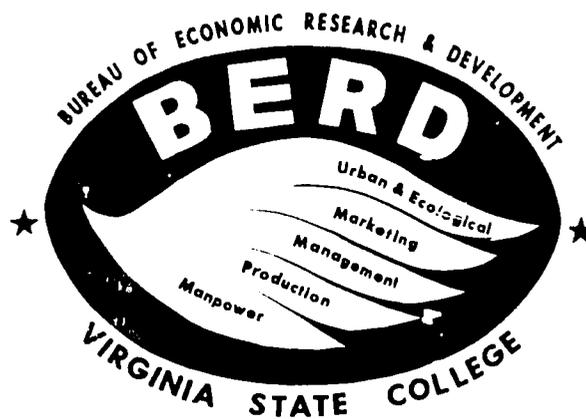


BUREAU OF ECONOMIC RESEARCH AND DEVELOPMENT

Sixth Annual Report



U. S. Agency For International Development

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I. GRANT TITLE: TO IMPROVE COMPETENCE IN AGRICULTURAL ECONOMICS AND ECONOMICS TO ANALYZE AND CONTRIBUTE TO RESOLVING PROBLEMS OF LOW INCOME FARM AND RURAL NON-FARM UNITS

211(D) Annual Report

Date Due: Aug. 31, 1978

Date: August 30, 1978

GRANTEE: Virginia State College

COORDINATOR: Huey J. Battle

AID SPONSORING TECHNICAL OFFICE: Technical Assistance Bureau

A. Statistical Summary:

Period of Grant: June 1, 1972 to May 31, 1979. Amount of Grant: 850,000.00.

Expenditures for Report Year 172,068.82. Accumulated 666,672.87. Anticipated for next year 183,327.13.

B. Narrative Summary

1. Principal accomplishments during this period (FY 1978) of the grant:

The principal accomplishments of Virginia State College (VSC) through its Bureau of Economic Research and Development (BERD) under the 211(d) AID institutional grant includes objectives/outputs in five categories of activities (a - e), outlined below:

a. Expanded Knowledge

- (i) Increased capability of BERD/VSC "core" and other staff/faculty members.

Five and one-fourth full-time man year equivalent (ten persons of which six are core BERD staff) experienced in: rural development (Agriculture Marketing, Production, Management, Manpower and Credit).

AID/CSD-3415

- Increased number of VSC staff/faculty members participation in international agricultural and rural development projects and programs to include:
 - (1) Educational Psychology and Administration (2)
 - (2) Marketing/Management (small businesses) (2)
 - (3) Industrial/Vocational Education (1)
 - (4) Educational Research (1)
 - (5) Agriculture - [agronomy (soils), plant sciences (horticulture), education¹] (3)
 - (6) Economics (regional/development) (2)
 - (7) Sociology (1)

(ii) Field research projects in LDCs; and domestic related research projects.

- Collaboration research with Ghanaian professional and graduate student research assistants in LDCs (Ghana).
- Research project - "Customary Land Practices in Relation to Agricultural Production," with Acquah (VSC) and Acquaye (UST) as principal investigators--in progress.
- Research project - "Economic Viability of Small Scale Farms in the Ashanti Region," with Acquah (VSC) and Opoka Debrah (UST) as principal investigators--in progress.
- "Supply Responses of Cotton Farmers in Ghana," research for a masters degree with Acquah (supervisor) and Ohene-Darko (student)--in progress.
- Two research projects for master's degree from projects (i) and (ii), with Acquah (supervisor) and Gyawu and Andoh (students, respectively)--in progress.
- Two research projects--"Enterprise Combination and Capital Requirements in Northern Ghanaian Agriculture," and "Production of Implements for Small Scale Rice Farmers in Northern Ghana-Socio-Economic Aspects," with Joshua (VSC) and Anim-Appiah (UST) as principal investigators--scheduled for completion, September 1978.
- Two master's degrees theses completed--"Food Marketing, Transportation and Small Farm Production in Ghana: A Case Study of the Atebubu Agricultural District" (Harmon) and "Farm Organization

and Input Utilization: A Case Study of Rice Production in Northern Ghana" (Ahene) March, 1978.

One Ph.D. dissertation in progress--"The Political Economy of Food Marketing in Ghana: 1972-1976" (Moore - former research associate) --expected completion 1979.

Research projects in South Central Virginia carried out by BERD research staff (research associates and research assistants).

- "The Small Farmer and Agricultural Marketing in South Central Virginia," (Moore)--in review for final draft.
- "Marketing Organization and Activities by County in South Central Virginia," (Moak)--in second draft.
- "Manufacturing and Service in South Central Virginia" (Moak/Whyte)--in final draft for publication--forthcoming.
- "Agricultural Resources and Development of Small Farms in South Central Virginia" (Moak/Whyte)--monograph forthcoming (second draft).
- "An Assessment of Human Resources and Development of Small Farms in South Central Virginia" (Acquah/Gyekye)--monograph forthcoming (document in final review).
- "Value of Farm Wives' Time in Agricultural Production: A Case Study of South Central Virginia" (Acquah)--document in progress.
- "A Targeted Area Information System for Facilitating Program Development, Education Guidance and Client Career Selection: Supply and Demand" --Chipley (former BERD summer research associate)--project completion doubtful.

In addition to the above projects (domestic related to LDCs), there are two projects that were funded and initiated:

- USDA (SEA/CR)--"Production and Marketing of Livestock--Opportunities for Small Rural Farmers in South Central Virginia"--(Whyte, Joshua, De and four graduate student research assistants)--in progress.

DOT--"Socioeconomic Impact of Intra-State Motor Carrier Regulations on Rural Development" (Battle, Joshua, staff and three graduate student research assistants)--to be initiated in September 1978.

(iii) Participation of VSC's staff/faculty members in design, analysis and/or evaluation of US-AID projects in LDCs.

- BERD/VSC staff utilized grant funds for design, analysis and evaluation of projects in LDCs.
- Research projects in Ghana were designed, analysed and evaluated in collaboration with VSC/UST linkage personnel--Whyte, Acquah in design and analysis; Whyte, Battle in evaluation.
- Research projects of UST (independent of the linkage program) were analysed and evaluated with assistance from Acquah (VSC's linkage representative at UST).

b. Advisory Capacity

(i) Increased "core" BERD/VSC capacity in identification, design, analysis and evaluation of rural development problems.

- The advisory/consultative capacity of BERD/VSC increased from participation in USAID projects and programs in LDCs.
- BERD/VSC staff served as project design officer on USAID project design team to Upper Volta,--Tuthill--(1.5 person-months), Nov-Dec. 1977--(a SECID initiated project).
- BERD/VSC staff served on evaluation/design team to Kenya, Whyte--(1.0 person-months), April-May, 1978 (A DR/AFRI/AID initiated project).
- BERD/VSC staff served in consultative/advisory capacity to ESP/DSB/AID on evaluation of 1890 Land Grant institutions for greater participation in AID's projects and programs, Whyte--(3.5 person-months), 1977-1978.

(ii) Released time for faculty/staff members to respond to LDC and AID requests for consultative advisory services.

A total of 6 person-months utilized by AID and AID supported organization including DSB/(ESP/AGRI),

DRB/AFRI and SECID [Upper Volta (AID supported) project].

Total person-months allocated by BERD/VSC: 13-16 for reporting period; and 25 to 33 for extension period.

Consultative/advisory research capacity in rural development (Agricultural Production, Marketing, Management, Manpower and Agriculture Credit).

Consultative/advisory services were available from the following:

1. Emmanuel Acquah - Production, Resources
(Ph.D, Agri.Econ) Management, Development
2. Michael Joshua - Credit, Management
(Ph.D., Economics) Development
3. Janet Tuthill - Resources, Sociology
(M.A.International Development, Education
Studies)
4. Frederick Lesnett - Rural Sociology,
(Ph.D, Sociology) Resources
5. William T. Richie - Development,
(Ph.D, Economics) Resources
6. Samuel Moak - Marketing, Management
(Ph.D, Bus. Ad-
ministration)
7. Huey J. Battle - Manpower, Marketing
(Ph.D, Agri.Econ/ Development
Econ)
8. Charles Whyte - Production, Marketing,
(Ph.D, Agri.Econ/ Resources, Development
Econ)
9. William Edmonds - Education, Psychology
(Ed.D, Education) Development
10. C. J. White - Rural Sociology,
(Ph.D, Sociology) Resources
11. Valmor Goines - Education, Development
(Ph.D, Education)

- | | | | |
|-----|-----------------------------------|---|-----------------------------------------------------------------|
| 12. | J. B. Harris
(M.Sc. Bus. Adm.) | - | Marketing and
Management |
| 13. | Franklin Moore | - | Now-with Peace
Corp Ghana, Africa
(6/1 st /78) |
| 14. | Donald Chipley | - | Now-in Australia (as
of 1/1/78) |

c. Education and Training

(i) Master's degree program in Economics, with concentration in economic development.

- Supported a total of ten graduate student research assistants as follows: four LDCs (3 Ghana, one Nigeria)--under AID.
Two USA - under AID.
Three USA - under SEA/CR.
One LDC (Jordan) under SEA/CR.
- Two students completed M.S. Degree [Ahene (Ghana) and Harmon (USA)--under AID].
- Secured funds from US-DOT for three additional graduate student research assistants.
- Trained students in research methodology survey techniques, interviewing technique field projects and research writing.
- Offered courses relevant to international development of LDC and concentration of program in economic development: International Trade, Economics of Underdevelopment, Agricultural Prices (Pricing and Price Making) and Agricultural Management.

(ii) Seminars, workshops, short courses and conferences.

- Conducted a series of working seminars: six formal seminars during the year as part of the training program for graduate students (BERD staff).
- Conducted two college seminars on: "Food and National Development in Ghana;" and "Problems of Rural Development in LDCs." (BERD staff).
- Conducted formal course in French language (Feb. - May, 1978) for BERD/VSC staff (Tuthill).
- Conducted series of informal working seminars with students on research methodology, proposal

writing and economic development.

- Conducted formal seminar in Ghana for graduate students and undergraduate seniors, July - Dec., 1977, (Acquah).
 - Conducted informal workshop and training sessions in Ghana for research assistants, 1977-1978 (Acquah).
- (iii) VSC and LDC (UST) staff training-exchange program under linkage arrangement, for improving capacity (knowledge in working with LDCs).
- One VSC professional at UST Ghana (July, 1977 to present)--Acquah.
 - Three research assistants at UST, Ghana--July, 1977 - Dec., 1978--(Ohene-Darko, Andoh and Gyawu).
 - Short-term BERD/VSC staff to LDCs-- 2 to Ghana (1977-1978).
 - Planned visit of UST staff members for (two) up to 8 months at VSC.

d. Linkages and Networks

(i) Strengthened existing rural development linkages with LDCs (Ghana).

- Extended linkage program consistent with grant extension to continue research, training and exchange of staff and faculty.
- Collaborated with UST in establishing BIRD (Bureau for Integrated Rural Development).
- Extended linkages with LDC institutions for exchanging information on rural development problems.
- Kept up correspondence with University of Liberia for formulating possible linkage.

(ii) Exploring and establishing new linkages with LDCs.

- Utilized consultative/advisory assignments in Upper Volta and Kenya for formulating new linkages (University of Quagadougou and Nairobi, respectively).
- Made inquiries about possible linkage arrangements with Universities in Nigeria.

- (iii) Established linkages and networks with U.S. and International institutions.
 - South-East Consortium for International Development (SECID)--continued to explore opportunities through SECID.
 - Established closer linkage with the other 1890 Land Grant Institutions and Tuskegee Institute.
 - Continued active involvement with and participation in activities of BIFAD.
 - Explored contractual arrangement with US-AID/Ghana.
 - Explored collaborative arrangement with FAO/UN.
- (iv) Participation of BERD/VSC staff/faculty members in linkage activities.
 - Utilized 15 person-months of staff/faculty time on linkage activities in Ghana (Acquah, Ohene-Darko, Andoh and Gyawu).
 - Allocated up to 18 person-months for utilization in LDCs.

e. Information Dissemination Capacity

- (i) Acquisition of reference materials
 - Collected, stored and disseminated useful, updated information related to agriculture, economic and rural development.
 - Searched and inventoried Africa, international centers, LDC records and files and U.S. institutions for data and information on agriculture, economic and rural development.
- (ii) Reports of research completed and/or in progress including publications of monographs, newsletters, working papers, conference proceedings, etc.
 - Publication of four quarterly newsletters.
 - Submitted three monographs for publication (at press)--forthcoming 1978.
 - At least three monographs prepared in final draft to be submitted for publication.

- Three papers presented at professional meetings: American Agricultural Economic Association (Whyte); Southern Regional Science Association (Joshua); Virginia Economic Association (Lesnett).
- One paper accepted for professional meetings: Southern Economic Association (Whyte).
- One conference proceeding in preparation from a VSC/UST Linkage Conference: "Rural Development and Regional Planning."
- Four master's theses completed (Gyekye, Bezunch, Harmon, Ahene).

C. Detailed Report

1. General Background and Description of Problem

With a large proportion of its students coming from the rural areas, Virginia State College has long held an interest in rural development. Consequently, VSC, through its Bureau of Economic Research and Development (BERD) has focused its research efforts on the low-income segment of the rural sector. BERD selected, as its laboratory, rural South Central Virginia, consisting of seventeen counties and five cities. This area represents a cross section of small scale farm and non-farm business units. The laboratory is further described as the poverty or low-income area of Virginia. Although productivity has been increased in the United States, poverty has not been eradicated in many of its areas. This persistent poverty raises certain questions of immense concern to VSC and of interest to the Agency for International Development.

This grant was made to Virginia State College in order that the College may improve its competence in Agricultural Economics and Economics so as to enhance its ability to effectively deal with the problems of low-income agricultural and rural business units. Experience gained from solving problems in the rural agricultural and business sectors will be helpful particularly

in solving similar problems in less developed countries (LDC's). The proposal for the grant was designed to include staff development, increased relevant research, international agricultural seminars, improved library resources, and the beginning of linkages with selected developing countries.

The most recent experiences of the College tend to support the long-held belief that economic planning is essential for effectively re-allocating limited resources in such a way that economic growth can be realized under financial constraints. Thus, economic planning seminars have been held during the life of this grant. From our experiences, it has also been discerned that efforts need to be devoted toward manpower development, management, and marketing techniques if the upward mobility of man is to become a reality in low-income rural areas of the United States as well as in the LDC's. With a great degree of specificity, the problems one finds apparent include:

1. failure to make long range plans using the systems approach,
2. absence of innovations at the small unit site, whether the farm or non-farm business,
3. scarcity of marketing for the present production,
4. inadequate management at the small unit site to cope with a dynamic progressive society,
5. failure to communicate or transfer knowledge of an innovative nature of managing small business units, and
6. the feeling of a systematic exclusion from society by the low-income people.

Although this grant is designed to improve the competence in the department of Economics and Agricultural Economics, a multidisciplinary staff that can focus on these problems in a somewhat comprehensive way was employed. The problems are multifacet and although the College does

not purport to solve all of them, it can participate in a meaningful way in ascertaining an understanding of the position in which the people are found and help to design a workable program to alleviate these problems.

2. Purpose of the Grant

The purpose of this grant to Virginia State College was to strengthen particularly the research function of BERD/VSC and the instructional functions of the departments involved in the interdisciplinary approach to the solutions of problems in rural development. Working in such an interdisciplinary framework on the problems of low-income farmers and farm communities provides the experience to extend our work internationally and gives the college a capacity to deal with problems of people in LDCs.

3. Objective of the Grant

A. Objectives Restated

The overall objective of the grant is to improve competence in Economics and Agricultural Economics to analyze and contribute to resolving problems of low-income farm units. The specific objectives include (a) - (i) under five categories as listed:

I. Expanded Knowledge

- (a) Expanding the staff and providing opportunities for present staff to acquire additional knowledge in agricultural, economic and rural development useful to AID and as defined in this grant.
- (b) Enabling staff to develop new materials on LDCs useful in teacher-learner situations.

II. Advisory Capacity

- (c) Providing opportunities for faculty and staff to participate in design, analysis and/or evaluation of US-AID projects in LDCs so as to increase

faculty/staff capability and the advisory consultative capacity at VSC to respond to AID and LDC requests for consultative and advisory assistance.

III. Education and Training

- (d) Strengthening formal offerings in Economics, Agricultural Economics, and closely related disciplines.
- (e) Providing workshops, seminars, short-courses and conferences to expose staff and students to problems of LDCs and to enhance their capability in the conduct of research and teaching.
- (f) Developing special competencies in students and staff through field experience, including selected underdeveloped areas of the United States and overseas, and U.S. and international institutions.

IV. Linkages and Networks

- (g) Establishing linkages and networks with U.S. institutions, international organizations, and LDCs.

V. Information Capacity and Dissemination

- (h) Improving and expanding reference center (library) holdings.
- (i) Collecting, evaluating, storing and disseminating useful, up-dated information related to agricultural economics and rural development.

To achieve these objectives which are essential for the fulfillment of the purpose of the grant, VSC has:

1. made available funds to employ VSC's staff members (who are not "core" BERD Staff) who can secure release time from their departments for research work under BERD;
2. employed additional staff and consultants to carry out certain research projects;
3. participate in an exchange program for visiting scholars (staff and students);

4. organized forms for training scholars (i.e., lectures, conferences, workshops, meetings and seminars);
5. exposed staff members to "on-the-spot" (practical) assessment of rural development activities both domestic and foreign;
6. established linkages and networks with U.S. institutions and international organizations;
7. conducted joint research projects with LDC institutions;
8. exposed graduate research assistants to rural development problems in LDCs by providing funds to support their research work in LDCs; and
9. held joint conferences on rural development with LDC institutions.

B. Review of Objectives

Virginia State College's objective to improve the competence to analyze and contribute to resolving problems of low-income farm and rural non-farm units have been met with success. The sixth year of this grant has contributed significantly toward this achievement. In its effort to mobilize a capacity of expertise that will be available to AID, LDCs, and other donors, Virginia State has utilized its resources in formulating a consortium (SECID) committed to assisting in resolving problems of small-scale farm and rural non farm units domestically and in LDCs.

Consistent with the objectives of this grant, Virginia State College has remained abreast and propitiously participated in the formulation of recommendations for policy consideration in the Title XII program (Famine Prevention and Freedom from Hunger).

The major activities during the sixth year of this grant have been summarized above under the categories of: expanded knowledge;

advisory consultative service capacity; education and training capacity; linkages and network; and information and dissemination capacity.

The accomplishments of the objectives were made possible through continued consultation with and reviews by AID/Washington officials; persistent hard work, cooperation and collaboration with staff/faculty, administration, linkage counterparts and officials and AID/Mission (Ghana); cooperation and assistance from AID/Washington's DSB/ESP, DR/Africa, and Africa Regional Bureau (East and Southern Africa). A review by objectives is presented below:

I.

- (a) No expansion of "core" staff was made, but the staff capacity for involvement in international agricultural and rural development was expanded, thus giving BERD/VSC a broader base with which to respond to requests from LDCs, AID and other donor agencies. This expansion occurred in areas consistent with VSCs capacity in rural development and AID's needs for its projects and programs in LDCs.
- (b) One member of the BERD/VSC "core staff was assigned to the VSC/UST linkage program to replace returning staff members. During the reporting period a total of fourteen (14) person-months of BERD/VSC "core" staff members were assigned to Ghana; and a total of 6 person-months of BERD/VSC "core" staff members were utilized by US-AID in LDCs and on LDC related activities. These opportunities in LDCs and information obtained through the information and dissemination system provided materials to BERD/VSC staff members on LDCs that were useful academically for teacher and students alike.

II.

- (c) Opportunities for faculty/staff to participate in design, analysis and evaluation of US-AID projects in LDCs were limited. Of the 13-16 person-months made available by BERD/VSC, only 6 person-months were utilized by AID. The assumption that AID would

identify opportunities and assist BERD/VSC to secure participation was only partially correct. BERD/VSC staff members took advantage of USAID workshop seminar on project preparation, design, etc.

III.

- (d) BERD/VSC staff/faculty members continued to offer formal courses in the departments of Economics and Agricultural Economics that are of relevance to AIL. Two graduate courses in Agricultural Economics were submitted for approval (pending). Four courses were taught by the BERD/VSC "core" staff in Economics. Two courses and a number of formal lectures were taught by a "core" BERD staff in LDCs (Ghana).
- (e) Several formal and informal seminars, workshops and short courses were offered to VSC staff/faculty and students by BERD/VSC staff members. These focused on international agricultural and rural development in LDCs. A French language seminar for BERD/VSC staff to develop capability for participating in AID activities requiring French was offered by a BERD "core" staff.
- (f) Students associated with the rural development program this year experienced direct contact with selected low-income rural areas in the United States and Ghana, interviews with agencies focusing on rural development problems in both the United States and overseas. In an effort to develop special competencies in its faculty and staff, BERD provided opportunities for those associated with the US-AID program to attend professional meetings with a commonality of purposes.

IV.

- (g) Linkage activities in Ghana were extended under the extension program to include more extensive field projects and greater student involvement. Three student research assistants conducted their thesis research in Ghana under joint VSC/UST staff supervision. BERD/VSC staff in Ghana established important linkages with personnel of various ministries of the government. Closer linkage for consultation and communication was established with USAID/Ghana, as well as USAID/Upper Volta and USAID/Kenya. New linkages with U.S. institutions were established, and old ones were strengthened.

V.

- (h) Efforts were continued to expand the Reference Center (Library) holdings. The holdings now exceed 6000 books, journals, periodicals, etc. A librarian was utilized on a part-time basis to catalog and prepare all items for utilization by the staff and other users of the College.

A resource staff employed the previous year worked with the librarian to assure the availability of information needed by researchers in the BERD. This person has organized the reference center into an effective resource unit for BERD/VSC staff/faculty.

Monographs and research materials were disseminated to other institutions with 211d grants, AID officials, and agencies in the state with an interest in rural development. Working papers and newsletters were similarly disseminated during this reporting period.

C. Review of Critical Assumptions

Unlike the original grant, critical assumptions were lucidly stated in the extension grant program. The most important were:

Regional bureaus will identify opportunities to utilize VSC's staff capacity and expertise.

2. US-AID support to VSC's commitment to international development work continues to exist during and beyond the life of the grant.
3. There is still a need for the competence and expertise being developed at VSC.
4. Faculty/staff and administration at VSC remain committed to and interested in working collaboratively on LDC problems.
5. LDCs, US-AID and other donors will request utilization of VSC's staff.

With respect to the first assumption despite persistent documented requests, very little assistance was obtained from regional bureaus to identify opportunities for BERD/VSC. Out of 13-16 person-months allocated by BERD/VSC, only 1.5 person-months were utilized as a result of regional bureau's effort (East and Southern Africa - Sheldon Coles).

The second assumption has only been partially correct. The support received from US-AID has been from DSB/ESP only. AID needs to give stronger support to VSC's commitment.

The third assumption holds, and despite evidence of greater need for the kind and type of capacity being developed at VSC, AID has not made use of the available resources at VSC.

The faculty staff of BERD/VSC remains committed to and interested in working on LDC problems. The administration, however, has not enforced in practice its verbal and written commitment to date. The security of the capacity developed at VSC could be in danger if the administration does not take action to bring "core" BERD/VSC staff/faculty into the tenure stream of the College.

The last assumption did not hold true during this reporting period, except for utilization under the VSC/UST linkage program.

It is quite apparent that if the grant extension program at VSC is to fulfill all its objectives then AID will need to assist VSC in acquiring opportunities for more frequent utilization of its expertise in LDCs.

II. ACCOMPLISHMENTS

Consistent with the objectives (above), the accomplishments for this reporting period (FY 1978) are outlined below.

- A. Objective/Output #(a): Expanding the staff and providing opportunities for present staff to acquire additional knowledge in agricultural, economic and rural development useful to AID and as defined in this grant.

Professional and Support Staff

The "core" professional staff of BERD was maintained at six persons (five and one-fourth full-time equivalent) during this reporting period. The six "core" staff members are: H. J. Battle (Director); Charles D. Whyte (Assistant Director); Michael S. Joshua (Research Associate in residence at UST, Ghana); Emmanuel T. Acquah (Assistant Research Associate); Franklin C. Moore (Assistant Research Associate); and Janet C. Tuthill (Assistant Research Associate). (See appendix 1 - BERD staff).

In addition to the "core" professional staff, BERD again employed VSC faculty members from three departments on a part-time basis with continuing affiliation. They are Frederick Lesnett (Department of Sociology); Samuel Moak (Department of Business

Administration); and Donald Chipley (Department of Education) Continuing affiliation of these part-time faculty members means that they are employed full-time during the summer and they continue to participate in the activities of BERD during the remainder of the year--completing their research projects, attending meetings, participating in seminars, etc. They are full-time faculty members of their respective departments.

BERD also maintained collaborative/cooperative working relationship with staff members of the Departments Economics and Agriculture. For example, William Richie (Economics) is alternate representative to Huey Battle of SECID for VSC. Several other VSC faculty members (see pp 5-6) have now become associated with the international agricultural and rural development activities of BERD/VSC; and BERD/VSC has access to other interested faculty members as well.

Part-time BERD Associate Staff

Frederick Lesnett, an Assistant Professor of Sociology at VSC since 1975, is the principal investigator of a BERD research project entitled: "Factors Affecting the Labor Supply and the Earnings of Heads of Households in South Central Virginia". This project has been continued from the previous reporting period (FY 1977). Lesnett has concentrated his research in the area of Manpower. He has completed the project and is now preparing a proposal for a research project on the utilization of health services by rural and urban residents. Samuel Moak, a Professor of Marketing and Management in the Department of Business Administration at Virginia State College since 1974, is the principal

investigator of three projects: (1) "Manufacturing and Services in South Central Virginia;" (2) "Agriculture in South Central Virginia;" and (3) "Marketing Organization and Activities by County in South Central Virginia." All three projects are being prepared in the final draft for monographs. Moak has been associated with BERD for the past four years; and his research work has been concentrated in the areas of Marketing and Management.

Donald Chipley joined BERD during last reporting period and is the principal investigator of the project entitled: "Manpower Supply and Demand in South Central Virginia: A Targeted Area Information System for Facilitating Program Development, Educator Guidance, and Client Career Selection." This project focuses on developing an information system for educational planners, implementers and consumers of human resources, with a methodology which could be useful in LDCs. Chipley's departure for new employment in Australia (1/1/78) leaves the project's completion uncertain.

Research Assistants and Support Staff

During this reporting period, three research assistants (Ahene, Gyekye and Harmon) were supported with grant funds (July - August, 1977); and six new research assistants were recruited (Andoh, Gyawu and Ohene-Darko of Ghana under the UST/VSC linkage program; and Graham, Dagher and Moghalu normal recruits) to enroll in the masters program in Economics. The Ghanaians began their assistantships in August 1977 by assisting the research staff in the linkage research program and developing their thesis research in Ghana before enrolling at VSC in January, 1978. The

others began their assistantships in September, 1977. In addition to these BERD, under its related program SEA/CR, recruited four research assistants for a total of ten in its education and training category of its 211(d) program.

The research assistants Ahene and Harmon completed their master's theses and received their master's degree in (May) 1978. Ahene is collaborating with Joshua (Research Associate) in preparing a monograph from his thesis--"Farm Organization and Input Utilization: A Case Study of Rice Production in Northern Ghana;" while Harmon's thesis "Food Marketing, Transportation and Small Farm Production in Ghana" will be used in developing a working paper. Gyekye's work during this reporting period included: a monograph co-authored with Acquah and Whyte; a professional paper to be presented at the Southern Economic Association meetings (October, 1978, Washington D. C.) by Gyekye and Whyte; two documents being prepared for publication in which he is co-author with Acquah (Research Associate).

The current six research assistants being supported directly with 211(d) grant funds are expected to complete their research and masters degree by May, 1979. It is expected that each will complete a masters thesis and an accompanying monograph from their research in BERD. It is also expected that US-AID will assist in identifying career opportunities and in making appropriate contacts within the agency for eligible research assistants.

The support staff members remained at one and one-half person-year equivalent (3 persons) They are J. Spencer (Administrative Assistant of BERD); M.P. Glass (Secretary); B. Glass (SEA/CR

Secretary); and C. Leatherman (part-time Librarian).

Opportunities for Acquiring Additional Competency

With the use of grant funds, Emmanuel Acquah replaced Michael Joshua as research associate assigned to Kumasi, Ghana under the UST/VSC linkage program. His activities included: teaching, research and other linkage activities (i.e., supervising graduate student research assistants projects, liaison with AID/Ghana and GOG). Acquah has been assigned for up to 18 months and has, in this reporting period obtained valuable experience and knowledge in project design, analysis and implementation.

Whyte and Acquah worked collaboratively and cooperatively with Ghanaian professionals in project identification and design during this reporting period. Whyte gained additional knowledge in project design and evaluation of the research activities in Ghana under the linkage program, and the research activities of USAID/Kenya during six weeks of advisory consultative services (5 in Kenya and one in Ghana). Tuthill was project design officer in Upper Volta for USAID through SECID where she had six weeks experience in project design.

Joshua took advantage of the US-AID design and evaluation seminar during this reporting period. Tuthill designed and conducted a ten weeks intensive French language seminar for BERD staff and interested VSC faculty. Approximately six persons gained knowledge of the language to improve their capability by one or two levels--between S_1 , R_1 and S_3 , R_3 (AID foreign language rating).

Whyte presented one professional paper at the American Agricultural Economics Association, San Diego, California August, 1977 entitled: "Restraints to Economic Development of Blacks in Agriculture." Battle, Joshua and Whyte attended the American Economic Association meetings in New York, December, 1977; and Battle chaired the session on: Development, Planning and Growth. Joshua presented a paper--"Industrialization and Take-off in LDCs: Case Study of Jamaica"-- at the Southern Regional Science Association meetings, Richmond, Va., March, 1978. Lesnett presented a paper--"An Analysis of Socio-Economic Factors Affecting the Hourly Earnings and Weekly Labor Supply of Household Heads"--at the Virginia Economic Association meetings, Hot Springs, Va., April, 1978; and Battle served as chairman of the session: Virginia Economic Issues. Whyte served as consultant to AID (DSB/ESP) in evaluating the international agricultural and rural development capacity at 1890 Land Grant Institutions and Tuskegee Institute. Battle served as International Affairs Coordinator of VSC, representative to the BIFAD and trustee of the College to SECID.

Frequent visits with AID/Washington personnel and consultations with them have been made by Battle and Whyte to encourage utilization by AID of the capacity developed at VSC. These were accompanied with written documents concerning VSC's capacity and the capability of its staff/faculty. Despite these efforts, only about 6 person-months (out of the allocated 12-16 person-months) were utilized by AID.

Research Activities (International and Domestic)

During this reporting period the following research projects were either completed or in progress.

LDC Related Domestic Projects

1. Manpower/Resources - Human Resource in South Central Virginia.
 - (a) "A Targeted Area Information System for Facilitating Program Development, Educator Guidance, and Client Career Selection: Supply and Demand" (Chipley) - status uncertain with the departure of Chipley 1/1/78.
 - (b) "An Assessment of Human Resources and Development of Small Farms in South Central Virginia" (Acquah/Gyekye) monograph - completed.
 - (c) "Occupational Mobility of Rural Labor", (Acquah) - in progress.
 - (d) "Labor Turn-over in Small Industries in South Central Virginia" (Acquah) - in progress.
 - (e) "A Comparative Socioeconomic Profile of South Central Virginia" (Lesnett) - monograph at printing.
 - (f) "Factors Affecting the Labor Supply and the Earnings of Heads of Households in South Central Virginia" (Lesnett) - monograph forthcoming
2. Management - Resource allocation in South Central Virginia
 - (a) "Agricultural Resources and Development of Small Farms in South Central Virginia" (Moak/Whyte_ - monograph at printers*
 - (b) "Inventory of Natural Resources in South Central Virginia" (Acquah) - monograph at printers*
3. Marketing - Organization, structure, conduct and performance
 - (a) "The Small Farmer and Agricultural Marketing in South Central Virginia" (Moore) - working paper completed.

*Delays experienced in printing monograph publications during reporting period.

- (b) "Marketing Organization and Activities by County in South Central Virginia" (Moak) - in progress.
 - (c) "Marketing of Livestock in South Central Virginia (De, Joshua, Whyte) - in progress.
 - (d) "An Assessment of Local Market Systems for Swine Production in South Central Virginia (Jackson) - master's thesis in progress.
4. Production - Agricultural and non-agricultural: small business units
- (a) "Value of Farm-wives' Time in Agricultural Production: A Case Study of South Central Virginia" (Acquah) - in progress.
 - (b) "Manufacturing and Service in South Central Virginia" (Moak/Whyte) - monograph at printers*
 - (c) "Production of Livestock in South Central Virginia: Alternatives for Small Farmers" (De, Joshua, Whyte) - in progress.
5. Health Services - "Utilization of Health Services by Rural and Urban Residents of South Central Virginia" (Lesnett) - in progress.
6. Credit - "Credit to Small Farmers in Selected Counties of South Central Virginia: A Performance Analysis of Farmers Home Administration" (Dagher) - master's thesis in progress.

International (LDC) Projects

1. Credit - Credit programs and policy related to small farm and non-farm businesses.
- (a) "An Evaluation of Institutional Credit and its Role in the Agricultural Development of Ghana" (Gyekye, Acquah, Whyte) - monograph completed 1978.
 - (b) "Enterprise Combination and Capital Requirements in Northern Ghanaian Agriculture: A Case Study of the Kumbungu Area" (Joshua, Anim Appiah) - in progress.
 - (c) "The Role of Credit in the Adoption of Appropriate Technology: A Case of Small Scale Rice Farmers in Northern Ghana" (Moghalu) - master's thesis in progress.
2. Management - Resource allocation and practices
- "Farm Organization and Input Utilization: A Case Study of Rice Production in Northern Ghana" (Ahene) - master's thesis completed 1978.

3. Production - Resource allocation

- (a) "Production of Agricultural Implements for use in Rice Production, Harvesting and Processing: Socioeconomic Aspects" (Joshua) - in progress.
- (b) "Supply Responses of Cotton Farmers in Ghana: A Case Study of the Northern Region" (Ohene-Darko) - master's thesis in progress.
- (c) "Economic Viability of Small Scale Farms in the Ashanti Forest Zone: A Case Study of Koniyaw" (Andoh) - master's thesis in progress.
- (d) "Customary Land Practices in Relation to Agricultural Production in Ghana: A Case Study of the Kumbungu Area" (Gyawu) - master's thesis in progress.
- (e) "Economic Viability of Small Scale Farms in the Ashanti Forest Zone." [Acquah, (Opoko-Debrah/UST)] - in progress.
- (f) "Customary Land Practices in Relation to Agricultural Production in Ghana" [Acquah (Acquaye/UST)] - in progress.

4. Marketing - Food marketing and transportation

- (a) "The Political Economy of Food Marketing in Ghana: 1972-1976" (Moore) - Ph.D. dissertation expected 1978 but uncertain due to Moore's departure 6/1/78.
- (b) "Transportation Problems and the Marketing of Food Crops for Small Farmers in Ghana: A Case Study of the Atehubu District" (Harmon) - master's thesis completed 1978.

During this reporting period VSC's (BERD) research focus made a more pronounced shift to international (LDC) research. In the previous period (FY 1977) there were only eight research projects on LDC problems. During this period the projects have increased to twelve--five of which are new projects (one was completed in the previous reporting period). During this period four research staff members, (three student research assistants and one research associate staff) conducted their research projects abroad (in Ghana). They were: Acquah (staff); Andoh,

Ohene-Darko, and Gyawu (students). Three LDC research staff/faculty members collaborated with BERD staff members in research abroad (Ghana).

Domestic projects were continued during this reporting period with a view of telescoping the experiences and methodologies to solution of similar problems abroad. Many of the domestic projects were being continued from the previous period. There are two with uncertain statuses due to the loss of the staff (Moore to Peace Corps/Ghana; and Chipley to position in Australia). Four projects on the uncertain status list from prior period have not changed status this period (Walker, Hudgins, Bates and Foreman - former research assistants).

Expenditure for Professional Staff

Accumulated expenditure for additional staff members from grant award to the end of this reporting period is approximately \$395,320.85. The amount spent during this reporting period was more than the previous period due to funds secured to pay two part-time research associates. Total expenditure for professional staff (five and one-fourth person-year equivalent) during this reporting period amounted to \$140,710.55 of which \$34,000 was supporting expenditure by Virginia State College. The expenditure for support staff amounted to \$8,784.00.

- B. Objective/Output # (b): Enabling staff to develop new materials on LDCs useful to teacher-learner situations.

The BERD staff with teaching assignments in Economics and Agricultural Economics continued to develop new materials on LDCs

useful in such courses as: Economics of Underdeveloped Areas, International Trade, Economics of Inequality, Manpower Economics (graduate Economics); Economic Development (undergraduate Economics); and Agricultural Prices and Price Making and Farm Management (graduate Agricultural Economics).

During this reporting period, with Joshua as seminar coordinator, the BERD staff conducted a series of seminars on: "Problems of Rural Development in LDCs;" and "Food and National Development in Ghana." These seminars were designed to offer an awareness of the development problems of LDCs to the college community. Joshua and Moore were seminar lecturers and their presentation reflected their experiences in Ghana and other LDCs. Several "in-house BERD working seminars were held for sharing views on agricultural and rural development research activities and for giving the graduate students opportunities to participate.

Under the direction of the BERD resource staff member (Tuthill), information and materials useful in teacher-learner situations have been acquired by BERD through its reference center [see: Objective (h) and (i) below] to enable the professional staff to develop new materials on LDCs during this reporting period. The resource staff member makes available information and materials acquired through linkages and networks with U.S. institutions, LDCs and international institutions, and these have proved useful in enhancing the academic training of students in Economics and Agricultural Economics. Academic staff and faculty members from such departments as Economics, Agriculture, Sociology, Education, Business Administration, and History have utilized the information and

materials acquired by BERD in their classes to enhance their teaching effectiveness.

The costs of information and materials (resources) for fulfilling this objective are estimated at \$2,000, including acquisition costs of new materials, subscriptions and labor (of a part-time librarian).

- C. Objective/Output #(c): Providing opportunities for faculty and staff to participate in design, analysis and/or evaluation of US-AID projects in LDCs so as to increase faculty-staff capability and the advisory/consultative capacity at VSC to respond to AID and AID requests for consultative and advisory assistance.

During this reporting period, 6 of the 12 - 16 person-months allocated by BERD/VSC for consultative/advisory services were utilized by AID. This amount of utilization was far less than anticipated since BERD/VSC had made serious attempts by submitting proposals to AID (DRB) for utilization.

With the support ESP/DSB/AID and DRB/AFRI/AID, one BERD/VSC staff member, Whyte, obtained valuable experiences in evaluating 1890 colleges and universities for greater involvement in AID's projects and programs. He assessed their interest, capacity and capability for international agricultural and rural development involvement. He also provided consultative/advisory services as a member of a four man evaluation/design team for a USAID food crops research project in Kenya (April 3 - May 8, 1978). Under SECID, Tuthill provided consultative/advisory services as design officer for AID of a project--"Agricultural Human Resource Develop-

ment"--in Upper Volta (Nov. - Dec., 1977).

BERD/VSC provided opportunities for its "core" staff/faculty to participate in project design, analysis and evaluation. Project design was conducted by Whyte and Acquah in collaboration with UST staff/faculty members in Ghana; project analysis was carried out in Ghana by Acquah in collaboration with UST staff/faculty members; and project evaluation was carried out by Whyte in Ghana. These activities were supported through funds made available by VSC under its 211(d) program.

The total expenditure for the activities under objective/output #c during this reporting period is estimated at \$850.00, including expenses in Ghana, and travel to AID/Washington, D.C.

- D. Objective/Output #(d): Strengthening formal offerings in Economics, Agricultural Economics and closely related disciplines.

No revision was made in the curricula of Economic, Agricultural Economics or related disciplines during this reporting period. However, the Agricultural Economics course: Agri. Econ. 440--Farm Management, and Agri. Econ. 441--Prices and Price Making were offered for the second time as an elective for graduate students in the Economics' graduate program. The courses were taught by a member of the BERD staff (Mr. Moore).

Concerning the proposal for adding two courses to the Agricultural Economics curriculum, action has been held up in the Curriculum Committee pending directions from the Administration as the College prepares to implement new programs following the recent HEW/Virginia Agreement for Integration. Should the College succeed in recapturing its agricultural programs lost to

VPI, then a revitalized department of agriculture with its own master's program is likely.

During this reporting period, BERD staff members continued to share their research findings with students, staff and faculty through formal courses, and seminars. Staff members taught formal courses in Economics and Agricultural Economics [Battle 3 hours; Whyte 6 hours; Acquah 6 hours at UST/Ghana; Moore 6 hours and Joshua 3 hours.

BERD/VSC intensified its training capacity by adding (to its regular working seminars, conferences and short courses) an intensive French course for staff and faculty at VSC, conducted by Tuthill February - May, 1978--six persons (four from the BERD staff) out of an initial ten completed the course. Interest in continuing the training has led to a weekly conversation course for four of the six persons.

BERD, under the chairmanship of Joshua had a series of BERD working seminars and a series of two college seminars. The college seminars were devoted to discussions on Ghana's development and included:

- (1) Food and National Development in Ghana (Moore/Joshua),
- (2) Problems of Rural Development in LDCs--Case of Ghana (Moore/Joshua).

The working seminars included:

- (1) Computer Capability at VSC
(Frederick Lesnett, fall 1977-78)
- (2) Industrialization and Take-off in LDC:
Case of Jamaica
(M.S. Joshua, fall 1977-78)

- (3) Project Design and Evaluation in LDCs - The Upper Volta Human Resource Development Project (J. Tuthill, fall 1977-78).
- (4) Determinants of Hourly Earnings Among Black and White Males and Females: A Study of South Central Virginia (Lesnett, spring 1978).
- (5) A series of seminars on Agriculture and Economic Development in Ghana was given by Franklin Moore (spring 1978).
 - (a) Socioeconomic Background to Current Economic Development;
 - (b) Internal Traditional Marketing Arrangement;
 - (c) The Role of the State Corporation in the Socioeconomic Development of Ghana; and
 - (d) Role of Agricultural Marketing in Ghana 1972-78.
- (6) Project Design and Evaluation in LDCs - Food Crops Research Project in Kenya (Whyte, spring 1978).

The objectives of these seminars were to: disseminate findings of applied research conducted in BERD; discuss conceptual and empirical issues which evolved from the research projects; to expose the graduate students to preparation and presentation of papers in a professional manner; and to create a greater awareness of international agricultural and rural development at VSC.

Expenditure during this reporting period for activities in objective/output # (d) is estimated at \$18,500.00, including \$18,000.00 for instruction in the various departments (12 person-months equivalent), and \$500.00 for the cost of the seminar.

- E. Objective/Output # (e): Providing workshops, seminars, short-courses and conferences to expose staff and students to problems of LDCs and to enhance their capability in the conduct of research and teaching.

This objective/output was partially discussed under objectives/outputs # (b) and # (d) above. No workshops nor conferences

were held during this reporting period; but the seminar series discussed above, and in particular the college series, were designed to capture a wide cross-section of the VSC audience. The "working" seminars were limited to the disciplines of Economics, Agricultural Economics, Sociology, Business Administration, Agricultural Sciences and Extension. A number of informal training courses for graduate student research assistants were conducted during this reporting period. Staff participating were Joshua, Moore, Tuthill, Whyte, and Acquah (at UST in Ghana).

The total expenditure for the seminars and short courses during this reporting period is estimated at \$2000.00 with the largest expenditure being the cost of BERD/VSC's staff time (about one person-month).

- F. Objective/Output #(f): Developing special competencies in students and staff members through field experience, including selected underdeveloped areas of the United States and overseas; and U.S. and international institutions.

BERD's "core" staff, including research assistants, and VSC's staff associated with BERD have had training and field experience in the conduct of their research work during this reporting period. All research assistants have had to conduct surveys and interviews in the field for primary data in developing their thesis research. The three Ghanaian research assistants (Andoh, Gyawu and Ohene-Darko) received valuable training in the conduct of their thesis research work in Ghana. Their research projects were supervised jointly by Acquaye and Opalu-Debrah of UST staff/faculty and Acquah of BERD/VSC.

BERD research associates, working on domestic research projects in South Central Virginia developed special competence in the conduct of research through field experiences. Notably are: Moore, Chipley, Lesnett and Moak (see: Objective/Output (a)--Research Activities). Assisting them were student research assistants who themselves developed special competences.

The BERD staff members have had the opportunity to attend professional meetings and conferences on both the local and the national levels for their professional development. Joshua, Lesnett and Whyte presented papers at professional meetings, while Battle served as session chairman at several meetings-- to gain professional experience and expertise in Economics and Agricultural Economics.

Expenditure during this reporting period for the development of such competency is estimated at \$10,000.00 of which about 30 percent was funded by Virginia State College in the form of transportation (costs). The major expenditures were in transportation, remuneration and costs of surveys (data collection).

G. Objective/Output # (g): Graduate Student Research Assistants

During this reporting period BERD supported a total of thirteen (13) graduate student research assistants partially or fully as follows:

1. Ahene	(AID)	June - Aug.	1977
2. Harmon	(AID)	June - Aug.	1977
3. Gyekye	(AID)	June - Aug.	1977
4. Dagher	(AID)	Sept., 1977	present
5. Graham	(AID)	Sept., 1977	present
6. Moghalu	(AID)	Sept., 1977	present

7.	Andoh	(AID)	Aug., 1977	present
8.	Gyawu	(AID)	Aug., 1977	present
9.	Ohene-Darko	(AID)	Aug., 1977	present
10.	Cooper	(SEA/CR)	Jan., 1978	present
11.	Jackson	(SEA/CR)	Jan., 1978	present
12.	Sage-El	(SEA/CR)	Jan., 1978	present
13.	Zaki	(SEA/CR)	Nov., 1977	present

of these, the first three have completed their master's degree. Two of these Ahene and Gyekye are pursuing the Ph.D. Degree in Agricultural Economics at University of Wisconsin and Ohio State, respectively. Harmon is employed with a private firm in Washington, D. C., after having been unsuccessful finding a position with the Agency. Of the others, Dagher, Graham and Jackson have been recommended for consideration in the Agency's educational training programs (through DSB/ESP Africa and Near East Bureaus). All research assistants under AID funding are expected to complete their degree and research work by April, 1979.

The education/training program of BERD under AID's support has been quite thorough with a diversity of U.S. and foreign students. It is hoped that the Agency will be more sensitive and responsive to the effort of BERD/VSC to develop capable minorities to fit into its projects and programs. Although serious efforts to place BERD/VSC graduates in the Agency, none has been successful to date.

The support of the research assistants includes: stipend (about \$3600/yr, each); tuition (about \$1,600/yr. each); the cost of their research for the master's thesis (about \$800 each); and the cost of training, including attending professional seminars, meetings and conferences (about \$400 each). Total expenditure on research assistants under AID support during this reporting period is approximately \$42,000.00

H. Objective/Output # (h): Establishing linkages and networks with U.S. institutions, international organizations and LDCs.

During this reporting period, BERD/VSC strengthened its rural development linkage program with the University of Science and Technology in Kumasi, Ghana. It replaced its staff in residence at UST (Joshua) with Emmanuel Acquah to continue the collaborative/cooperative activities under the linkage program. These activities have been developed and are being implemented in accordance with the grant extension program which includes the student exchange component (aspect) of the linkage program, research, teaching, advisory/consultative services and new project design.

BERD/VSC also made arrangements to complete the staff exchange component of its VSC/UST linkage program by working out details for two UST staff members (Acquaye and Anim Appiah) to be in residence at VSC as guest researcher/lecturer. Their activities which begin in July, 1978 will include collaborative research with BERD staff; seminars; advising of students (Ghanaians) research projects; and other activities as directed by the BERD administration. Also with BERD/VSC's assistance the University of Science and Technology completed the formation of its Bureau of Integrated Rural Development (BIRD) with which BERD has begun to collaborate in designing new projects and proposals for US-AID/Ghana support.

BERD staff members--Battle, Whyte, and Tutthill made valuable contacts with LDCs and explored linkages with them during this reporting period. These included: Upper Volta, Kenya and Nigeria.

Discussions with Liberia (university officials) were postponed at their request pending the formation of an organization with which BERD/VSC would form a linkage. Liberia remains high on BERD/VSC's list as a country in which to establish a formal linkage program.

BERD/VSC maintained membership with SECID, The International Peanut Research and Training Program, and linkages with other research organizations, colleges and universities and international institutions and organizations. Its interactions and relations with these organizations were quite productive and of mutual benefit during this reporting period.

Expenditure for fulfilling this objective during this reporting period is estimated at about \$3,000, including about \$2,500 for international travel and expenses (per diem, allowances, etc); and \$500 for domestic activities pertaining to the objective.

I.-J. Objectives/Outputs # (i,j): Improving and expanding reference center holdings (information capacity and dissemination); and collecting, evaluating and disseminating useful, updated information related to Agricultural Economics and Rural Development.

During this reporting period, BERD improved and expanded its reference center holdings through acquisitions of journals, periodicals, books and reading materials. Particular attention was focused on the acquisition of materials and information on LDCs. The activities (work) of a resource person (Tuthill) enabled BERD to maintain and establish linkages and networks with LDC institutions, U.S. institutions and international organizations; and to search and inventory Africa, LDC records and files, and U.S. institutions for data and information on agricultural, economics rural development.

BERD disseminated information about its research through its BERD's EYEVIEW publication which is published on a quarterly basis. Its research findings, published in monographs and working papers were disseminated to institutions and organizations in its linkages and networks and to people (consumers) in the various research areas. The BERD staff members also presented professional papers at meetings, conferences and seminars; and the graduate student research assistants prepared theses on their research work and these have been made available for dissemination.

Total expenditure for the reference center and activities under these objectives/outputs is estimated at \$2,500. Of this amount, approximately \$800.00 were for part-time librarian services. This objective was also supported with supplemental funds from the College.

III. IMPACT OF GRANT SUPPORTED ACTIVITIES IN ACHIEVING GRANT PURPOSE

The activities of the Bureau of Economic Research and Development continue to impact positively on the South Central Virginia study area, the Commonwealth of Virginia and parts of West Africa (Ghana in particular). The impact of the grant supported activities are summarized below.

Expanded Knowledge

Staff members of the Bureau of Economic Research and Development have acquired expanded knowledge and expertise concerning solution to problems of rural development, domestically and in LDCs. The capacity of VSC, through its BERD, to identify, evaluate, and analyze LDC research projects and implement the results of such projects has increased significantly with approximately 18 person-months of professional staff time spent on research projects and other rural development

activities in LDCs. During this reporting period, three "core" BERD professional staff members (Acquah, Tuthill, and Whyte) have been exposed to activities in LDCs. Faculty members at VSC, who are associated with grant supported activities in BERD, have been exposed to rural development problems in domestic areas having similar characteristics to those in LDCs with a view of telescoping the methodologies to LDCs for solution of problems. BERD/VSC staff members have also acquired knowledge about and materials on LDCs that are useful in teacher-learner situations, through classroom lectures, seminars, conferences, research, and collaboration/cooperation with LDC professionals.

Advisory Capacity

The BERD staff members which are directly responsible for carrying out the grant supported activities, and other VSC staff/faculty members associated with the grant supported activities have been given more support by AID for participating in consultative/advisory activities than in previous reporting periods. Of the 12-16 person-months made available by BERD/VSC for AID utilization, six person-months were utilized during this reporting period by ESP/DSB, DR/AFRI, and indirectly through SECTD. Two staff members participated in AID activities in LDCs (Whyte in Kenya, and Tuthill in Upper Volta).

BERD staff members served in consultative/advisory capacities under the VSC linkage program with UST, Ghana. The utilization of this capacity by LDCs was in the form of planning rural development programs, designing research project proposals, and evaluating projects and programs.

Education and Training

BERD and its staff members supported and/or supervised thirteen graduate student research assistants in research and development activities during this reporting period. Research proposals, questionnaires and survey materials were developed by the students and supervised by the BERD staff. Research projects were completed and theses written by the graduate students (Ahene and Harmon) and supervised by the BERD staff (Battle, Joshua, Acquah, Tuthill, Moore, Whyte). Working papers were prepared jointly by the students and the professional research staff. Formal and informal seminars were conducted by the BERD staff on such topics as research methodologies, theses writing, interviewing techniques, data collection and analysis, and interpretation of results.

The graduate students directly involved in the BERD activities as well as those enrolled in the Department of Economics benefitted significantly from their association with BERD/VSC staff and faculty members, and from the 18 semester hours of courses taught in Economics and Agricultural Economics during this reporting period by the BERD research staff (Battle, Joshua, Moore and Whyte).

BERD was instrumental in assisting the Department of Economics in its recruiting of graduate students. During this reporting period, the number of graduate student research assistants supported by BERD constituted approximately 6 percent of the full-time graduate students in Economics. Moreover, BERD research constitutes an integral part of the Economics Department's research focus for graduate students, with about 60 percent of the masters' thesis completed during this reporting period being from BERD supported projects.

Financial assistance to students supported by BERD in the form of stipend, tuition and research funds amounted to approximately \$31,858.00 during this reporting period. BERD staff time devoted to teaching in academic departments is estimated at a cost of \$15,000. This represents the cost of about 8 person-months of BERD staff time. Ancillary benefits to students and academic departments include BERD staff time devoted to department meetings and the advising of undergraduate and graduate students. Approximately 4 person-months were devoted to these during this reporting period.

Linkages and Networks

The 18 person-months of BERD staff in LDCs (Ghana) strengthened and expanded the VSC linkage program with Ghana with benefit accruing to: the staff members (Acquah, Whyte) in the form of expanded knowledge; the LDC institutions and their staff, faculty, and students in the form of expanded knowledge, education and advisory service; the College (VSC) itself in the form of expanded capacity; and AID in the form of advisory/consultative service availability.

Maintaining and establishing of linkages and networks with U.S. institutions (i.e., SECID) and with national and international organizations have helped in strengthening the capacity of VSC and the capability of its staff/faculty members through the sharing of information, collaboration and cooperation with professional staff of LDCs, AID, U.S. institutions and international organizations.

Information Capacity and Information

Grant supported activities in this category have enhanced the capacity of VSC and the capability of the VSC/BERD staff members in the design, analysis and evaluation of AID and LDC projects. The

updated reference center and resources in it were useful in the search and inventory of Africa, international centers, LDC and U.S. institutions for data and information on agricultural economics and rural development. The resources of the reference center served to facilitate academic as well as research work at VSC by the various schools and departments. The collection and dissemination of research publications and documents have helped to broaden the scope of research activities at VSC, to open lines of communication with research centers and institutions, and to provide a means for collaborative and cooperative arrangements with professionals in the areas of rural, agriculture, and economic development.

IV. OTHER RESOURCES FOR GRANT-RELATED ACTIVITIES

BERD utilized \$60,000 of state-supported funds to support grant related activities. This fund was used to support salaries, research activities, and travel that were domestic in nature. All overhead cost was paid from resources other than 211(d) funds. This cost included housing, vehicle for transportation, communications and publication. Efforts continued during this reporting period to secure additional resources for grant-related activities. During this reporting period a SEA/CR (USDA) project was funded in the amount of \$240,000 with Whyte as Principal Investigator; and a DOT project in the amount of \$71,000 was also funded with Battle and Joshua as co-principal investigators, but will have an effective starting date during the next reporting. Both funds support activities that will further develop VSC's capacity in rural development.

V. UTILIZATION OF INSTITUTIONAL RESPONSE CAPABILITIES IN DEVELOPMENT PROGRAMS

A. Request for services and technical assistance from US-AID during this reporting improved over last period. Six person-months of the 12 16 made available by BERD/VSC for utilization were utilized in Kenya (Whyte), Upper Volta (Tuthill) and in the U.S. (Whyte). DSB/ESP and DR/Africa were the two major users. BERD also requests for information, data technical and advisory assistance to the following departments, school and organizations:

1. Department of Agriculture (VSC)
2. Department of Economics (VSC)
3. Department of Business Administration (VSC)
4. Department of Sociology (VSC)
5. School of Humanities and Social Sciences (VSC)
6. School of Business Administration (VSC)
7. School of Science and Technology (UST)
8. Crater Planning District Commission of Virginia, Petersburg (VA)
9. State Office of Minority Business Enterprise (VSC)
10. Office of the Governor of Virginia (VA)
11. Cooperative State Research Service (VSC)
12. Cooperative Extension Service (VSC)
13. Office of the President (VSC)

Requests for consultative/advisory services from LDCs increased this period over the previous period. BERD staff members have responded to requests for consultative/advisory service from: The University of Science and Technology (UST) in Kumasi, Ghana; the Government of Ghana (Ministry of Economic Planning). Acquah and Whyte have been the major sources of

providing these services.

Requests by U.S. organizations for professional papers and for participation in professional meetings and conferences remained high during this reporting period. BERD staff members responded to requests for professional papers, discussants and chairpersons for professional meetings, workshops and conferences. BERD staff members actively participated in the activities of organizations such as: The National Economic Association; The American Economic Association; The American Agricultural Economics Association; The Southern Regional Science Association; The Chicago Economic Development Corporation; Southern Rural Development Centers; Small Farm Functional Network; The South East Consortium for International Development; The International Peanut Research and Training Program; and The Title XII Program.

B. The number of graduate students from LDCs who are enrolled at Virginia State College increased during this reporting period from 20 to 28. They are reported as follows.

16 Nigeria	3 Ethiopia
1 Hong Kong	1 Jordan
2 Liberia	3 Ghana
1 Indonesia	1 Thailand

Of these, three (from Ghana) were supported under the grant program; and one (from Jordan) was supported under another BERD program (SEA/CR).

The number of visitors and/or on-campus consultants at VSC during this reporting period is estimated to be sixty persons. Of these at least twenty off-campus persons consulted and/or visited with BERD; and about twenty on-campus persons visited and/or consulted with BERD.

- C. The rural development linkage of Virginia State College and The University of Science and Technology progressed satisfactorily during this reporting period with the implementation of new research projects under the grant extension program with Acquah replacing Joshua in residence at UST. Whyte and Tuthill explored linkage possibilities in Kenya and Upper Volta, respectively and Battle explored linkage arrangement with Nigeria. Linkage discussions with Liberia begun in the previous reporting period were discontinued pending resumption next period when a counterpart to BERD could be established in Liberia with the support of the Liberian Government.
- D. With regard to the VSC/UST linkage program in Ghana, during the next reporting period VSC will:
- (1) maintain its BERD staff (Acquah) in residence at UST through October and possibly December 1978;
 - (2) develop proposals for USAID/Ghana support in collaboration with UST staff/faculty to insure continuance of the linkage beyond May 1979 when the grant extension expires;
 - (3) host UST staff members (in residence) at VSC (Acquaye-- July-August, 1978 and Anim-Appiah--August - December 1978);
 - (4) continue support of three Ghanaian graduate student research assistants under the linkage program;
 - (5) send one or more BERD/VSC staff to Ghana on linkage (present and future activities) assignment for up to 3 months;
 - (6) send one VSC administrator to UST for assessing the linkage program and establish appropriate policy and guidelines;
 - (7) collaborate with UST in holding workshops and seminars for implementation of research results;
 - (8) explore effective means of working with the Government of Ghana on problems of rural development.

Virginia State College will continue to explore opportunities for the utilization of its capacity during this coming period FY 1979. It will,

through its BERD, continue to explore new linkages with LDCs, U.S. institutions and international organizations. It will participate in activities of SECID in their contractual program with AID. It will explore opportunities with AID and LDCs for the utilization of its capacity.

VI. NEXT YEAR'S PLAN OF WORK AND ANTICIPATED EXPENDITURES

A. Expanded Knowledge

1. Field Research Projects in LDCs and LDC Related Domestic Research Projects.

Small field research projects will be continued from previous period by VSC's professional staff in collaboration with LDC professionals. The following research projects will continue out in Ghana under the UST/VSC linkage program.

- (a) "Customary Land Practices in Relation to Agricultural Production," with Acquah (VSC) and Acquaye (UST) as principal investigators;
- (b) "Economic Viability of Small Scale Farm in the Forest Zone of Ashanti," with Acquah and Opoku Debrah as principal investigators;
- (c) "Supply Responses of Cotton Farmers in Ghana: A Case Study of the Northern Region," with Regina Ohene-Darko (BERD Graduate Research Assistant) as principal investigator - (master's thesis);
- (d) "Enterprise Combination and Capital Requirements in Northern Ghanaian Agriculture" (a project extended from the previous period), with Joshua (VSC) and Anim-Appiah (UST) as principal investigators (scheduled for completion September 1978);
- (e) "Customary Land Tenure Systems in Relation to Agricultural Production in Ghana," (tentative title) with Emmanuel Gyawu (BERD) Graduate Research Assistant) as principal investigator - (master's thesis);
- (f) "Economic Viability of Small Scale Farms in the Forest Zone of Ashanti," with Kojo Andoh (BERD Graduate Research Assistant) as principal investigator - (master's thesis);

- (g) "The Role of Credit in the Adoption of Appropriate Technology: A Case of Small Rice Farmers in Northern Ghana," with Francisca Moghalu (BERD Graduate Research Assistant) as principal investigator - (master's thesis).
- (h) "The Political Economy of Food Marketing in Ghana 1975-76," with Franklin Moore (BERD Assistant Research Associate) as principal investigator (scheduled for completion this period).

The following LDC related domestic projects will be conducted and/or completed during the next reporting period:

- (a) "Occupational Mobility of Rural Labor," with Emmanuel Acquah (VSC) as principal investigator (project delayed last period due to Acquah's assignment in Ghana);
- (b) "Labor Turn-over in Small Industries in South Central Virginia," with Emmanuel Acquah (VSC) as principal investigator (project delayed last period due to Acquah's assignment in Ghana);
- (c) "Production and Marketing of Livestock in South Central Virginia," with Charles Whyte (VSC) as principal investigator, Michael Joshua (VSC) and V. Huu De (VSC) as Research Associates;
- (d) "Value of Farm Wives' Time in Agricultural Production: A Case of South Central Virginia," with Emmanuel Acquah (VSC) as principal investigator (project delayed last period due to Acquah's assignment in Ghana).
- (e) "Marketing Organization and Activities by County in South Central Virginia," with Samuel Moak (VSC) as principal investigator (completion date this period).
- (f) "Manpower Supply and Demand in South Central Virginia: A Targeted Area Information System for Facilitating Program Development, Educator, Guidance, and Client Career Selection," with Don Chipley (VSC) as principal investigator (project status uncertain due to departure of principal investigator from (VSC)).
- (g) "An Analysis of the Farmers' Home Administration's Delivery of Credit to Small Farmers in Virginia," with Magid Dagher (BERD Graduate Research Assistant) as principal investigator).

All the above LDC projects [except (h)] are scheduled for completion this reporting period. Moore's departure from VSC in June leaves this project status uncertain.

2. Participation of VSC's staff/faculty in design, analysis and/or evaluation of US-AID projects in LDCs.

It is the College's intent to maximize the use of the available resources at VSC (person-months available), US-AID (travel per diem and salary) and elsewhere [i.e., consortium (SECID), linkages and networks] to improve and expand the knowledge base at VSC. The College through its BERD, will provide 12 to 16 person-months of staff/faculty time for advisory/consultative services in identification, design analysis and evaluation of AID and other donor projects in LDCs.

The expected results are:

- (a) increased understanding of project identification, design analysis and evaluation in LDCs;
- (b) increased understanding of rural development problems in LDCs through site visitations and actual involvement in project identification, design, etc;
- (c) increased capacity at VSC to advise and consult on rural development problems in LDCs;
- (d) project reports and working papers on rural development problems in LDCs.

VSC's staff/faculty with qualification for participation are as follows:

<u>NAME</u>	(*core staff; **affiliated staff)	<u>SPECIALITY</u>
*Emmanuel T. Acquah (Ph.D., Agricultural Economics)		Production, Resources
*Huey J. Battle (Ph.D., Agri. Econ./Economics)		Manpower, Marketing Development
William S. Edmonds (Ed.D., Education/Psychology)		Education, Training, Psychology, Administra- tion (French S ₂ , R ₂)
Valmore R. Goines (Ph.D., Psychology)		Curriculum Development and Evaluation, Psycho- logy, (French R ₂ Approx.)

John B. Harris (M.B.A. Business Admin.)	Marketing Business, Economic Development
Rayford L. Harris (M.S. Education)	Training Industrial Arts Curriculum Development
Stanley L. Jeffress (B.S. Agricultural Education Advanced Study: Agricultural Economics)	Vocational Agriculture, Extension, Business
Elizabeth J. Johnson (Ed.D., Psychology/Guidance Counseling)	Education, Psychology, Training, Administration, Curriculum Development
*Michael S. Joshua (Ph.D., Economics)	Credit, Management, Development
Cornelius C. Lewis (Ph.D., Agronomy)	Agronomy, Chemistry, Agricultural Research
**Frederick Lesnett (Ph.D. Sociology)	Rural Sociology, Resources
Sheng-Yung Li (Ph.D., Economics)	Economic Development, Sta- tistics, Regional Econ.
Louis F. Martin (M.S. Horticulture)	Horticulture, Vocational Agri., Agricultural Educ.
Adolphus J. Miller (Ed.D., Vocational Education)	Agri. Mechanics, Vocational Agri., Curriculum Dev.
**Samuel K. Moak (Ph.D., Business Administration)	Marketing, Management
William T. Richie (Ph.D., Economics)	Development, Resources, Rural Economics
*Janet C. Tuthill (M.A., International Studies)	Resources, Sociology, Development, Education
Cottee J. White (Ph.D., Sociology/Anthropology Human Affairs)	Sociology, Anthropology, Rural Development
*Charles D. Whyte (Ph.D., Agricultural Economics/ Economics)	Production, Marketing, Resources, Development

The anticipated expenditure for this category (A. Expanded Knowledge) is estimated at \$55,000.00 as follows:

- 12 - 16 person-months staff/faculty time:	26,000.00
- LDC research projects (in Ghana)	12,000.00**
- LDC related domestic research	4,000.00**
- International travel and expenses	13,000.00

It is anticipated that the US-AID requestors will pay the costs of transportation and per diem allowance for VSC's staff/faculty participating in project design, analysis, etc.; and the salary of VSC staff members who are not paid from grant extension funds. The international travel and expense allocated above will cover the costs of VSC's BERD staff in international involvement initiated by them in Ghana and elsewhere.

B. Advisory and Consultation Services

Increased and/or improved "core" staff and VSC's staff/faculty capability in research of rural development problems to respond to AID's and LDC's requests for consultation and advisory services in design, analysis and evaluation of projects.

VSC can utilize grant funds in this regard in a limited way only.

It is expected that the cost of travel and per diem allowances (for members with salary from grant funds) plus salary (for members with salary from elsewhere) of staff/faculty members selected by US-AID and/or other donors for participation will be paid by the requestor.

VSC will provide staff/faculty members listed above during the next reporting period for participation in AID projects and programs.

The expected results are as follows:

- (a) increased understanding of project identification, design, analysis and evaluation in LDCs;

**Does not include salary of staff/faculty

- (b) increased understanding of rural development problems in LDCs through site visitations, interaction with AID mission personnel, LDC institutions and professional staff knowledgeable of LDC problems;
- (c) increased capacity at VSC to advise and consult on rural development problems in LDCs;
- (d) reports of analyses and evaluation of problems in LDCs.

The anticipated expenditures for this category (B. Advisory and Consultation Services) are presented above under (A).

C. Education and Training Capacity

1. The Master's Degree Program at VSC.

In collaboration with the Departments of Economics and Agriculture, BERD will continue support of six graduate student research assistants during the next reporting period. Three of these students are Ghanaians sponsored under the VSC/UST linkage program; one is a Nigerian; and the remaining are U.S. Citizens. There are four males and two females students consistent with consideration to minorities and women. All students are expected to complete the requirements for the master's degree during this reporting period.

Other students enrolling in the graduate program in Economics at VSC will receive the benefit of the experience (knowledge) of the BERD staff through formal academic courses taught by them. In addition to the formal courses, the BERD staff will offer informal seminars, short courses and practical training in research techniques to the graduate students.

The expected results are as follows:

- (a) Six students trained in economic development. Three with practical training in LDCs and at least four with thesis topics on problems of LDCs.
- (b) Up to 35 graduate students receiving training in Economic Development and other areas of Economics, with direct and indirect support of the grant extension funds.
- (c) Increased capacity at VSC to train students in Economics and, in particular, Economic Development.

- (d) Increased awareness and understanding by students of the problems of LDCs and, in particular, of rural development in LDCs.

The anticipated expenditures for this category (C.1-Education and Training Capacity) are estimated as follows:

Student Research Assistant

stipend	\$17,500
tuition and fees	6,000
research	<u>2,000</u>
TOTAL	\$25,500

Staff/faculty

15 person-months
(including salary
and fringe benefits) \$30,000

2. Seminars, workshops, short courses and conferences

These will fall into two general categories:

- (a) limited participation; and
- (b) unlimited participation.

The former will be designed for students, faculty and staff participation and will consist of lectures, presentations and discussions of research and proposals. The latter category will be international in scope and oriented toward issues and problems concerning rural development in LDCs. Participation will include professionals and students from LDCs, U.S. institutions, international organizations and AID. It is the intent of VSC/BERD to hold a total of eight seminars, two short courses, one conference and one workshop during the reporting period of FY 1979.

The expected results are as follows:

- (a) improved capability of staff/faculty and students at VSC;
- (b) increased the utilization capacity of VSC for utilization by AID and other donors.
- (c) At least 12 limited and 6 unlimited seminars.

The anticipated expenditures for this category (C.2 - Seminars, etc.) are calculated above under (C.1).

3. LDC Staff Training and Research Projects

Under the VSC/UST linkage program, the research projects to be carried out during the reporting period of FY 1979 will provide opportunity for at least six (6) LDC professional staff and ten (10) LDC students, and up to ten (10) LDC field workers to receive training and experience in the conduct of rural development research.

The expected results are:

- (a) increased understanding of LDC personnel in project identification, design, analysis and evaluation of rural development problems;
- (b) increased response capacity of VSC/UST (linkage program) to respond to AID's and the Government of Ghana's requests for advisory and consultation services;
- (c) project report and papers on rural development problems in LDCs.

The anticipated expenditures are calculated above under the categories A, and C.1.

D. Linkages and Networks

1. Strengthen existing rural development linkages with LDCs (Ghana); establish new linkages and network; and collaborate with AID, LDC, U.S. and international institutions.

The College will provide up to 9 person-months of "core" BERD research staff members (Acquah--scheduled to be in residence at UST) assigned to work cooperatively and collaboratively with professionals in LDCs with which linkage programs have been established. Up to four "core" BERD staff will be involved in: research work; advisory supervisory and consultative services; and limited teaching assignments in LDCs.

The College, with the use of grant funds, will support up to nine (9) person-months of LDC (linkage) staff members assigned to VSC to work cooperatively and collaboratively with VSC professionals. The College will support up to 18 person-months of LDCs (Ghana) graduate student research assistants in LDC and at VSC for assisting in the conduct of research work on problems of rural development. The College, with the use of grant funds, will support conferences, seminars and workshops on problems of rural development in LDCs.

The expected results are:

- (a) increased capacity at VSC to respond to AID and LDC requests for advisory and consultation services;
- (b) increased staff capability for utilization by AID and LDCs;
- (c) increased capacity in LDCs and capability of LDC staff/faculty members to conduct research on rural development problems;
- (d) increased information and data base for utilization by VSC, LDCs, AID, and other institutions involved in rural development work in LDCs;
- (e) project reports, working papers, monographs, theses and publications of works on problems of rural development in LDCs.

The anticipated expenditures, with the exception of LDC staff exchange shown below, have been calculated in the other categories above (A, C.1, and C.2).

LDC staff/faculty at VSC	
7 person-months	8,200*
Allowances	<u>2,800</u>
TOTAL	11,000

*Including fringe benefits

E. Information Capacity and Dissemination

Library acquisition; reports of research (publications, conferences proceedings, etc.); search, inventory and disseminate information.

VSC, through BERD, with the use of grant funds will utilize its resource person to further improve its information storage and dissemination capacity. Up to ten (10) person-months will be devoted to the improvement of this capacity. BERD will continue to utilize its part-time librarian and support staff in this endeavor. Grant funds will be utilized to acquire books and periodicals for research and academic support. Grant funds will also be utilized to defray the cost of monograph preparations, printing and distribution.

The expected outputs (results) include:

- (a) up to six master's thesis;
- (b) at least three research monographs;
- (c) at least six reports on projects in LDCs;
- (d) at least four quarterly newsletters;
- (e) at least three (3) working papers;
- (f) increased information storage and dissemination capacity of VSC; and
- (g) increased knowledge base of VSC's staff/faculty and students.

The anticipated expenditures are estimated as follows:

- 10 person-months staff time (including fringe benefits)	\$ 8,600.00
- Acquisitions	1,500.00
- Publication & Distribution	5,000.00
TOTAL	<u>14,100.00</u>

VII. INVOLVEMENT OF MINORITY PERSONNEL AND WOMEN

Of the eight male members of BERD staff who worked full or part-time during the sixth year of this grant, five were black, two white, and one oriental. Of the eight, there are the Director, Assistant Director, and six Research Associates. There are three females (two blacks and one white)--Administrative Assistant, Secretary, and Research Associate (resource person). There are six research assistants, six blacks and no white--4 males and 2 females.

VIII. PREPARATION FOR PHASING OUT THE 211(D) PROGRAM AND ENTERING NEW MODE WITH AID

BERD Program Plan

BERD has embarked upon a plan to secure continued funding for programs having expiration date in 1979 as follows:

A. US-Agency for International Development (AID)

1. Prepare proposal for Title XII (set aside) institutional strengthening grant--\$400,000 - 500,000/5 yr. (submission date Oct. 1, 1978).
2. Prepare proposal for Title XII, (matching funds) research grant (begin spring 1979 for submission date: Oct. 1979).
3. Prepare Indefinite Quantity Contract (IQC) proposals for AID contracts.
 - (a) Rural development--competitive (submission date: June 1978)
 - (b) Agriculture Sector (submission date: July 1978)
 - (c) Rural Development--Minority (submission date: July 1978)
4. Prepare consultative/advisory service document of BERD/VSC (to be submitted to 31 key offices within AID, July 1978) for utilization.
5. Prepare consultative/advisory service document with specific LDCs and projects in which BERD/VSC has interest for involvement (sub- mission date: August, 1978).
6. Establish contacts with key US-AID personnel and follow-up with meetings and discussions for VSC's involvement. [In progress: Battle and Whyte--BIFAD (Title XII), DSB/ESP, DSB/RD, regional bureaus].
7. Explore cooperative agreement with office of rural development-- begin July/August 1978.
8. Explore unsolicited research proposal for contract funding of between \$500,000 and \$800,000--(in progress through ESP/DSB--Whyte).
9. Explore contracts and sub-contracts through FAO/AID and SECID (in progress--Battle).
10. Explore contract with AID/Ghana for the VSC/USI' linkage program-- in progress--Whyte/Acquah.
 - (a) Develop proposals for support under current AID/Ghana program (first two proposals sub- mitted: July 1978--Acquah).
 - (b) Sub-contracts with IITA and EX. Inc. in pre- liminary discussion state with AID/Ghana (in progress--Whyte/Acquah).

11. Explore employment and training opportunities for BERD/VSC students through: AID regional bureaus (Africa, Near East Latin America); Missions (Ghana, Liberia, Nigeria, Kenya); and other AID programs areas. (In progress--Whyte/Battle).
 12. Prepare proposal for small contract in DSB/RD on voluntary agencies (in progress--Tuthill).
- B. US-Department of Transportation (DOT)
1. Implement recently funded project (effective Sept. 1, 1978).
 2. Prepare proposal for extension of current project (submission date: Dec. 1, 1978).
 3. Explore long term contract (Battle); and develop proposal for submission Oct. 1, 1979.
 4. Explore employment and training opportunities for BERD/VSC students (Battle/Whyte).
- C. US-Department of Agriculture - Science Education Administration Cooperative Research (SEA/CR)
1. Prepare proposal for extension of current project (completion date: spring 1979).
 2. Prepare proposal for new project submission date: Sept., 1978.
 3. Explore rural development grant from USDA (spring 1979--Battle/Whyte).
 4. Explore, with College administration, bringing SEA/CR program under BERD (to be effective Oct. 1, 1979).
- D. Virginia State College (VSC)
1. Explore increased state support of BERD program (Battle).
 2. Explore ways of bringing more faculty/staff into the research activities of BERD (in progress--Whyte).
- E. Other
1. Explore other sources of support in grants and/or contracts.
 - (a) Developed directory of donor agencies (June, 1978).
 - (b) Contact of selected government agencies and foundations--HEW, Commerce, Ford, Rockefeller, etc. (Battle).
 2. Strengthen relationships (linkages/networks) with VSC Cooperative Research Service, academic departments and other units of the College (Battle/Whyte/staff).

3. Explore with executive vice-president ways of bringing BERD into the information mainstream at VSC (i.e., director gaining access to deans meetings, etc.)

It is expected that the following programs will be in effect by July 1, 1978.

1. SEA/CR: Current project--"Production and Marketing of Livestock in South Central Virginia"--through 12/30/79 (estimated funds available \$60,000).
2. SEA/CR: A new project in food and nutrition with one year renewable for 5 years life--(estimated funds available (\$250,000)).
3. AID/Washington: At least one contract in each of the two areas of AID/IQC--(1) Rural Development, and (2) Agriculture Sector--(estimated funds available (\$100,000)).
4. AID/Washington: Institutional strengthening grant under Title XII (estimated funds available \$500,000).
5. AID/Washington: Two (unsolicited) research contracts--one in rural development. (Estimated funds available \$600,000).
6. AID/Washington: At least three (3) short-term consultative/advisory work order contracts for BERD/VSC staff in LDCs--(Estimated funds available \$10,000).
7. AID/Ghana: At least one grant and one contract under the VSC/UST linkage program--(estimated funds available \$150,000).
8. DOT: Current project--"Socioeconomic Impact of Intra-State Motor Carrier Regulations on Rural Development"--through August 30, 1979. (Estimated funds available \$5,000).
9. DOT: Extension of current project above--(estimated funds available \$80,000).

The total estimated funds expected to be available would be \$1,745,000.

It is expected that the research associate staff will be expanded by at least five persons beyond those currently employed. The administrative, "core" and affiliated professionals, and support staff for FY 79 (through June 30) are as follows:

A. Administrative Staff

1. Battle, Huey J. Director
2. Whyte, Charles D. Assistant Director

- | | | |
|--------------------------------------------|---------------------------------------|--------------------------------------------|
| 3. | Spencer, Juanita | Administrative Assistant |
| B. "Core" Research Associate Staff | | |
| 1. | Joshua, Michael S. | Research Associate |
| 2. | De, V. H. (SEA/CR) | Research Associate (new staff) |
| 3. | Maclin, Hermon (65% time) | Research Associate (replacing
F. Moore) |
| 4. | Acquah, Emmanuel T. | Assistant Research Associate |
| 5. | Tuthill, Janet C. | Assistant Research Associate |
| 6. | Staff (by 9/1/78) | Assistant Research Associate |
| C. Affiliate Research Associate Staff | | |
| 1. | Lesnett, Frederick S. | Assistant Research Associate |
| 2. | Moak, Samuel K. | Research Associate |
| D. Support Staff | | |
| 1. | Glass, Betty (SEA/CR) | Secretary |
| 2. | Glass, Page (AID) | Secretary |
| 3. | 1/2 time secretary by
9/1/78 (DOT) | Secretary |
| 4. | Leatherman, Carolyn | Librarian |
| E. Research Assistants (Graduate Students) | | |
| 1. | Andoh, S. | AID Research Assistant |
| 2. | Dagher, M. | " " " |
| 3. | Graham, S. | " " " |
| 4. | Gyawu, E. | " " " |
| 5. | Moghalu, F. | " " " |
| 6. | Ohene Darko, R. | " " " |
| 7. | Cooper, Q. | SEA/CR Research Assistant |
| 8. | Jackson, Wm. | " " " |
| 9. | Sage-El, K. | " " " |

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|-----|----------------|--------|--------|---------------------------|
| 10. | Zaki, A. | | | SEA/CR Research Assistant |
| 11. | Research Asst. | 9/1/78 | | DOT Research Assistant |
| 12. | " | " | 9/1/78 | " " " |
| 13. | " | " | 9/1/78 | " " " |

For details on the current staff see: Resume and Description below in APPENDICES.

A P P E N D I C E S

- I. Descriptive Paragraphs on BERD Staff
- II. Resumes
- III. Summary Activities for Reporting Period
(FY 78)

DESCRIPTIVE PARAGRAPHS ON BERD STAFF:

Professional Staff:

Huey J. Battle, Director of BERD and Professor of Economics holds a Ph.D. in Agricultural Economics from Oklahoma State University. Dr. Battle founded the Bureau in 1969 and has directed its operations since then. He is the International Affairs Coordinator of VSC, representative of VSC to the BIFAD and Trustee of the College to SECID. He has served as consultant for both private and public organizations. His areas of specialization include manpower, marketing and economic development, and he serves on several committees dealing with these areas. In addition to administering the 211(d) USAID and Department of Transportation grants, he has managed the Bureau's previous four year grant from the Department of Labor. Dr. Battle served as Chairman of the National Economic Association in 1977; and has published articles in a variety of professional journals. His experiences in LDCs include: rural development project design and evaluation (Ghana and Liberia); and linkage feasibility search (Kenya, Nigeria, Sierra Leone, Tanzania and Liberia).

Charles D. Whyte, Assistant Director and Professor of Economics received a Ph.D. in Agricultural Economics from Ohio State University. His areas of expertise include production economics, marketing, quantitative analysis and international economic development. Dr. Whyte's duties at BERD include supervising and coordinating all research activities. He serves as principal investigator of SEA/CR Livestock Project; and Co-Investigator of several BERD/AID projects. In addition to many contributions to the BERD monograph series, Dr. Whyte has published several articles in professional journals; and serves in a consultative/advisory capacity with USAID (DSB/ESPD/AGRI and DR/Africa).

His experiences in LDCs include: field crops production (Jamaica); rural development project design and evaluation (Ghana and Liberia); and project paper design and evaluation (Kenya).

Michael S. Joshua, Research Associate and Associate Professor of Economics holds a Ph.D. in Economics from the State University of New York at Buffalo. His areas of expertise include economic development, public finance, management and agricultural credit. Dr. Joshua completed the first BERD research staff assignment to the linkage program at UST in Kumasi, Ghana serving in 1975-77. In addition to contributions to the Bureau's monograph and working paper series, Dr. Joshua organizes and coordinates the seminar series. His experiences in LDCs include: rural development research (credit) in Ghana; and VSC's consultant on rural development linkage in (Liberia).

Emmanuel T. Acquah, Assistant Research Associate and Assistant Professor of Economics received a Ph.D. in Agricultural Economics from Ohio State University. Areas of specialization include resources, production and management economics. Dr. Acquah has been UST/VSC's linkage representative to the University of Science and Technology (UST), Kumasi, Ghana 1977 to present. He has written several monographs in human and natural resources published by BERD as well as contributing to publications at Ohio State University. His experiences in LDCs include: poultry and livestock management (Ghana); and rural development research (Ghana).

Franklin C. Moore, Assistant Research Associate and Assistant Professor of Agriculture is completing his Ph.D. in Development Studies from the University of Wisconsin-Madison. His areas of specialization include agricultural marketing, African political economy and history and land tenure systems. He has completed a study of agricultural marketing in South Central Virginia for BERD as well as research on food marketing in Ghana. Mr. Moore has also published articles in

African Studies Journals as well as contributing regularly to BERD seminar series.

Janet C. Tuthill, Assistant Research Associate and Resource Person holds a M.A. in International studies from the University of Denver. Her areas of expertise include international organization, voluntary agency development assistance, French language and literature, and francophone African studies. Ms. Tuthill's duties at BERD include maintaining the resource center, responding to research information requests, assisting in proposal and project design and editing the newsletter. She has co-authored a study for AID/Department of State on disaster relief to the Sahel. Her experiences in LDCs include: project design (officer) in Upper Volta; and research on Voluntary Agency Development Assistance in the Sahel (Francophone Africa).

Frederick S. Lesnett, Assistant Research Associate is affiliated with BERD through the Department of Sociology where he is an Assistant Professor. He holds a Ph.D. in Sociology from Purdue University and has conducted two studies for the Bureau on socioeconomic factors effecting labor supply in South Central Virginia. Dr. Lesnett's areas of specialization are rural sociology and quantitative analysis. His current research area is health care delivery services.

Samuel K. Moak, Research Associate is affiliated with BERD through the Department of Business Administration where he is Professor of Marketing. He received a Ph.D. in Economics and Marketing from North Carolina State University. His background is in marketing, economic development and statistics. Dr. Moak has completed research studies for BERD in manufacturing, marketing structure and agricultural activities in South Central Virginia, all of which are part of the monograph series. His experiences in LDCs include: marketing and farm management research in Korea.

Graduate Research Assistants:

Graduate research assistants provide assistance to the research associates and administrative staff. Four are currently employed by the SEA/CR livestock project and six are funded under the 211(d) grant from USAID. They are actively involved in BERD research activities.

Samuel K. Andoh (Ghana) 211(d)	B.A. Economics and Law University of Science and Technology, Ghana
Quanda L. Cooper (U.S.) SEA/CR	B.A. Political Science Virginia State College
Magid A. Dagher (U.S.) 211(d)	B.A. Sociology-Biology St. John Fisher College
Samuel B. Graham (U.S.) 211(d)	B.A. Economics Hampton Institute
Emmanuel A. Gyawu (Ghana) 211(d)	B.S. Land Economy University of Science and Technology, Ghana
William R. Jackson, Jr. (U.S.) SEA/CR	B.A. Economics Hampton Institute
Francisca C. Moghalu (Nigeria) 211(d)	B.A. Economics University of Massachusetts, Boston
Regina Ohene-Darko (Ghana) 211(d)	B.S. Agriculture University of Science and Technology, Ghana
Kevin L. Sage-EI (U.S.) SEA/CR	B.A. Business Management Shaw University
Ahlam Zaki (Jordan) SEA/CR	B.S. Economics Baghdad University, Iraq.

Support Staff:

Juanita S. Spencer, Administrative Assistant has a B.S. in Business Education from Benedict College, Columbia, South Carolina. In addition to her duties in assisting the Director and Assistant Director with the operation of the Bureau, Mrs. Spencer is Managing Editor of the quarterly newsletter and coordinates the technical aspects of editing the monograph series. She also maintains the financial records in BERD as well as coordinator of all secretarial activities.

Mary P. Glass serves as AID Secretary and Receptionist for the Bureau as well as assisting with resource and publication work and maintenance of the reference center.

Betty M. Glass, SEA/CR Livestock and Marketing project Secretary holds a B.S. In Business Education from Virginia State College and is completing a Master's Degree in that field. She assists the Principal Investigator and other members of the project team with all administrative and financial functions of the project.

Carolyn Leatherman holds an M.S. in Library Science from Emory University and assists the Bureau part-time with cataloging of resource materials.

RESUME

Huey Jefferson Battle (Ph.D)

Home Address: [REDACTED]

Telephone: [REDACTED]

Business Address: Bureau of Economic Research and Development
Virginia State College-Box W
Petersburg, Virginia 23803

Telephone: (804) 520-5613

Early Background

Place of birth: [REDACTED]
Citizenship: United States
Marital status: Married

Educational Background

Elementary: Union Chapel Elementary School, 1934
Seminole County, Oklahoma

Secondary: Douglas High School, 1938
Wewoka, Oklahoma

B.S.: Langston University, 1947
Langston Oklahoma

Major: Agricultural Education
M.S.: University of Wisconsin, 1952

Major: Agricultural Economics

Thesis: Seasonal Needs of Migratory Labor in the State of Wisconsin

Ph.D.: Oklahoma State University, 1954

Major: Agricultural Economics

Specialization: Marketing

Dissertation: Economic Effects of Some Major Changes in the Flour-Milling
Industry

Further Study: University of Pennsylvania, Summer 1963
Ford Foundation Fellow

Employment Record

High School Vocational and General Agriculture Teacher, 1947-50.
Douglas High School, Wewoka, Oklahoma.

Research Assistant, Department of Agricultural Economics,
University of Wisconsin, 1950-52.

Research Assistant, Department of Agricultural Economics,
Oklahoma State University, 1952-54

Resume

Huey Jefferson Battle

Page 2

(Employment Record contd)

Professor and Director, Division of Agriculture, Langston, University, 1954-62.

Professor and Head, Department of Economics, Virginia State College, 1972-73.

Professor of Economics and Director, Bureau of Economic Research and Development, Virginia State College 1969--

Administrative Experience

Director, Division of Agriculture, Langston University, 1954-62.
Revised curricula in the various departments in order to be more responsive to the needs at that time. While Director enrollment increased by 100 percent, budget allocation more than doubled, staff increased by 50 percent.

Head, Department of Economics, Virginia State College, 1962-73.
Reactivated the Department of Economics,
Curricula were developed, staff recruited and
scholarships were acquired.

Chairman, Institutional Curriculum Development Committee
Langston University, 1958.

Chairman, Standing Committee on Institutional Research
Langston University, 1957-60.

Chairman, Personnel Committee of Faculty Senate
Virginia State College, 1967-69.

Chairman, Economic Seminars for Business Institutional and
and Government Leaders, 1967-70.

Director, Economics Institute, Virginia State College, 1963, 1967 and 1968.

Director, Manpower Development and Utilization Research Grant,
Manpower Administration, Virginia State College, 1970-74.

Coordinator, Eastern Region Research Cluster, 1973-74.
Cluster included six universities from three states. Research
outputs were in the areas of Manpower and Economic Development.

President-Elect, National Economic Association, (formerly Caucus of
Black Economists) 1975-76.

President, National Economic Association, 1976-77.

Chairman, Regional Economic Development Conference, April, 1973.

(Administrative Experience contd)

Co-Chairman, Regional and International Economic Planning Conference,
July-August, 1975.

Director, Bureau of Economic Research and Development, 1969--
Organized and established the interdisciplinary
research unit, 1969.

Director, Agricultural Economics Institutional Grant, 211(d), 1972.
Organized a council of Heads of Departments at Virginia State
College, 1968.

Chairman, Council of Heads of Departments, 1968-70.

Teaching Experience

Courses Taught: Principles of Economics - Micro and Macro, Comparative
Economic Systems, Labor Economics, Intermediate Economic
Theory, Marketing--Institutional and Commodity Ap-
proaches, Economic Development--both undergraduate and
graduate levels, Economics of Urban Problems, Economics
of Inequality and Poverty--graduate, Manpower Economics
graduate.

New Courses

Introduced: Economics of Inequality and Poverty; Economics of Urban
Problems; Economic Development; Manpower Economics;
International Economics; Economic Problems and Public
Policy; Econometrics.

Consultative Experience

U. S. Department of Agriculture on Employment Opportunities
in the Southwest Region, 1961.

Tennessee Valley Authority on Curriculum Development in Pre-
dominantly Black Colleges of the Southeast, 1962-68.

University of Missouri for the Evaluation of federal support
in the Kinloch School System of Missouri, 1965.

Redevelopment and Housing Authority, Petersburg, Virginia, 1970.

TACTICS - Academic Administration, 1973-74.

Governor's Special Committee to Study Virginia's Franchise
and License Taxes Applicable to Public Service Corporations
in Virginia, 1975.

(Consultative Experience contd)

Member of Advisory Group to Study Energy Policy and
Minority Employment for Gulf Oil Company, 1976-77.

Conference on Black Economic Development, Vanderbilt
University, 1975.

International Experience

Made a linkage-feasibility study between Virginia State
College and:

Njala University, Sierra Leone, 1973;

Fararah Bay College, Freetown, Sierra Leone, 1973;

University of Ibadan, Nigeria, 1973;

Ahmadu Bello University Nigeria, 1973;

University of Dar es Salaaru, Tanzania, 1973;

University of Nairobi, Kenya, 1973;

University of Science and Technology, Ghana, 1975;

University of Liberia, Liberia, 1977.

Coordinated the establishment of a rural development
linkage between Virginia State College and the University
of Science and Technology, 1975.

Lecturer--Ministries in Monrovia Liberia on "Economic
Planning Using the System's Approach," 1975.

Attended and participated in a Regional Integrated Rural
Development Conference, Kumasi, Ghana, 1977.

Institution-Wide Responsibilities

International Affairs Office for Virginia State College.

South-East Consortium for International Development.

Trustee for Virginia State College.

Title XII Representative for Virginia State College.

Research Experience

Evaluation of research techniques and methodologies,
University of Pennsylvania, 1963.

Economic Effects on Some Major Changes in the Flour-Milling
Industry (unpublished Ph.D. Dissertation, 1954).

Seasonal Needs for Migratory Workers in the State of
Wisconsin, 1952.

"Factors Influencing High School Graduates in the Selection
of Colleges and Universities in Oklahoma" published in
Oklahoma Teachers, 1962.

(Research Experience contd)

"Economic Understanding--Paramount Importance"
published in Virginia Teachers Association Journal,
March, 1964.

"Profile of Marginal Skilled Workers in Dinwiddie County,
Virginia, 1972" Monograph -joint publication.

Paper: "Identification of Those with Marginal Skills,"
at the Eastern Regional Science Association, February, 1972.

Conducted a socio-economic survey of Petersburg, Virginia,
1970.

Conducted a socio-economic survey of household heads in
Amelia, Brunswick, and Cumberland counties, 1972.

Conducted a socio-economic survey of household heads in
Amelia, Brunswick, Cumberland and Southampton counties, 1973.

"Transferable Wealth: A Yardstick for Measuring Economic
Growth" published in Black Enterprise, June, 1976.

Proposal Submitted and Funded

Economic Institute--NDEA, 1966, 1967;
Bureau of Economic Research and Development, 1967;
Efficiency Study of Small^u Businesses (pilot study), 1965;
Identification of Those with Marginal Skills;
Development and Utilization Manpower Research Unit, 1969;
State Office of Minority Business Enterprise, 1972;
Agency for International Development--To Improve Competence
In agricultural Economics and Economics to Analyze and
Contribute to Resolving Problems of Low-Income Farm and
Rural Non-Farm Units, 1972.

Joint proposal co-authored with C. D. Whyte and M. S. Joshua
"Socio-Economic Impact on Intra-State Motor Carrier Regulations
on Rural Development--Dept. of Transportation, 1978.

Biographical Listings

American Man of Science
Who's Who in the South and Southwest
Personalities in the South

Honorary Societies

Pi Gamma Nu
Kappa Delta Pi
Omicron Delta Epsilon

Professional Affiliations

American Economics Association
National Association of Business Economists
Southern Economic Association
Western Regional Science Association
American Agricultural Economic Association
National Economic Association, Past President
Virginia Economic Association, Board Member
Association of University of Business and Economic Research

Social Organizations

Alpha Phi Alpha Fraternity, Past President
Masonic Lodge
Gillfield Baptist Church, Deacon, Petersburg, Virginia

RESUME
(1977)

CHARLES D. WHYTE (Ph.D)

Bureau of Economic Research and Development
Virginia State College
Petersburg, Virginia 23803

(804) 520-5621, Ext. 5613, 5614

EARLY BACKGROUND

Born: [REDACTED]
Weight: 155
Height: 5'10"
Health: Excellent
Marital Status: Married

High School: Manachester College, Mandeville, Jamaica
Diploma: General Certificate of Education
(London University, London, United Kingdom)

UNDERGRADUATE PROGRAM AND ACTIVITIES

Prairie View A & M College, Texas, 1960.
Major: Agriculture
Minor: Economics

Graduated with honors (Cum Laude) June 1964.

Activities: Member Agriculture Club, Economics Club, Alpha Pi Mu

GRADUATE PROGRAM AND ACTIVITIES

Ohio State University, September 1964

M. S. Degree (Agricultural Economics) March, 1966

Thesis: "An Economic Analysis of the Factors Determining the
Price of Processing Tomatoes in Ohio"

Ph.D. Work--Areas: Economic Theory, International Economics/Development,
Production Economics, Marketing and Quantitative
Methods.

Doctoral Dissertation: "Dynamic Short-Term Estimating and Forecasting
Models for Wholesale Beef Prices" (June 1969).

Activities: Secretary-Treasurer Graduate Club 1965-1966
Vice President Graduate Club 1966-1967

GRADUATE PROGRAM AND ACTIVITIES (CONTINUED)

Academic Honors and Awards: Gamma Sigma Delta (Honor Society of Agriculture)
Omicron Delta Epsilon (International Honor Society in Economics)
Brookings Economic Policy Fellowship, 1972-73
National Science Foundation's Summer Institute for College Teachers of Economics (Brown University), 1972

EMPLOYMENT RECORD

Employed as a field assessor with the Banana Industry Insurance Board (Jamaica, W.I.), 1954-56.
Farm overseer with Jamaica's largest sugar estate (West Indies Sugar Company), 1956-1960.
Research Assistant, Department of Agricultural Economics and Rural Sociology (Ohio State University), 1964-67.
Research Associate, Department of Agricultural Economics and Rural Sociology (Ohio State University), 1967-69.
Assistant Professor, Department of Economics and Business Administration, (State University of New York, College at Fredonia), 1969-72.
Acting Chairman, Department of Economics and Business Administration, (State University of New York, College at Fredonia), 1970-71.
Associate Professor, Department of Economics and Business Administration, (State University of New York, College at Fredonia), September 1973-74.
Brookings Institution Economic Policy Fellow 1972-73--Assigned to the International Bank for Reconstruction and Development, Commodity and Export Projections Division, Economic Analysis and Projections Department (June - December 1972); Programming and Budgeting Department (January - June, 1973). Brookings Institution, July - August, 1973.
Professor of Economics and Assistant Director, Bureau of Economic Research and Development, Virginia State College, Petersburg, Virginia, July 1974-Present.

RESEARCH EXPERIENCE

Marketing and International Economics:
Forecasting Models; Commodity Marketing; Agricultural Exports. (See Publications).

Economic Development:
Rural Economic Development; Highway Investment in LDCs; Human Resources in Rural Areas; Rural Development in LDCs; Blacks in Economic Development. (See Publications and Papers).

Agricultural Economics
Production; Manpower; Management; and Marketing.

TEACHING AND ADMINISTRATIVE EXPERIENCE

Courses Taught: Statistics I and II, Introduction to Econometrics, Principles of Economics-Micro, Intermediate Macro-Economic Analysis, International Economics, Operations Research, Seminar in Production Economics, Mathematical Economics, Managerial Economics, Economics of Blacks and Other Minority Groups; Economic Development, and International Economics at the graduate level.

Introduction and Implementation of New Courses:

1. Economics of Blacks and Other Minority Groups
2. Introduction to Econometrics
3. Mathematical Economics

Administrative: Acting Chairman, Department of Economics and Business Administration, State University of New York, College at Fredonia, June 1970 to August 1971.

Developed and staffed Business Administration Program leading to B. S. Degree in Business Administration.

Developed Graduate Program with courses leading toward the Master of Arts Degree in Economics.

Restructured Economics Program and degree requirements to bring them in line with student's interest and competition with other institutions.

During the eighteen months as Acting Chairman, department faculty increased from five to ten members.

Assistant Director, Bureau of Economic Research and Development, Virginia State College, (BERD), Petersburg, Virginia, July 1974-Present.

Responsibilities include: Planning, developing and supervising the research activities of the BERD's staff in the areas of Manpower, Management Marketing and Production; Focusing on Rural Development in LDC's under US-AID grant program. Staff includes: 8 professional; up to 10 Research Assistants; and 4 support staff.

Directing Graduate Student Research work and Thesis
Assisting in the overall operation of BERD, including recruiting of new staff; developing proposals for outside funding; reviewing research papers for publication; preparing reports (i.e. annual reports to US-AID); planning and coordinating conferences, workshops and seminars.

TEACHING AND ADMINISTRATIVE EXPERIENCE CONT'D

- Other Activities: Vice Chairman, ad hoc College Curriculum Committee, 1969-1971. The committee was instrumental in bringing about sweeping liberal changes in the general college curriculum.
- Member of Committee to Develop an Undergraduate Program in Afro-American Studies, 1971-1972.
This program was instituted Fall 1972
 - Member of the President's Hearing Committee for Maintenance of Public Order on the Premises of the State University, 1970-1974.
 - Member of the Steering Committee of the Conference on Evaluation of Teaching, 1970-71.
 - Advisor to Black Student Union, State University College at Fredonia, 1969-1972.
 - Chairman, Affirmative Action Advisory Committee for Equal Employment of Minorities and Women, 1972-74.
This Committee was responsible for a comprehensive analysis of the workforce at SUNY - Fredonia.
A sixty-six page report was submitted, April 1, 1974.
 - Member (Elected) of the Faculty Council, Term 1972-1975.
(Resigned due to leave of absence at Brookings Fellow).
 - Chairman, Research Committee of the Virginia State State College Self-Study Program for Southern Association of Colleges and School Accreditation.

PROFESSIONAL AFFILIATIONS

American Economic Association
Atlantis Economic Society
American Agricultural Economic Association
National Economic Association (Formerly Caucus of Black Economist)
Southern Regional Science Association

PUBLICATIONS

1. "Common Market Witnesses Higher Level of Living," Economic Information for Ohio Agriculture, Ohio Experiment Station, Ohio State University, May 1967.
2. "EEC Will Continue as Feedgrains Market," Economic Information for Ohio Agriculture, Ohio Experiment Station, Ohio State University, May 1967.
3. "Forecasting Future Wholesale Beef Prices," Ohio Report on Research and Development, Sept. - Oct. 1967.
4. "Dynamic Short-Term Estimating and Forecasting Models for Wholesale Beef Prices," Ohio Report on Research and Development, (From Ph.D. Thesis) 1971.

5. "A Review of the World Tin Market: Problems and Prospects," Commodity Export and Projections Division, Economic Analysis and Projections Department. World Bank, January 1973.
6. "Marketing Structure of Selected Agricultural Product and Service Industries in South Central Virginia," Bureau of Economic Research and Development (Monograph), February, 1976 - (Co-Authored with Samuel K. Moak).
7. "Human Resources in South Central Virginia: Social and Economic Characteristics," Bureau of Economic Research and Development (Monograph, (December 1976) - (Co-Authored with Deborah Ramsey).
8. "An Analysis of Commercial Bank Credit to Farmers in Pittsylvania County, Virginia," Bureau of Economic Research and Development (Monograph, (November 1976) - (Co-Authored with Wesley Motley and Michael Joshua).
9. "Papers and Proceedings" of the Regional and International Economic Development Planning Conference, Bureau of Economic Research and Development, Edited, (Sept. 1976).
10. "The Economic Impact of Highway Investment on Development of LDC's, Bureau of Economic Research and Development" (Monograph, forthcoming 1977).
11. Catalogue for Small Businesses, Bureau of Economic Research and Development, Edited, (December 1976).
12. "New Directions for 3rd Century Economic Development of Blacks (A Bicentennial Focus)," National Economic Association Reports, Vol. V, No. 1, p. 3, Bicentennial Issue 1976.
13. "An Evaluation of Institutional Credit and its Role in Agricultural Development in Ghana" Bureau of Economic Research and Development (Monograph) Forthcoming, 1977 - (Co-authored with A. Gyekye and E. Acquah).

PAPERS AND OTHER SCHOLARLY ACTIVITIES

1. Chairman and Discussant on "The Economics of Minority Groups" at the 12th Annual Conference of the New York State Conference for College Economists, Rensselaer Polytechnic Institute, April 16-17, 1971.
2. Discussant on "Economic Integration in Africa: Vertical or Horizontal?" at a Conference on Linkages in the Black Pluriverse: Africa Afro-American and the Caribbean, State University of New York, Binghamton, October 29-31, 1971.
3. Discussant on "The Impact of the 1969 Franc Devaluation on the Economy of the Ivory Coast," at The Fourth Annual Convention of the State of New York Faculty Association for African Studies, SUNY, Brockport, New York, February 25-26, 1972.

4. Discussant on "The Manufacturing and Trade of New England Rum Before the American Revolution," at the New York State Economic Association Conference, SUNY at Geneseo, New York, April 21-22, 1972.
5. Discussant on "Tariff Discrimination in a Large Country Trade Model: An Application to Customs Union" at The Atlantic Economic Association Meetings, Richmond, VA., September 27-28, 1974 (Abstract published in Atlantic Economic Association Journal, November 1974). p. 95.
6. Discussant on "Inter-County (Labor) Mobility" at The Atlantic Economic Association Meetings, Washington, D.C., Sept. 12-13, 1975.
7. Paper: Farm Real Estate Outlook, presented at the Midwest Regional Outlook Conference, Columbia, Missouri, Aug. 12-13, 1969 (Co-Authored with Wallace Barr).
8. Paper: "A Review of the World Tin Market: Problems and Prospect," Economic Policy Seminar, at Brookings Institution for Higher Studies, April 26, 1973.
9. Paper: "The Economic Impact of Highway Investment on Development: A Case Study of Two Highways in Thailand," at The Southern Regional Science Association Meetings, Richmond, VA., April 8-9, 1976.
10. Paper: "Land and Black Economic Development: at the Chicago Economic Development Corporation's Sixth National Symposium on The State of The Black Economy, Los Angeles, June 10-11, 1976.
11. Paper: "New Directions for Blacks in the Labor Market," at The American Economic Association - National Economic Association Meetings, Atlantic City, New Jersey, September 16-18, 1976.
12. Paper: "An Analysis of Commercial Bank Credit to Farmers" at The Atlantic Economic Association Meetings, Washington, D.C., October 14-16, 1976 - (See abstract in Atlantic Ec. Journal, Nov. 1976).
13. Paper: Agriculture in Black Economic Development: A Prospective Look at the Third Century, at The Southern Regional Science Association Meetings, Birmingham, Alabama, April 13-15, 1977.
14. Workshop: Discussion leader, "Communications and Small Farm Programs Workshop" of The Southern Regional Development Center Functional Network on Small Farms, Gainesville, Florida, April 18-19, 1977.

WORKING PAPERS

1. "A View of The Market and Outlook for Diamonds," Commodity and Exports Projections Division, Economic Analysis and Projections Department, World Bank, Washington, D.C., January, 1973.
2. "A View of The Market and Long Term Prospects for Chromite," Commodity and Exports Projections Division, Economic Analysis and Projections Department, World Bank, Washington, D.C., January 1973.

WORKING PAPERS Cont'd

3. "Development Impact of World Bank Financed Highways in Thailand." Operations Evaluation Department, World Bank, Washington, D.C. August 1973.

RESEARCH PROPOSALS SUBMITTED AND FUNDED

- A Proposal for Continuing Support of Virginia State College 211(d) Grant: "Low-Income Farmers and Small Business Units" approved and funded February 25, 1977 (\$350,000) - Dept. of State, US-AID.
- Joint Proposal Co-Authored with H. J. Battle and M. S. Joshua "Socio-Economic Impact on Intra-State Motor Carrier Regulations on Rural Development" - Dept. of Transportation (DOT).
- Cooperative State Research Service (CSRS) "Production and Marketing of Livestock in South Central Virginia: Alternatives for Small Farmers-Funded USDA - October 1977, (\$240,819) - USDA.

CONSULTING AND ADVISING ACTIVITIES

- Member, US-AID Advisory Committee on Agricultural and Rural Sector Planning, US-AID, Washington, DC. (1977)
- US-AID Consultant on "Greater Involvement of Minority Institution's (1890's) in AID: Projects and Programs." A prepared document. (1978)

FOREIGN EXPERIENCES

Rural Development - Ghana; Liberia (Africa)
Agricultural Production - Jamaica (West Indies)

LANGUAGES

French (S-2; R-3)

COMMUNITY ACTIVITIES

1. Addressed the Dunkirk-Fredonia Newcomers Club, October 13, 1971, on "The Wage-Price Freeze: Its Impact on the Economy and Consumers."
2. Addressed the Northern Chautauqua Industrial Management Club, November 30, 1971, on "The Uses of Economics in Management Decision Making Processes."
3. Addressed the Dunkirk NAACP Annual Banquet, March 25, 1972 on "Integration and Black Economic Development in Africa and the United States: A Parallel."
4. Conducted an Eight-Week Seminar on "Economics and Its Application in Industry" for managers and foremen of local industries, September 1971 - March 1972.

COMMUNITY ACTIVITIES Cont'd

5. Addressed the Black Student Union, November 12, 1975 on "Approaches to Black Economic Development: Problems and Prospects." State University of New York, College at Fredonia.
6. Addressed the Bureau of Economic Research and Development's Conference on "Regional and International Economic Development Planning," Virginia State College, July 31-August 1, 1975 (See: Papers and Proceedings, September 1976).

REFERENCES

Available on request.

ADDENDUM

CONSULTATING AND ADVISING ACTIVITIES

1. USAID consultant with ESP/DSB - "Greater Minority Institution Involvement in AID" - final document (forthcoming, July 1978).
2. Consultant on USAID project under USDA in Kenya - Project Evaluation and Project Design (PP) - April - May 1978.

RESEARCH PROPOSAL SUBMITTED AND FUNDED

1. A proposal on "Socio-Economic Impact of Intra-State Motor Carrier Regulations on Rural Development" - Funded DOT, \$71,000, April, 1978.
2. An IQC proposal submitted to contracting office May 24, 1978.

PAPERS AND OTHER SCHOLARLY ACTIVITIES

1. Paper: "Restraints to Economic Development of Blacks in Agriculture," at the American Agricultural Economic Association meetings, San Diego Calif., July 31 - August 4, 1977.
2. Paper Accepted: "A Evaluation of Institutional Credit and Its Role In Agricultural Production in Ghana," at the Southern Economic Association meetings for November 8-10, 1978, Washington, DC.

PROFESSIONAL VITA (1977)

Michael S. Joshua (Ph.D.)
Bureau of Economic Research and Development (BERD)
Virginia State College
Petersburg, Virginia 23803
Telephone: (804) 520-5613-5614

BACKGROUND:

I. PERSONAL

Birthday - [REDACTED]
Marital Status - Married
Height - 5 ft. 7 in.
Weight - 150 lbs.
Health - Excellent
Present Position - Research Associate and Associate Professor of Economics

II. EDUCATIONAL

A. Pre-University:

St. Vincent Boys' Grammar School
Kingston, St. Vincent, WI 1952-1958
Diplomas: Cambridge School Certificate (1956)
Cambridge Higher School Certificate (1958)

B. University:

(1) Undergraduate Education:

University College of the West Indies 1960-1963.
BSc. (Economics) - London University/University
College of the West Indies - 1963

(2) Graduate Education:

Inter-American Education, San German, Puerto Rico, 1963-1965
MBA - 1965
Areas - Management, Economic Theory, Quantitative Methods,
Economic Development

State University of New York at Buffalo, Buffalo, New York
M.A. (Economics) 1968
Ph.D. (Economics) 1974
Areas - Economic Theory, Quantitative Methods, Public Finance,
Monetary Economics, International Trade, Industrial
Organization, Economic Development

Ph.D. Dissertation - Public Policy, Import Substitution and Structural Change in the Industrial Sector of the Jamaican Economy, 1953-1969. Supervisor: Professor Mitchell Hartwitz.

- C. Special Training: Training Certificate - Special Training Seminar in Project Design and Evaluation. Sponsored by U.S. Agency for International Development - February 1978.

III. AWARDS: GRANTS, FELLOWSHIPS, ETC.

Caribbean Scholars Fellowship: Inter-American University of Puerto Rico, 1963-1965
 Faculty Research Fellowship - Research Foundation of the State University of New York, Summer, 1973
 Foundation Member Omicron Delta Epsilon (International Economic Honor Society) Chapter - State University College, Buffalo, New York, 1974.

IV. EXPERIENCE

A. Teaching

Associate Professor, Virginia State College, 1975 to date.
 Visiting Lecturer, University of Science and Technology, Kumasi, Ghana, West Africa. (October 1975 to June 1977).
 Assistant Professor, State University of New York College at Fredonia, 1963-1970
 Assistant Professor, State University of New York College at Buffalo, 1970-1974.
 Instructor, Jefferson Educational Centre - An Inner City Agency for Remedial Education, 1971-72
 Instructor, Bryant and Stratton Business Institute, Main St., Buffalo, New York, 1966-67.
 Graduate Teaching Assistant, Inter-American University of Puerto Rico, 1963-1965 and State University of New York at Buffalo, 1967-68.

(1) Courses Taught

(a) Undergraduate

Economic Theory, Elementary Statistics, Economic Development
 Economic Growth and Business Cycles, Money and Banking,
 Managerial Economics, Senior Seminar: Monetary Theory and
 National Economic Policy, Project Analysis.

(b) Graduate Courses

Economic Development, Macroeconomics, Managerial Economics

(2) Courses Developed

- (a) Managerial Economics, (1972)
 (b) Introduction to Business, (1973)

Both courses were developed at State University College, Buffalo, New York. These new courses were part of my contribution to the development of a business concentration in the Department of Economics.

- (2) Teach two courses in the Department of Agricultural Economics.
- (3) Participate in the planning of rural development conference at UST.
- (4) Serve as BERD's representative on the Link Management Board.
- (5) Co-ordinate the work of BERD's graduate research assistants visiting Ghana for executing thesis research.
- (6) Supervise the disbursements of research funds allocated to research projects at UST.

V. RESEARCH ACTIVITIES

A. Areas of Interest

Economic Development including Rural Development; Management Economics; Agricultural Finance; Project Design and Evaluation.

B. Current Research

- (1) Enterprise Combination and Capital Requirements in Northern Ghanaian Agriculture - Case Study of the Kumbungu District.
- (2) Introduction of Production, Harvesting and Processing Implements into the Rice Industry in Northern Ghana - Socioeconomic Aspects.

C. Published Research

- (1) Planning and the Role of Institutions - Proceedings of International Conference on Planning held at Virginia State College, July 1975.
- (2) An Analysis of Commercial Credit to Farmers in Pittsylvania County, Virginia. Monograph, Vol. IV, No. 4, 1976, Bureau of Economic Research and Development, Virginia State College.

D. Other Research Activities

(1) Unpublished

Toward a Theory of Fiscal Policy for Underdeveloped Countries, Department of Economics, State University of New York at Buffalo, 1968.

An Optimal Tax Structure for Developing Countries - Part I.,
Department of Economics, State University of Economics, State
University of New York, 1968.

Public Policy, Import Substitution and Structural Change in
the Industrial Sector of the Jamaican Economy, 1953-1969.
Doctoral Dissertation, Dept. of Economics, State University
of New York at Buffalo, 1974.

The revision of this study for publication was delayed as a
result of my assignment to UST, Ghana. The revision will
take on a broader scope. There is no specific time table
for this project at the moment. Industrialization and Take-
off in Less Developed Countries - The Case of Jamaica. As
a result of several useful comments from referees, this
paper is being revised for resubmitting to appropriate
journals.

(2) Planned Research Activities

- (a) Production and Marketing of Livestock in South Central
Virginia - Opportunities for Small Farmers. This is a
two-year study funded by Cooperative Research, USDA
Science and Educational Administration, (SEA/CR),
Currently serving as co-director of this project.
- (b) "Credit Programs and Policies for Small Scale Business in
South Central Virginia." During the second half of 1978,
I plan to give consideration to the investigation of the
nature and delivery of credit to small scale business in
South Central Virginia.
- (c) Socio-economic Impact of Intra-State Motor Carrier Regu-
lation on Rural Development - a two year study funded by
the U.S. Department of Transportation.

VI. Professional Affiliation

American Economic Association
National Economic Association
Society for International Development
- Washington, D.C. Chapter
Southern Regional Science Association

VII. Other Professional Activities

Co-ordinator - 3rd Annual Western New York Economic Conference,
held at State University College, Fredonia, New York, 1969.

Organizing Secretary: Rural Development Conference held at
University of Science and Technology (UST), Kumasi, Ghana,
April 1977. This conference was sponsored by:

- (1) Ministry of Economic Planning, Government of Ghana.
- (2) Pan African Institute for Development - Buea, Cameroons.
- (3) UST-VSC Linkage Program.

The organizing activities required co-ordinating the participation of professions from the U.S.D.A., Nigeria, Ghana, and Cameroons.

Chairman: Presentation Paper Session:

- (1) New York State Economic Association meetings held at State University College, Brockport, New York, Spring 1971.
- (2) African Studies Association Annual Meeting, State University College, Brockport, New York, Spring 1972.

Papers Presented and Addresses Given:

"Industrialization and Take-off in Less Developed Countries: The Case of Jamaica" 4th Annual Meeting of Western New York Economic Conference, Fall 1973.

"Economics and Institutional Racism" - Workshop on Institutional Racism at the State University of New York at Buffalo, February 1973.

"Planning and Role of Institution," International Planning Conference, held at Virginia State College, Petersburg, Virginia, July-August 1975.

"Import Substitution Problems of Industrial Development" - 6th Agricultural Conference, Faculty of Agriculture, University of Science and Technology, Kumasi, Ghana, April 1976.

Keynote address to the Faculty of Agriculture, University of Science and Technology: "Agriculture as a Tool for Fighting Inflation," February 1977.

Industrialization and Take-off in LDCs: Case of Jamaica Southern Regional Science Association Conference, Richmond, Virginia, March 13-14, 1978.

Papers Discussed:

Limits to Income Redistribution in a Democracy - Kelvin Lancaster (Columbia University) 24th Annual Meeting, New York State Economics Association, Hofstra University, Hempstead, Long Island, New York, Spring 1975.

"Economic Problems of the Ghetto" - W. K. Tabb representing New York State Council on Economic Education at Social Studies Convention, Rochester, New York, March 1973.

VIII. ADMINISTRATIVE ACTIVITIES

Member, President's Task Force on Social Development: State University College, Buffalo, New York, 1972-1974.

Member, Latin American Studies Steering Committee, State University College, Buffalo, New York, 1970-1974.

Chairman of the following Committees at BERD, Virginia State College.

Library Committee - (1975)

Personnel Committee - (1975)

Seminar Committee - (1977)

Served on Organizing Committee of Black Faculty and Staff Association, State University College, Buffalo, New York, 1973. Elected Treasure of the Association for two years: 1974.

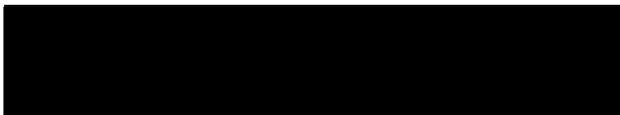
Served as faculty advisor during the formation period of Black Student Organization at State University College, Fredonia, New York, 1969-70.

IX. REFERENCES: On request.

RESUME

Emmanuel Turkson Acquah

Home Address:



Office: Bureau of Economic Research and Development
Virginia State College
Petersburg, Virginia 23803
Phone (804) 520-5613

Personal Data

Birthdate: [REDACTED], [REDACTED]
Marital Status: Married
Wife's Name: Sarah Constance Nipah
Citizenship: Ghana

Educational Background

Technical Training: January, 1963 - December, 1964
Kwadaso Agricultural Training College
Kwadaso-Kumasi, Ghana
Certificate in Tropical Agriculture

Undergraduate: February, 1969 - May, 1972
University of Maryland
Eastern Shore Campus
Major: General Agriculture
Bachelor of Science (Magna Cum Laude)

Graduate Program: October, 1972 - August, 1976
The Ohio State University
Columbus, Ohio
Major: Agricultural Economics
M. S. March 1976
Ph.D. August, 1976

<u>Fields of Study (Graduate)</u>	<u>Quarter Hours</u>
Economic Theory (Micro and Macro)	25
Quantitative Methods	22
Production and Resource Economics	31
Agricultural Economics (Marketing and International Development)	6
Electives (Math and other related courses)	25

Title of Dissertation: "Labor Productivity and Turnover in Manufacturing Industries: The Case of a Five County Region in Southeastern Ohio."

Employment Record

December 1964 - January 1969:

Instructor of poultry and livestock husbandry at Ejura Agricultural Training College, Ejura, Ghana. As a Ghanaian counterpart to U.S.A.I.D. Agricultural advisors attached to the college, I was involved in the planning, establishment and subsequent development policies of the poultry and livestock farm at the college. I was also in charge of (a) the poultry and livestock farm, (b) one-week workshop (each year) on modern poultry husbandry techniques for small farmers in Ejura area, and (c) resident students practical training (3 months in a year).

February 1969 - May 1971:

Student assistant (work-study program) to the farm manager of the University of Maryland, Eastern Shore Campus Farm. My responsibilities included: (1) Farm Record Keeping and (2) daily animal (livestock and poultry) production cultural practices.

June 1971 - May 1972:

Technical assistant Winton Gouge Hatchery in Princess Anne, Maryland. My duties included the supervision of the incubation sector and the egg room operations.

June 1972 - June 1975

Graduate Research Associate, The Ohio State University Department of Agricultural Economics. My responsibilities included review of literature, data collection and analyses for projects in the areas of: (1) Community Resources Development, (2) Human Resources Planning, and (3) Rural Development.

Major Advisor: Dr. Leroy Hushak

Resume (Acquah)

September 1975 - August 1976

Graduate Research Fellow, The Ohio State University Graduate School. I was responsible for the development and execution of two research projects which formed a substantial component of Rural Development studies in Southeastern Ohio, under the sponsorship of Ohio Agricultural Research and Development Center. The two studies focused on (a) Human Capital and Labor Productivity in Manufacturing Industries and (b) Labor Turnover (quit and layoff) Behavior of Manufacturing Production Workers.

September, 1976 to Present

Assistant Research Associate, Bureau of Economic Research and Development, Virginia State College, Petersburg, Virginia. My responsibilities include research in production and management of small farms and rural non-agricultural enterprises; and human resource development.

Current Research Projects

- (1) An Assessment of the Value of Farm Wives Woman Power in Agricultural Production in South Central Virginia.
- (2) Occupational Mobility and Human Resources Utilization in South Central Virginia.
- (3) Labor Turnover in Small Industries in South Central Virginia/Virginia.

Teaching and Service Activities

- (1) Economic Principles and Theory in the Department of Economics at Virginia State College. (Undergraduate level course).
- (2) Production and Farm Management in the Department of Agricultural Economics at Virginia State College. (Graduate level course).
- (3) Thesis Supervision:
Thesis: An Evaluation of Institutional Credit and its Role in Agricultural Production in Ghana (completed April, 1977).
Student - Agyapong Gyekye
- (4) Chairman: Seminar Planning Committee, BERD Virginia State College

Resume (Acquah)

(5) Member:

- a) Personnel Committee
 - b) Student Affairs Committee
 - c) Research Planning, Proposal and Review Committee
- BERD
Virginia
State College

Field of Interest:

My primary interest is in Resource Economics as it relates to rural development in less developed countries. I have research interest in designs and evaluation of public projects; Economics of Rural Education; and production analysis of small farms and other rural non-agricultural industries. My teaching interest is in Production Economics and Public Finance. Given my African background, I would welcome opportunities to work on rural development projects or programs in less developed countries (particularly English speaking African countries).

Awards and Scholastic Honors

Dean's Honor List, University of Maryland, Eastern Shore (UMES)
February, 1969 - May, 1972 (each semester).

Recipient of Chancellor's Scholarship, UMES, 1971 and 1972
academic years.

Phi Kappa Phi (National Honor Society) nominated in 1971.

Beta Kappa Chi (Scientific Honor Society) nominated in 1971.

Listed in "Who is Who Among Students in American Universities
and Colleges in American," 1971-72.

Recipient of a four-year Ph.D. University Fellowship, The Ohio
State University, May 1972.

Organizational Activities

President of Foreign Students Association, UMES, 1969-70 and
1970-71.

President of Future Farmers of American (FFA), UMES, 1970-71.

Chairman of General Assembly of Presidents of Organizations,
UMES, 1970-71.

Resume (Acquah)

I was appointed by the Chancellor of the University of Maryland, Eastern Shore (1971-72) to be a member of a Search Committee to fill the position of Vice Chancellor (Academic Affairs) at the University of Maryland, Eastern Shore Campus. The position was filled by one of the five applicants recommended by the Search Committee.

Vice President, Agricultural Economics and Rural Sociology Graduate Executive Committee, The Ohio State University, 1974.

The first President of Ghanaian Association of Columbus, Ohio, 1975.

Publications

- (1) Acquah, Emmanuel T. "An Assessment of Human Resources Utilization in South Central Virginia," Bureau of Economic Research and Development (monograph forthcoming, 1977)
- (2) _____ "A Descriptive Analysis of Natural Resources in South Central Virginia," Bureau of Economic Research and Development (monograph forthcoming, 1977)
- (3) Agyapong Gyekye, Emmanuel T. Acquah and Charles D. Whyte "An Evaluation of Institutional Credit and its Impact on Agricultural Production in Ghana, 1962-1971," Bureau of Economic Research and Development (monograph forthcoming, 1977)
- (4) Acquah, Emmanuel T. and Leroy Hushak, "Human Capital and Labor Turnover in Manufacturing Industries: The Case of an Economically Depressed Region in South Eastern Ohio." Economics and Sociology Occasional Paper No. 405, The Ohio Agricultural Research and Development Center and The Department of Agricultural Economics and Rural Sociology, The Ohio State University, March 1977.

Unpublished Materials

- (1) Acquah, Emmanuel T., A Micro Application of Specific Human Capital to Quit and Lay off Rates, to be submitted to The Journal of Political Economy for consideration,
- (2) Acquah, Emmanuel T. and Leroy Hushak, "Labor Productivity and Turnover in Manufacturing Industries: The Case of a Five County Region in Ohio," a paper submitted to The Southern Journal of Agricultural Economics for consideration, May, 1977.

Resume (Acquah)

References

<u>Name</u>	<u>Position</u>	<u>Address</u>
1. Dr. Leroy Hushak	Associate Professor	Department of Agricultural Economics. The Ohio State University, Columbus, Ohio 43210 Phone: (614) 422-6731
2. Dr. Norman L. Ulsaker	Agricultural Economist U.S.A.I.D.	Department of State New State - A.I.D. AFR/DR/ARD Room 3530-A Washington, D. C. 20523 Phone: (202) 632-9853
3. Dr. Francis Walker	Professor	Department of Agricultural Economics. The Ohio State University, Columbus, Ohio 43210 Phone: (614) 422-6731
4. Dr. William Wayt	Professor	Department of Agricultural Economics, The Ohio State University, Columbus, Ohio 43210 Phone: (614) 422-2821
5. Dr. Joseph Wutoh	Professor in Charge	Delmarva Marine Products Laboratory-Center for Environmental and Estuarine Studies, University of Maryland, Crisfield, Maryland 21817 Phone: (301) 968-1655

R E S U M E

FRANKLIN C. MOORE

1. EDUCATION:

A. GRADUATE:

University of Wisconsin -- Madison
Madison, Wisconsin

- (1) M.S. Agricultural Economics 1975
- (2) Certificate in African Studies 1976
- (3) Current Academic Status: Ph.D. in
Development Studies
- (4) Graduate Minors: Afro-American Studies, History
- (5) Thesis Title: The Development of Land Tenure
in the Ashanti Region of Ghana
- (6) Dissertation Title: The Political Economy
of Food Marketing in Ghana: 1972-1976

The study will concentrate on the structure, conduct and performance of the food marketing sub-sector of the Ghanaian economy as it attempts to implement the self-reliant food system known as "Operation Feed Yourself." It will center around an analysis of the functioning of the Ghana Food Distribution Corporation because of the government's choice of state, corporations as the institution to dominate in the process of the liquidation of underdevelopment.

- (7) Graduate Awards: Ford Foundation Doctorial
Fellowship for Black Americans.
- (8) Graduate Program Committee:

Willard F. Mueller, Chairman
Marvin Mircle
M. Crawford Young
Fred Haywood

- (9) Other Activities: National Conference of Artists
Executive Board, 1975-present.
Conference Presentation 1974: The Afro-American
Aesthetic in Historical Perspective.

B. UNDERGRADUATE: Yale University
New Haven, Conn.

- (1) B. A. Economics 1971
- (2) Senior Topic: International Business and Banking
Development: A Study of Ghana from 1957-1966.
- (3) Published: Renaissance 2, A Journal of Afro-American
Studies.
- (4) Minor: Art History (African and American Concentrat
- (5) Academic Awards: National Science Foundation Summer
Fellowship in Economics 1970.

SECONDARY: Shady Side Academy - 1967
Pittsburgh, PA

OTHER TRAINING: June, 1976 Agency for International Development Project
Design and Evaluation Seminar.

EMPLOYMENT EXPERIENCE:

Assistant Research Associate, Bureau of Economic Research and Development
Virginia State College: January 1976 - Present.

Research Analyst. Corporate Development Division, Dayton Hudson Corpo-
ration, Minneapolis, Minnesota: June 1972 - December 1972.

Director of the Afro-American Cultural Center at Yale: Academic Year
1971-72.

RESEARCH:

Agricultural Marketing and the Small Farmer in South Central Virginia.

Agricultural Marketing in Ghana.

TEACHING EXPERIENCE:

Seminar Instructor: The Coming of Age of Africa - The Political, Economic,
and Social Transformation. Fall 1976.

Course Instructor: The Management of Non-farm Agricultural Business;
Agriculture Department, Virginia State College:
Fall 1976.

Seminar Instructor: Agricultural Price and Price Making, Agriculture
Department, Virginia State College: Spring 1976.

C. Teaching Assistant: Afro American Art History, University of Wisconsin
Spring 1974 and 1975.

D. Teaching Assistant: African and Afro-American Art History, Yale: Spr
1971 and 1972.

5. PROFESSIONAL ORGANIZATION MEMBER:

African Studies Association
National Conference of Artists

6. PERSONAL

A. Current Age: 27
B. Place and Date of Birth:
C. Marital Status: Single
D. Health: Excellent

7. CURRENT MAILING ADDRESS:

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Virginia State College
Petersburg, VA 23803

PROFESSIONAL VITA

JANET C. TUTHILL

Bureau of Economic Research and Development
Virginia State College
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Petersburg, Virginia 23803

Tel: 804-520-5613

I. GENERAL INFORMATION

Date of Birth:

Citizenship: U. S.

II. EDUCATION

M.A. (International Studies) Graduate School of International Studies
University of Denver, Denver, Colorado, 1975.

B.A. (French) College of William and Mary, Williamsburg, Virginia 1971.

III. EMPLOYMENT

Assistant Research Associate, Bureau of Economic Research and Development, Virginia State College, Petersburg, Virginia. Duties include: maintaining resource center for the Bureau, responding to research information requests by staff members and other institutions, assisting in proposal and project design, editing quarterly newsletter, initiating and expanding contacts with research groups in LDCs, conducting research on voluntary agency development assistance, March 1977 to date.

Co-investigator on research project examining West African drought relief of United Nations and voluntary Agencies. Joint grant from U.S. Agency for International Development and U.S. Department of State administered by Bureau of External Research, U.S. Department of State. Interviewed voluntary agency and U.N. personnel in U.S., Europe and West Africa (Senegal, Mali, Upper Volta, Niger) and completed major report based on findings. 1975-76.

Acting managing editor STUDIES IN RACE AND NATIONS, Center on International Race Relations, University of Denver, 1974. (Summer)

Teacher, Advanced French, York High School, Yorktown, Virginia, 1971-73.
Faculty director, student government activities and member faculty review committee for state school evaluation report. York High School, Yorktown, Virginia, 1971-72.

IV. SPECIAL ASSIGNMENTS

Nov-Dec. 1977. Served as Project Design Officer for Agricultural Human Resources Development Design team from South-East Consortium for International Development (SECID) in Upper Volta. Responsible for production

of 200 pp. project paper for USAID. Worked closely with other members of design team collecting data for complete agricultural education curriculum assessment including field visits in Upper Volta as well as final design of \$9.3 million 5-year project.

January 9-11, 1978. Represented SECID at conference on Role of Women in Meeting Basic Food and Water needs in Developing Countries sponsored by Consortium for International Development, University of Arizona, Tucson, Arizona.

V. OTHER EMPLOYMENT

French-English translation of Malian national's court testimony for Arapahoe County Courts, Littleton, Colorado, July 1976.

English-French translation of research proposal for International Division, Denver Research Institute, Denver, Colorado, June 1976.

Consultant for African Studies curriculum, Gifted Children Program, Littleton Public Schools, Littleton, Colorado, February 1977.

Student Assistant to the Dean, Graduate School of International Studies, University of Denver. Publicity for guest speakers, special events and production of newsletter. Publicity and distribution of Monograph Series in World Affairs, 1974-75.

Reclassification of library materials from Dewey to Library of Congress system Catalog Department, College of William and Mary, Williamsburg, Virginia. 1970.

VI. AWARDS: GRANTS, FELLOWSHIPS

Graduate School of International Studies, University of Denver. Full fellowship 1974-75.

U.S. Department of State and Agency for International Development. Joint grant with Barbara J. Brown for \$25,000 for research on West African drought relief.

VII. CONFERENCE PARTICIPATION

Chairperson for panel "Transnational Interaction in Development: The Role of non-Governmental Voluntary Agencies", International Studies Association Annual Conference, Washington, D. C. February 22-26, 1978.

VIII. SPECIAL SKILLS

French (fluent written and spoken), French translation, curriculum development, editing, project design.

IX. RESEARCH

A. Areas of Interest

African Studies, Development, International Organization, voluntary agency development assistance.

Publications:

"International Disaster Response: The Sahelian Experience" with B. Brown, E.T. Rowe, U.S. Department of State, June 1976.

C. Current Research:

U.S. Voluntary Agency Assistance in Food Production and Agriculture in Sub-Saharan Africa

X. PROFESSIONAL ASSOCIATIONS

International Studies Association
Association of American University Women

REFERENCES

Dr. David Shear, Director
Office of Sahel and Francophone
West African Affairs
Agency for International Development
Washington, D. C. 20523
(202) 632-8269

George W. Shepherd
Professor of African Studies
Graduate School of International Studies
University of Denver
Denver, CO 80210
(303) 753-2755

Professor J. Luke Martel
Department of Modern Languages
College of William and Mary
Williamsburg, VA 23185

Professor Nathan Altschuler
Department of Anthropology
College of William and Mary
Williamsburg, VA 23185

Dr. John P. DeGara
UNITAR
UN Plaza
New York, N.Y. 10017
(212) 754-1234, Ext. 4583

Mr. Claude W. Milam, Principal
York High School
Yorktown, VA 23690
(804) 898-5431

Mr. Donald Clark
Design and Evaluation Officer
Ouagadougou/ID
U.S. Agency for International Development
Washington, D. C. 20521

Personal Information

Name:

Dr. Frederick S. Lesnett

Home Address:

Office Address:

Virginia State College
Petersburg, Virginia 23803
Telephone (804) 520-5511

Date of Birth:

Citizenship:

United States

Marital Status:

Married

Language:

French - High School Level - 3 years
College Level - 2 years

Academic Training

<u>Degree</u>	<u>Graduation</u>	<u>Major</u>	<u>School</u>
B.A.	1969	Sociology	Slippery Rock State College
M.A.	1971	Sociology	Kent State University
Ph.D.	1975	Sociology	Purdue University

Professional Information

Research Experience:

May 1976 - August 1976 and June - August 1977. Assistant Research Associate for the Bureau of Economic Research and Development. Basic duties included the conducting of research on the sociological factors which affected the labor force activity of the subjects sampled in the Rural Manpower Study - Virginia State College.

July 1974 - July 1975. Research Associate for the Gary Income Maintenance Experiment. Basic duties included data cleaning, troubleshooting, and research on an FY deliverable - Indiana University.

June 1972 - August 1972 and July 1973 - August 1973. Research Assistant to the Co-Principal Investigator of the Gary Income Maintenance Experiment. Basic duties included an exhaustive review of the literature on the social and the economic aspects of a negative income tax and the formulation of a sociological plan of study on labor supply - Indiana University.

Teaching Experience:

September 1975 - Present. Assistant Professor in the Department of Sociology. Basic duties include the teaching of: Introductory Sociology, Introduction to the Social Sciences, Social Problems, Sociological Methods, and Marriage and the Family - Virginia State College.

September 1976 - March 1977. Adjunct Faculty Member. Basic duties included the teaching of Introductory Sociology I and II in an adult evening course - John Tyler Community College.

September 1971 - June 1972. Teaching Assistant for three sections of Marriage and the Family. Basic duties included the preparation and the presentation of daily lectures, plus examination and grading - Purdue University.

Administrative Experience:

May 1976 - August 1976. Interim Co-chairperson in the Department of Sociology. Basic duties included co-chairing the departmental steering committee and administering to the day-to-day needs of the department until a permanent chairperson was recruited - Virginia State College.

General Experience:

September 1973 - May 1974. Teaching Assistant for Man and His Models, a computer simulation course - Purdue University.

September 1973 - May 1974. Teaching Assistant for Introductory Statistics - Purdue University.

September 1972 - June 1973. Teaching Assistant for the Sociology Department's Statistics Lab - Purdue University.

September 1970 - May 1971. Counselor for juvenile delinquents. Basic duties included the counseling and the supervising of juvenile delinquents in one-to-one and group situations - Warrendale Youth Development Center.

September 1969 - August 1970. Research Assistant in the Department of Sociology - Kent State University.

Awards:

Summer 1973. David Ross Fellowship - Purdue University

Professional Societies:

American Sociological Association

Alpha Kappa Delta - Honorary Sociological Fraternity

Phi Gamma Mu - Honorary Social Science Fraternity

Kappa Gamma - Honorary Speech Fraternity

Seminars Attended:

Multivariate Research Methods and the BMD Statistical Package of Computer Programs. January 12-16, 1976. Sponsored by the University of Delaware: College of Business and Economics and Division of Continuing Education.

EXPER SIM Workshop on Computer Simulation Assisted Teaching. May 13-15, 1976. Sponsored by the EXXON Foundation under their IMPACT program.

Unpublished Papers:

"A Comparative Socioeconomic Profile of the Household Heads in the Rural Manpower Study." Monograph prepared for the Bureau of Economic Research and Development.

"The Self-Esteem of Adolescent Boys Between the Ages of 11 to 16 From an Inner City School, A Suburban School, A Rural School, and a Correctional Institution" Master's Thesis - Kent State University.

"An Exploratory Review of the Effects of Various Sociological Variables and a Negative Income Tax on the Changes in Labor Supply of Urban Black Males" Ph.D. Dissertation - Purdue University.

"Factors Affecting The Labor Supply in South Central Virginia" paper presented at the 1978 annual meeting of the Virginia Association of Economists.

Unpublished Bibliography:

"A Selected List of Annotated References on the Guaranteed Income, the Negative Income Tax, and the Labor Force Participation of Low-Income Individuals" Prepared for the Gary Income Maintenance Experiment.

References:

Dr. Andy B. Anderson
Department of Sociology/Anthropology
University of Massachusetts
Amherst, Mass.

Dr. Robert Perrucci
Department of Sociology/Anthropology
Purdue University
West Lafayette, IN 47907

Dr. Paul Sites
Department of Sociology/Anthropology
Kent State University
Kent, OH 44240

SAMUEL K. MOAK

ADDRESS:

Office: Department of Business
Administration
Virginia State College
Petersburg, Virginia 23803
Telephone (804) 520-6630

Home:

PERSONAL DATA:

Birthdate :
Birthplace :
Height : 5'8"
Weight : 150
Health : Excellent
Marital Status : Married
Religious
Preference : Presbyterian
Nationality : U.S. Citizen

EDUCATION:

Colorado State University	1959	B.S. (Economics and Marketing)
University of Kentucky	1962	M.S. (Economics and Statistics)
North Carolina State University	1966	Ph.D. (Economics and Marketing)

PROFESSIONAL EXPERIENCE:

1954-1956 Instructor of Military Science
The Infantry School
Fort Benning, Georgia

1963-1965 Research Assistant
University of North Carolina, Chapel Hill, North Carolina

1965-1966 Instructor of Economics & Marketing
North Carolina State University, Raleigh, North Carolina

1966-1967 Assistant Professor of Economics & Marketing
Campbell College, Buies Creek, North Carolina

1967-1974 Associate Professor of Economics & Marketing
The Graduate School, University of Richmond, Richmond, Virginia

1974-1975 Professor of Business Administration
Virginia State College, Petersburg, Virginia

1975-1976 Professor and Chairman, Department of Business Administration
Covenant College, Lookout Mountain, Tennessee

Adjunct Professor of Marketing
University of Tennessee at Chattanooga, Tennessee

1976-Now Professor of Marketing
Virginia State College, Petersburg, Virginia

Director, Small Business Institute

Research Associate, Bureau of Economic Research and Development

Coordinator, Marketing Program

TEACHING SUBJECTS:

Marketing Management
 Marketing Research
 Statistics
 Advertisement
 Small Business Management

Macroeconomics
 Microeconomics
 Business Finance
 Salesmanship
 Retailing

PROFESSIONAL AND HONORARY SOCIETIES:

American Marketing Association
 Southern Marketing Association
 Richmond Marketing Chapter
 American Economic Association
 American Agricultural Economic Association
 International Association of Agricultural Economics
 Atlanta Economic Association (Charter Member)
 Virginia Social Science Association
 Korean Christian Scholars Association

Beta Epsilon Honor Society (Business & Economics)
 Gamma Sigma Delta
 B.S. degree (Honors)

MILITARY SERVICE:

Republic of Korea Army as a Captain (1950-1956)

CIVIC ORGANIZATION:

Lion's Club of Chester, Virginia
 Chesterfield Recreation Association

He is listed in Who's Who in the South and Southwest, 12th edition;
International Scholars Directory, 1973, and American Men and Women of
 Science, Economics, 1974.

SAMUEL K. MOAK

MAJOR PUBLICATIONS:

Articles:

- "Devaluation of the British Pound," Reverie (Richmond, Virginia: University College. May, 1968). pp. 41-49
- "A Review of Forean Agricultural Policies," Asian Forum Vol. 1, No. 2 (Washington, D.C.: April, 1969). pp. 13-21
- "An Investment Model for a Developing Economy," The Korean Economist, Vol. IV, No. 1 (Washington, D.C.: June, 1969). pp. 62-65
- "The Future of Tobacco Irrigation," Chapter 8, in G.S. Tolley (ed.) Study of U.S. Agricultural Adjustment. API Series, 48. North Carolina State University (Raleigh, North Carolina: 1970). pp. 275-319
- "Consumption Behavior of the Doughnuts in Richmond," Virginia Social Science Journal, Vol. 8, No. 1 (April, 1973). pp. 31-37
- "The Christian in the Military Forces in Modern Times," Nederlandse Christen Officieren Kring (Oegstgeest, Neetherlands. Special Issue nr 147. June, 1973). pp. 14-16
- "Locational Differentials in Farm Income," Atlantic Economic Journal, Vol. 1, No. 1. An Abstract (November, 1973). p. 65
- "Farm Management and Incentive Problems in North Korean Collective Farms," Asian Profile, Vol. 1, No. 3 (Hong Kong, BCC: December, 1973). pp. 449-456
- "North Korea's Agricultural Policies in Collectivization," Journal of Korean Affairs, Vol. III, No. 4. (Washington, D.C.: January, 1974). pp. 25-36
- "Projecting the Demand for and Price of the Home Heating Fuels in Virginia," Virginia Social Science Journal, Vol. 9, No. 2 (November, 1974). pp. 65-70
- "Entrepreneurship to Black College Students," The Proceedings of Annual Conference of Small Business Institute Director's Association, San Antonio, Texas: 1978.

Books & Monographs:

The Church Finance (Seoul, Korea: Jung Yeon Publishing Company, 1968). xiii + 327 pp.

Macroeconomics in the Modern Environment (Richmond, Virginia: The University of Richmond, 1973). ix + 270 pp.

Marketing System of the Socialistic Farms: North Korea (Richmond, Virginia: The University of Richmond, 1974). v + 115 pp.

Marketing Structure of South Central Virginia (Petersburg, Virginia: Bureau of Economic Research and Development, Virginia State College, 1976) iv + 49 pp.

Manufacturing and Service Activities in South Central Virginia Bureau of Economic Research and Development. Virginia State College, Petersburg, Virginia. 1978 (forthcoming)

Agricultural Activities in South Central Virginia. Bureau of Economic Research and Development. Virginia State College, Petersburg, Virginia. 1978 (forthcoming)

Marketing Structure and Performance by County in South Central Virginia. Bureau of Economic Research and Development. Virginia State College, Petersburg, Virginia. 1978 (forthcoming)

RESUME

Samuel Kojo Andoh

BUREAU OF ECONOMIC RESEARCH AND DEVELOPMENT
Virginia State College
Box W
Petersburg, Virginia 23803
Telephone (804) 520-5613

I. General Information

Date of Birth:
Citizenship: Ghana

II. Education

B.A. (Social Sciences) University of Science and Technology
Kumasi, Ghana 1976.

M.A. (Development Economics) Candidate, Virginia State College.

III. Employment

August 1971 - October 1973 - Standard Bank Ghana Ltd
Takoradi - Bank Clerk and Cashier.

Long vacation 1974 - Regional Economic Planning - Takoradi
Compiling data on the Western Region of Ghana.

Long Vacation 1975 - Ghana Timber Marketing Board - Takoradi Research
Department.

Long Vacation 1976 - Kumasi Brewery Ltd - Kumasi, Ghana.
Did field work for KBL survey on the "Beer
Drinking Habits of Certain Locations in Ghana".

Sept 1976 - October 1977- Bank of Ghana Accra.
Officer in Charge of the Business
Intelligence Unit and Credits
Guarantee Claims.

October 1977 - present Graduate student Research Assistant
BERD - Virginia State College.

IV. Awards

Bank of Ghana Scholarship for undergraduate studies in Ghana - 1973-1977

UST/VSC linkage award for graduate studies in Economics VSC 1977.

V. Current Research

"Economic Viability of Small Scale Farms in the First Zone of Ashanti
Ghana" for masters thesis.

VI. Language/Travel

French (read and written) not very fluent. Togo.

PERSONAL INFORMATION

Name:	Quanda Lonzetta Cooper	Age:	23
Home Address:	[REDACTED]	Sex:	Female
Telephone:	[REDACTED]	Marital Status:	Single
Work Address:	BERD P. O. Box E Virginia State College Petersburg, VA 23805	Birth Date:	[REDACTED]
Telephone:	(804) 533-5615	Height:	5'4"
		Weight:	135
		Health:	Good
		S.S.#:	229-76-9408

EDUCATION

College: Virginia State College, Petersburg, VA 23805
M.A. in Economics
Expected Completion Date: May 1979

Virginia State College, Petersburg, VA 23803
B.A. Degree Major: Political Science Minor: History

High School: Central High, Sussex, VA
Diploma: June 1972

EMPLOYMENT EXPERIENCES

Jan. 1978 to Present SEA/CR (USDA/Science and Education Administration/Cooperative Service. My duties include assisting research associates with a project entitled, "Production and Marketing of Livestock in South Central Virginia: Opportunities for Small Rural Farm Units."

1977 Country Side Inn. Desk Clerk. My duties were to check guests in and out of the motel rooms. To calculate the sale of food and drinks from the restaurant and bar. I operated the phone system for incoming and outgoing calls. I ordered stock for the guests (toothpaste, playing cards, etc.)

1976-1977 First and Merchants' Center. Accounting Clerk. My duties were to collect the processed checks from the computer operators. The checks were proofread for damage or misprint. The checks were run through a 1490 computer sorter to the designated slot for each bank's work that F & M handled. Any checks that did not print out on a computer sheet were keypunched into an old machine and the final print-out sheet was ready to be settled with the banks' print-out sheet. If there were any deletions or additions to the print-out, the checks had to be researched.

EMPLOYMENT EXPERIENCES CONT'D

in other departments. If the check missing had not been located, a duplicate debit or credit was made up for it. The work is then sent to be bound and distributed to the designated bank.

- 1975-1976 Sears Roebuck. Sales Clerk. My duties were to sell merchandise, to order stock and to keep the merchandise in order.
- 1974-1975 Virginia State College, Political Science Department. Clerk Typist. My duties were general office work - typing, filing, answering the telephone and sorting the mail.
- 1973-1974 Fort Lee. Student Personnel. My duties were general office work - typing, filing military folios, and answering the telephone

AWARDS AND HONORS

- Certificates:** Certificate for Forensic Club
Certificate for Choral Music
Certificate for Sigma Rho Sigma
- Awards:** Membership award for Sigma Rho Sigma - History Club
Award for 2nd place in Forensic's Meet
Award for 2nd place in Choral Music Tournament
Academic Award for Freshman year
Academic Award for Junior and Senior Year (Honor Roll)
in Central High School
- Honors:** Freshman Runner-Up in Miss Central High Contest
Treasury-Taps-Virginia State College
Political Organizer - Campaign for Edwin Robinson -
Treasury - Surry County, VA

RESEARCH INTEREST AND ACCOMPLISHMENTS

- (A) My interests include a complete study of Sussex County-- Education, Agriculture, and its Government.
- (B) Senior Thesis--A Case Study: The Political Discrimination Between Minority Personnel and Administration (Music Department, Central High, Waverly, Virginia)

ORGANIZATIONS

- (1) Junior Choir--Union Hill Christian Church
- (2) Bible Instructor--Junior Class
- (3) Political Organizer--Campaign for Edwin Robinson--
Treasury-Surry County, Virginia
- (4) Assistant Secretary--Sunday School
- (5) Delegate for Sunday School Union - Sedley, Virginia

REFERENCES: AVAILABLE UPON REQUEST.

RESUME

MAGID A. DAGHER

[REDACTED]

[REDACTED]

PERSONAL

[REDACTED] [REDACTED], Single, Excellent Health

EDUCATION

9/77 - Present. Virginia State College. Completed 24 hours of graduate courses in economics, and I am beginning work on my master's thesis.

1972. St. John Fisher College. B.A. in Sociology-Biology.

PROFESSIONAL EXPERIENCE

9/77 - Present. Virginia State College, Petersburg, VA

Worked as Research Assistant with the Bureau of Economic Research and Development. Worked closely with one of the Research Associates, who is doing studies on rural development in Ghana. Also, assisted with miscellaneous tasks: researching materials in the library, compiling data, making up tables, tutoring and photocopying.

State University College
Brockport, New York

9/75 - 8/77

Assigned to the Educational Opportunity Center in downtown Rochester, New York. Worked as full-time counselor to educationally and economically disadvantaged students of Nursing and Cosmetology. Provided socio-personal, academic, career, and exit counseling. Worked closely with job placement counselor in placing students. Did trimester reports for coordinator of Student Personnel Services. Served on search and screen committee for various positions.

State University College
Oswego, New York

1/75 - 8/75

As Counselor with the Office of Special Programs (OSP), reported to the Director. Wrote job performance program. Wrote proposals for lecture series. Helped develop OSP Masterplan. Designed student data forms and counseling contract cards. Compiled end-of-semester, summer and annual reports. Coordinated academic advisement for

State University College (Cont'd)
Oswego, New York

1/74 - 8/75

lower division Educational Opportunity Program (EOP) students. Provided socio-personal, academic, career and exit counseling for EOP students. Developed college orientation and survival course for incoming OSP freshmen. Represented OSP at conferences at Michigan State University ("Second National Conference on Counseling Minorities"), St. Lawrence University ("The American Indian Student in Higher Education"), Syracuse ("Special Programs Personnel Association") and Yonkers ("A Chance to Be Somebody"). These personal achievements have been in addition to my responsibility for counseling 170 EOP students.

State University College
Oswego, New York

8/72 - 12/75

As Tutor-Counselor with the Office of Special Programs (OSP) reported to the Assistant Director. Tutored students in sociology on three levels - individual, small group and large group. Performed as Teaching Assistant in both summers of 1973 and 1974. Initiated problem-solving sessions for staff. Worked on Committee on Special Admissions. Underwent inservice training and participated in numerous workshops on tutoring and counseling. Attended conferences at SUNY - Buffalo ("Student Personnel Conference") and Syracuse ("Institute on Innovative Teaching and Counseling"). Handled the counseling and advisement for 35 students.

Rochester Institute of Technology
Rochester, New York

7/70 - 8/72

Worked part-time, while attending college, as Tutor and Tutor-Supervisor. During summers of 1971 and 1972 employed as dorm counselor to Upward Bound Students. Taught an elementary algebra course and also a course in general biology. Developed activity calendar.

GENERAL
ABILITIES

Creative, Resourceful, Purposeful, Adaptable, Sensitive

OTHER
INTERESTS

Tennis, Track, Soccer, and Current Events

ORGANIZATIONS

American Economic Association and National Economic Association

REFERENCES

Furnished upon request.

Samuel Bernard Graham

Telephone: [REDACTED] [REDACTED]

Marital Status: Married
Weight: 160 lbs.

Height: 6'1"
Birthdate: [REDACTED]

Professional Objectives: I would like to work with a government or private agency concerning economic development issues in Less Developed Countries or in rural and urban areas within the United States. I am interested in a job that I can obtain practical work and field experience in all aspects of granting Aid and designing developmental programs in Less Developed Countries and problem areas within the United States. One day I would like to combine my work experience and educational background to become a consultant in Economic Development Planning.

Education: Virginia State College, Petersburg, Virginia
M.A. Candidate in Economics Concentration: Economic Development Planning
Graduation Date: August 1978

Hampton Institute, Hampton, Virginia
Major: Economics Minor: Business Management
Graduated August 1975 - B.A. degree in Economics

Virginia Union University, Richmond, Virginia
Major: Business Administration
Dates attended: August 1971 December 1972

Hampton High School, Hampton, Virginia
Graduated June 1971 Major: Mechanical Drawing

Experience: Research Assistant, Bureau of Economic Research and Development (BERD) Virginia State College. Duties include: data collection and tabulation; analysis for ongoing BERD socio-economic research activities; preparation of seminar presentations and lectures; and formulation of proposals and reports. Also, Assistant Editor - BERD's EYEVIEW.
Sept. 1977 to Present BERD's EYEVIEW is a quarterly publication of socioeconomic research activities conducted by BERD Research Associates. Duties include: writing and editing articles for publication; locating and organizing articles from BERD Research Associates; and taking pictures for BERD's EYEVIEW magazine.

Planning Inspector, Henrico County, Henrico County, Virginia.
Duties included: review and inspects condition of use permits, plans of development and certifies of occupancy; investigates zoning complaints and enforces zoning ordinances; make periodical inspections of quarry and gravel operations; and work on a daily basis with contractors, land owners and developers to secure compliance with approved plans and permits concerning subdivision and site plans.
July 1976 to Sept. 1977

Zoning Inspector, James City County, Williamsburg, Virginia.
Duties included: to assist land developers in James City County
Oct. 1975 and to familiarize him/her with zoning requirements and zoning
to boundaries; review and comment on proposed commercial and sub-
July 1976 division site plans; to assist the Chief of Current Development
in the routine performance of his duties; to administer the
interpretation of Zoning Ordinance; and to administer the issuance
of certificates of occupancy.

Scholarship: Graduate Research Assistantship/monthly stipend plus tuition,
Bureau of Economic Research and Development, Virginia State
College, September 1977.

Military Classification: 1-H.
Service:

Conferences attended: American Economic Association/National Economic Association annual
meeting December 28-30, 1977 New York Hilton, New York City, N.Y.

Seminar for Local Rural Officials and Community Leaders March 22-23,
1978 Ramada Inn, Petersburg, Virginia.

Virginia Association of Economists annual meeting March 30-31, 1978
Hyatt House, Richmond, Virginia.

Professional Organizations: American Economic Association
National Economic Association

PROFESSIONAL VITA

Emmanuel Agyeman Gyawu

BUREAU OF ECONOMIC RESEARCH AND DEVELOPMENT
 Virginia State College
 Box W
 Petersburg, Virginia 23803
 Telephone: (804) 520-5613

1. General Information

Date of Birth: [REDACTED]
 Citizenship: Ghana

2. Education

B.Sc (Hons) Land Economy, University of Science and Technology
 Kumasi, Ghana

3. Employment

- August 1977 - Present: Graduate Research Assistant
 BERD
 Virginia State College
 Petersburg, Virginia 23803
- 1976-77 (Sept.-July) Teaching Assistant, Department of Land Economy,
 University of Science and Technology, Kumasi, Ghana
- 1976 (Aug.-Sept.) Bank for Housing and Construction, Accra Estate
 Department: Was involved in property valuation
 and advising on mortgage loans.
- 1976 (June-July) Land Administration Research Center, University of
 Science and Technology, Kumasi, Ghana. Dealt with
 data analysis and writing of report on Customary
 Land Tenure Systems in Ghana.
- 1975 (July - Sept.) Land Administration Research Center, University of
 Science and Technology, Kumasi, Ghana. Took part in
 primary data collection of the project "Land Tenure
 Systems and Customary Land Laws in Ghana".
- 1974 (July-Sept.) Lands Department, Kumasi, Ghana. Worked on the
 valuations of landed properties in the Region.
- 1973 (July-Sept.) University of Science and Technology, Kumasi, Ghana
 Estate Office. Worked as an Assistant Estate Officer.

Emmanuel Agyeman Gyawu

Employment (cont'd)

1971 (Sept) - 1972 (Sept): Teacher, Teacher's Training College
Ajumako, Ghana.

1969 (Sept) - 1971 (Aug.): Teacher, Elementary School, Kumawu, Ghana

Administrative Experience

1976 (Oct) - 1977 (June) Academic Tutor, Department of Land Economy and
Estate Management, University of Science and
Technology, Kumasi, Ghana.

1971 (Sept) - 1972 (Sept) Housemaster, Teacher's Training College,
Ajumako, Ghana.

4. Awards: Grants, Fellowship

Currently on USAID/BERD/UST Assistantship for masters program at Virginia
State College, Petersburg, Virginia

5. Conference Participation

Attended the Commonwealth Association of Surveying and Land Economy
conference held in Accra, February 1977.

6. Research

A. Areas of interest:

Economic Development with special interest in Agricultural Production,
Land Tenure Systems and Rural Development in Less Developed Countries.

B. Current research:

Customary Land Tenure Systems in relation to Agricultural Production in
Ghana.

7. Professional Associations

Ghana National Association of Teachers.

RESUME

William R. Jackson, Jr.



Home Telephone #: [Redacted]
Work Telephone #: (804) 520-561

Personal Married 6'0" 160 lbs. Born: [Redacted]

Professional Objective Economist; Managerial analyzation and consultation of public agencies or private industries to promote efficient utilization of land, human, and industrial resources.

Education College: Virginia State College
Status: M.A. Candidate (Expected Completion - 5/79)
Major: Economics; Concentration: Development Planning

College: Hampton Institute
Degree: Bachelor of Arts (5/76)
Major: Economics Minor: Mathematics

Work Experience
Jan. 1978 to Present

USDA/Science and Education Administration/Cooperative Research (SEA/CR) Graduate Research Assistant, Bureau of Economic Research and Development (BERD). Current research activities, of which I will develop a thesis topic, will involve the evaluation of the livestock production and market potentials of Small Rural Farm Units in South Central Virginia. The research procedure will include the collection of primary and secondary data from various sources and analyses of the data through the use of linear programming, regression and spatial equilibrium models. I am also providing assistance for ongoing socio-economic research activities conducted by the BERD in addition to writing articles for their publication, the BERD's EYEVUEW.

Nov. 1977 to Dec. 1977

Central Telephone Company, Hickory, NC.
Business Office Supervisor, Phase II - MRD (Management Resource Development Program). Responsible for the supervision of nine employees, the collection of business accounts, and the general operation of the business office. Coordinated the activities of the public contact personnel with other segments of the business. Audited collection procedures and accompanied the office teller to the local bank daily to deposit collections from the previous day's activities. Personally contacted customers for treatment of past due accounts and developed performance objectives for office personnel.

April 1977 to Oct. 1977

Marketing Staff Assistant, Phase I - MRD
Assigned to a special marketing manpower project to assess the feasibility of establishing an intermediate level sales force to process small business accounts. Output included estimated manhours, estimated costs, realized savings, productive capacity, suggested framework for initiation of project, rules and guidelines, and overall project design and scheduling. Involved extensive interviewing with company personnel, travel and analysis of similar projects in other divisions of the company.

- Aug. 1976
to
March 1977
- Central Telephone Company
Marketing Assistant. Duties included the following: Gather statistical information and develop reports and graphs to show trends in sales, revenue, and manhours for forecasting and budgeting purposes. Analyze monthly sales activities and prepare comparative analysis. Develop annual operating budget for the Marketing Department. Process special service requests and coordinate with the Plant and Engineering Departments.
- June 1975
to
Dec. 1975
- Federal Deposit Insurance Corporation, Richmond, VA
Assistant Bank Examiner. Participated in the work-study (co-op) program with FDIC as a trainee bank examiner and performed the following as involved with bank examination: Verified cash, security holdings and transactions, earnings & dividends reports, and properties held for safekeeping; prepared bank reconcilements, proved bank liabilities, collected statistical data, determined usefulness and efficiency of records relevant to internal audit, and inspected insurance policies relating to fidelity and other indemnity coverage. Also assisted my supervisors in reviewing loans, and security portfolios.
- Part-time
Feb. 1975
to
May 1975
- Hampton Institute, Hampton, VA
Tutor of Mathematics - Special Services. Tutored students enrolled in fundamental courses of mathematics at Hampton Institute. Gained basic experience and satisfaction of teaching and guidance.
- May 1974
to
Dec. 1974
- Montgomery Wards, Hampton, VA
Shoesalesman. Handled sales for men, women, children, and infants. Checked inventory and sorted stock in addition to designing floor display and layouts. Handled cash register with each sale and was responsible for returning all cash receipts to the head cashier at the end of the day. Became familiar with NCR computerized register. Orientated new employees and supervised their work until they became familiar with all duties.
- Summer Work
June 1973
to
Sept. 1973
- C & P Telephone Company, Washington, DC
Installer-Repairman. Installed telephone wire in the dormitories on the campus of Maryland University. Wired terminal boxes, drilled holes, and worked other prewiring jobs.
- 1972
- Storekeeper - Western Electric. Sorted damaged phones so that they could be repaired or rejected. Worked with a crew of 30 men and performed various phases of the work as follows: operated fork lift, unloaded crates, sorted phones by color and model, catalogued phones and electronic components which came from complex communication systems
- 1971
- Veterans Administration, Washington, DC
Clerical Assistant. Assisted in analyzing statistical data for further evaluation while working with calculators to compute percentages and ratios.
- 1970
- Audio Visual Aide. Assisted in setting up audio-visual equipment for conferences, meetings, and other such gatherings. Also spliced damaged film and organized the film library.

Military Service None

Background Born and raised in Washington, DC. Active in High School as a member of the football team and classroom officer. Received athletic scholarship for playing in the DC Coaches All-Star Football game. Attended Hampton Institute as an economics major and received an academic scholarship. Active as Vice-president of the Senior Class, former President of Economics Club, and Treasurer of Xi Psi Chi Social Club.

Interest Primarily interested in photography, music, outdoor activities, community development, and international affairs. Enjoy most sports, good books, and vegetarian dishes. Would like to travel if given the opportunity. Willing to relocate.

References Will be furnished upon request.

May, 1978

RESUME

Francisca C. Moghalu
Bureau of Economic Research and Development
Virginia State College
Box W
Petersburg, Virginia 23805

Telephone: (804) 520-5615

GENERAL INFORMATION:

Citizenship: Nigeria

Date of Birth: [REDACTED]

EDUCATION:

Department of Economics, Virginia State College, Petersburg, Virginia,
1977 to present: candidate for degree of Master of Economics in December,
1978, concentrating in Economic Development.

University of Massachusetts, Boston, received A.B. Degree cum laude in
June, 1977. Major in Economics concentrating on Third World Countries.
Four semesters of French.

Heerey High School, Onitsha, Nigeria. Received advanced level G.C.E. 1973.
Majored in Economics, Geography, History and General Paper.

EMPLOYMENT:

Research Assistant, Bureau of Economic Research and Development (BERD)
Virginia State College, Petersburg, Virginia, September, 1977 to present.
Duties include: assisting the Research Associates in their research pro-
jects and routine duties; collection and tabulation of data; attending
conferences.

SCHOLARSHIPS:

Research assistantship, USAID 211(d) program, Bureau of Economic Research
and Development. University of Massachusetts tuition waiver 1975-76.
Window Shop Scholarship Board, Cambridge Boston 1976-77.

PROFESSIONAL ASSOCIATIONS:

National Economic Association

PROFESSIONAL VITA

Regina Ohene-Darko

BUREAU OF ECONOMIC RESEARCH AND DEVELOPMENT
Virginia State College
Box W
Petersburg, Virginia 23805
Telephone: (804) 520-5615

I. General Information

Date of Birth: [REDACTED]
Citizenship: Ghana

II. Education

B.Sc (Hons) Agriculture, University of Science and Technology
Kumasi, Ghana

III. Employment

August 1977 - Present: Graduate Research Assistant - BERD
Virginia State College, Petersburg, Virginia

September 1976 - July 1977: Teaching Assistant, Department of
Agricultural Economics, University of Science and
Technology, Kumasi, Ghana.

1975 (July-September): Project/Loans Assistant, Agricultural
Development Bank, Kumasi, Ghana

1974 (July - September): Trainee Farm Manager, University Farms
University of Science and Technology, Kumasi,
Ghana.

1973 (July - September): Trainee Foreman, Department of Agricultural
Engineering and Farm Mechanisation Workshop,
UST, Kumasi, Ghana.

IV. Awards

USAID/BERD Graduate Assistantship for a masters program in Economic
Development at Virginia State College, Petersburg, Virginia
August 1977 - present.

V. Current Research

"Supply Responses of Cotton Farmers in Northern Ghana: A Case Study
of Wa Area".

VI. Professional Association

Ghana Association of Agricultural Economists

VII. International/Foreign Language

French (written).

R E S U M E

KEVIN L. SAGE-EL

Science Education and Administration/Cooperative Research
Virginia State College
Box W
Petersburg, VA 23803
Telephone: 804-520-5613

I. General Information

Date of Birth: [REDACTED]
Citizenship: U.S.

II. Education

B.A. (Business Management, Economics and Accounting) Shaw University,
Raleigh, North Carolina, 1977

M.A. (Economics) Virginia State College, Petersburg, VA. Expected
Completion Date: May 1979

II. Employment

Research Assistant, Science and Education Administration/Cooperative
Research (SEA/CR), Virginia State College, Petersburg, Virginia 23803
Duties include: assisting research associates with a project entitled,
"Production and Marketing of Livestock in South Central Virginia:
Opportunities for Small Rural Farm Units;" writing articles for BERD's
EYEVIEW; making contacts with various State of Virginia Officials to
be associated as informative liasons. 1978 to Present.

A.R.A. Food Services, Shaw University Cafeteria, Raleigh, North
Carolina. Maintained cooking and eating utensils and premises of
cafeteria. Worked there while attending classes at Shaw. 1974
to 1977.

Occupational Safety and Health Administration, North Carolina Department
of Labor, Raleigh, NC. Responsibilities at North Carolina's O.S.H.A.
of the Department of Labor were to assist Education and Training
Specialists; work audio-visual equipment; read through materials such
as "North Carolina's General Industry and Construction Standards" in
order to do research on subjects dealing with safe operations and
procedures in the work place. 1976

Royal Farms Supermarket, Inc., Brooklyn, NY. Worked as a cashier,
bag checker, and stockman. 1975

IV. Other Employment

Black Council of the Reformed Churches of America, 475 Riverside Drive, NY, NY, 10027. Worked with Black Council on their Black Christian Education Program. 1973

V. Awards: Grants, Fellowships

Tuition scholarships. Four years (1973 to 1977)
Minority Scholarship Fund of the Reformed Churches of America through four years of undergraduate school at Shaw University.

Tuition Scholarship. One semester (1975).
The Greenwich Savings Bank of Brooklyn, received area scholarship for one semester at Shaw University.

VI. Special Skills

Business accounting courses in: Business Finance, Accounting I & II, Auditing, Advanced Accounting, Income Tax Accounting and Intermediate Accounting I & II.

VII. Research

A. Areas of Interest.

- Growth in agricultural and industrial sectors of developing countries in Africa.
- Foreign investments (multinational corporations) in developing countries.
- Rural development in American agriculture: Small Farmers, Co-ops.

B. Current Research.

The basic objectives of the SEA/CR project of "Production and Marketing of Livestock in South Central Virginia" are:

- 1) "To assess the resource capabilities of small farmers in production of swine and cattle and processing facilities in Virginia and adjoining States."
- 2) Determine: an optimum production mix for small rural farmers, the economic and non-economic factors affecting livestock production on small rural farmers.
- 3) "Estimate the effects of structural production and marketing variables on production."

REFERENCES

Mrs. Doris Anderson
Placement Director of Shaw University
Shaw University
Raleigh, North Carolina 27602

Reverend William M. Howard
Executive Director of the Black Council
Reformed Churches of America
475 Riverside Drive
New York, NY 10027

Mr. George Jones
Director of Education and Training
Occupational Safety & Health Admin-
istration
N.C. Department of Labor
Box 27907
Raleigh, NC 27611

VITA

Ahlan Ihsan Zaki

Box #37, Virginia State College
Petersburg, Virginia 23803
Telephone: (Office) 804/520-5613
(Home) [REDACTED]

PERSONAL:

Age: 26
Marital Status: Single
Health: Good

EDUCATION:

B.Sc., Baghdad University, Iraq
(Economics), June 1974.
M.A., Virginia State College,
Petersburg, Virginia 23803
(Economics). To be completed
December 1978.

FIELDS OF INTEREST AND STRENGTH:

Economic Development
International Trade
Regional Science
Computer Programming (Working knowledge)

EXPERIENCE:

Secretary in Meteorological Department
Jordan, August 1974-February 1975.
Teacher for Arabic Language, March
1975-August 1976.

RESEARCH EXPERIENCE:

Research Assistant - November 1977
Bureau of Economic Research and
Development, Virginia State College,
Petersburg, Virginia.

WORKING REFERENCE:

Professor Huey J. Battle, Ph.D. Director
Professor Charles Whyte, Ph. D. Assistant
Director.
Bureau of Economic Research and
Development, Box 37, Virginia State
College, Petersburg, VA.
(804) 520-5613

March 16, 1978

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

CHARLES D. WHYTE

(ASSISTANT DIRECTOR)

Whyte has been the Assistant Director of BERD and Professor of Economics since July 1, 1974. His background and expertise have been in the area of production economics, marketing, quantitative analysis, and international economic development. His responsibilities in BERD fall into three categories: administrative; research; and teaching.

As Assistant Director, Whyte is responsible for supervising and coordinating the research activities of BERD; and assist in administering the overall activities of BERD. The activities in this reporting period include: (a) research; (b) education and training; (c) linkages and network; (d) administrative; and (e) consultative and advisory services.

Research

The research activities of BERD, under both its domestic and international programs were planned, coordinated and supervised by Whyte who also took active part in the conduct of research jointly with the research associate staff. The research projects of BERD in this reporting period are listed in the body of the report (above).

Whyte's research involvement also includes: development of project proposals, search proposals; review of staff research documents for publications; and supervision of graduate student research assistants' research projects.

Education and Training

The activities of BERD extend beyond research to embrace a program of education and training for staff members as well as graduate research assistants in BERD and other students and faculty members at VSC. At the direction of Whyte, a seminar series on development in LDCs was held during this reporting period;

and a French language capability seminar was conducted during this reporting period. The seminar series also served as a forum for meaningful and constructive discussions on the research projects and activities of BERD and for improving staff capability in the French language for consultative/advisory services in Francophone countries.

The program of education and training as directed by Whyte also includes: short informal courses and sessions for graduate students and graduate student research assistants in research methodology; field trips to various state and national government agencies, international institutions, and colleges and universities; participation in scholarly conferences and meetings; and field training for research staff members collaborating with BERD.

As Professor of Economics, Whyte taught two graduate courses in the Department of Economics during the reporting period. They were:

1. Economics of Underdevelopment, Ec. 551
and
2. International Economics, Ec. 555

In addition he served on two committees for students receiving their master's degree; and as research project advisor to six master's degree students.

Linkages and Networks

The VSC/UST bilateral linkage program under the VSC's AID 211(d) Grant Program is supervised and coordinated by Whyte. During the reporting period, Whyte made two visits to the University of Science and Technology (UST) for consultation with members of the Link Management Board (BERD's counterpart), VSC's staff assigned to Ghana, and officials of the University. Among his accomplishments were: the extension of the linkage program with two new research projects and education and training programs under the linkage.

With the assistance of a Research Associate (Tuthill) Whyte has continued the establishing of informal linkages and networks with U.S institutions and

international organizations designed: to increase VSC's capacity to respond to AID and LDCs requests for advisory and consultative services; and to increase the information and data base at VSC for utilization by LDCs, AID and other institutions involved in rural development work.

Whyte is currently serving in a consultative-advisory capacity under the 211(d) utilization mode with ESP/DSB/AID in documenting the interest, capacity and capability of 1890 institutions for greater involvement in AID projects and programs. He served as consultant to DR/Africa in Kenya where he evaluated a research project and developed a project paper.

Administrative

Dr. Whyte's administrative responsibilities cover every aspect of the BERD's activities, and include among others:

1. Planning, coordinating and supervising the research activities in BERD (discussed above).
2. Recruiting new staff (Dr. Emmanuel Acquah and Ms. Janet Tuthill) and research assistants (three new research assistants have been recruited for September 1977; and three more are in the review stage).
3. Preparation of annual and other reports.
4. Planning and conducting seminars, short courses, conferences etc. (discussed above)
5. Coordinating and supervising the domestic and international programs in BERD
6. Coordinating activities for the professional development (training and education) of BERD's graduate student research assistants and staff members.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

MICHAEL S. JOSHUA

(RESEARCH ASSOCIATE AND ASSOCIATE PROFESSOR OF ECONOMICS)

Michael S. Joshua has been a Research Associate and Associate Professor of Economics, on the staff of the Bureau of Economic Research and Development since January 1975. His expertise is in the area of economic development, management and agricultural credit. During his tenure at Virginia State College Joshua has participated in the research, teaching, and seminar program of BERD. He has also contributed to the administrative planning of BERD activities.

Towards the end of the last reporting year Dr. Joshua returned to Virginia State College (BERD) from Kumasi, Ghana, where he served as VSC's staff representative for a period of 20 months. During the period of this assignment he collaborated with UST's staff in carrying out the field work for two research projects. He also taught two courses in the Department of Agricultural Economics.

Research

During this reporting, Joshua's contribution to the research program of BERD involved three projects:

- (a) Enterprise Combination and Capital Requirements in Northern Ghanaian Agriculture - A Case Study of Kumbungu District.
- (b) Introduction of Implements for Use in Rice Production, Processing and Harvesting in Northern Ghana - Socioeconomic Aspects.
- (c) Production and Marketing of Livestock in South Central Virginia.

The first two projects were initiated under the UST-VSC Linkage Program. The field work for these projects was carried out during 1976-77. During this reporting period the data processing and analysis is taking place. The third

project is being carried out in the BERD lab area. The initial phases of the field work are now being completed. In addition to work on the technical aspects of the project, Joshua is also providing administrative coordination for the operational aspects of the project.

Education and Training

With regard to the teaching program Dr. Joshua's assignment was in the Department of Economics. He taught the Principles of Economics at the undergraduate level. In addition Joshua was assigned the teaching and supervision activities for International Economics - a graduate course - in the absence of C. D. Whyte who was away on an AID short term consultative assignment.

In addition to academic instruction, Joshua was also charged with the responsibility of counseling BERD research assistants - graduate students in the Department of Economics at VSC - as well as supervising their research project program. He has been supervising the work of at least three BERD research assistants during this reporting period. He also supervised the master's thesis research of Rexford Ahene - "Farm Organization and Input Utilization: A Case Study of Rice Production in Northern Ghana." This study was successfully completed in the Spring of 1978.

Joshua has responsibility for the BERD seminar series. During the period he has organized about ten internal seminars. These were given by the BERD professional staff. He also organized one college seminar which provided an opportunity for the BERD professional staff to share with the college community their experiences in less developed countries. Joshua was one of the main speakers at this seminar. He presented what he thought to be some of the major problems of rural development in Ghana.

Consultative Advisory Services

Joshua served in an advisory capacity regarding VSC's linkage with the University of Science and Technology, Kumasi, Ghana.

Administrative

Joshua has made important contributions to BERD efforts to obtain research funds. He has worked with other staff members to prepare and defend research proposals submitted to various agencies--U.S. Department of Transportation and USAID/W.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

EMMANUEL TURKSON ACQUAH

(ASSISTANT RESEARCH ASSOCIATE)

Emmanuel T. Acquah joined BERD as an Assistant Research Associate in September, 1976. His background and expertise are in the areas of: resources, production, management and development. His responsibilities at BERD include research, education and training, consultative and advisory services and administrative.

Research

During this reporting period Acquah has been principal investigator of two research projects in Ghana:

1. "Customary Land Practices in Relation to Agricultural Production;"
2. "Economic Viability of Small Scale Farms in the Ashanti Region."

He has been responsible for developing research proposals for similar projects in different areas of Ghana to be supported by AID/Ghana. His other research activities include projects previously for which he is responsible.

Education and Training

During the reporting period Acquah was responsible for teaching a six-hour academic credit seminar on Research Methodology at the University of Science and Technology (UST), Kumasi, Ghana. He also taught courses in Agricultural Economics and Economics, and advised students in their research projects while at UST. He is the major advisor to three BERD graduate student research assistants whose theses he is responsible for directing.

Consultative/Advisory Services

Acquah provides consultative/advisory services to the University of Science and Technology's Departments of Land Economy, Technological Consultative Center and Agricultural Economics. He serves as VSC's liaison to USAID/

Ghana, GOG and UST; and also provides consultative service to GOG (Ministry of Agriculture).

Administrative

Acquah is responsible for administering the VSC/UST linkage program in Ghana. His responsibilities include management of the research and other linkage activities in Ghana, preparation of monthly reports and monitoring of research project funds.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

JANET C. TUTHILL

(ASSISTANT RESEARCH ASSOCIATE)

Janet C. Tuthill has served as an Assistant Research Associate and Resource Specialist on the BERD staff since March, 1977. She participates in the research, special training and information dissemination activities of BERD. Ms. Tuthill's background is in African Studies with emphasis on Francophone Africa, international organization and voluntary agency development assistance. Her responsibilities include supervising the maintenance of the BERD Reference Center, obtaining and disseminating information for the Bureau, editing the BERD's EYEVIEW, serving on short-term overseas assignments as needed, and expanding BERD's French language capability.

Research

Tuthill's research interests combine her previous experience in studying voluntary agency assistance with the Bureau's focus on rural development. A research proposal entitled: "U.S. Voluntary Agency Development Assistance in Food Production and Agriculture in Subsaharan Africa" is currently being prepared and will be submitted for funding in September, 1978.

A joint paper entitled "Assessment of the Impact of International Development Assistance Agencies: Methods of Analyzing Multilateral, Bilateral and Voluntary Activities" is being prepared with Michael S. Joshua, Research Associate, for the International Studies Association South/International Organization Section Joint Meeting October 26-28, 1978 in Chapel Hill, N. C.

In addition, Tuthill assists ongoing research activities of BERD by providing information sources to the research associate staff on a regular basis as well as providing special information as needed.

Education and Training Activities

A special 10 week course in Intensive French for faculty and graduate students who wish to participate in development assistance activities in Francophone West Africa was taught by Tuthill in February - May, 1978. Six persons completed the course and four have enrolled in a follow-up conversation course which Tuthill is teaching on a weekly basis.

In addition to developing and teaching the French courses, Tuthill has been supervising/advising two research assistants from the 211(d) program. Preliminary advice on their thesis proposals and work plans as well as course work has been provided, as well as supervision of research work for BERD. Certain special projects undertaken by groups of research assistants (information for resource document, compilation of information on 1890 institution personnel) were supervised by Tuthill while the Assistant Director was on special assignment.

Upon returning from Upper Volta in December, 1977, Tuthill presented a seminar entitled "Agricultural Human Resources Development: Upper Volta-The Project Design Process" as part of the BERD seminar series. She represented BERD and SECID at the conference on the Role of Women in Meeting Basic Food and Water Needs at the University of Arizona, Tucson; chaired a panel entitled "Transnational Interaction in Development: The Role of Nongovernmental Voluntary Organizations" at the annual meeting of the International Studies Association in Washington, D. C.; and participated along with Battle, Whyte, Joshua in collaborative meetings with North Carolina A & T, Tuskegee Institute and Southern University to discuss 211(d) programs at 1890 institutions at Chapel Hill, North Carolina.

Information Dissemination Activities

As Resource Specialist Ms. Tuthill has responsibility for editing the BERD's EYEVIEW, final editing and revision of monograph manuscripts, receiving

and relaying information to LDC institutions in BERD's linkage network, providing information for outside funding proposals, reviewing RFPs as requested and establishing revising guidelines for preparation of manuscripts and working papers.

In addition to these regular activities Tuthill completed special information tasks during the reporting period:

- (1) Preparation of a special resource document of government and private funding sources for review by BERD.
- (2) 1978 revision and expansion of brochure describing BERD's current activities.
- (3) Developed format for questionnaire used by AID/DSB in soliciting information on research and related activities from 1890 institutions holding 211(d) grants. (This will be used to establish a regular newsletter).

Tuthill supervises the maintenance of the BERD Reference Center. She recommends materials to be ordered and periodicals to be received, supervises the accessioning, cataloging and processing of materials, and ensures the orderly operation of the Reference Center. During the reporting period over 400 new titles were added to the collection and a major inventory and reorganization of periodicals was carried out. Assisted by a professional cataloger (Leatherman), the card catalog is being kept up to date.

Consultative and Advisory Services

During November - December, 1977, Ms. Tuthill served as project design officer for the USAID project Agricultural Human Resources Development: Upper Volta. As part of a 6 person team for the South-East Consortium for International Development (SECID) Tuthill spent 5 weeks in Upper Volta collecting data and coordinating the preparation of the project paper. In January 1978, she participated in the project paper review meeting at AID/W and in March 1978 attended an implementation meeting with SECID at AID/W along with the five other team members.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

FRANKLIN C. MOORE

(Assistant Research Associate)

Franklin C. Moore joined the staff of the Bureau of Economic Research and Development on January 1, 1976. Moore received a B.A. Degree in Economics from Yale University and a M.S. Degree in Agricultural Economics and a certificate in African Studies from the University of Wisconsin. He has also worked in the Corporate Development Division of the Dayton Hudson Corporation. He is currently a Doctoral candidate in the "Ph.D. in Development Studies Department" at the University of Wisconsin. His dissertation is in the area of Agricultural and Rural Development in Ghana, and is entitled "The Political Economy of Food Marketing in Ghana." His professional activities include: research, teaching, advising graduate students, and assisting in the development of seminars and workshops sponsored by BERD.

Research

Within BERD, Moore was involved in researching aspects of Agricultural Marketing. He completed a paper on the Small Farmer and Agricultural Marketing in South Central Virginia. This study deals with the changes taking place in Agricultural Marketing in the United States, the special problems of the small farmer as he faces these changes, and the marketing of four specific crops by small farmers in geographical regions of South Central Virginia. His Ph.D. research on the Political Economy of Food Marketing in Ghana deals with aspects of the Ghana Food Distribution Corporation, a state corporation charged with the task of purchasing, transporting, and selling foodstuffs, and the corporations relation to farmers and private food marketers. It has been continued from the previous reporting period and is scheduled for completion in 1978.

Education and Training

During the fall semester of academic year 1977-78, Moore taught graduate courses in the Agriculture Department entitled: "Agricultural Management" and "Pricing and Price Making." Moore supervised the preparation of a graduate student research assistant thesis (Neal Harmon) and provided advice and lectures to BERD student research assistants. During the year Moore presented several seminar papers in the BERD seminar series and participated in the BERD education and training activities.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

FREDERICK S. LESNETT

(ASSISTANT RESEARCH ASSOCIATE)

Frederick S. Lesnett joined the staff of the Bureau of Economic Research and Development in May of 1976. Dr. Lesnett, an Assistant Professor at Virginia State College, serves on a full-time basis with BERD during the summers. His formal educational training is in the area of Sociology with concentrations in the areas of methods and statistics.

Research

During the last year, Lesnett has completed a regression analysis on the socioeconomic factors affecting the weekly labor supply and the hourly earnings of male and female household heads in South Central Virginia. In this project separate regression models on weekly labor supply and hourly earnings were constructed for the male and the female household heads. The data for this project came from the Rural Manpower Study conducted by BERD during the early part of 1974 in the counties of Amelia, Brunswick, Cumberland, and Southampton. Presently, a monograph developed from the above project is awaiting final review. Since April of 1978, Dr. Lesnett has begun work on a study of the socioeconomic factors affecting the utilization of health services by urban and rural residents in South Central Virginia. In particular, Lesnett has been focusing on the utilization of the services of physicians, hospitals, and dentists by the residents of Health Service Area IV. Data for this project has been recently collected by the Research Triangle Institute for the State of Virginia's Department of Health. The results of this study will provide insights into how the utilization of health services by urban and rural residents of South Central Virginia might be improved.

Education and Training

Lesnett presented a paper entitled "Factors Affecting the Labor Supply in South Central Virginia" in March at the annual convention of the Virginia Association of Economists. This paper was a product of his research activities on the socioeconomic factors affecting the hourly earning and the weekly labor supply of male and female household heads in the counties of Amelia, Brunswick, Cumberland, and Southampton.

During the last academic school year, Lesnett taught eight courses in the Department of Sociology. The courses that Lesnett taught covered such topics as marriage and the family, research methods, introduction to sociology, and introduction to the social sciences. Lesnett is responsible for providing academic advisement to 30-40 undergraduate sociology majors. Also, in the last year Lesnett participated in the self-evaluation study of Virginia State College.

Two seminars were presented by Lesnett for the benefit of the staff and the graduate students at BERD. The first seminar centered on the uses and the capabilities of the canned computer program SPSS (Statistical Package for the Social Sciences) as it relates to the research activities of BERD. Lesnett presented in the second seminar the findings of his study on weekly labor supply and hourly earnings of male and female household heads, along with a discussion of some of the methodological techniques used in the analysis.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

SAMUEL K. MOAK

(RESEARCH ASSOCIATE)

Samuel K. Moak has been a Research Associate of the Bureau of Economic Research and Development (BERD) since June 1, 1975. He is Professor of Marketing in the Department of Business Administration, Virginia State College. He also serves as the Director of Small Business Institute, providing consultative service to small business firms during the regular academic semesters. His background is in marketing, management, economic development, and statistics. His major responsibilities have been in three areas such as teaching, research, and community service.

Research

Moak's research activities with the BERD during June 1, 1977 through May 31, 1978 have been most productive and described as follows: More specifically during the months of June, July, and August of 1977, Moak conducted a study on Marketing Structure and Performance by County in South Central Virginia. The objectives of this research project are: (1) to describe the current marketing structure of each county, including local trade centers, trade pattern, product channels, logistics and method of transportation, price structure, marketing problems and organization; (2) to evaluate the importance and potential of each product in view of overall economic planning and growth of each county; (3) to explore new market potential for new products such as various vegetable and fruit items; (4) to measure and determine the efficiency and performance of the existing market system in each county; and (5) to identify the problems and difficulties of marketing management and to analyze the problems of each in relation to the area as a whole, and to make appropriate recommendations in each county. The

preliminary draft on this research project would be completed by August, 1978. Moak has also worked on the second draft of the study of Manufacturing and Service Activities in South Central Virginia. This research project is to present a profile of the manufacturing and service activities in South Central Virginia.

A second draft of a third project, Agricultural Activities in South Central Virginia was completed. This project contains a description of farm enterprise, farm production, agricultural programs, and farm tenure. This project is a part of Socio-Economic Overview of South Central Virginia.

Education and Training

Moak has taught Market Management and Salesmanship during the regular academic semesters and participated in the BERD seminar series and academic activities of the Department of Business Administration.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

SAMUEL KOJO ANDOH

(RESEARCH ASSISTANT)

Samuel Kojo Andoh has been a Graduate Student Research Assistant with the Bureau of Economic Research and Development (BERD) since January, 1978, when he came to the United States as an exchange student under the linkage agreement between University of Science and Technology and Virginia State College. He is enrolled in the master's program of the Department of Economics, VSC.

Between October and December 1977, he took courses in Research Methodology and Thesis from Emmanuel Acquah, BERD representative in Ghana. During the same period too, he assisted Acquah in designing a questionnaire for a project currently been undertaken in Ghana, "Economic Viability of Small Scale Farms in Ashanti." He assisted in training field workers for the survey and supervised in the collection of the data, part of which he is using for his master's thesis.

As a research assistant he assists research associates of BERD in their research activities. He also participates in seminars organized by BERD and performs any other work assigned to him.

As a student he attends lectures at the Department of Economics and has already completed one semester of course work.

He is expected to complete his degree requirements by March, 1979 and to eventually join the teaching staff of the Department of Economics and Industrial Management at UST in Kumasi, Ghana.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

MAGID DAGHER

(RESEARCH ASSISTANT)

Magid Dagher is a research assistant at BERD. He is from Rochester, New York where he attended St. John Fisher College, and received his B.A. Degree in May, 1972. His responsibilities during this reporting period involved assisting the research associates and administrative staff. However, he was assigned to work closely with a research associate (Joshua), who serves as his supervisor. He worked at a number of research related tasks including: collecting data; coding questionnaire results; compiling bibliographies; keypunching; and duplicating materials.

Research

Currently, Dagher is in the process of developing his master's thesis proposal. His tentative topic is: "An Analysis of the Farmer Home Administration's Delivery of Credit to Small Farmers in Brunswick and Greensville Counties, Virginia." (Fm.H.A's).

Education and Training

Dagher is a master's degree candidate. He has completed 24 hours of graduate courses in Economics, with a concentration in economic development. The courses taken include Advanced Microeconomics, Advanced Macroeconomics, Agricultural Price and Price Making, Farm Management, Economics of Underdevelopment, Regional Economics, International Economics, and Quantitative Methods.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

SAMUEL B. GRAHAM

(RESEARCH ASSISTANT)

Samuel B. Graham is a Research Assistant at BERD. He is from Hampton, Virginia where he received his B.A. degree in Economics in 1975 at the Hampton Institute. During this reporting period his responsibilities are to assist the research associates and administrative staff. His duties include: data collection and tabulation; compiling bibliographies; identifying and recording information on a research project, "The Small Farmer and Agricultural Marketing in South Central Virginia." Graham also worked as Assistant Editor for BERD's EYEVIEW Report. These duties include: writing and editing articles for publication; locating and organizing articles from BERD Research Associates and VSC staff members; and maintaining a quarterly calendar of events by BERD staff members.

Research

At the present Graham is in the process of developing his master's thesis proposal. His tentative topic is "Relationship Between Small Beef Farmers Characteristics and the Adoption of Recommended Farm Practices in Sussex and Dinwiddie Counties, Virginia."

Education and Training

Graham is a candidate for the master's degree program in Economics. He has completed 24 hours graduate courses in Economics, with a concentration in Economic Development. These courses are International Economics, Farm Management, Agricultural Price and Price Making, Economics of Underdevelopment, Regional Economics, Microeconomics, Macroeconomics and Quantitative Methods.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

EMMANUEL AGYEMAN GYAWU

(RESEARCH ASSISTANT)

Emmanuel Agyeman Gyawu has been a Graduate Research Assistant with the Bureau of Economic Research and Development (BERD) since August, 1977. He came to the United States in January 1978 as an exchange student under the University of Science and Technology (UST) - Virginia State College Linkage Program. He is currently pursuing the Degree of Master of Economics in the Department of Economics at the Virginia State College.

Between August and December 1977, while in Ghana, he took courses in Research Methodology and Thesis writing from E. T. Acquah, BERD representative in Ghana. At the same time, he assisted Acquah and Eben Acquaye of the UST in designing and implementing questionnaires for the project "Customary Land Practices in Relation to Agricultural Production in Ghana," with case studies in the Northern, Ashanti and Volta Regions. Part of the data collected is being used in writing his master's thesis.

As a Research Assistant, he helps the Research Associates of the Bureau in their research activities; he participates in seminars organized by BERD.

He has already completed one semester of course work and hopes to complete his degree requirements by the end of March, 1979. He plans to pursue studies leading to the Doctor of Philosophy to be sponsored by the UST before returning home to join the teaching staff of UST, Kumasi, Ghana.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

FRANCISCA MOGHALU

(RESEARCH ASSISTANT)

Francisca Moghalu is a Research Assistant at BERD. She is from Nigeria. She received her B.A. degree in Economics at the University of Massachusetts. During this reporting period her responsibilities are to assist the research associates and the administrative staff. Her duties include: collecting data; maintaining the resource center; compiling bibliographies and information on the Voluntary Agencies in Africa--South of Sahara.

Research

At present, Moghalu is in the process of developing her master's thesis proposal. The tentative topic is "The Role of Credit in the Adoption of Appropriate Technology: A Case of Small Scale Rice Farmers in Northern Ghana."

Education and Training

She is a candidate for the master's degree program in Economics. She has completed 24 hours graduate courses in Economics, with concentration in economic development. These courses are: International Economics, Economics of Underdevelopment, Farm Management, Agricultural Price and Price Making, Regional Economics, Microeconomics, Macroeconomics and Quantitative Methods.

SUMMARY OF ACTIVITIES FOR THE REPORTING PERIOD (FY 1978)

REGINA OHENE-DARKO

(RESEARCH ASSISTANT)

Regina Ohene-Darko has been a graduate Research Assistant with the Bureau of Economic Research and Development (BERD) since January, 1978.

Between September and December, 1977, she was a Research Assistant with the UST-VSC linkage program in Ghana. During this period, she took courses in Research Methodology and Thesis from E. T. Acquah, BERD's representative in Ghana and also designed a questionnaire and collected field data for her thesis research which is on "The Supply Responses of Cotton Farmers in Ghana."

As a Research Assistant with BERD, she assists M.S. Joshua and the other Research Associates in their research activities. She also participates in seminars organized by BERD.

She is currently pursuing a Master's Degree in Economics at Virginia State College under the UST-VSC linkage program. She has completed one semester of course work including Macroeconomics, International Economics, Regional Economics, and Agricultural Price and Price Making.

She is expected to complete the Master's program by March, 1979 and eventually go back to Ghana and work in the area of Economic Development.

TABLE I

DISTRIBUTION OF 211(d) GRANT FUNDS AND CONTRIBUTIONS FROM OTHER SOURCES OF FUNDING*

REPORTING PERIOD June 1, 1977 To May 31, 1978

Grant Objectives/Outputs	211(d) Expenditures				Non 211(d) Funding Amount***
	Period under Review	Cumulative Total	Projected Next Year	Projected to** End of Grant	
	June 1, 1977 to May 31, 1978	June 1, 1972 to May 31, 1978	June 1, 1978 to May 31, 1979	June 1, 1972 to May 31, 1979	
Professional and Staff Salaries	106,710.55	395,320.83	105,380.00	500,700.83	68,000.00
Scholarship and Research Assistantships	31,858.00	137,991.04	31,000.00	168,991.04	-
Consultants and Visiting Professors (incl. Travel)	183.56	7,822.03	567.13	8,389.16	-
Travel BERD's Staff)	12,005.52	43,494.78	15,700.00	59,194.78	8,000.00
Educational Equipment, Computer Time, Publications, Communications, Seminars, Books, Materials, and Supplies	21,311.19	82,044.19	30,680.00	112,724.19	30,000.00
TOTAL	172,068.82	666,672.87	183,327.13	850,000.00	106,000.00

*These figures are my best estimates

**Adjustments maybe made as needs dictate (within limitations)

***For grant years 1978 and 1979

TABLE II

EXPENDITURE REPORT (ACTUAL AND PROJECTED)
 UNDER INSTITUTIONAL GRANT #AID/CSD - 3415

REPORTING PERIOD June 1, 1977 to May 31, 1978

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	EXPENDITURES TO DATE		PROJECTED EXPENDITURES		TOTAL
	Period Under Review June 1, 1977 to May 31, 1978	Cumulative Total June 1, 1972 to May 31, 1978	6th Year	7th Year	
			June 1, 1977 to May 31, 1978	June 1, 1978 to May 31, 1979	
Professional and Staff Salaries	106,710.55	395,320.83	<u>PERIOD UNDER REVIEW</u>	105,380.00	500,700.00
Scholarship and Research Assistantships	31,858.00	137,991.04		31,000.00	168,991.04
Consultants and Visiting Professors (incl.Travel)	183.56	7,822.03		567.13	8,389.16
Travel (BERD's Staff)	12,005.52	43,494.78		15,700.00	59,194.78
Educational Equipment, Computer Time, Publications, Communications, Seminars, Books, Materials and Supplies	21,311.19	82,044.19		30,680.00	112,724.19
TOTAL	172,068.82	666,672.87		183,327.13	850,000.00

*Expenditures are to be reported on an accrued basis

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TABLE II - B

211(d) EXPENDITURE REPORT
REPORTING YEAR DETAIL
UNDER INSTITUTIONAL GRANT #AID/CSD- 3415
REPORTING PERIOD JUNE 1, 1977 to May 31, 1978

ITEM	DATES	TOTAL SALARY	PERCENTAGE	TOTAL SPENT
I. A. Salaries				
Acquah, E. T.	6/1/77 - 5/31/78	17,068.80	100%	16,611.60
Battle, H. J.	6/1/77 - 5/31/78	8,807.39	12%	8,656.20
Joshua, M. S.	6/1/77 - 5/31/78	22,890.00	75%	20,827.50
Lesnett, F. S.	6/1/77 - 8/12/77	3,643.00	100%	3,643.00
Moak, S. K.	6/1/77 - 8/12/77	4,692.30	100%	4,692.30
Tuthill, J. C.	6/1/77 - 5/31/78	10,680.00	100%	11,010.00
Whyte, C. D.	6/1/77 - 5/31/78	25,450.80	61%	22,600.00
B. Others				
Clerical				
Glass, M. P.	6/1/77 - 5/31/78	8,784.00	100%	8,912.00
C. Fringe Benefits				9,757.95
II. A. Student Support				
Howard, Roderick (American)	summer employment	1,100.00	100%	1,100.00

TABLE II-B
CONTINUED

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ITEM	DATES	TOTAL SALARY	PERCENTAGE	TOTAL SPENT
B. Graduate Assistants				
Rexford Ahene	6/1/77 - 5/31/78	1,101.00	100%	1,101.00
Agyapong Gyekye	6/1/77 - 5/31/78	1,542.00	100%	1,542.00
Neal Harmon	6/1/77 - 5/31/78	1,101.00	100%	1,101.00
Magid Dagher	9/1/77 - 5/31/78	4,212.00	100%	4,212.00
Samuel Graham	9/1/77 - 5/31/78	3,707.00	100%	3,707.00
Francisco Moghalu	9/1/77 - 5/31/78	4,212.00	100%	4,212.00
Samuel Andoh	10/15/77 - 5/31/78	3,497.00	100%	3,497.00
Emmanuel Gyawu	8/15/77 - 5/31/78	3,497.00	100%	3,497.00
Regina Ohene-Darko	8/15/77 - 5/31/78	3,497.00	100%	3,497.00
Wayne O. Yerby	9/14/77 - 5/31/78	4,392.00	100%	4,392.00
III. A. Consultants				
B. Guest Lecturers, Visitors (2)			100%	183.56
IV. Travel				
A. Domestic			100%	4,217.14
B. Foreign			100%	7,788.38
V. Equipment, Computer Time Publications, Communications, Seminars, Books, Materials, and Supplies				21,311.19
TOTAL				172,068.82

TABLE III - A

Requests For Assistance Received During Reporting Period June 1, 1977 to May 31, 1978

A. Requests Attended

Description of Request for Assistance	Whom did you Assist?	Who Requested Assistance	Who Funded Assistance	Size of Effort Dollars Person-Days	Results of Assistance
1. Teach courses in Economics at VSC	Dept. of Econ. (VSC)	Dr. Wm. Richie (Chairman)	BERD (VSC) 211(d) grant	BERD Staff Salary \$8,400 75	12 semester hrs. 45 undergraduate students & 20 graduate students.
2. Teach courses in Agricultural Economics at VSC	Dept. of Agri. (VSC)	Dr. M. Fields (Chairman)	BERD (VSC) 211(d) grant	\$2,100 20	3 semester hrs. (8 graduate students)
3. Research projects in Kumasi, Ghana (support of four research projects)	University of Science and Technology (UST), Ghana VSC/UST Linkage Program.	Dr. E. Acquah of BERD. Dr. Anim-Appiah, Prof. Acquaye, & Dr. Powell of UST	BERD (VSC) 211(d) grant	\$23,823.50	\$7,943.00 in travel. 15,879.90 other expenses incurred.
4. Assistantship (Stipend & Tuition) and research support for students to study Economics Development at VSC.	University of Science and Technology (UST), Ghana. LDC Program	Link-Management Board. (UST), Ghana. Rexford Ahene A. Gyekye A. Andoh E. Gyawu R. Ohene-Darko	BERD (VSC) 211(d) grant	13,080.00	Three students accepted into program for FY 1977-78.
5. Assistantship (Stipend & Tuition) for students to study in Economics at VSC	Four students at the graduate level.	N. Harmon M. Dagher S. Graham F. Moghalu	BERD (VSC) 211(d) grant	13,232.00	Students at varying stages of completing their requirements for their M.S. Degree

TABLE III - A (continued)

Requests For Assistance Received During Reporting Period June 1, 1977 to May 31, 1978

6/5/1

A. Requests Attended

Description of Request for Assistance	Whom did you Assist?	Who Requested Assistance	Who Funded Assistance	Size of Effort Dollars Person-Days		Results of Assistance
6. Participation in professional meetings, conferences, workshops and symposiums.	National Economic Association., American Ec. Association, Southern Regional Science Assoc., Chicago Econo. Development Corp. and other professional organizations.	By each organization	BERD (VSC) 211(d) grant	\$600.00	10	Professionals presenting papers, serving as discussants and chairing sessions for professional development.