotei, B. Sackey, K. Dako, C. Baanante T. Thompson and K. Acheampong.
- *Research Review* NS Vol. 15 No.2: papers by S. -Mensah, A.K. Awedoba, C. Oppong, B.S. Sackey, A. Adomako Ampofo.

IAS Occasional Research Papers Series – 2001

- Occasional Research Papers Series 2000 (edited by Prof. C. Oppong)

- No. 1 by Jack Goody: Cultural and Demographic Factors in Population Increase
- No. 4 by Christine Oppong: Smiling Infants or Crying Babies

Odotei, Irene

- (Forthcoming) "Sea Never Dry But...: Fishing, Tradition and Development in the Artisanal Marine/Inland Fisheries and Aquaculture"
- (Forthcoming) "Man – Woman': A Case Study of Women Canoe Owners At the Tema Fishing Harbour"
- (Forthcoming) "Sea Power, Money Power: Migrations in the Ghanaian Artisanal Marine Fishing Industry in the Republic of Benin"
- (Forthcoming) "Oshikanti – Your Money Is Growing Fat: Fishing, Migration And Technology/Transfer – Ningo – A Case Study"
- (Forthcoming) "Historical Overview of Marine Fishing in Ghana".
- (Forthcoming) "There is Money in The Sea: Migrations in the Ghanaian Artisanal Marine Fishing in Cote d'Ivoire"
- (Forthcoming) "Elmina Fish Mongers"
- "Odupon Kesie Etutu (A mighty Tree Has Fallen): A Video Documentary on the Death and Burial of the late Otumfuo Opoku Ware II, Asantehene"
- "Nana Nie: Mo Ne Yo (Hail the King , Congratulations): A Video Documentary On The Installation Of Otumfuo Osei Tutu II, Asantehene"
- "Go mu Brebre (Go Gently) AYIKESIE (The Great Funeral): A Video Documentary on the Final Funeral Rites for the Late Otumfuo Opoku Ware II".
- (Forthcoming) 'The King Has Gone To the Village: Burial of Otumfuo Opoku Ware II'. Edited by Dr. Irene Odotei and Professor G. P. Hagan.
- (Forthcoming) "Royal Rites: Picture Book on Burial, Installation and Final Funeral Rites of Asantehene".

Manuh, Takyiwaa

- (2001d) "Family-Religious and Legal Systems: West Africa". In *Routledge International Encyclopedia of Women: Global Women's Issues and Knowledge*, edited by Cheris Kramarae and Dale Spender. New York and London: Routledge. pp.690-691.
- (2001c) "This Place is not Ghana: Gender and Rights Discourse among Ghanaian Migrants in Toronto, Canada". Special Issue on Contemporary Ghanaian Migration. *Ghana Studies Journal*, No. 2
- (2001b) "Introduction". Special Issue on Contemporary Ghanaian Migration. *Ghana Studies Journal*, No. 2
- (2001a) "Guest Editor". Special Issue on Contemporary Ghanaian Migration. *Ghana Studies Journal*, No. 2

Guarcoopome, S. S.

- "Life on Slave Plantations in the Gold Coast and the New World" (An article, coming out in a UNESCO Publication).
- "Municipal System and Local Administration at Cape Coast;1858 – 1957"

(Unpublished article).

- "The Reforms of Sir F.G. Guggisberg and Politics In Accra" (Unpublished Manuscript).

Adomako Ampofo, Akosua

- (2000) "Resource Contributions, Gender Orientation, and Reproductive Decision Making in Ghana: the Case of Urban Couples." *In African Studies Research Review*, 15(2).
- (2001) "Prostitution in Africa." In Jacob E. Mabe (Ed.) *Afrikalexicon* (Encyclopedia). Stuttgart and Wuppertal: Verlage J.B Metzler and Peter Hammer.

Adomako Ampofo, Akosua and Yeboah, K.

- (2001) "National Reproductive Health Baseline Survey", Vol. II: Save the Children Ghana.
- (2000) National Reproductive Health Baseline Survey Vol. I: Save the Children Ghana.

Dodoo, F. Nii-Amoo and Adomako Ampofo, Akosua

- (2001) "Rationality and AIDS-related Behavior among Kenyan Men: A Behavioral Paradox?". *In Journal of Health and Health Services Administration*.

Awedoba, A.

- (2001) "Aspects of Culture and Development with Special Reference to Ghana: Vol. 1: Some Basic Issues". Institute of African Studies, Legon.
- (2000) "An Introduction to Kasena Society and Culture Through Their Proverbs", University Press of America, Lanham, MD
- (Forthcoming). "Kasena Riddles: A Study of Kasena Literature, Society and Culture", to be published by end of 2001 by Universities of Ghana Press, Accra
- (Forthcoming) "The Phonetics and Phonology of Kasem", (191 pages). Revised and enhanced from Awedoba (1993), Institute of African Studies.
- (2000) (IEQ2 Research Team included Albert K Awedoba) "Implementation of the School Language Policy in Ghana (Interim Report)", CRIQPEG, AIR, USAID/Ghana
- (2000) "Criteria for Identifying the Kasem Verb", *Cahiers Voltaiques / Gur Papers 6*
- (2001) "Matrimonial Prestations and Exploitation: The Major Moreton Legacy" Chapt 5, pp. 118-144, *Regionalism and Public Policy in Northern Ghana*: Yakubu Saaka (ed) Peter Lang
- 2001 "Matrimonial Prestations Among the Kasena of Navrongo", Chapt 4, pp. 92-117. *Regionalism and Public Policy in Northern Ghana*, Yakubu Saaka (ed), Peter Lang
- (2001) "Cultural Barriers to Patient Care for Acute Respiratory Infections in Young Children" Special Issue of *Research Review*, New Series, vol. 16 No. 1, pp. 13-33, Institute of African Studies, Legon.

- (Forthcoming) "Social Roles of Riddles, with Reference to Kasena Society". *Research Review*, New Series vol. 16, no. 2.
- (Forthcoming) "Criteria for noun classification in Kasem". Gur Papers/ Cahiers Voltaïques.
- (Reviewed) "The Peparu Hunt Among the Kasena-Nankana: A Way of Life or a Way of the Gods?", to be included in an Anthology on Northern Ghana edited by Meier B. and Kroger F. Awedoba A. K and S. Miske
- (2001) "Implementing Ghana's School Language Policy: Issues for Democracy and Education", *The Quality Link*, No. 4, p. 8-9

Okai, A.

- Formal opening of the 49th Annual Council meeting of the West African Examinations Council (WAEC), Accra, March 13, 2001. Role: Performed poems: "Rosimaya" and "The Bond-Oath of Ubanu"
- The poem, "Rosimaya", performed in the film "Kakraba", telecast on Ghana Television, 7.00 p.m., March 18, 2001.

Sutherland-Addy, Esi

- (1a) "The Ghanaian Feature Video Phenomenon: Thematic Concerns and Aesthetic Resources" and (1b) "List of Feature Video Films 1987 – 1993" In special issue of *Matatu* 21-22. A Journal of African Culture and Society, subtitled *Fontomfrom Contemporary Ghanaian Literature, Theatre and Film*. Kofi Anyidoho and James Gibbs (Eds) 2000

Sutherland-Addy, Esi with Hagan, G.P.

- "Commentary and Narration of Institute of African Studies: Film production of The Funeral and Installation of the Asantehene"
- "Continuity and Change In African Culture: the Role of Women" In *Women Build Africa*. Lissette Ferera (Ed) Musee de la Civilisation.
- "Ama Ata Aidoo: Une voix pour le femmes" (translation), *Notre Librairie Revue des Litteratures du Sud*. No. 140. Avril-Juin 2000
- "Fear Woman: The Image of Womanhood in Popular Performance Culture" (Forthcoming)
- FAWE: *Addressing Gender Inequity in Education in Sex Work and Survival: Gendered Struggles and Coping Strategies in Ghana at the Close of the Twentieth Century*. (Eds) Christine and Yaa Pokuaa Afiriye Oppong. (Forthcoming)
- "Drama In Her Life: The Story of Adeline Buabeng", in *African Theatre* (Forthcoming).
- "Speaking War and Peace", in *Transactions of the Historical Society of Ghana* (Forthcoming).
- "Women, Intangible Heritage and Development: Perspectives from the African Region".
- "The Nature of Challenges to Women's Leadership In Governance and Development". Prepared for the National Institutional Renewal Programme.

Kropp- Dakubu, Mary-Esther

- (2001) The "Mande loan element in Twi Revisited". *Sprache und Geschichte in Afrika*, 16/17: 273-91.
- (2000a) "Multiple Bilingualisms and Urban Transitions: Coming to Accra". *International Journal of the Sociology of Language*, 141: Sociolinguistics in West Africa, ed. A. Bamgbose. Pp. 9-26
- (2000b) "The particle la in Gurene". *Gur Papers/Cahiers Voltaïques*, 5: 59-65.
- "Interrogative Structures in Gurene". To appear in *Gur Papers/Cahiers Voltaïques*, No.6. Ga Phonology. To appear in the Language Monographs Series, Institute of Africa Studies (Forthcoming).

Amu, Misonu

- (Forthcoming) "Creativity and Tradition: The Contribution of Maame Afua Abasa – Leader and Co-founder of Manhyia Tete Nnwonkoro", *Research Review*, Institute of Africa Studies.
- (Forthcoming) "Kwadwom: The 'Hidden' Music at the King's Funeral" Institute of African Studies publication on the funeral of the Asantehene, Otumfuo Opoku Ware II).

Agordoh, A. A.

- Revision of the text book:- *Studies in African Music*, 2001, (in print).

Akrong, A.A.

- "Salvation in African Christianity", *Legon Journal of Humanities*, Vol.. XII 1999 - 2000
- "Towards A Theology Of Witchcraft and Evil Spirits". *Journal of African Christian Thought*, Vol.. 4 No. 1
- "Traditional Religion and Christianity – Friends and Foes" *Trinity Journal Church and Theology*. Vol. X Nos. 1&2 2000

Brempong, O.

- "The concept of God in Highlife Songs", *Research Review* (Forthcoming)
- "Proverbs And Proverbial Sayings in Highlife Songs", *Research Review*, (Forthcoming).
- "Folktale Performance in Highlife Songs: An Empirical Observation", *Research Review*, (Forthcoming).

Ayettey, B. O.

- Ongoing Choreography: "Zahinte" A choreograph piece on Nightmare with the Ghana Dance Ensemble, IAS, University of Ghana.

Badasu, D.

- "The Demographic Transition of Ghana", *Journal of Social Science*, (forthcoming).

- "Regional Disparities in Ghana's Fertility Transition", *Bulletin of Ghana Geographers' Association*. (forthcoming).
- "Public Versus Private Resources for Management of Childbirth and Care", *African Studies Review*. (forthcoming)

Research Projects

Odotel, Irene

- "Chieftaincy, Governance and Development Project (A Ford Foundation funded project)
- Community, Organisation and Popular Protest in Ghana: the role of Asafo Companies in Historical and Contemporary perspective, Trondheim/ University of Ghana Co-operation Programme Manuh, Takyiwaa
- Team Leader, Ghana Universities Case Study Project (Supported by the Ford and Rockefeller Foundations and the Carnegie Corporation);
- Chieftaincy, Women and Power in Ghana
- Gender Violence in Ghana
- Gender and the State in Ghana
- Gender and Economic Justice
- The Gender Dimensions of Macro-Economic Policy Making.

Awedoba, A.

- Improving the Quality of Primary Education in Ghana
- Chieftaincy, Governance and Development

Adomako Ampofo, Akosua

- Current research work: Socialization of young people and gendered identities and behaviour in Akropong and Mampong.
- Carrying out a baseline KAP reproductive health [national] survey for Save the Children Fund (UK/Ghana).

Okai, A.

- The impact of publishing on the development of African Literature
- The Asante court poetry
- The aesthetics of modern African poetry and fiction

Sutherland-Addy, Esi

- Women Writing Africa Project, West Africa and the Sahel Region with Abena Busia (Rutgers University) and Mme. Aminata Diaw (Cheikh Anita Diop University) of the Feminist Press of New York.
- Asafo and Verbal Arts.
- Women's Intangible Culture
- A Survey of Girls Education Interventions.
- The Akan Medium Analytical Text on Akan Literature (with Dr. Akosua Anyidoho, Linguistics Department, University of Ghana, Legon) and

Mr. Yaw Sakyi-Baidoo (English Department, University College of Education Winneba).

Guarcoopome, S.S.

- 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.

Kropp-Dakubu, Mary Esther

- Grammar of Farefare (Gurene), Upper East Region
- Ga grammar and linguistic typology.

Amu, Misonu

- A Study of traditional women musicians in the Gbi traditional area in the Volta Region (Ongoing).

Agordoh, A. A.

- Church Music in Ghana (Ongoing)
- The Musical Traditions of the Ewe of Ghana (Ongoing)
- Trends in Church Music in Ghana.

Ayettey, B.O.

- “ODADAA”: Lifting of ban on drumming and excessive noise making in the Ga Traditional Area (Gbese), Accra (Ongoing).
- Enskinment of “Dagbamba”, chief of Madina, Accra.(Ongoing)
- Research into African traditional Dances (Ongoing)

Sackey, Brigid M.

- Research into religious movements and their contribution to society in Kasoa and Accra;
- Ongoing research into Gender and Religion in Accra
- Ongoing Kasoa Project: The Church Of Nyamesom Pa (Ekwam Revisited)
- Ongoing joint project on the origins of the Kuntunkuni Cloth in conjunction with SACOST Centre, University College of Education, Winneba.

Brempong, O.

- Chieftaincy, Governance And Development Project.-Taboos And Chieftaincy.
- The Genesis Of Asafo Institution.
- Festivals of Ghana.
- Akan Folktales of Ghana

Akrong, A.A.

- Religion and Leadership

Workshops /Conferences/Seminars

Odotei, Irene

- National Conference on Chieftaincy, Governance and Development, January 17-20, 2001.
- GILLBT Seminar Week, February 5-9, 2001, Kanvili, Tamale.
- UNESCO International Training Workshop on Protection of Intangible Heritage- Living Human Treasures System, February 2-19, 2001, Tokyo, Japan.
- Workshop for Field Researchers on Chieftaincy, Governance and Development, April 26, 2001.
- Workshop- State and Every Day Life in Africa, May 2-9, 2001, Helsinki, Finland.
- Chieftaincy, Governance and Development Trainers' workshop, May 19-27, 2001.
- Workshop on the Cultural Dimension in Denmark's Co-operation with the Developing Countries, June 1-5, 2001.
- Seminar on Globalization and Changes in Cultures of Survival and Care, Institute of African Studies, October 10-12, 2001.
- Workshop on the Cultural Dimension in Danish Development Aid, Dar Es Salaam, Tanzania, University of Ghana, November 27-30, 2001.

Manuh, Takyiwaa

- (2001e) "Gender and Agriculture in Africa" Paper presented at GERA Training Workshop on "Gender, Trade and Investment in Africa". Accra, June 27-July 5, 2001
- (2001d) "Consensus Building – An Effective Tool for Democratic Governance in Africa : The Role of the National Commission for Civic Education". Paper presented at the Public Forum organised by the Ghana Academy of Arts and Sciences and the Friedrich Ebert Foundation, Accra, June 18.
- (2001c) "Past and Present Roles of Female Rulers in the Traditional Political Systems of Ghana". Presentation to Conference on the Chief as a Development Agent, KNUST, Kumasi, June 17.
- (2001b) "The Ghanaian University in the Year 2050", Paper presented at Ford Foundation Retreat on Envisioning the African University in the year 2050, Durban, South Africa, May 29-June 1.
- (2001a) "On Teaching Gender in an African University" Paper presented at Conference on Africa after Gender, University of California at Santa Barbara, USA, April 20-21.
- (2000d) "Surviving Poverty and Homelessness in Accra". Paper presented at the SAL/IAS "International Workshop on the State and Everyday Life in Africa". Legon, November 30-December 2.

Guarcoopome, S. S.

- Workshop on "Managing Religious Conflict in the Greater Accra Region", April 12-13, 2000 Seminar on "Religion and the Media" at GIMPA, Greenhill, Legon, May 22-26, 2000.

Adomako Ampofo, Akosua

- "Gender Relations and Adjustment in Ghana." Presented to the Conference on "Structural Adjustment and Socio-Economic Change in West Africa." Lagos, Nigeria, April 27-29, 2001.
- "Who is the Driver and Who is the 'Mate'?; Gender Orientations and Household Decision Making in Ghana". Annual Meeting of the African Studies Association; November 16-19, 2000, Nashville, Tennessee.
- "Gender Issues in Ghana Today." Panel discussion to commemorate International Women's Day; Women's Commission of the University of Ghana Students' Representative Council, University of Ghana, March 9, 2001.
- "Aben wo ha: Socialisation of Boys and Girls and Behavioral Outcomes: Sexual Identity and Practices." Paper presented to Panel on Sexual and Reproductive Health Needs and Perspectives of Adolescent Males in Sub-Saharan Africa for the Child and Adolescent Health Department, WHO Technical Consultation on programming for boys in the AFRO Region. September 27-29, 2000, Pretoria, Republic of South Africa.

Awedoba, A.

- 3 workshops sponsored by AIR (Virginia) and USAID on 'Improving the Quality of Primary Education in Ghana' conducted in Cape Coast University
- 3rd International Colloquium on Gur Languages, Kara, Togo. February 19-22, 2001; read a paper on "The Criteria for Nominal Classification in Kasem"
- 45th Annual Meeting of Comparative and International Education Society, Washington, D.C., March 14-17, 2001. Read 2 papers on "Improving Educational Quality/Ghana - Policy Dialogue and Classroom Based Research on Ghana's School Language Policy" and "Examining the Cases: Attitudes Towards an Instruction in the Local Language".

Okai, A.

- Lecture on "The Culture Hero In African Literature and Politics", by Dr. Ato Quayson, Director of the African Studies Center Cambridge University, Dance Performance Hall Institute of African Studies, September 7, 2000. Role: Chairman
- The Fourth PAWA Annual Lecture, by Dr. Nathan Shamuyarira, on "Pan Africanism and the Challenges of Globalisation" at PAWA House, November 2-3, 2000, Role: Organiser.
- Special meeting of the OAU Ambassadors and Ministers of Foreign Affairs, and Summit of the Heads of State and Government for the adoption of the African Union Treaty in Tripoli and Sirte, Libya, February 20 to March 4.

2001. Role: Observer (and Head of Delegation of the Pan African Writers Association).

- Literary Soiree for the Commonwealth Writers Prize 2001 Ghana Program, the Wole Soyinka Courtyard, PAWA House, Accra, March 24, 2001, Role: Host/Performer
- World Intellectual Property Organisation (WIPO) conference, addressed by the Attorney General, Accra, April 30, 2001. Role: Participant
- OAU and UNICEF conference on "The Future of the Youth", Cairo, Egypt, May 31-26, 2001. Role: Participant.
- OAU/ECA Conference on "African Union and Civil Society", June 11-15, 2001, Addis Ababa, Ethiopia. Role: Participant. Presented statement on the African Union on June 12, 2001 at 4.30 p.m.
- Ghana Homecoming Summit, July 23-25, 2001, Accra. Role: Participant.

Sutherland-Addy, Esi (Selected)

- Institute of African Studies, University of Ghana, Legon: Chieftaincy, Governance and Development Workshop for Trainers, IAS Chalets, May 19-27, 2001. Presentation: "Verbal Arts of other Society".
- National Round-Table Seminar Series on Higher Education. Role: Resource Person. Venue: Maputo, Mozambique. February 22-March 3, 2001.
- 14th Conference of Commonwealth Ministers of Education and Symposium. Theme: Solutions to Education Challenges. Role: Participant. Venue: Halifax, Nova Scotia, Canada. Date: November 26-29, 2000.
- National Development Planning Commission Peer Review Workshop on Ghana - Vision 2020: The Second Step Policy Framework. Presentation: "Human Development/Enabling Environment". M-Plaza Hotel, Accra, November 9, 2000.
- Ghana Institute of Architects: International Seminar on The Future of the City & Perspective on Sustainable City Planning & Development. Theme: 'Visions Of The City: Accra In The 21th Century'. Role: Chair- Plenary Session. October 4-5, 2000, Accra.
- Ghana Education Service (GES): Workshop on 'Management of the Procurement in the Ghana Education Service' Role: Chair-Plenary Session, July 20, 2000.
- National Institutional Renewal Programme (NIRP): Effective Leadership for Good Governance in the 21st Century" July 13-14, 2000. Role: Chair: 3rd Plenary Session and presenter Paper: The Nature of the challenges to Women's Leadership in Governance and Development". Accra - Ghana.
- "2nd Annual Public Services Commission Lecture". Role: Chairperson, May 24, 2000, Accra.

Kropp-Dakubu, Mary-Esther

- 3rd Colloque Internationale sur les langues gur (voltaïques), Kara, Togo, Feb. 19-22, 2001.
- 22nd West African Languages Congress, Legon, August 15-19, 2000.

- 3rd World Congress of African Linguistics, Lome, Togo, August 21-26, 2001.
- "Habitual Aspect and Repeating Action in Ga and Dangme: Reconstructing Kwa Grammar. Major African Languages in Ghana: Prospects for the 21st Century".

Akrong, A. A.

- Seminar on Review of Liturgy of Presbyterian Church of Ghana. Nsaba February 2001.
- Children in the Context of the Church Today
- Lecture presented to a delegation of Presbyterian Pastors from U.S.A., May 13, 2001.
- Conference on Pax West Africana at Abuja, Nigeria, September 26-29, 2001.

Brempong, O.

- Workshop for field Researchers, I. A.S. Legon Chieftaincy Workshop for Trainers Workshop on 'Evaluation of Stool Histories'.

Badasu, D.M.

- Workshop on State and Everyday Life in Africa. Institute of African Studies, University of Ghana, November 30–December 4, 2000.
- Conference on Chieftaincy, Governance and Development organized by the Institute of African Studies, University of Ghana, January 17-20, 2001.
- "The Regional Disparities in Ghana's Transition" Presented at the Institute of African Studies Weekly Seminar Series, University of Ghana, November 16, 2000.

Agordoh A. A.

- **Playing With Identities in Contemporary Music in Africa – A research Conference**, October 18-25, 2000 in Turku/Abo, Finland- Participant. Presented a paper on "Contemporary African Music in the Ghanaian Church".
- Olivet Lecture and Symposium Series, April 6-15, 2001, Olivet College, Michigan, U.S.A. Participant : Presented a paper on "The Role of Traditional West African Music in the Lives of West African People".

Ayettey, B.O.

- Organised three choreograph workshops on dance drama for the teachers of second cycle institutions in the Greater Accra Region.

The Institute's Programmes and Activities

Public Lectures

The Institute initiated its Public Lecture Series to offer a platform for personalities and scholars involved in innovative thinking and work. So far lectures have been given on "The Culture Hero In African Literature and Politics" –Dr. Ato Quayson,

Director of the African Studies Centre, Cambridge. Contemporary Role of African Churches -Dr. Roswith Gerloff, University of Leeds; "Reinterpreting the Techniques of Ephraim Amu", Dr. William Anku, University of Ghana and "Pan African Pacifism and Liberation Struggle in Africa"- Dr. Bill Sutherland, a Pan Africanist.

Creative Dialogue Series

In collaboration with the English Department the Institute of African Studies has developed the Creative Dialogue Series to bring the public into close contact with the icons of creativity in the society and to honour their work. So far two poets, Atukwei Okai and Abena Busia have featured in the series.

Library

Students, lecturers and researchers in and outside the University Community continued to patronise the Institute of African Studies Library. During the period under review 742 books and pamphlets, and 14 theses were added to the stock. Most of the stock, i.e. books and pamphlets, was acquired through exchange and donations from CODESRIA, Nordic Institute of African Studies in Uppsala and African Studies Centre in Leiden. Donations have also been received from individuals like Prof. Takyiwaa Manuh, Prof. Christine Oppong Abayie Boaten, Asare Opoku, Mary-Esther Kropp-Dakubu and Nii Yartey, all of the Institute of African Studies, and Prof Raku-Steiner, Prof Cole, and Wicker to mention but a few. The library has resumed the publication of its periodic accessions list making fellows and students aware of the stock available.

The Ghana Dance Ensemble

The Ghana Dance Ensemble continued to enrich the cultural life of the University by playing important roles in the Institute's programmes as well as the University's major programmes during congregation, inaugural lectures, welcoming parties, funerals and exhibitions.

There were many public performances and workshops for companies and the general public during the 2000/2001 academic year. There were special evening performances at dinners (local and state) and especially at the Institute's chalets. The 2000/2001 season included free informal performances for visitors to this campus and country, and friends of the Ghana Dance Ensemble and the Institute. The GDE also continued to play its academic role by teaching the Level 200 African Studies Programme of the University. The programme provided a broad spectrum of lecture topics, traditional and choreographic dances. It also provided workshops for local and foreign scholars as well as visitors.

I.A.S New Building Project

Construction works have progressed rapidly on the new building of the Institute located opposite the Institute of Adult Education. The Danish Embassy fulfilled its promise by funding the project with an amount of three hundred and forty thousand

dollars (\$340,000).

I.A.S Chalets

As part of its income generating activities to supplement government funds, the Institute has almost completed rehabilitation works on its chalets and started operating the facility on commercial basis.

The Facility currently comprises sixteen (16) guest rooms with bath and toilet, common sitting room, dining room, separate kitchen and kitchenette, storeroom, laundrette, seminar room, secretariat, manager's office, reception and stage for performances. The facility has so far been used to run a number of programmes for both local and foreign clientelle.

Manhyia Archives

The Manhyia Archives continued to access, process, preserve, describe and make available for public and private officials records of the Kumasi Traditional Council and Asanteman Council and their predecessors. The automation of our finding aids is in progress. With the financial support from the Ford Foundation under the Chieftaincy, Governance, and Development Project, one Personal Computer and accessories were purchased at the cost of US Dollars (\$1,960). Computerisation of the lists of the archival records is in progress to facilitate the use of the records by our clients.

External Linkages

Over the years, the Institute of African Studies has developed a number of external linkages with outside organisations and institutions. The most active ones are with SUNY Brockport, U.S.A, the School of International Training, the University of Birmingham/DAWS Agreement and the relationship with the Ghana Institute of Linguistics, Literacy and Bible Translation (GILLBT).

Museum Services

The museum continued to provide services to the University community and visitors to the Institute in particular and the University as a whole. These entailed regular maintenance of the museum gallery with regard to cleaning and maintenance of the collection and conducting visitors round the exhibition hall.

NUFU PRO.48/96: Asafo History Programme

Research activities continued to focus on fieldwork and archive studies. Two candidates, Mr. K. Nti and Mr. E. Ayesu, who were the first to be sponsored by the project in 1997 have been appointed as Lecturer at the History Department and Research Fellow at the Institute of African Studies respectively. One out of the three subsequent sponsored candidates attached to the Programme in 1999, Mr. Godwin Adjei - Music - has passed the M.Phil Programme and is currently serving as a Teaching Assistant at the Institute. Mr Alex Wilson - Development - has submitted his thesis. Mr Anthony Bugyei - History - has suspended work on his thesis due to ill-

health. The Ph.D. candidate, Mr. Amoa Larbi, also sponsored by the programme, is also nearing completion of his thesis.

Chieftaincy, Governance And Development Programme

From July 29 to August 29, 2000 researchers were sent to field for the Regional and District Workshops. A follow-up workshop was held from September 5-6, 2000 for researchers to present their reports and papers on specific topic. From January 17-20, 2001 a National Conference on Chieftaincy, Governance and Development was held at the Auditorium of the School of Administration, University of Ghana. This conference served as the high point of the series of consensus building workshops in the Regions and Districts. The first phase of the project came to an end in August 2001. The final report has since been sent to Ford Foundation.

INSTITUTE OF STATISTICAL, SOCIAL AND ECONOMIC RESEARCH (ISSER)

Overview

Like the previous years, ISSER continued to work in accordance with its mandate of providing training and carrying out development oriented research in the field of Social Sciences.

The five year medium-term priorities initiated in 1999 on "Micro Foundations of Policy Reforms" continued in the year under review. The programme focuses on eight thematic areas which are (i) Public Finance and Household Behaviour (ii) Finance for small scale investments (iii) Agricultural Productivity and Household Income (iv) Food and Nutrition Security (v) Human Resource Development (vi) Social Security and Policy Reforms (vii) Gender and Life Cycle Issues; (viii) Governance, Decentralisation and Development Policy Reforms.

Research

The research activities of ISSER in the year under review were based on its medium-term research priorities mentioned above. The main research activities were:

- (i) A KAAP and Socio-economic Study for West Africa Gas Pipeline Project-funded by Chevron.
- (ii) The Ghana Human Development Report, 2000. Funded by UNDP.
- (iii) Gender Training Book-Funded by DANIDA
- (iv) The Transrede Project - funded by Sussex University.
- (v) Study of marketing of confectionery products of cocoa processing company, (CMC) Tema - funded by CMC.
- (vi) Poverty Eradication and Sustainable Livelihoods in the Tarkwa Mining Area - funded by Gold Fields Ghana Limited.
- (vii) Food trade and infrastructure - funded by SADAOC
- (viii) Human resource development for poverty reduction & household food

- security - funded by SADAOC
(ix) GLOWA - Volta Basin Project - funded by ZEF.

Teaching/Courses

The Institute admitted its fifth batch of students to the M. A./M.Phil Development Studies programme in August 2001.

As usual the Certificate and Diploma courses in Statistics were organised during the long vacation for the period June 5 to August 10, 2001.

ISSER also organised two short courses for policy makers, analysts, programme implementers, consultants, researchers and students. These courses which were run from June 21-July 13, 2001 were Data Management and Analysis, and Research, Methodology and Report Writing. Two special short courses were organised for Staff of Statistical Service and Curriculum and Research Development Division (CRDD) of Ministry of Education.

Number of Students/Participants

M.A./M.Phil	16
Diploma	141
Certificate	153
Short Courses	93

Advocacy

To get more closer to society with its research results and expertise, ISSER has diligently pursued its advocacy programme.

(i) ISSER/Merchant Bank Economic Lecture & Roundtable Discussions

ISSER in collaboration with Merchant Bank (Ghana) Ltd held its second in the series of Annual Economic Lecture and Roundtable Discussion on June 11, 2001 at the Auditorium of the British Council, Accra. The topic was: "The West African Common Currency, Advantages, Problems, Prospects and Challenges." The presenter was Dr. H. A. K. Wampah, Director of Research, West African Monetary Institute. The discussant was Mr. Kwame Pianim, an Economic Consultant. It was chaired by Dr. Kobina Richardson, Chairman, Merchant Bank (Ghana) Ltd.

Proceedings of the Lecture and Roundtable Discussion have been published.

(ii) In-House Seminars/Lectures

Every faculty member of ISSER gave at least one seminar as required during the year. List of seminar topics and presenters attached.

(iii) Conferences/Workshops

ISSER in partnership with the Secretariat for Institutional Support for Economic Research in Africa (SISERA) organised a workshop in GIMPA, Accra on January 5-

17, 2001. The theme was "Measurement and Analysis of Poverty for Public Policy in Africa."

The main objective of the workshop was to reinforce the analytical skills of researchers and government technocrats in the area of poverty analysis. Twenty-five (25) participants attended the workshop. They came from Ghana, Tanzania, Nigeria, Gambia, Senegal, Mauritania, Ethiopia and Uganda. There were resource persons from the World Bank Institute, Canada and Norway.

ISSER collaboration with the European Centre for Development Policy Management, Maastricht, the Netherlands also organised a three-day workshop on the policy dialogue for research and technology development in a number of ACP countries from January 29-31, 2001 at NOGUCHI, Accra.

The main objective of the workshop was for Developing Countries to strength their own domestic research and technology development infrastructures and capabilities for Socio-economic development.

It was attended by 40 participants drawn from selected ACP-EU countries.

ISSER and CEPA in collaboration with Cornell University organised a workshop on Macroeconomics stability, Growth and Poverty Reduction in Ghana on May 17-18, 2001 at NOGUCHI, Accra.

The objective of the workshop is to collate the general understanding of Ghanaian economists regarding the broad theme of "Macroeconomic stability, growth and poverty reduction" and define the parameters for developing a policy framework for the medium term.

Publications

(1) Books

Asenso-Okyere, K.

- "Transforming Agricultural Production and Productivity for Sustained Rapid Growth and Development". Ghana in the 21st Century, ISSER Millennium Seminar Series No. 4, ISSER, University of Ghana, Legon, 2001.
- "Global Business Environment-An overview", *The Manager*, Journal of the Ghana Institute of Management, Vol.2, No. 1, 2001
- *Wealth Accumulation, Utilisation and Retention. A Converse to Treatise on Poverty Reduction.* Ghana Universities Press, 2001.
- "Challenges of Banking Business in Ghana, *The Ghanaian Banker*, Vol. ix, No. 4, 2000

Tsikata, Dzodzi (ed)

- *Gender Training in Ghana: Politics, Issues and Tools*. Woeli Publishing Services, Accra, 2001

Aryeetey, Bortei-Doku, Ellen and Arthur, Alexina

- "On-line Directory of Professional African Women in Natural Resource Management". Institute of Natural Resources in Africa/United Nations University, 2001.

Aryeetey Bortei-Doku, Ellen, Mokwunye, A.U. and Arthur, Alexina

- Establishment of a Directory of Women Professional in Natural Resource in Africa; United Nations University, Work in Progress, Vol. 16, No. 2, Spring, 2001. PP 14

Ahiadeke, C., Gurak, D. T. and Schwager, S.T.

- "Breastfeeding Behaviour and Infant Survival with Emphasis on Reverse Causation Bias: Some Evidence from Nigeria", *Social Biology* 2001 Vol. 47 (1-2): 94-112
- "Incidence of Induced Abortion in Southern Ghana, *International Family Planning Perspectives*, 2001, 27 (2) : 96 - 101& 108
- "Breastfeeding, Diarrhoea and Sanitation as Components of Infant and Child Health: A Study of Large-scale Survey Data from Ghana and Nigeria". *Journal of Biosocial Sciences*, 2000, Vol. 32 : 47 - 61

Ahiadeke, C. with Daniel, M. et al.

- "Urban Livelihoods and Food and Nutrition Security in Greater Accra, Ghana" Research Report. 112, 2000, IFPRI With MMIMR and WHO. Washington D. C.

Ahiadeke, C. with Carol, E. Levin et al.

- "Working Women in an Urban Setting Traders, Vendors and Food Security in Accra", *World Development*, 1999, Vol. 27 (11) : 1977 - 1999

Ahiadeke, C. with Daniel, M. et al.

- "Alternative Food-security Indicators: Revisiting the Frequency and Severity of Coping Strategies". *Food Policy*, 1999, Vol. 27 (1999) : 411-429

Anarfi, J. K. with Fayorsey, Clara K.

- (2000a) "Male Protagonists in the Commercialisation of Aspects of the Female Life-cycle in Ghana", pp. 144-162 in Bledsoe, C. et. Al. (Eds.). *Fertility and the Male Life-Cycle in the era of Fertility Decline*, Clarendon Press, Oxford.

Anarfi, J. K. with McCombie, Susan and Hornik, R.

- (2000b) "Effects of Mass Media campaign to prevent AIDS among young

people in Ghana". In R. Hornik (Ed.), *Public Health Communication: Evidence of Behaviour Change*, Lawrence Erlbaum Associates

Anarfi, J. K. with Awusabo-Asare, K. and Appiah, E. N.

- (2000c) "Female Emigration, AIDS and their Socio-economic Impact: A Case of a Ghanaian Rural Community". In J.C. Caldwell et. al. (Eds.), *Towards the Containment of the AIDS Epidemic: Social and Behavioural Research*. Health Transition Centre, Australian National University, Canberra.

Aryeetey, E.

- Aryeetey, E. and J. Harrigan, "Macroeconomic Sectoral Developments Since 1970". *Economic Reforms in Ghana: The Reality and the Mirage*, ed. By E. Aryeetey, J. Harrigan and M. Nissanke, James Currey, Oxford, 2000.

Aryeetey, E., Nissanke, M. and Steel, W. F.

- "Intervention and Liberalization: Changing Policies and Performance in the Financial Sector", *Economic Reforms in Ghana: The Reality and the Mirage*, ed. By E. Aryeetey, J. Harrigan and M. Nissanke, James Currey, Oxford, 2000

Aryeetey, E. and Goldstein, M

- "The Evolution of Social Policy", *Economic Reforms in Ghana: The Reality and the Mirage*, ed. By E. Aryeetey, J. Harrigan and M. Nissanke, James Oxford, 2000.

Aryeetey, E. and Tarp, F.

- "Structural Adjustment and After: Which Way Forward?", *Economic Reforms in Ghana: The Reality and the Mirage*, ed. by E. Aryeetey, J. Harrigan and M. Nissanke, James Currey, Oxford, 2000.

Papers Presented at Conferences/Workshops/Seminars

Asenso-Okyere, K.

- "The Effect of Pricing Policy of Public Utility Services on the Socio-economic Development of Ghana". A paper presented at a public forum on critical national development issues organised by the Ghana Institute of Management and Public Administration (GIMPA) Accra, August 24, 2001.
- "Recent Developments of the Economy of Ghana" A paper presented at the annual meeting of the Association of Chartered Certified Accountants (ACCA), Accra, July 31, 2001.
- "Challenges of Ghana's Economy-Past, Present and Future". A paper presented at a symposium organised by the Society for International Development, Cape Coast, May 17, 2001.
- "Heavily-Indebted Poor Countries (HIPC) Initiative for Africa with Special Reference to Ghana". A paper presented at the National Economic Dialogue

(Financial Sector Workshop), Accra, May 7, 2001.

Gyekye Oware L.

- "Appropriate Technology for Rural Development in Ghana". A paper presented at A Roundtable Conference on Technology-Led Intervention for Micro Rural Enterprise Development held in Accra, September 22, 2000.
- "Socio-Economic Issues in the Development of the Oncho Freed Areas" A paper delivered at a Workshop on Socio-Economic Development Programme for the Onchocerciasis Freed Areas held in Tamale, Northern Region on August 2-3, 2001

**Nsowah-Nuamah, N.N.N., Mensah, G., Aryeetey, M.E.,
Wagatsuma, Y., and Bentil, G.**

- "Urinary Schistosomiasis in Southern Ghana: A Logistic Regression Approach of Data from a Community-based Integrated Control Programme" (To appear in *The American Journal of Tropical Hygiene and Medicine*)

Nsowah-Nuamah, N. N. N., etal

- (2000) "A Markov Model of Rainfall", ICTP IC/99/168, Trieste, Italy.
- (2000) "Classical Pooling of Cross-Section in Time Series Data", ICTP IC/99/169, Trieste, Italy.
- (2000) "Predicting the Frequency of Drug Treatment of Schistosomiasis of Individuals in Southern Ghana". ICTP IC/IR/99/13, Trieste, Italy.
- "Quantitative Macroeconomic Analysis for Poverty Reduction Strategies: A Modelling Workshop", December 2-4, 2000, Paris, France.
- "Regional College on Modelling, Simulation and Optimisation", organised by Society of Physicists and Mathematicians, at the National Centre for Mathematical Sciences, Kwabenya, Ghana, May 8-18, 2001.

Nyanteng, V. K.

- "Agricultural Input Supply and Distribution in Ghana" A paper presented at SADAOC Foundation Round Table Conference in Ouagadougou, Burkina Faso, September 20-21, 2000
- "Markets for Inorganic Fertilizers in Ghana". A paper presented at Researcher-Policy maker-Civil Society Dialogue Workshop on Emerging Agricultural Production Inputs Markets in Ghana Since the Liberalization in 1990: Organized by Reseau Ghaneen of SADAOC Foundation, Bayview Hotel, Accra, November 20, 2000.
- "The Agricultural and Food Sector" A paper presented at a workshop on Resources and Growth organized by the Ministry of Economic Planning and Regional Cooperation, GIMPA, May 3, 2001.
- "Enhancing agricultural Productivity in Ghana: A Background Paper". A paper presented at a workshop on Researcher-Policy Maker-Civil Society Dialogue Workshop on Enhancing Productivity in Food Production in Ghana: Organized by Reseau Ghaneen of SADAOC Foundation, Accra, June 7, 2001.

- "Some Aspects of Street-Vended Foods in the Accra Metropolis", A paper presented at a Round Table Conference on Street-Vended Foods in Ghana: Types, Environment, Patronage, Laws and Regulations, organised by Reseau Ghaneen of SADAOC Foundation, Accra September 6, 2001.
- "Locating Food Processing in Rural Areas: Conditions and Prospects" (2000). In *The Food Chain in Sub-Saharan Africa*, Centre for Applied Studies in International Negotiations (CASIN), Geneva (Proceedings of a Workshop)

Benefaction

- The Institute received support (US\$52,000) from USAID for the establishment of a local area communication and information network with internet connectivity.
- ISSER has also received assistance (Canadian \$ 250,000 over 2 years) from the Secretariat for Institutional Support for Economic Research in Africa (SISERA) for research and institutional support.
- Merchant Bank (Ghana) Limited gave ISSER \$5000 for the hosting of the Annual Economic Lecture and Roundtable Discussion.
- Metropolitan & Allied Bank gave the Institute ₵20 million to support the preparation of the State of the Ghanaian Economy Report 2001.

REGIONAL INSITUTE FOR POPULATION STUDIES

Overview

The Regional Institute for Population Studies (RIPS) came into existence out of an agreement between the United Nations and the Government of Ghana in 1972. The objectives include the provisions of graduate training and research in demography for some 20 Anglophone countries in sub-Saharan Africa. In addition, RIPS compiles, disseminates demographic information and provides advisory service to member countries.

Although the Institute offers training mainly to students from English-speaking countries, a few others have passed through the Institute from countries such as Egypt, Mozambique, West Germany and Papua New Guinea. The Institute therefore makes significant contribution to the enhancement and development of the human resource base in the area of population studies in Africa.

It is however distressing to state that, the Governing Council meeting scheduled for the year 2000, to discuss the Institute's future activities and strategies has not yet been convened. This event is mainly due to interest and support of the member states, on whose shoulders, it is envisaged, should rest the ownership, financial responsibility and management of the Institute.

Admissions

Due to sponsorship difficulties, as a result of UNFPA's change in policy regarding

fellowship, prospective students now have to rely on country programme resources, and this has had student population decreasing over the years.

Seven (7) students were admitted for the M.A. in Population Studies during the year. They are made up of Four (4) from Ghana – all males; Two (2) from Ethiopia – males; and One (1) from Lesotho– female.

Student Research

The year's research training programme was conducted at the Legon Staff Village Quarters.

Staff Position

Indeed, there is the urgent need to recruit professional staff. With the staff strength of Four (4) one (1) is on post-retirement contract whilst another one (1) is on a 12-month study leave with effect from 1/5/2001. This leaves only Two (2) currently at post.

Extension Service

Faculty members continued to teach, research and participate in various workshops and seminars.

Conferences/Workshops/Seminars

Teklu, T.

- Durban Conference Follow-up First Meeting, Saly, Senegal, Dec. 11-15, 2000.
- Regional Training Seminar on Research Methodology, Saly, Senegal, Dec. 18-22, 2000.
- Scientific Committee Meeting of the Small Grants Programme of the Union of African Population Studies, (UAPS), Saly, Senegal, 25 June – 4 July, 2001.

Kwankye, S.O.

- Workshop on Capacity Building in Policy Analysis and Advocacy held for Regional Population Advisory Teams (RPACs) from Central and Greater Accra Regions, Dodowa, Jan. 21-31, 2001. Was the facilitator for SPECTRUM and Powerpoint training throughout the workshops.
- Workshop to update the Ghana AIDS Impact Model (AIM), at the Ghana Registered Midwives Association's Conference Room, Accra, Jul. 23-27, 2001.

Tawiah, S.O.

- African Development Bank's Post-Policy Workshop, Abidjan, Cote d'Ivoire, July 23-24, 2001.
- 24th International Union for the Scientific Study of Population (IUSSP) General Conference, Salvador, Brazil, August 18-24, 2001. Made poster presentation of a paper entitled "Adolescent Fertility and Reproductive

Health in Four sub-Saharan African Countries".

Publication

Kwankye, S.O.

- "HIV/AIDS in Ghana: Keeping the "Window of Hope" Open". Published as CSPS Policy Brief, No.8, ISBN.0855-3726, Sept. 2001, Legon.

Review and Vision Agenda

The task ahead in the direction and management of RIPS is that:

ECA and UNFPA should be encouraged to write formally their desire to relinquish their role to the host country as the agreements demand. This will pave the way for the Government of Ghana to take appropriate action to make the survival and sustainability of the Institute become a reality.

If the two parties decline, the Ghana Government may decide the status of the Institute unilaterally and give it to the University for re-structuring.

The above is the Institute's ardent appeal to the Government, to enable it have immediate and lasting solution on the perennial problem of inadequate fund, poor staffing situation, and problem of ownership which limit its capability to re-orient and ensure a smooth learning environment based on the principles upon which it was established as a regional institute.

BALME LIBRARY

Overview

It was virtually impossible for the Balme Library to subscribe to periodicals because of financial constraints. The Library continued to depend on four Danish Libraries for the supply of journal articles for her users

The PERI project has made available online databases to members of the Ghana Interlibrary Lending and Document Delivery Network (GILLDDNET) and Balme Library is a member of this Library consortium. The following databases can be accessed on the computers in the library's computer laboratory.

IDEAL Database:

Silver Platter Databases:
PASCAL and FRANCIS

EBSCO Online Databases:

ACADEMIC SEARCH PREMIER
BUSINESS SOURCE PREMIER

BUSINESS WIRE NEWS
 MEDLINE
 ERIC
 MASTERFILE PREMIER
 HEALTH SOURCE: CONSUMER EDITION
 CLINICAL REFERENCE SYSTEMS
 USP DI VOLUME II, ADVICE FOR THE PATIENT
 HEALTH SOURCE: NURSING/ACADEMIC EDITION
 NEWSPAPER SOURCE

The Cyber Café on the ground floor of the Balme Library Annex is being operated on trial basis.

Library Board

The Library Board met only once on 21st February, 2001 during the year under review. Membership was as follows:

Prof. Ivan Addae-Mensah	Vice-Chancellor/Chairman
Prof. A. Baah-Nuakoh	Finance Committee Representative
Prof. W.K. Asenso-Okyere	Finance Committee Representative
Prof. Alan Duthie	Faculty of Arts Representative
Mr. K.K.K. Ampofo	Faculty of Law Representative
Dr. L.A.P. Hevi-Yiboe	Faculty of Science Representative
Dr. S.K. Ofei	Faculty of Agriculture Representative
Nii S. Bekoe-Tackie	Faculty of Social Studies Representative
Mr. D.B. Addo	Medical School Representative
	He also represents Institutes & Schools
Mr. G.O. Cofie	School of Administration Representative
Mr. A.K. Martey	Acting University Librarian
Mr. V.K. Fosu	Balme Library (Recorder)
Nana Yaw Appiah	SRC Representative
Miss Vincentia D. Agalic	SRC Representative
Mrs. A. Kwaah	Registrar's Rep./Secretary

Staff Matters

Senior Members

Mr. R.B. Sam and Mrs. Angelina L. Armah were granted one-year extension of their Study Leave with pay to complete their M.Phil in Library Studies, on part-time basis.

Mrs. Theodosia S.A. Adanu, Assistant Librarian, was granted two years study leave with pay to undertake M.Phil programme in Librarianship on part-time basis, in the Department of Information Studies, Legon.

Mr. R.B. Sam and Mrs. Angelina L. Armah were awarded a scholarship under SCAAP Programme to attend a course in Electronic-Library and Information Management, from 23rd July, 2001 to 28th September, 2001 in Hyderabad, India.

Publications

Fosu, V.K.

- "Technical Assistance to University Libraries in Ghana: the case of the ODA/BPP at the University of Ghana Library". In *Library Review Journal*, vol. 49, No. 3, pp. 125 - 128.
- "Scholarly productivity at the University of Ghana, 1960 - 1970: implications for University Library development". In *Ghana Library Journal*, Vol. 12, 2000, pp. 29 - 38.

Fosu, V.K. with Harry Akussah

- "Disaster Management in Academic Libraries in Ghana". In *African Journal of Library Archives and Information Science*, Vol. 11, No. 1, 2001, pp. 1 - 16.

Dodoo, V.

- "The Balme Library, University of Ghana and ICT Development". In *IFLA/DANIDA Interlibrary Lending and Document Delivery in Developing Countries Newsletter*, Vol. 4 No. 1, July. 2001.

Senior/Junior Staff

Appointments

The following new appointments were made to fill some of the vacancies that had existed:

Mr. Francis Kwaku Awuye-Kpobi	Snr. Programmer/Analyst
Mr. Michael Mends	Library Assistant
Miss Merryland Sowah	Bindery Asst. Gd. II
Mr. Gideon Kumi Yeboah	Bindery Asst. Gd. II
Miss Joycelyn Agatha Essel	Bindery Asst. Gd. II
Miss Delali A. Tseketse	Bindery Asst. Gd. II
Miss Victoria A. Yaidoo	Bindery Asst. Gd. II
Mr. Rueben Addy	Messenger/Cleaner
Mrs. Cynthia Ama Atua-Ntow	Library Assistant
Mr. Tuunu Prosper Kweku	Temp. Bind. Asst. Gd. II
Miss Quashie, Margaret Martha	" " " " "
Miss Hackman, Lawrentia Ataa	" " " " "
Miss Azanu, Linda Emefe	" " " " "
Miss Balorbey, Edith	" " " " "
Miss Asifu, Evelyn Aku	" " " " "

Promotion/Confirmation

Mrs. Doris Achianor was promoted from Clerk Grade II to Clerk Grade I. Mr. George Obare Nyarko was also upgraded from Messenger/Cleaner to Junior Library Assistant Grade III.

Resignation

Mr. Isaac Anane, who was appointed Temporary/Senior Administrative Assistant on November 16, 2000, resigned from the service of the University on June 27, 2001.

Mr. Ebenezer A. Quansah, Library Assistant, and Mrs. Gifty Obinkurah, Junior Library Assistant Grade III vacated their posts.

Mr. Edmund Aseweh, Messenger/Cleaner, also vacated his post when he was offered admission to pursue a B.A. degree course in the University of Ghana, Legon.

Transfer

Miss Victoria Araba Yaidoo who was employed as temporary Bindery Assistant Grade II, later transferred to Faculty of Law Library and redesignated as Junior Library Assistant Grade III.

National Service

The Balme Library had the following as National Service persons: Mr. Edward Tetteh, Mr. Ahunu Boadu, Mr. Tribune Nii K. Otokunor and Mr. Martin Kofi Bansah.

Staff Training

Mr. Francis A. Andrews attended the 24th Senior Technical Supervisory course at the Institute of Technical Supervision, Weija, from July 2, 2001 for 26 weeks.

Messrs Ebenezer K. Pobi, Emmanuel Quaye, Umar Idriss Faruq, and Shaban Swalah Laari were granted three years Study Leave with pay to pursue B.A. Degree course in Library Studies.

Mr. Emmanuel Nana Bekoe and Mr. Benjamin A. Botchwey were also granted two years Study Leave with pay to pursue courses leading to the award of Diploma in Librarianship and Diploma in Accounting respectively.

All the 20 Messenger/Cleaners in the Balme Library participated in the In-service Training for Messengers and Secretarial staff organised by the Registrar, Personnel Section, on December 7, 13 and 14, 2000.

Miss Nora Ganusah, Miss B. Agyepong, Mrs. M. Bakar-Kporvie, Mrs. Doris Achianor, Mr. Bossman Ofori and Mr. E. Nana Bekoe also participated in that In-Service-Training on November 15-16, 2000.

Best Worker Award for 2000

The staff of the Balme Library nominated Mr. G.K. Afachao, Chief Library Assistant, as the best worker for the year 2000. He received an award of two hundred thousand cedis (₦200,000.00) from the Rev. Dr. T.K. Setse Memorial Fund.

GILLDDNET TRAINING PROGRAMME FOR THE YEAR 2001

BALME LIBRARY TRAINING ACTIVITIES FOR THE YEAR 2001

(Mrs. T.S.A. Adanu, Co-ordinator)

DATE	NUMBER OF PARTICIPANTS	GROUP	PROGRAMME	VENUE
February to March, 2001	About one hundred and twenty (120)	Psychology Students Association	Introduction to Windows, Microsoft word, Microsoft excel	Balme Library Computer Laboratory
March to May, 2001	Fifteen (15)	External Degree Centre	Introduction to Windows, Microsoft Word, Microsoft Excel	Balme Library Computer Laboratory
June 4 to 22, 2001	Twenty-six (26)	Students on vacation and interested others	Introduction to Windows, Microsoft word, Microsoft Excel	Balme Library Computer Laboratory
June 25 to July 14, 2001	Twenty-one (21)	Students on vacation and interested others	Introduction to Windows; Microsoft Word; Microsoft Excel	Balme Library Computer Laboratory
July 16 to August 3, 2001	Twenty-two (22)	Students on vacation and interested others	Introduction to Windows, Microsoft Word; Microsoft Excel	Balme Library Computer Laboratory
August 20 to 24, 2001	Six (6)	Non-students and post-graduates	Internet Use	Balme Library Computer Laboratory

Retirement

Mr. Johnson K. Agbobli, Assistant Binder, retired from the service of the University

as from October 1, 2001. Mr. Agbobli worked in the Library for 25 years.

Conferences/Seminars

Mr. A.K. Martey and Mrs. Victoria Dodoo attended the 67th International Federation of Library Associations and Institutions (IFLA) Conference in Boston, Massachusetts, U.S.A., August 16-25, 2001. The theme of the Conference was: "Libraries and Librarians: Making a Difference in The Knowledge Age".

Mr. O. Barfi-Adomako participated in a two-day Economic Management Programme (EPM) Online Course in Abidjan, Cote d'Ivoire, July 29-31, 2001.

The following Senior Members of the Balme Library attended the 12th Biennial conference of the Standing Conference of African University Libraries, Western Area (SCAULWA) held at GIMPA, Greenhill, September 10-12, 2001.

Mr. A.K. Martey	Ag. University Librarian
Mrs. Victoria Dodoo	Acting Deputy Librarian
Miss Gifty O. Boakye	Sub-Librarian
Mr. S.K. Attah	Assistant Librarian
Mr. E.A. Asiedu	Assistant Librarian
Mrs. Theodosia S.A. Adanu	Assistant Librarian
Miss Margaret Vowotor	Assistant Librarian
Mrs. Sarah A. Adinku	Assistant Librarian

The theme of the Conference was: "Resource Sharing and Networking in African University Libraries".

Miss Gifty O. Boakye was the secretary to the Planning Committee, while Mrs. V. Dodoo was a member of the Committee.

Mr. A.K. Martey presented a paper titled: "Management Issues in Library Networking: Focus on a Pilot Library Networking Project in Ghana".

Mr. A.K. Martey, Mrs. V. Dodoo and Miss G.O. Boakye participated in the West African Library Association (WALA), also held at GIMPA, Greenhill, September 12-14, 2001.

Mr. J.O. Amekuedee participated in the Regional Informatics Network for Africa (RINAF) Backbone Workshop for Decision-makers, from September 29 to October, 2001, organised by Ghana National Committee on Internet Connectivity (GNCIC).

Exhibition

The Local Spiritual Assembly of the BAHAIS of Madina, Accra, mounted an exhibition of Publications on the Bahai faith in the Library from 5th to 14th February, 2001.

The Full Gospel Business Men's Fellowship International, Legon Chapter, in conjunction with the NACOE Secretariat mounted an exhibition from July 2-7, 2001.

Statistics

a. Reader's Services Department

New Registration

a.	No. of Senior Members registered	10
b.	No. of Students registered	6,000
c.	No. of readers – other categories	7
	Total	6,017

No. of books borrowed during session

a.	First semester	6,228
b.	Second Semester	8,883
	Total	15,111

Attendance

a.	First Semester	15,000
b.	Second Semester	8,000
	Total	23,000

Photocopy Services

a.	No. of photocopies (pages) made for library users	326,417
b.	No. of photocopies (pages) made to replace mutilated pages	6,194
c.	No. of photocopies (pages) made for other libraries	4,294
	Total	336,905

Mutilations and Losses

a.	No. of books reported mutilated	140
b.	No. of books reported lost or stolen	30

Visitors

	No. of official visits made by individuals and groups to the library	218
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b. Orders (Acquisitions) Department

a.	Purchased books and pamphlets	658
b.	Gifts	1,978
c.	Legal deposits	13

	Periodicals (inclusive annuals) accessioned (in vols.)	
	Bound periodicals returned from bindery	51

	Total number of items accessioned (books & periodicals)	2,732
	The grand total book stock now stands at approximately	- 376,557
c.	Student's Reference Library	
	No. of volumes added	38
	No. of books borrowed: week-end and short term loan	8,647
d.	Africana Library	
	No. of books added	89
	No of volumes borrowed during the session: these included books borrowed from the open shelves, Rare Book Room and Reserve Collection	5,348
e.	Periodicals Department	
	No. of titles received on subscription	24
	No. of titles received as gifts	123
	No of titles received as Legal Deposit	79
	No. of titles received on exchange	38
	Total number of titles added to our stock	264
f.	Cataloguing Department	
	No. of volumes catalogued	1,041
	No. of volumes reprocessed	2
	The department published "Uniform headings for Theses". A notable departmental project executed was the "Ongoing project of the creation of MARC Records for the Balme Library's holdings of Theses published by the University of Ghana.	
g.	Technical Services Unit	
	No. of books bound for Balme Library	1,075
	No. of books bound for other section of the University	249
	No. of periodicals bound for Balme Library	283
	No. of photocopies bound for Balme Library	975
	No. of pamphlets and photocopies bounded (the economy binding) for other sections of the university	421
	No. of theses bound	541
	Total No. of items bound	3,003
	No. of items mended	600

Other services rendered during the year included cutting of 5,000 library cards, and blocking of 2000 books.

Gifts

The Library continued to receive gifts and other forms of assistance from our traditional benefactors. Principal among them were: The British High Commission, The British Council, Canadian Organisation for Development through Education (CODE) through Ghana Book Trust. Others were The World Bank, Book Aid International, The Brother's Brother Foundation and Adventist Development and Relief Agency/International – (ADRA).

Special mention must be made of Mr. Stephen French who donated a laptop to the Balme Library.

We thank them all for their invaluable.

INTERNATIONAL PROGRAMMES OFFICE

Overview

The Office of International Programmes has over the past year seen a sharp increase in the number of international collaborations, Students Exchanges as well as short-term programmes at the University of Ghana. In the past year a lot has been done by the office administratively to co-ordinate and facilitate both existing and new collaborative ventures with international institutions and bodies.

Staffing Position

Dean	Prof. Samuel Sefa-Dedeh
Assistant Registrar	Mrs. Christiana O. Badu
Senior Administrative Assistant	Mr. Samuel K. Amoah
Administrative Assistant	Ms. Leticia S. A. Laryea
Driver Grade II	Mr. David Lomotey
Messenger/Cleaner	Mr. Joseph Djani Neequaye

Special Admissions

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 both by the recognised groupings and lately also by an increased number of individual students, wanting to share in the rich experience of spending a semester or two abroad at the University of Ghana. The breakdown of visiting students admitted for the past year for the various groupings is as follows:

1st Semester 2nd Semester

Council for International Education Exchange, USA	29	38
SUNNY Brockport, USA	13	5
California, USA	32	46
International Student Exchange Programme/ North		

Carolina State University	19	10
Missouri University, USA	8	
Swathmore College, USA		1
Soka University (JAPAN)	2	2
Fisk University, USA		1
University of Guelph, CANADA		1
Central Connecticut State University	1	
Independent Students	5	5
Total	119	109
Grand Total		228

Other Foreign 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, the International Programmes Office continues to see an increase in the registration of regular full time students in addition to the special admission students. This group of students are predominantly from African countries such as Nigeria, Botswana, Namibia, Liberia and Sierra Leone. They pursue various academic programmes from the certificate to the post graduate levels.

The number of registered Regular International Students for the 2000/2001 academic year was as follows:

Certificate in English	31
Diploma	4
BA Programme	58
BSc Programme	60
Master Programme (Various disciplines)	34

Short-Term Programmes

Various Universities, mainly from the USA, continue to use our campus to run their short term study abroad programmes. These are usually specially packaged programmes run by groups made up of students and faculty members. Some of these programmes involve Ghanaian faculty members in the running of their programmes.

Nine (9) groups registered and run programmes during the year in review. These were Elon College, Duke University, Simon Fraser University, Ohio State University, James Madison University, North Carolina State University, Savannah State University, Central Connecticut State University and Brown University.

Visitors

The International Programmes Office received several delegations from various universities and organisations whose main missions continue to be the discussion and initiation of new collaborations with the University of Ghana, as well as the

sustenance and enhancement of existing programmes. Some of these visits included delegations from the New York University, Brock University, Kennesaw State University, Chicago State University, Benedict College, Georgia, Grand Valley State University, John Jay College of Criminal Justice, representatives from International Student Exchange Programme (ISEP), Council for International Education Exchange (CIEE) and North Carolina State University. Most of these visits have resulted in the establishment of fruitful collaborations as well as the strengthening of existing relations between such institutions and the University of Ghana.

Exchange Programmes

1. In collaboration with the Graduate Centre, the Office of International Programmes sent three Ghanaian Mphil students on a year's exchange to Universities in the United States on the ISEP/NCSU and Tufts University Exchange Programmes.
2. During the year under review the University of Ghana, which is a member of the Association of Commonwealth Universities (ACU), benefited from the Commonwealth University Students Exchange Consortium (CUSAC) bursary. Two (2) undergraduate students from the University of Ghana attended the University of Guelph in Canada and the University of Natal, South Africa for one semester each.

Donations

The International Programmes Office received 2 donations of assorted books from Elon College and John Jay College of Criminal Justice (City University of New York), both in the U.S.A.

The International Students' Hostel

The International Programmes Office assumed responsibility for the International Students Hostel from the 2nd Semester of the 2000/2001 academic year. The 213-bed hostel is currently run by a manageress, 7 porters, 12 cleaners and 2 laundrymen and an electrician.

The Hostel, houses students from various parts of the world as well as Ghanaians. With the rapid increase in our student numbers we would suggest that consideration be given to expanding the current structure, to ensure the adequate provision of accommodation for our students.

LEGON CENTRE FOR INTERNATIONAL AFFAIRS (LECIA)

Overview

LECIA is a relatively young but enterprising institute for studies in international affairs, which is fast establishing itself as a Centre for intellectual discourse.

research and teaching.

As a multi-disciplinary research centre, LECIA complements its core faculty strength with scholars from other departments within the university such as, Economics, Political Science, Administration and the natural and medical sciences. The Centre also hosts a number of visiting scholars. LECIA has since its establishment made a significant contribution to International Relations in such areas as, Conflict Resolution and Human Rights Studies, Regionalism, International Law and Diplomacy, the UN system, International Finance and Development, as well as International Political Economy.

Courses

LECIA continues to offer postgraduate courses leading to M.A (International Affairs) Degree. In addition, 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 Number

During the year under review, 35 students were admitted to M.A. (International Affairs) programme, 15 males and 20 females. The distribution of students by departments or institutions is as follows. Ministry of Foreign Affairs 9, Attorney General Department 1, Customs Excise and Preventive Service 1, Bank of Ghana 1, National Security Council 1, Ghana Telecom Company 2.

The University of Ghana has approved a link programme for Ghana Armed Forces Command and Staff College. The programme has started with 12 students for the award of M.A (International Affairs) degree.

Staff

The Centre's staffing position presently stands as follows:

- 2 – Associate Professors
- 2 – Research fellows
- 1 – Diplomat – In – Residence.

One Research Fellow, Mr. K. Ahorsu has won a Commonwealth Scholarship to pursue PhD. Programme at Kent University. He has been granted study leave for 2 years for this purpose.

Dr. D.K.K. Zormelo, Research Fellow resigned from the employment of the University. Dr. Aning has been appointed Part-Time Lecturer to handle the Conflict Courses for the 2001-2002 academic year. The number of part-time lecturers now stands at 16. The University and underscore the multidisciplinary nature of the Centre's Academic programme.

Conference/Seminars

Seminars are part of the teaching programme of the Centre. Participation is compulsory for all students. They are also open to members of the University generally and staff of the Ministry of Foreign Affairs. The seminars held during the first and second semesters of the 2000/2001 academic years are as follows:

1st Semester

- Hon. Sam Nnamdi Okechukure, Nigerian High Commissioner, Nigeria, **ECOWAS and the future.**
- Major Bofo-Mensah, General Headquarters Joint Operation, Burma Camp. **Ghana's Armed Forces and over three decades of Peace Keeping.**
- Dr. Yankey – Director, Gateway Project. **In the context of Macro Economic Framework.**
- Prof. Ernest Aryeetey – Deputy Director, ISSER. **The State of the Ghanaian Economy Problems and Prospects**
- Major Riddick – Chief of Staff of the Governor, State of Maryland USA. **Information Technology and its impact on the Global Economy.**
- Mrs. Esi Sutherland Addy, School of African Studies Legon. **Advancing interests of Ghanaian Women.**
- Dr. Kwabena A. Darko Lecturer, GIMPA. **Urbanization Housing and the urban poor – some global perspectives.**
- Mr. Peter Harold – World Bank, Country Representative. **The Future of Ghana World Bank Partnership.**
- Alfred Salia Fawundu, UNDP Resident Representative. **The United Nations and Poverty Alleviation.**
- Mr. Kojo Wadee – Ministry of Foreign Affairs. **The Middle East Crisis – Perspective from Israel**

2nd Semester

- Mrs. Sarah Akrofi Quarcoo Broadcasting Corporation Accra. **Women and the Media.**
- Dr. Godfrey Chikowore – Senior Research and Fellow University of Zimbabwe. **Globalization and Development of Southern African Region.**
- Ms. Adama Wurie – Liaison Officer, UNHCR, Accra. **Overview of the Refugee Problem in West Africa.**
- Dr. Ernest Aryeetey – ISSER. **Globalisation and Poverty in Africa.**
- Dr. Sam Mensah – C.E.O. SEM financial Services, Accra. **Implications of Joining HIPC Initiative: The way Forward.**
- Prof. Tetteh Kofi – Lecturer University of San Francisco U.S.A. **Development and the Structural Adjustment Programme – Personal perspective.**
- Ms. Alice Lamptey Executive Director Vision consults Accra. **Aids Pandemic and Development A Case Study of West Africa.**
- Dr. Theophilus Wereko - Past Director General GIMPA. **Sustaining Public Reforms into the era of Positive change.**
- Mr. Moleyoshi Noro Counselor, Japanese Embassy, Accra. **Globalization,**

New World Order and Ghana Japanese Relations.

- Nana, Dr. S.K. B. Asante. Negotiating Commercial Contracts including the nature and function of stabilization clauses in Investment contracts.

Research/Publications

During the period under review, the Centre published the following books: Regionalism and International Affairs: The Way Forward. Proceedings of a Workshop Organized jointly by the Legon Centre for International Affairs (LECIA), The United Nations Development Programme (UNDP), and The National Institutional Renewal Programme (NIRP), 20-21 December, 1999.

During the period under review, the Centre published the following books:

Bluewey, G.K.

- "Determinants of Political Choice in Koforidua and New Juaben Constituencies in the 2000 General Election" in J.R.A. Ayee, Deepening Democracy in Ghana.
- "Foreign Policy and Decision-Making Process" in paper delivered at the National Conference on Foreign Policy Options Accra, October 18 – 19, 2001.
- Africa In World Politics. A 13-chapter work commissioned by the Institute of African Studies for the FUE African Studies lecturer Series.
- Understanding International Relation (Forth-Coming by Ghana University Press).

Donations

During the period under review, LECIA received assorted books from two former students of the Centre domiciled in the United States of America. The two were Ms. Elsie Gyekyewa Attafuaah and Sandra Aya Enimil.

Major Nobel P.E. Agyemang-Bioh also donated a copy of the book he published on "Preparing for United Nations International Peacekeeping Operations in the third Millennium" to the Library.

VOLTA BASIN RESEARCH PROJECT (VBRP)

Overview

Teaching and research continued as usual, during the 2000/2001 academic year, in the various departments to which Volta Basin Research Project (VBRP) Research Fellows are attached. The Volta River Authority (VRA)-commissioned multidisciplinary Lower Volta Environmental Impact Studies (LVEIS) was climaxed by a National Conference held at the Accra International Conference Centre on 30th August, 2001 with the theme "Supporting the Resource Potential of the Lower Volta

Basin". This formed part of VBRP's strategy to disseminate research results to government and other stakeholders, and also to officially mark the end of LVEIS, which started in 1996. All the disciplinary components of LVEIS namely Agroecology, Socio-economics, Agricultural Economics, Soils and Landuse, Hydrobiology and Fisheries, Limnology and Ecotoxicology, Aquatic Plants Studies, Water Quality and Community Health presented their research findings and recommendations at the conference.

Staffing Position

During the year under review, seven full-time Research Fellows were at post. Due to lack of replacement, two of the Research Fellows, Mrs. C. Amoah and Mr. Ted Annang who were granted study leave, participated in all VBRP's research activities and other duties assigned them in their department of attachment.

Dr. D. K. Attuquayefio of the Department of Zoology and Prof. G. T. Odamtten of the Department of Botany continued to serve as the Project Secretary and the Board Chairman respectively.

There were 18 support staff as follows:

Graduate Principal Research Assistants	3
Technicians (including two Chief Technicians)	5
Chief Draughtsman	1
Senior Fisherman	1
Secretarial Staff	5
Drivers	3

Five Senior Members from various departments of the University helped the full-time Research Fellows as Associates in research activities of the Lower Volta. These were:

Prof. E. A. Gyasi	Dept. of Geography and Resource Development
Prof. J. A. Dadson	Dept. of Agricultural Economics
Mr. D. P. K. Amegashie	Dept. of Agricultural Economics
Prof Tom Kumekpor	Formerly of the Dept. of Sociology
Dr. J. Kpikpi	Formerly of the Dept. of Zoology

Teaching

During the year under review, all the full-time VBRP Research Fellows taught various courses at both undergraduate and postgraduate levels in their various departments of attachment. The Research Fellows also supervised students' dissertation projects at various levels during the session. Dr. Chris Gordon, one of the Research Fellows, continued as Coordinator of the postgraduate programme in Environmental Science, Faculty of Science, Legon. Dr. Gordon also contributed immensely in the establishment of the Centre for African Wetlands (CAW), located at the Department of Zoology. The centre was commissioned on 23rd November 2001, with Dr. Gordon serving as the Interim Director. The following were the

teaching and other responsibilities of the various Fellows during the academic year under review:

Amatekpor, J.K.

- SOIL 303: Soil Morphology and Classification
- SOIL 407: Soil Genesis, Classification and Survey
- Soil 611: Soil Survey and Classification
- Supervised one undergraduate dissertation project.

Amoah, C.

- Levels 100 and 400 (Economic Botany, Bacteriology)
- Supervised undergraduate final year projects.
- Served on M.Phil Supervisory Committee in the Department of Botany.
- Taught part-time at KNUST (M.Sc. Water Quality and Environmental Sanitation, and the Department of Community Health of the University of Ghana Medical School.
- Continued to serve as Chairperson of Board of Directors of the Community Water and Sanitation Agency (CWSA).

Gordon, C.

- Continued as the Interim Executive Director of the Centre For African Wetlands (CAW), with responsibility for its establishment.
- Continued to be the Co-ordinator
- Lecturer in the Post-graduate Environmental Science Programme (M.Phil, Faculty of Science).

Annang, T.Y.

- BIOL 101 (Interactions in Nature) to Level 100 Biological Sciences students.
- Supervised two undergraduate final-year student projects

Ofori, B.D.

- GEOG 101 – Introduction to Physical Geography,
- GEOG 103 - Introduction to Human Geography
- GEOG 102 –Introduction to Map work,
- GEOG 104 – Geography of the Tropical world
- Supervised 12 students' projects at the under-graduate level.

Darpaah, G.A.

- ZOOL 409 (Marine Biology)
- ZOOL414 (Oceanography) to final-year students in the Zoology Department.

Research/Extension

VBRP research activities during the 2000/2001 academic year focused mainly on the final phase (Phase III) of the Lower Volta Environmental Impact Studies (LVEIS).

The activities mainly involved the dissemination of research results through seminars/workshops and report writing. Several meetings were held between the VRA, the project sponsors on one hand, and local groups representing the Lower Volta communities on the other, to deliberate on the way forward in the aftermath of the LVEIS National Conference. The compilation of the final report is on-going. Individual Research Fellows have also engaged in various research activities and extension as follows:

Amatekpor, J. K.

- Continued to provide pedological data and information to researchers and farmers who approached the Soil Service Department (VBRP) for advice.

Gordon, C.

- Carried out work on the Limnology and Ecotoxicology of the Lower Volta, and supervised five M.Phil student dissertations covering the following research areas:
 - Water quality of the Kpong Headpond
 - Wetland management of the Songor Ramsar site
 - Impact of coastal tourism on the environment
 - Environmental profile of the Pra river wetlands
 - Environmental Audits of fuel stations

Extension

- Continues to serve on various International Boards and Committees including;
- Executive Council of the International Society of Mangrove Ecosystems;
- Co-ordinator of the ITTO Global Mangrove Database and Information System;
- Member of the Editorial Board of the African Journal of Science and Technology (UNESCO);
- Series Editor for the Occasional Paper series of the Societas Internationalis Limnologiae (SIL);
- Member, Wetland Inventory & Monitoring Specialist Group, Ramsar;
- African Reptiles and Amphibians: Member of Specialist Group (IUCN);
- 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);
- Chair, UNESCO-IHP Steering Committee on the Humid Tropics (Africa);
- Member, Wetlands International, West Africa Steering Committee;
- Member of Scientific Committee of Africa Basins Workshop on Land-Ocean Interactions in the Coastal Zone (LOICZ, IGBP).

Darpaah, G. A.

- Continued his research on the ecology, biology and culture potential of two local shrimp species (*Penaeus notialis* and *Penaeus kerathurus*) as a

rational basis for the development of shrimp aquaculture in the Lower Volta of Ghana.

Annang, T. Y.

- Research on the possible utilisation aquatic plants in bioremediation, composting, and fodder in the Lower Volta Basin, as part of LVEIS.
- Provision of data and information to local people and researchers on the management of aquatic plants in the Lower Volta Basin.

Ofori, B. D.

- Initiated investigation into the mat weaving industry in the Lower Volta Basin. Analysis of field data is on-going.
- Continued to represent VBRP on the Study Team responsible for presenting a Country Report on Integrated Management of the Volta River Basin. Draft Report was completed under the coordination of EPA.
- Assisted Heifer International (NGO) in formulating proposals to address poverty in the Volta Delta as a follow-up to the Lower Volta Environmental Impact Studies LVEIS.

Publications

VBRP Staff

- Lower Volta Environmental Impact Studies. Final Report.(On-going)

Amatekpor, J. K.

- Soil Resource Base. Chapter 3, pp 15-29, In National Soil Fertility Management Action Plan, Ministry of Food and Agriculture, Gov. of Ghana, Accra. 1999. ISBN 9988-0-0121-5.

Gordon, C. with Yawson, S.K

- Rapid Environmental Assessment and Action Plan of Densu River. Section 3 Water Quality Component (Final Report). Prepared for Nii Consult. United Nations Centre for Human Settlement; Water for Africa Cities. 20pp (2001)
- Aquatic Resource Management and Fresh Water Ecosystems in West Africa. In Crisman, T., Chapman, L., and Chapman, F. FW University of Florida Press, Gainesville Florida, USA. (2001)
- Bui Environmental Impact Assessment, Situation Report: Aquatic Ecology. Prepared for BSK-Acres, Volta River Authority. 31 pp (2001)

Gordon, C. with Van der Winden, J., Nyame, S.K. and Ntiamoa-Baidoo, Y.

- Black Terns in Ghana, October 2000. Report of an Exploratory Survey for Future of Black Terns Studies in Coastal Wetlands. Bureau Waardenburg bv/Centre for African Wetlands/Ghana Wildlife Society/NC-IUCN 58 pp (2001)

Gordon, C. with Ankrah, H.O.

The Aquatic Ecology of Chemu Lagoon and its Catchment. Presentation to Industrial Managers at Tema. Prepared for Ayeh & Ayeh Environment (2000)

Darpaah, G. A

- Salinity Tolerance of the Pink Shrimp, *Penaeus notialis* Perez-Farfante; Decapoda, Penaeidae) in the Volta Delta and its Implications on Shrimp Aquaculture in the Lower Volta. Conference Proceedings (in press)
- Decadal Trends in the Distribution of the Freshwater Clam, *Galatea paradoxa* (Born). *Egeria radiata* (Lam) in the Lower Volta of Ghana. Conference Proceedings (in press)

Tonah, S.

- "Integration und Ausgrenzung der Pastoral-Nomadischen Fulbe in Westafrika: Ein Vergleich der staatlichen Viehpolitik und interethnischen Beziehungen in Ghana und der Elfenbeinküste", *Zeitschrift für Ethnologie*, Forthcoming June 2002.
- "Demontage der Chiefs: Wie im postkolonialen Ghana aus öffentlichen Personen private wurden", Informationszentrum Drittwelt, Freiburg, Germany. (2001).
- "A survey on the Capacity of Small Enterprises for Road Maintenance Projects", for the GHA/GTZ Project, Accra. (2001).
- "A survey of the Association of Road Contractors of Ghana (ASROC) and the Ghana Institution of Engineers (GhIE)", for the GTZ/GHA Project, Accra. (2001)
- "Promotion of small and medium sized enterprises in road maintenance in Ghana GTZ, Accra." et al. (2001).

Ofori, B. D. with Odamtten, G.T.

- Special Report on Workshops, On-site Demonstrations and Field Trials (February–August 2000) - Lower Volta Environmental Impact Studies (LVEIS).

Ayivor, J.S.

- "Patterns of Land Tenure in Anloga, Ghana. In Our Common Estate. RICS Foundation, October 2001.

Conferences/Seminars/Workshops

During the 2000/2001 session the VBRP organised a National Conference on Lower Volta Environmental Impact Studies. All the eight disciplinary components of LVEIS presented papers in their respective areas.

The VBRP Research Fellows also participated in many local and international conferences/workshops where scientific papers were presented.

Amatekpor, J. K.

- National Conference on Lower Volta Environmental Impact Studies: 'Management of Amo Series in the Lower Volta Basin for increased maize production'. August 30, 2001.
- International Conference on Managing Soil Resources of the Tropics for Sustainable Agricultural Productivity. SARI, Tamale February 26 – March 2, 2001.

Amatekpor, J. K. with Dorgbetor, W.K. and Dowuona, G.N.

- Morphology and Classification of Amo Series in the Lower Volta Flood Plains of Ghana. 2001.

Amoah, C.

- Coordinated in the organization of National Conference on Lower Volta Environmental Impact Studies.
- Presented a paper on Water Quality studies in Lower Volta at the National Conference on Lower Volta Environmental Impact Studies.. 30th August 2001.

Gordon, C.

- GEF-UNEP Meeting on the Integrated Management of the Volta Basin. Accra, Ghana. Presented a paper titled "New Initiatives in Water Resource Management: The Centre for African Wetlands and the LOICZ Afribasins Project".
- National Seminar on the Lower Volta Environmental Impact Studies (VBRP/ VRA) Accra. August 2001. Presented a paper (with Addy, M., Ayivor, J.S. Ankrah, H.O.) titled "Limnology and Ecotoxicology: Perspectives from the Lower Volta".
- Final Anglophone West Africa Workshop on National Biodiversity Strategy and Action Plans, Accra, Ghana, September 2001. Presented a paper (with Oduro-Koranteng, L. and Yawson, S.K.) titled "The Integration of Biodiversity into Environmental Assessment Procedures: Case Studies from Ghana".
- JICA International Training programme on Mangroves, Okinawa, Japan September 2001. Presented a paper titled "The Sustainable Management of Mangroves".
- UNEP Conference on The impact of Large Dams on Ecosystem and Aquatic Biodiversity. Nairobi, Kenya, December 2000. Presented a paper (with Yawson, S.K.) titled "The impact of Large Dams on Ecosystem and Aquatic Biodiversity in Ghana: The Volta Basin Experience".

Darpaah, G. A.

- National Conference on Lower Volta Environmental Impact Studies: Hydrobiology and Fisheries of Lower Volta. August 30, 2001.
- One-day seminar on the activities of the Hydrobiology and Fisheries Group of the VBRP's project for the communities of the Lower Volta River, a

- collaboration of the Volta River Authority, Dangbe East District Assembly and the VBRP (University of Ghana)- Alorkporme, Ada (August 31, 2000)
- One-week workshop on Ghana Environmental Assessment Capacity Development and Training for Consultants, EPA Training School, Amasaman, Accra (April 30- May 8, 2001)
- One-day national seminar on "Supporting the Resource Potential of the Lower Volta Basin", National Conference Centre, Accra (August 30, 2001)
- Three-day seminar of the Ghana Science Association (GSA), University of Cape Coast (August 5-9, 2001).

Annang, T.Y.

- National Conference on Lower Volta Environmental Impact Studies: Aquatic Plants of Lower Volta. 30th August 2001.

Tonah, S.

- St. John Boscos Professional Seminar on Technical/Vocational Education and Self-Employment, at the Nurses Hostel, Accra, 3-4 January 2001.
- German Technical Cooperation Workshop on Moderation Skills and Goal Oriented Development Planning, Part I, Labadi Beach Hotel, Accra, 14-17 March 2001.
- German Technical Cooperation Workshop on Moderation and Goal Oriented Development Planning, Part II, M-Plaza Hotel, Accra, 21-23 March, 2001
- West African seminar of the Max Planck Institute for Social Anthropology, Bobo Dioulasso, Burkina Faso, 10-17 March 2001.
- Max Planck Institute Workshop on Property and Equality, June 25-27, Maritime Hotel, Halle/Saale, Germany.
- Seminar on Conflict and Integration of the Max Planck Institute for Social Anthropology, at Borgholzhausen, Germany, 13-16 July 2001.
- VBRP/VRA National Conference on Lower Volta Environmental Impact Studies, Accra International Conference Centre, 30th August 2001.
- "Overview of the Challenges and Opportunities of the West African Economies with Special Reference to the Informal Sector" Paper presented at a professional seminar on technical/vocational education and self-employment, Nurses Hostel, Accra, January 2001.
- "The Expulsion of Fulani Nomadic Pastoralists from Ghana". Paper presented at a West African seminar of the Max Planck Institute for Social Anthropology, Bobo Dioulasso, March 2001.
- "Fulani Pastoral Migrations into the Middle Belt of Ghana". Paper presented at a seminar on Conflict and Integration of the Max Planck Institute for Social Anthropology, at Borgholzhausen, Germany, July 2001.
- "Fulani Pastoral Migration, Sedentary Farmers and Conflict in the Middle Belt of Ghana, Paper for the National Conference on Livelihood and Migration, ISSER, July 2001.

Ofori, B.D.

- Heifer Project International - Strategic Planning Workshop, May 24-26, 2001. Marina Hotel Dodowa
- National Conference on Lower Volta Environmental Impact Studies (LVEIS), International Conference Centre, Accra (30 August 2001), under the auspices of VBRP & VRA
- 'Agroecological Situation in the Lower Volta" - Heifer International Africa Representatives Meeting. Accra and Cape Coast, 22nd -31st October, 2001.

Benefactions

The VBRP is grateful to the Volta River Authority (VRA) for funding of the National Conference on Lower Volta Environmental Impact Studies (LVEIS).

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	476
Level 200	341
Level 300	48
Level 400	36
M.Phil Part I	3
M.Phil Part II	7
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. At level 100 the department was forced to cancel practicals for the second semester. Lecturers continued to be overloaded because of the large number of students, this affected their research output tremendously.

The lack of basic equipment for research continued to hamper research in the department. Dr. (Mrs) Dorcas Osei- Safo joined the Department as a lecturer after successfully going through her PhD. Programme in the Department.

At the undergraduate level the passing rate of students in examination continued to be disappointing. Obviously the large number of students hamper effective teaching and learning. At levels 300 and 400 the passing rate was still unacceptable.

In general students continued to show lack of interest in the subject. Their attendance rate at lectures was very low.

Some members of the department continued to serve on various boards and also as examiners of the West African Examination Council.

For the year under review the department had the following staff at post:

1. Prof. W.R. Phillips
2. Prof. W.A. Asomaning
3. Dr. I.V. Oppong (Head of Department)
4. Dr. F.L. Phillips
5. Prof. M. Dakubu
6. Dr. C.T. Beni
7. Dr. R.K. Akuamoah
8. Dr. D. Carboo
9. Dr. A.K. Brimah

10. Dr. L.K. Doamekpor
11. Dr. V.K. Nartey
12. Mr S. A. Asunka

Dr. K. Adaboh was away from the country as a research fellow at the Institute for Crystallography, Free University of Berlin, Germany. The scholarship for the research was awarded by Alexandervon Humbolt Foundation, Germany.

Staff Publications

Kingsford Adaboh, R., Ditttrich, B., Grosche, M. and Luger, P.

- Acta Cryst. C56 (200) 1274 - 1276

Kingsford-Adaboh, R., Osei-Fosu, P., Asomaning, W.A., Weber, M. and Luger, P.

- Cryst. Rest. Technology 36 (2001) 107-115

Akpabli, C.K. and Drah, G.K.

- "Seasonal Variation in Water Quality of the Densu River", in Proceedings of the 10th Faculty Colloquium, Fac. of Sc., University of Ghana, 2001, 18-30.

Lowor, S.T., Akpabli, C.K. and Yeboah,

- "A TLC Methodology for Screening Herbicides using Local Plants and Grasses", Journal of the Ghana Science Association, Vol. 2 No.3 (2000) 144-152.

Nartey, V.K., Akpabli, C.K. and Salahudeen, S.

- "Preparation and Characterization of Glues from Animal Bones", Journal of the Ghana Science Association Vol.2, No.3 (2000) 177-183.
- 11th Faculty of Science Colloquium, University of Ghana, Legon, 8th - 9th May 2001, Paper: "Efficiency of some extraction solvents for the recovery of herbicides in a Coastal Savana soil"; C.K. Akpabli, S. Afful and P. O. Yeboah

Extension Activities

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

1. Ghana Standards Board - Technical Committee
2. West Africa Examinations Council.

Conferences, Seminars and Workshops

Members of the department participated in various conferences and workshops. Dr. I.V. Opong gave a paper on "Textbook Production at the University Level" at the 11th University of Ghana Science Faculty Colloquium held in May 2001.