

# EASTERN

EASTERN WASHINGTON UNIVERSITY  
Cheney and Spokane

## UNIVERSITY DEVELOPMENT LINKAGE PROJECT ANNUAL ACTIVITY REPORT OCTOBER 1, 1996 to SEPTEMBER 30, 1997

Lead Institution:	Eastern Washington University
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Three UCC faculty (Addai-Sundiata, Saighoe & Tufuor) traveled to EWU during spring quarter 1998 supported by funding from the 1996-1997 fiscal budget.

Between October 1996 and September 1997, nine EWU faculty visited UCC for periods of two to three months. It should be noted that only four of these visits were financed with 1996-1997 grant funds (Todd, Hashmi, Huttenmaier & Logan). Due to a UCC faculty strike during Fall 1995 and early 1996, and subsequent cancellation of UCC courses, three participants postponed earlier planned trips to UCC until Fall 1996 (Lightfoot, McKean & Zyskowski). Another two EWU faculty (Galm & Stradling) returned to UCC in summer 1997 with funds supplied by EWU academic departments as matching so that they could continue their research begun summer 1996.

### **A description of the past year's activities under each linkage objective:**

*Objective 1: To implement a post-graduate training program which will provide current University of Cape Coast (UCC) faculty with the opportunity to enhance their professional knowledge and skills in fields identified as critical to UCC and to provide focus to the development of master's level education at UCC.*

Activities outlined under 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, and 1.7 in Annual Work Plan Year 4 have been implemented with the completion of the spring 1997 visit of three University of Cape Coast (UCC) faculty to Eastern Washington University (EWU). The visit of these faculty brings the number of UCC participants who have experienced the planned post-graduate training program outlined in the grant to twenty. All of the visitors were involved in activities designed to enhance their professional knowledge and skills in fields identified as critical to UCC. Specifically, the visiting faculty, Dr. Joseph Tufuor, who participated under this objective, was assigned to the Education department where he audited and taught classes, and collaborated with his

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EWU counterparts to obtain materials for the science education faculty. Specifically, Dr. Tufuor audited Dr. Logan's Monday night section of science education methods in which Dr. Tufuor observed Dr. Logan's teaching style and methods. Dr. Tufuor then assumed teaching responsibilities for a Wednesday night section of this course with a different group of students.

During this fiscal year seven EWU faculty traveled to Ghana for this objective to work with graduate faculty at UCC. Their participation emphasized music, biotechnology, teacher education, gender development, sociology and science education.

Dr. Martin Zyskowski was the first professor of Western percussion and American jazz styles to serve as guest faculty at UCC. He taught courses in Music Theory/Composition, Music Literature, and History and Performance of Western Percussion Instruments. He also served as Musical Director for the newly formed University of Cape Coast Jazz Combo. This experience culminated in the group's first public performance of American Jazz Music. Dr. Zyskowski also obtained over \$5500 of donated American musical instruments and teaching materials for UCC.

Dr. Don Lightfoot taught courses in biotechnology and established a graduate plant biotechnology program. His activities included organizing a laboratory facility for this program, as well as designing graduate courses and collaborating with Botany faculty. Dr. Lightfoot also secured \$2700 in donations from the EWU Biology department as well as his personal financial contributions of materials and equipment. Over \$5000 of scientific journals were also donated for this project.

Dr. Nancy Todd presented workshops for education faculty about integrating technology in the teacher education program. Participants were introduced to several programs and given opportunities for hands-on practice. Issues related to hardware, computer-assisted instruction, computer-managed instruction, telecommunications, and computer lab development were introduced. Uses of the Internet and e-mail were also included. Over 300 software disks were donated for science education.

Dr. Kathleen Huttenmaier taught gender issues in a field research class to graduate students at the Centre for Development Studies and gave several special presentations on gender issues, including "Historical Significance of Gender and Development" and "Gender and Rural Technology."

Dr. Bilal Hashmi taught two Sociology courses at UCC about Race, Ethnic, and Minority Studies. In addition, he was able to provide advice and counsel for graduate students regarding their research.

Heather McKean collaborated with Dr. Tufuor in science education by teaching units in two courses and assisting with the uses of computers in science education. She was also able to share her experiences in integrating Botany and Zoology in science education at EWU with faculties of the Department of Botany and the Department of Zoology at UCC.

Dr. Jerry Logan was able to hold extensive discussions on science education with professors, teachers, and administrators. He also was able to demonstrate science education methods in local classrooms. Dr. Logan also provided about \$2900 of personally donated books on elementary science education methods, software, technology supplies, and computer equipment.

*Objective 2: To internationalize EWU's curriculum by providing faculty with a first-hand opportunity to experience culture and educational process in a developing nation, and by utilizing the expertise of UCC faculty in integrating materials on development-related issues into EWU curriculum...*

Activities that were implemented under objective 2 are 2.1, 2.2, 2.3, 2.8 and 2.9. Two of the UCC faculty traveled to EWU in Spring 1997 for this objective. Dr. Francis Saighoe taught a course in Music of African Cultures for the EWU Music Department and team taught a percussion class with EWU's Dr. Zyskowski. Dr. Saighoe's efforts culminated in a standing-room only, well-received, superb concert of African music. This was an outstanding tribute to Dr. Saighoe's musical and teaching talents. Dr. Saighoe also gave a presentation at the EWU Women's Center about "Women's Roles in Music in Ghana." In addition, he gave several presentations about African music in local public schools.

Dr. John Addai-Sundiata, UDLP Director at UCC, taught a course in The Black Family for the EWU Sociology Department. Additionally he gave two invited presentations for the International Studies program: "The Ethnic Factor in Nation Building in Modern Africa--Perspectives in Colonialism and Imperialism" and "Environmental Problems in Contemporary Africa."

It is also noted from trip reports by EWU faculty that they are able to incorporate many of their insights gained from participation with the grant into their professional work back at EWU. Examples are described below.

Dr. Hashmi gave two presentations, in addition to incorporating his Ghanaian experiences in his regular classes. These include a presentation of his experiences to the South Asia Cultural Association, Spokane Chapter, and one at the South Asia Caucus of the American Sociological Association's annual meetings at Toronto, in August 1997. Dr. Hashmi also been asked to summarize his experiences in Ghana for publications in the United Nations, Spokane Chapter Newsletter.

Dr. Galm and Dr. Stradling gave two presentations this spring to local groups on findings on coastal erosion from their July 1996 trip. These talks were: "Cultural and Physical Landscape of Southern Ghana" and "Natural Resources and Coastal Environments."

An additional course, "African Resources in the Curriculum," was developed and taught during the summer at EWU by Dr. Todd. The audience of this class included preservice and inservice public school teachers.

***Objective 3: "To conduct joint research between EWU and UCC faculty..."***

Although the research objective was canceled for 1996-1997 as a primary travel objective, faculty at both UCC and EWU are still pursuing joint research opportunities.

Dr. Stradling and Dr. Galm specifically traveled to Ghana under this objective to research and consult regarding environmental erosion, a vital development issue in Ghana. Their research had begun during their summer 1996 trip. The EWU Departments of Geology and Anthropology contributed matching funds for their expenses for the July 1997 return trip.

Dr. Tufuor and Dr. Todd are also collaborating on a research project with collected data using the Perry Learning Environment Preferences scale, a measure of adult learning development. Comparisons are being drawn between UCC and EWU students. Data is being analyzed at this time. These research reports will be submitted for publication in 1998.

Dr. Logan of EWU will be continue to collaborate with Dr. Tufuor in a research study comparing the problem solving abilities of middle school students in Cape Coast with middle school students in Spokane, Washington.

***Objective 4: To implement a 'training of the trainers program' at UCEW***

During January 1997 Dr. Todd met with the instructors from the University College of Education at Winneba who are graduate students participating in the field-based masters program sponsored by EWU and UCC. She advised on their progress toward completion of their masters theses. And during the summer of 1997, Dr. Felix Boateng, project consultant, traveled to UCC at his own expense, providing a generous match, to also meet with these graduate students. Discussions with the students and with each of their UCC faculty advisors who are facilitating this masters program reflected updates on the field-based masters degree program, student concerns, course work, special projects, thesis and other issues associated with deadlines about completion of the degree program. Graduation for these participants is planned for July 1998.

The Applied Psychology department at EWU has generously donated over 2900 books and periodicals, providing a significant financial match, which are currently being shipped to the UCEW library. These materials relate to teaching and learning psychology.

### **A description of progress toward the completion of each linkage objective**

*Objective 1: To implement a post-graduate training program [which will] upgrade UCC faculty skills...*

By the close of year four, twenty participants from the University of Cape Coast had participated in the faculty development objective. The purpose of this activity is to enhance the skills of UCC faculty in graduate education. Of particular note has been the work of Dr. Charles Stephens of UCC and Dr. Lightfoot of EWU. Both have traveled to each other's universities to establish a biotechnology laboratory and UCC and to upgrade faculty knowledge and skills to keep the biotechnology program operational at UCC. Another EWU faculty member is currently at UCC working with the biotechnology program; a UCC biotechnology faculty member will be coming to EWU in spring 1998.

There has been continued collaboration and exchange with teacher education faculty from both universities with a particular emphasis on educational technology and science education. Music is another area that has received emphasis in curriculum development at both universities.

*Objective 2: To internationalize EWU's curriculum by providing faculty with a first-hand opportunity to experience culture and educational process in a developing nation, and by utilizing the expertise of UCC faculty in integrating materials on development-related issues into EWU curriculum...*

To date, we have had nineteen EWU faculty who have visited UCC and participated in teaching in the graduate program, consulting, and/or collaborating on a research project. All faculty have returned with a heightened sense of awareness and enthusiasm about the need for internationalizing the EWU curriculum. EWU grant participants have incorporated their learning experiences from grant participation in Ghana into their professional roles. For example, Dr. Hashmi taught a summer course in Islam in the Modern World in which he incorporated insights from his experiences in Ghana.

Ms. McKean gave a seminar at EWU sharing her new understandings of Ghana's problems regarding bush-fallow agriculture and the subsequent depletion of the rainforests.

Dr. Huttenmaier teaches courses in Women and European History and in Feminist Theory. She now includes an international viewpoint that is non-western in order to give students a clearer picture of women in other cultures, especially Third World countries

An African History course developed by a UCC faculty and delivered at EWU has been approved as one of the required courses in international education for the undergraduate degree. This class is scheduled to be taught in spring 1998 by a visiting UCC faculty.

Over \$1400 of books and multimedia resources were purchased from EWU Department of Education funds for the EWU library. This funding is a matching contribution. These books were purchased in support of an Education workshop given this summer, "African Resources in the Curriculum," developed and taught by Dr. Todd. These materials represent a wide range of disciplines that can be used for other courses related to Africa.

### *Objective 3: Collaborative Research...*

Most collaborative research projects are on-going. Written reports are not expected until year five. Even though this objective was cut for year four due to USAID funding reductions, EWU and UCC faculty have and will continue with joint research pursuits in addition to teaching responsibilities.

Dr. Stradling and Dr. Galm, both of the EWU Geography and Anthropology Departments, conducted field research on environmental erosion in Ghana, along with members of the UCC Geography Department in summer of 1996. The EWU Geography and Anthropology Departments funded their return trip in summer 1997 to continue this research and to continue to recommend plans for dealing with this vital issue. This is a significant financial matching contribution.

During this fiscal year a research handbook was published by one of the first UDLP participants from EWU who traveled to Ghana in the spring of 1994. Dr. Bruce M. Mitchell co-authored the book, *Multicultural Education: An International Guide to Research, Policies, and Programs*, published by Greenwood Press. This book focuses on ways that multicultural education is handled by educational systems throughout the world. During Dr. Mitchell's trip, he was able to complete the research needed to write the chapter on education in Ghana.

### *Objective 4: To implement a 'training of the trainers program' at UCEW*

Eighteen candidates are completing specific courses for their individual masters programs in education and are beginning their research projects, having been linked with UCC faculty with thesis advisors. These UCC faculty

have tutored courses for these individuals, as well as supervising theses. Plans are being made for their graduation ceremony in July 1998. The graduate students are all instructors in a teacher training institution, who are in turn, sharing their new knowledge of teaching and learning with their own students who are teacher candidates.

**A description of any problems or barriers affecting the progress toward achieving the linkage objectives.**

The major problem that affected the program was the 50% cut in budget funding for 1996-1997. This resulted in halving the number of intended participants from UCC traveling to EWU and likewise, halving the number of EWU faculty participants traveling to UCC. We at both EWU and UCC are grateful for the restoration of full funding in order to complete the grant objectives.

**Description of progress toward ensuring the sustainability of the Linkage.**

A significant major contribution toward the sustainability was the participation of Ms. Doris Danchi, the Administrative Assistant who managed the USAID grant for UCC, as an exchange participant in Spring 1996. She worked in the EWU grants office where she wrote a grant for the Carnegie Corporation to obtain a server to establish a computer network for UCC. As a result, in the fall of 1996 UCC was awarded \$100,000 from the Carnegie Corporation to cover the costs of computer servers and cable. This grant is renewable in two more phrases in order to provide training and support. This award is a very significant outgrowth of our UDLP grant and will greatly enhance telecommunication between project participants from both of our universities.

Visiting UCC faculty at EWU participated in sessions in the uses of e-mail and the Internet for teaching and research. These participants returned with enthusiasm to support UCC initiatives in bringing telecommunication resources to their campus. This will greatly assist grant participants in continue communication.

As a result of participation by Dr. Francis Saighoe of UCC in Spring 1995 and participation of Dr. Martin Zyskowski of EWU in Fall 1996, both of their respective Music Departments, music equipment has been donated to both universities. Dr. Zyskowski arranged for donations of musical instruments from a major music instrument supplier to be donated to the UCC Music Department. Previously, Dr. Saighoe had brought Ghanaian musical instruments to donate to EWU. Dr. Saighoe returned in Spring 1997 to teach two more African music classes for year 4 in order to sustain his work of Spring 1995. Also during Dr. Zyskowski's fall trip to Ghana, he purchased for himself

a set of Ghanaian drums for him to continue his learning and teaching of Ghanaian music at EWU. African music will continue to play a significant role in the EWU curriculum. In September 1997 Dr. Zyskowski presented an African drum "hands on" demonstration for interested freshman/transfer students as part of university college recruiting this September. It was highly successful as out of about 30 prospective students, 25 selected the African drum track revealing keen interest or curiosity. Dr. Zyskowski also presented 7 high school African Drum clinics/demonstrations based upon knowledge gained from Ghana his trip. This represents significant recruiting activity for potential EWU students.

As a result of the participation by Dr. Charles Stephens of UCC in Spring 1996 and participation of Dr. Lightfoot of EWU in Fall 1996, both biotechnology professors, equipment valued at \$5000 has been donated to UCC from EWU. In addition to teaching, Dr. Lightfoot further advised on the structure of a graduate degree in biotechnology. The EWU Biology Department provided a \$2500 award to Mr. Eric Flamoe to travel to UCC to teach in the new biotechnology program for fall 1997. In the spring of 1998, we are expecting another biotechnology faculty from UCC to travel to EWU to continue this link.

A Fall 1996 participant, Heather McKean traveled to UCC to teach and consult about science education. A science education professor, Dr. Tufuor and EWU professor, Dr. Todd collaborated to team teach about computer technologies in teacher education during Winter 1997 at UCC. Dr. Tufuor then traveled to EWU during spring 1997 to further develop his skills in graduate teacher education in both of these areas. Another EWU science education professor, Dr. Logan, traveled to UCC during summer 1997 to continue these collaborations in science education.

In my opinion, the greatest strides with sustainability are in those areas such as biotechnology, music, and science education, because there has been an continual exchange of faculty counterparts in those departments from both UCC and EWU traveling to each others' universities in order to sustain collaborative work in teaching. I also believe that having several people from the same department helps sustain interest. For example, there have been six of us from the EWU Department of Education who have traveled to Cape Coast and have been able to share insights and curricular ideas.

In addition to the above described activities, Dr. Addai-Sundiata and Dr. Todd attended a UDLP Roundtable Workshop at Washington State University in May 1997. Both came away with clearer understandings of UDLP grant purposes, problems of implementation, and solutions.

### **Quantitative outputs of the linkage activities**

Outputs include the following:

- (a). Twenty UCC Faculty have traveled to EWU to address objective one of the project--to enhance the skills of UCC faculty in fields identified as critical to the UCC's graduate education.
- (b). Eighteen faculty from the University College of Education at Winneba are enrolled full time in the field-based masters degree program. These participants are now pursuing their final major research projects or theses. Their graduation is scheduled for July 1998.
- (c). Nineteen different EWU professors have participated in the linkage, returning with ideas for internationalizing the EWU curriculum.
- (d). A total of nine African Studies courses have been taught at EWU during the past four years. These include: African Resources for the Curriculum, The Black Family, African Music, African Literature in English, African Religions, Problems of Aging in Africa, and African Culture in Transition, African History, and African Economic and Political Geography. The African History courses has been officially approved as a requirement for the international education component of the undergraduate degree at EWU.

It should also be noted that the spring 1997 issue of *Ghana Review International* included a very thorough report of our UDLP grant structure and accomplishments at EWU and UCC for the past several years.

**An assessment of the impact of the linkage on internationalization of the recipient institution and any U. S. linkage partners; and an assessment of developing country linkage partner institution capabilities to meet its societal development needs.**

At Eastern Washington University, a total of nine different courses related to African studies have been taught. The new African history course has been approved as one of the courses that will fulfill international studies requirements for EWU Bachelor degree. An additional seven African courses, for a total of eight, have been taught at EWU by UCC faculty during years 2 and 3 of the grant. In addition, one EWU faculty developed and taught an education course, African Resources for the Curriculum. EWU faculty who have traveled to UCC have incorporated aspects of their new understandings into their courses and professional work, as reported above. As the writer of this report is an Education professor, I have seen evidence of this from all six of us from the EWU Education department who have traveled to Ghana during the past four years.

Not only have EWU participating faculty incorporated aspects of their learnings gained through their grant participation, several have significantly

contributed financially by personally donating equipment, software, books and other assorted teaching materials, thereby demonstrating a personal commitment to continued collaboration.

In addition to typical matches by an American university, such as in contributions of participating salaries, at EWU the departments of Education, Applied Psychology, Biology, Geography and Anthropology have made significant financial contributions in supporting additional faculty participation and materials. This kind of support has been generated by EWU faculty as a result of their enthusiastic participation in the grant at UCC.

Also, the women faculty grant participants from EWU hold planned meetings to sustain their interests in women's issues in developing countries.

At the University of Cape Coast, UCC faculty who have traveled to EWU have shared with their colleagues their new insights in graduate curriculum design in teacher education. The continued masters program for the eighteen faculty at the University of Education at Winneba, sponsored by UCC and EWU, will strengthen participants teaching skills as teacher educators which also will, in turn, impact Ghana's important educational reform movement.

Increased telecommunication skills by UCC participants with EWU counterparts will ensure that further collaboration will continue and will become more efficient. The award by the Carnegie Corporation for networking equipment is a significant outgrowth of this grant and will greatly enable UCC to maintain both national and international connections as they continue to meet their societal development needs.

The Biotechnology program established at UCC with the help of EWU is the first biotechnology program in higher education in Ghana. This is a critical need in the context of development in Ghana. There is a keen, on-going interest by EWU grant participants from the Biology department for continued collaborations on the biotechnology project, as well as science education.

As mentioned previously, because there has been an continual exchange of faculty counterparts from both UCC and EWU in the biotechnology and teacher education areas, continued collaborative work in teaching has been greatly enhanced. Ultimately, grant sustainability will rest with individual faculty at both universities pursuing continued contact.