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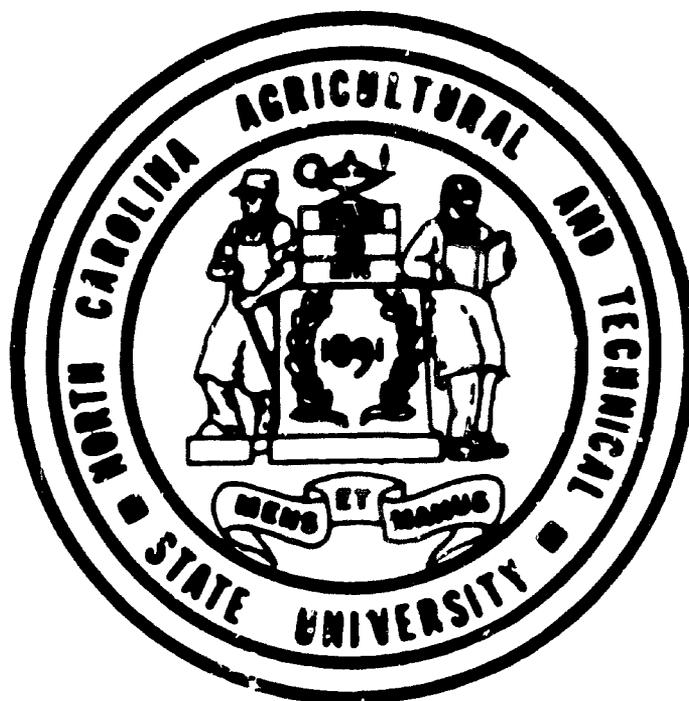
**AND**

**MARKETING ANALYSIS FOR RURAL DEVELOPMENT**

**211 (d)**

**First Annual Report  
Submitted to  
U. S. Agency for International Development  
Washington, DC**

**August 31, 1977 - August 31, 1978**



**North Carolina A&T State University  
Greensboro, North Carolina**

**October 1978**

**SMALL FARMER TECHNOLOGY AND MARKETING ANALYSIS FOR RURAL DEVELOPMENT  
211(d)**

**FIRST ANNUAL REPORT  
SUBMITTED TO  
U. S. AGENCY FOR INTERNATIONAL DEVELOPMENT  
WASHINGTON, DC**

**August 31, 1977 to August 31, 1978**

**North Carolina A&T State University  
Greensboro, North Carolina**

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## 211(d) Annual Report

## TITLE PAGE

Date Due: October 31, 1978

Date: November 3, 1978

## Grant Title:

Small Farmer Technology and Market-  
ing Analysis for Rural Development

## Grantee:

North Carolina A&T State University  
Greensboro, North Carolina

## Grant Program Director:

Richard D. Robbins, Director  
Office of Rural Development

AID Sponsoring Technical Office: DSB

Statistical Summary

Period of Grant:	August 31, 1977 to August 31, 1982
Amount of Grant:	\$750,000
Expenditures for Report Year:	\$65,270.55
Accumulated:	\$65,270.55
Anticipated for Next Year:	\$148,197.38

## B. NARRATIVE SUMMARY

On September 22, 1977, North Carolina Agricultural and Technical State University received a 211(d) Grant from AID/W. The first activity during the first report year was to set up the office and begin hiring a secretary. An Advisory Committee was selected and initial plans to identify a 211(d) staff were set up. Also, attempts to hire additional faculty in Rural Sociology were begun.

Much of the efforts of the first year centered on developing foreign linkages and identifying possible projects for research. The faculty at North Carolina Agricultural and Technical State University felt that linkages should be sought with the Caribbean and with Tanzania. These two regions were preferred because of previous involvement or because of historic ties to these two areas. Other areas were also considered in the event linkages could not be developed with either of these areas.

Domestic linkages were also sought. Several trips were made to SECID and a joint proposal submitted for a project in Liberia. A visit was made to OIC International to discuss a work study arrangement for students under our grant. Some preliminary conversations were held with TVA for other domestic linkages. Attempts will be made to strengthen these linkages during the next year.

The first research project was begun this year. A study of the food marketing problem in St. Lucia was made by three of our faculty. Another study is being conducted on the effect of industrialization on the rural poor of Tanzania. Additional research is being planned for the second year.

Much progress was made in the establishment of a library. Nearly 300 volumes were purchased. Most of these volumes were in economic development. The emphasis during the next year will be on marketing and rural sociology.

The advisory and consultations went extremely well this year. Four of our faculty completed the project design and evaluation seminar, three requests for assistance were received, two of which were honored, and two faculty members assisted SECID in a Southern African Project. It is hoped that additional requests will be forthcoming during the year.

The education and training component of the grant was among the more disappointing sections. Our accomplishments includes course revisions, undergraduate students identified, and hiring a Rural Sociologist. The items not satisfied included a poor seminar series and the lack of graduate students. Our proposed graduate degree program did not materialize. We were requested to re-submit our proposal, and hopefully, it will be

acted upon in January 1979. Thus, we do not have any graduate students in our program. The poor seminar series resulted from the lack of speakers. Several speakers were invited but declined. We hope to have a more successful seminar series during the coming year.

## C. DETAILED REPORT

### 1. General Background and Description of Problem

The rural poor are found across the world but are concentrated in Asia, Africa, and Latin America. They make up a large segment of the population of the developing countries, and many depend upon agriculture for existence. The rural poor have limited resources, limited access to technology and services, and a high birth rate. Poor climatic conditions, low wage structures, low productivity and limited educational opportunities characterize the rural poor.

Rural development will have to focus on increasing productivity and incomes of the rural poor. Rural development strategies must consider the occupational migration of people; population growth and the limitations imposed on resources, technology, and institutions; and, the available production factors that can be mobilized to reduce poverty and improve the quality of life. Rural development will have to be concerned not only with increases in productivity, but also with improved food supplies and diet for a rapidly growing population, health and educational services, construction of adequate infrastructure, adequate housing, and employment opportunities. Not only must rural development be concerned about feeding the present population of the world, it must be concerned about feeding the present population of the future. Many estimates have been made as to what the future population is likely to be. Although these estimates have been varied, there is a consensus that by the year 2000 there will be around 6 to 7 billion people inhabiting the world, representing a 50% increase in the present world population. The increase in population means that not only must we feed the present 4 billion people by 2000, we must produce enough additional food to feed 2 billion additional people.

For the LDC's to achieve the increases in agricultural productivity, the green revolution that begun in the 50's and 60's with wheat and rice will have to continue and expand in other crops and livestock. New varieties, new breeds, and new technologies will be required. Management practices that accompany the new technologies will have to be introduced. Economic incentives through prices will have to be sufficient to encourage the adoption of the practices.

As the increases in output are attained, other problems will have to be addressed; transportation and storage will have to be attended to; problems in credit prior to and after harvest will have to be solved; price stability for agricultural products will be important; handling and grading of commodities will be necessary; and adequate and accurate market information will have to be disseminated. Even these problems do not exhaust the list.

Increases in agricultural productivity will depend heavily upon the willingness of the producers to adopt the new varieties, breeds, and management practices. Therefore, an understanding of the social customs, the organization and decision making process of the rural community will be necessary. Methods and channels of systems that transmit information will need to be improved, and in some cases, developed.

North Carolina A&T has attempted to assist in the problems of rural development. The mission of the college, as stated in the initial legislation, was the following:

"That the leading object of the institution shall be to teach practical Agriculture and the Mechanic Arts and such branches of learning as related thereto, not excluding academic and classical instruction."

North Carolina A&T State University was established, therefore, as one of the Sixteen Land Grant Colleges of 1890. It has traditionally had the responsibility of teaching agriculture and other technical educational thrusts and to solve the needs of blacks in the state. By our very nature then, our activities have been directed to problems of the rural poor and limited resource farmers.

Our past experience in both foreign and domestic rural development activities have been rich in priority to the economically, socially, and culturally deprived peoples of our nation and the world. The main thrust of domestic activities has been in our programs of Agricultural Education, Agricultural Extension and the Department of Economics and Agricultural Economics.

## 2. Purpose of Grant

The purpose of this grant is to develop North Carolina A&T's response capability and multidisciplinary capacity to assist LDC's in the areas of Small Farmer Technology and Marketing Analysis for Rural Development. The ultimate goal of this project is to assist LDC's through AID and other donors, to develop their capacity to analyze problems in their agricultural and rural sectors, thus leading to better program choices for enhancing the quality of life of the rural poor.

As the University develops its capability and strengthens its capacity, its services would be available to contract with AID, other donors, and LDC's for utilization. Services will be provided in the areas of Small Farm Technology, Marketing and Distribution and will focus on project design, implementation, and evaluation. Grant funds would be used to develop the

institution's response capability using a multidisciplinary approach involving economics, agricultural economics, rural sociology and, to a lesser extent, anthropology, agricultural and extension education, technical agriculture and related fields as appropriate, to analyze problems in such areas as Small Farmer Technology and Marketing.

### 3. Objectives of the Grant

#### A. Objectives Restated

In general, grant funds are being used to finance the following objective:

1. Research. The research program at NCATSU is emphasizing problems of the small scale produce and the rural poor in the IDC's. The major areas of focus are small farmer technology, marketing, and distribution. Research is focusing on analysis of traditional technology, methods of disseminating improved technology and barriers to adoption and diffusion of technology. Some attention will be given to problems in marketing and distribution systems, including marketing channels, storage facilities, transportation, price analysis and information flows. Multidisciplinary research teams and individuals would be used in farming research projects.

2. Education and Training. Education and training activities form a major component of the 211(d) Grant. The activities under this grant are divided in four parts: curriculum, student support, faculty development, and seminars. The curriculum portion would center on changes and revisions in present courses and the development of new courses to reflect various aspects of economic and rural development. A major emphasis is on the rural sociology offerings. The grant will support student activities at the graduate and undergraduate level. Graduate students would work towards a masters degree in Agricultural Economics, and undergraduates would complete a B.S. in economics, agricultural economics, or a related area. Funds for scholarships and assistantships would be awarded.

Faculty development will be accomplished by training present faculty and hiring new faculty. Present faculty could complete Ph.D. level work or post doctorate. Emphasis for hiring new faculty will be placed on rural sociology and agricultural economics.

Seminars and workshops are a very useful learning tool.

A series will be held each year, open to faculty, students, and others in the university community. Faculty will also travel to attend workshops, seminars, and other related conferences.

3. Advisory and consultation. The ultimate goal of this grant is to develop a response capability to assist LDC's in developing their capacity to analyze their problems in agricultural and rural development. To achieve this goal, North Carolina A&T expects to make faculty available for advisory and consultation services to AID/Washington, AID missions, LDC's, and other donor countries and organizations, in such areas as is the focus of this grant.

4. Information Capacity. North Carolina A&T State University recognizes the important role that a good library plays in the development of faculty and students. The University plans to utilize some grant funds towards the expansion of its library in economic and rural development. Funds will be expended to purchase books and to subscribe to journals and periodicals. In addition, funds will be available to publish and disseminate the research results of faculty and graduate students supported by this grant.

5. Linkages and Networks. North Carolina A&T State University planned to establish and expand its domestic and foreign linkages and ties with those institutions which share a common interest in rural development in LDC's. A special effort will be made to develop ties with other minority institutions interested in economic development.

Additional ties will also be sought with other colleges and universities with training programs and interest in attacking the problems of LDC's.

The University will also attempt to develop linkages with AID/Washington, and other donors. Linkages with the various bureaus would permit maximum utilization of capabilities developed under the grant. It would also permit exposure to similar problems in the various parts of the world.

The development of linkages with LDC's is important to our research component. Such linkages would provide a place for giving experience on research in the developing countries.

## B. Review of Objectives

### 1. Research

Several faculty members are actively engaged in research under the 211(d) Grant. Research has focused on marketing and the impact of industrialization on income distribution. On site research has been done in St. Lucia and a report is being prepared. Secondary data is being used for the research forming on Tanzania. No modification in this objective is needed at this time.

## 2. Education and Training

A course sequence has been designated for students who are interested in pursuing a career in rural development. Presently, six have received support under the 211(d) Grant. Changes are being made in our curriculum. Courses have been revised and others are planned to be revised in Economics and Rural Sociology. A new faculty member has joined the staff in rural sociology. Four of our faculty have completed the seminar on Program Design and Evaluation. No modification have been made in this objective.

## 3. Advisory and Consultation Services

The University's response capability will continue to expand as a result of utilization by AID and other agencies. Experiences gained in research, travel, and training programs provide our faculty with the expertise to assist in solving problems faced by the IDC's. No modification is expected in this objective.

## 4. Information Capacity

The development of an excellent information system is crucial to improving response capability. Information directly supports research, educational training, advisory, and linkage capability. Plans are to continue extensive searches for appropriate literature to add to our holdings. No modification is expected.

## 5. Linkages and Networks

Several minor linkages and major linkages are being developed in Africa, the Caribbean and with appropriate domestic agencies. Considerable efforts have been placed on this objective. No modification is expected.

## C. Review of Critical Assumptions

Certain events are beyond the control of the University. It was necessary, therefore, that certain assumptions be made relative to the achievement of stated outputs. These critical assumptions are listed and reviewed below:

1. There exists a pool of professionals, economists, agricultural economists, and/or other social scientists who would consider employment at North Carolina A&T and would pursue teaching and research on problems in the developing countries.
2. Graduate and undergraduate students can be recruited who are interested in studies in international economic development.
3. AID will assist North Carolina A&T in developing linkages with LDC institutions, and in identifying opportunities for utilization of faculty members in advisory consulting activities.
4. Professionals interested in presenting lectures and seminars on topics relevant to the focus of this grant will be available to North Carolina A&T State University.
5. Data are available or can be obtained on critical research problems in the LDC's and problem areas selected.
6. Domestic and international institutions are interested in developing linkages with North Carolina A&T State University.

Review 1. Efforts to recruit for a rural sociologist proved successful. Many inquiries were made in response to our announcement of the vacancy. There does appear to exist adequate pool of professional to draw upon in meeting our staff needs.

Review 2. Many inquiries have been made about both our undergraduate and proposed graduate program in agricultural economics. Enrollment of foreign students in the department and in the University is growing.

Review 3. AID has supported our desires to become known with the missions, and the bureaus DS has kept us informed of conferences, seminars, and meetings. Meetings were arranged to discuss the grant with representatives from all of the regional offices and with selected desk officers. Continued support by AID will assure the University that its capability is enhanced.

Review 4. This assumption appears to be valid. Several individuals have expressed a desire to present a seminar. Some problems existed during the year in that several persons could not do so because of conflicts in time or being out of the country.

Review 5. Few problems have been found in obtaining data on the research currently underway. All requests have been honored and persons interviewed in the on site research were usually very cooperative.

Review 6. Such institutions do exist. The Caribbean Development Bank, and SECID have been extremely cooperative. Other institutions have helped to a lesser degree. Continual cooperation and support will be sought from these and other institutions.

## V. ACCOMPLISHMENTS

The 211(d) Grant was awarded to North Carolina A&T State University on September 22, 1976, effective August 30, 1977. Much of the first few weeks were spent in organizing the office, i.e., ordering supplies, purchasing furniture, hiring a secretary, etc. Also, we began to recruit for a rural sociologist, develop domestic and international linkages, and other grant related activities. The principle accomplishments during the first year of the grant includes hiring a new faculty member, purchase of library materials, identification of linkage institutions and countries, participation on project design teams and attendance in seminars.

The research effort lead to two projects: "Marketing of Food Crops in St. Lucia" and "The Impact of Economic Growth on Rural Residents in Korea and Tanzania." In addition, two faculty members were involved in writing project papers for South African countries through SECID.

### A. Objective/Output #1: Research

#### 1. Narrative Description of General Output

The research component of the 211(d) grant focuses upon small farmer technology, marketing and distribution, the effects upon the rural poor. Research projects provide the faculty of the University increased capability and understanding of the problems in the developing countries. Research will be conducted in the developing countries and at the University. Grant funds will be used to provide funds and travel costs where on site research was relevant.

#### 2. During the first year, the targets were:

A minimum of two research projects to be initiated, one domestic, one to be carried out in a developing country.

#### 3. Accomplishments

##### a) Accumulative

Since this is the first year of the grant, no previous work has been done. The report on accumulative accomplishments in this and other sections is the same as the reporting year accomplishments.

##### b) Reporting Year

Two research projects were initiated under the grant during the current year. One research project, "The Marketing of Food

"Crops in St. Lucia" was conducted by Hari Marhatta, Richard Robbins and Lee Plummer. This project was begun in May 1978 and data collected in St. Lucia in July. The major purpose of the project was to identify and determine the existing market function, intermediaries, information system, and how harvest decisions were made. It was to examine all problems of marketing from the time of harvest until the time of first sell of the crops, including transporting, storage, and constraints in marketing.

We received the cooperation of the AID representative in Barbados, the Caribbean Development Bank, and the Ministry of Agriculture in St. Lucia. In addition to funds provided from grant source, the AID representative agreed to pay the maximum of \$4,000 towards the cost of the project. These funds were to be used for travel in St. Lucia and to pay interviewer costs. A final report on this research is expected by October 31, 1978.

The second research project is conducted by D. K. Jeong entitled "The Impact of Economic Growth on Rural Residents in Korea and Tanzania." The primary objective of this study is to examine the size distribution of rural family income, from 1961 to 1976, in the context of performance of economic growth in Korea and Tanzania. In light of the findings of this study, the author will attempt to test the so-called Kuznetz hypothesis that a worsening distribution of income at the beginnings of rapid economic growth in the developing countries is a "historical necessity."

c) Expenditures

reporting year: Total \$24,059.32 (exclusive of overhead)  
AID representation, Barbados \$4,000.00

B. Objective/Output: Education and Training

1. Narrative Description of General Output

The University recognizes the need to assist in increasing the number of minorities with expertise in economic and rural development. The program for graduates and undergraduates must be responsive to concerns of the developing countries. The development of our faculty, additions to and changes in our curricular, the support for students and the participation in seminars are central to this objective. These activities will enable faculty and students to become familiar with and develop skills to assist in solving the problem of LDC's.

2. Targets for Reporting Year

During the first year, the targets were as follows:

- (a) Revise two courses

- (b) Support five (5) undergraduate and three (3) graduate students
- (c) Hire one additional staff member
- (d) Hold three seminars.

### 3. Accomplishments

#### a) Reporting Year

Much progress was made in achieving the targets during this year. An advisory committee was established to help the project director steer the grant in the direction to accomplish the objectives. Many suggestions on curricular development, seminars, and related education activities were made. Two courses were revised, Principles of Rural Sociology, and International Economics. Course outlines are included in the Appendix.

Six students are receiving support under the 211(a) Grant, all are undergraduate students. These students are following a course sequence designed to give them an understanding of rural development problems. Because of the failure to win approval of our Master's program, no graduate students are being supported. Present plans call for action of our Master's proposed in the October meeting of the Board of Governors. If approved, we will begin support of graduate students.

Dr. William Lawson joined our staff at the beginning of the Fall Semester. He received a Ph.D. in Developmental Sociology from Iowa State University in 1978. Dr. Lawson will provide teaching and research skills in rural sociology. A complete vita is in the appendix.

Plans for the seminar did not fully materialize. Three seminars were planned, only one realized. Two potential speakers were not able to appear because of conflicts in schedules. Because of the lateness at which these were canceled, other speakers were not available. We hope to improve on the seminar series this year.

#### c) Expenditures

reporting year: \$28,973.29

### C. Objective/Output: Advisory and Consultation

#### 1. Narrative Description of General Output

The University intends to enhance the competencies of its faculty by participation in AID conferences, workshops, and respond

to the requests of AID and other agencies for assistance. Services that are provided will be done on a negotiated basis and subject to scheduling considerations.

## 2. Targets for Reporting Year

The targets for the first reporting year are as follows:

(a) Participation in AID seminar on Program Design and Evaluation

(b) Utilization of NCA&TSU faculty by AID, missions, and related agencies.

## 3. Accomplishments

Four of our faculty members have attended the Seminar on Program Design and Evaluation. Richard Robbins and Hari Marhatta attended the session held in February; Anwar S. Khan attended the session in June and D. K. Jeong attended the session in August. Others had planned to attend the December session, but that session was canceled.

Some utilization was made of NCA&TSU faculty by several agencies. Dr. Sidney Evans served on a team to Sudan to look at the feasibility of establishing "land grant" type agricultural centers in Sudan. Dr. Anwar Khan assisted in preparing a conference for CENTO in August. Both received support through AID and the 211(d) Grant.

Two other faculty were asked to assist SECID in preparing agricultural sector analysis papers for countries in Southern Africa. Alice Kidder served as the transportation expert and spent one month in several southern African countries. Richard Robbins prepared a paper on the Agricultural Sector in Zimbabwe after Majority Rule. The 211(d) Grant did not contribute to these two activities.

One request for Dr. B. Coley to serve on an evaluation team to Zaire could not be honored. Originally scheduled for the Spring, the team was delayed until the last week of August. Because this time conflicted with the start of classes, the request for Dr. Coley could not be honored.

### c) Expenditures

reporting year: \$6,079.07

**SECID**

**D. Objective/Output: Linkages**

**1. Narrative Description of General Output**

The establishment of ties with domestic and international organizations is extremely important to the success of this grant. These ties will assist in providing necessary research and training experiences needed to aid the developing countries. Such linkages will provide the means whereby on site collection of data can be accomplished, mutual intellectual exchanges can occur, opportunities for student involvement in work study programs, and increased exposure by North Carolina A&T State University.

**2. Targets for Reporting Year**

The targets for the reporting year were as follows:

- (a) Established linkage with one LDC
- (b) Established linkage with one domestic institution.

**3. Accomplishments**

**a) Reporting Year**

During the first year of the grant, linkages have been established with the AID representative in Barbados for the Caribbean, with the Caribbean Development Bank, and with the South-East Consortium for International Development (SECID). The AID representative agreed to support financially, our research activities in St. Lucia during the Summer of 1978. The Caribbean Development Bank agreed to assist in support of our research in the entire Caribbean throughout our grant. Dr. Bernard Yankey of the Caribbean Development Bank wishes to begin a faculty exchange program. We are currently pursuing this interest.

On the domestic side, attempts have been made to firm and strengthen existing linkages with SECID and other institutions. A joint proposal for a cooperation marketing project in Liberia was submitted (but was not funded), two faculty assisted in preparation of South African Agricultural Sector paper, and presently, a sub-contract is being prepared for a State of the Arts paper on Education and Fertility. Other ~~less~~ formal linkages have been made between OIC International in Philadelphia, TVA in Knoxville, Tennessee, and several minority universities.

**b) Total Expenditures.**

**\$2,445.93**

**E. Objective/Output Information****1. Narrative Description of General Output**

North Carolina A&T State University will increase its library holdings of books, periodicals, journals, and other pertinent literature pertaining to economic development, marketing and small farmer technology. Grant funds will be provided for publishing and disseminating research findings.

**2. Target for Reporting Year**

(a) 100 volumes of books to be purchased

(b) 2 journal subscriptions

**3. Accomplishments****a) Reporting Year**

Great strides were made in expanding the library holdings. Two hundred ninety six (296) volumes of books were purchased. Nearly 75 pamphlets were acquired, 2 bulletins were subscribed, and four cassette tape programs were purchased during the year. In addition, many research publications and reports were acquired, without cost, from other 211(d) institutions and research centers.

**2. Total Expenditures.**

\$3,712.94

## VI. IMPACT OF GRANT SUPPORTED ACTIVITIES IN ACHIEVING GRANT PURPOSE

The purpose of our grant was to develop a response capability in the area of small farmer technology, marketing and distribution. The progress made during the first year of the grant has had a significant impact upon achieving that purpose. Much awareness of the role that institutions such as North Carolina A&T will play in assisting LDC's has been generated. This awareness is evidenced by the numerous requests for information and cooperation with many faculty and students throughout the University. Faculty members from Sociology, the Transportation Institute, and School of Agriculture have inquired of programs under the grant and where they could possibly participate. Off campus inquiries about possible project or serving on contract have been directed to the grant director for distribution to the University faculty. The grant director also serves on the International Programs Committee of the University.

Inquiries have come in from the School of Engineering for possible participation in an international satellite project. The Engineering School would handle the technical operations and education, while this office and the School of Agriculture could teach farm management, record keeping, and other skills to selected people in one or more LDC.

The participation of faculty in the various seminars, serving on the advisory committee, assisting in the research, and serving on teams as requested by AID demonstrate their support of the program. Further, the revision of course offerings in economics and the University's support of a position in rural sociology, has been very encouraging.

Students have also been involved. Almost 20 inquiries were made by undergraduate students as a result of publicity surrounding the program. Several classes have used references received under the grant. These classes include economic development, senior seminar, food distribution, and international economics.

## VII. OTHER RESOURCES FOR GRANT-RELATED ACTIVITIES

Additional support for grant related activities come from several sources. The AID office in Barbados supported our research activities in St. Lucia during the Summer of 1978. The office agreed to pay the cost of intra island transportation, and cost of interviewers. A maximum of \$4,000 was allocated for their contribution.

The Industry Cluster here at North Carolina A&T agreed to fund a \$4,000 proposal for office equipment. This equipment represented items that was not furnished by the University. It consisted of a conference table and chairs, sound equipment for recording conferences and seminars, and supporting supplies.

Some indirect funding was made by SECID for utilization of faculty for the SADAP report. While the total cost was borne by SECID, it did represent a utilization of our skills and provide experience in the developing countries. An estimated cost was \$15,000.

The University also contributed in the form of indirect costs. Overhead will not be charged to the grant. The value of overhead is estimated at \$25,615.53.

## VIII. UTILIZATION OF INSTITUTIONAL RESPONSE CAPABILITIES IN DEVELOPMENT PROGRAMS

### A. Requests for Assistance

The University and its faculty received four requests for assistance during the reporting year, three from AID and one from SECID (Table 3). Three were honored and one was denied. Dr. S. H. Evans was requested to assist in the study of the University of Gezira in Sudan. He served on a team to look at the feasibility of establishing "land grant" type agricultural centers.

Dr. A. S. Khar was requested to assist in arranging a seminar on "Increasing the Productive Capacity of Small Farmers" in CENTO countries. He helped to design the training, the format and topics to be discussed in the seminar.

Drs. R. Robbins and A. Kidder assisted in preparing papers for the SECID. Dr. Robbins prepared an "Agricultural Sector Analysis for Zimbabwe." Dr. Kidder served as a transportation specialist for all of the South African countries. She visited Zambia, Lesotho, Botswana, Swaziland, and Malawi in preparation of her transportation report.

The request that was denied was one for Dr. B. Coley. He was asked to serve on the team to evaluate the Agricultural Economic Development Project in Zaire. Because the request was postponed from the originally scheduled date, the request had to be denied because of class schedules.

### B.a. Number of Foreign Students

The number of foreign students enrolled in the University during the 1977-78 academic year was 176, representing 32 countries. The names of the country and number of students follows.

Afgnanistan	1	Liberia	6
Bahamas	1	Nigeria	65
Bermuda	5	Pakistan	1
Brazil	2	Rhodesia	2
Cameroon	1	Saudi Arabia	1
Ethiopia	2	Scctland	1
Ghana	2	Sierre Leone	7
Guyana	4	Sri Lanka	1
Hong Kong	7	Sudan	1
India	3	Tanzania	14
Iran	27	Thailand	1
Jamaica	5	Togo	1
Katar	2	United Arab Emirates	1
Kanya	5	Venezuela	1
Kuwait	1	Virgin Islands	1
Lebanon	3	Zambia	1

**B.b. Visitors or On-Campus Consultations**

The following list of visitors represent some of the visitors on campus requesting information about our foreign programs and desiring to develop linkages. Those with an asterisk are ones with which this office had direct discussion.

- \*Mr. Mbella-Mbape, Chancellor of the University of Yaounde  
United Republic of Cameroon  
March 31, 1978
- \*Mr. Victor Ngu, Vice Chancellor of the University of Yaounde  
United Republic of Cameroon  
March 31, 1978
- \*Mr. Bipun BiWoun, Director of Higher Education  
Ministry of Education  
Cameroon  
March 31, 1978
- \*Mr. Micheal Kima, Cameroon Embassy Deputy Secretary  
Washington
- Mr. Alhaji Okene, Pro Chancellor, University of Ibadan,  
Nigeria  
July 18, 1978
- Professor Olayide, Deputy Vice Chancellor, University of  
Ibadan  
July 18, 1978
- Mr. Femi George, First Secretary for Education  
Nigerian Embassy  
July 18, 1978
- \*Mr. Edward Vickery, Executive Director, SECID, Chapel Hill, NC  
November 23, 1977
- \*Mr. Charles Whyte, Assistant Director, BERD, Virginia State  
College, Petersburg (On Assignment with  
AID) January 10, 1978
- \*Dr. J. Compton, North Carolina State University, Raleigh, NC
- \*Dr. J. Lawrence Apple, Associate Director of Research  
North Carolina State University, Raleigh
- \*Dr. William W. Happ, Jefe Del Departamento De Ingenieria  
En Comunicacion Y Electronics, Universided  
De Guanajuato, Salamanca, Gto  
November 1978

\*Ms. Cynthia D. Gilliam, Planning Research Specialist, OIC  
International, Philadelphia, PA  
November 10, 1977

Ms. Ida Wood, Phelps Stokes Fund, New York  
February 15, 1978

Dr. Ruth S. Njiiri, Phelps Stokes Fund, New York  
February 1978

Mrs. Eunice S. Reddick, African/American Institute  
April 18, 1978

Ms. Vera T. Swann, Phelps Stokes Fund, Washington  
March 1978

\*Mr. Bamidele Akinseye, Foreign Student Advisor, University of  
Ibadan, Nigeria  
June 21, 1978

\*Mr. Carter Eltzroth, AID, Washington, DC  
June 21, 1978

\*Dr. Archie Hargraves, Raleigh, NC  
September 1977

**B.c. Use of Teaching Materials Developed Under this Grant**

Two courses have been revised by faculty members under this grant. Those two courses are being offered during the present academic year. Copies of the course outlines are attached.

**B.d. Other Personnel Working on Development Program**

Several additional faculty members of the University are working on developmental programs. Certainly the experiences gained under these programs and under the 211(d) Grant will compliment and supplement each other. Dr. William Reed, Associate Dean for Research--Special Projects, directs the North Carolina A&T portion of the West Virginia--North Carolina A&T consortium contract to provide assistance to Tanzania. The Tanzania Agricultural Manpower Development Contract completed phase 1 in January and was extended through June 30, 1980. Under this program, students work towards a B.S. degree in an agricultural major. Four North Carolina A&T faculty are currently working in Tanzania under this contract. Recently a farmer training sub-contract has also been awarded to the consortium.

B. C. Webb, Dean, School of Agriculture, received a two-year appointment effective January 1978 to the Joint Research Committee for the Board of International Food and Agricultural Development (BIFAD). The Joint Research Committee is one of two

committees which by provision of Title XII Amendment of the Foreign Assistance Act of 1975 serves to assist BIFAD in carrying out its duties with the Agency for International Development in Agriculture, Food and Nutrition Assistance Programs for the benefit of the developing countries.

Dr. Webb serves as a member of the International Trade Center of the University of North Carolina. In 1977, Dr. Webb was appointed by the Foreign Secretary of the National Academy of Science to serve as a member of a 12 person task force of the International Relations Commission of the Academy. The special function of the task force was to develop a report on United States Science and Technology with respect to food, climate, soil and water which would be used in developing the agenda for the 1979 United Nations Conference of World Food and Agriculture.

Dr. Webb also served during the year as a member of the AID Appropriations Committee of the Association of Land Grant and State Universities, the committee on Training for Foreign Students, Foreign Agricultural Service of the United States Department of Agriculture, and the Title XII Representative for North Carolina A&T.

Chancellor Lewis C. Dowdy served on the Committee for International Affairs for 1978 of the National Association of State Universities and Land-Grant Colleges.

Dr. Dowdy also participated in the International Linkages in Higher Education Feasibility Study which was carried out by the directors of international programs of the six major higher education associations under the direction of Dr. Fred Harrington, former president of the University of Wisconsin.

During May of this year, Dr. Dowdy and Mrs. Dowdy visited Taiwan as guests of that government. The government of Taiwan invited the President and Past-Presidents, including their wives, of the National Association of State Universities and Land Grant Colleges to observe, as a group, some of the economic developments of the nation. Taiwan is one of the developing countries that has achieved an impressive rate of growth over the past three decades.

#### C. Plans for Utilization of Institution Response Capabilities

It is expected that during the remainder of the life of the grant AID, LDC's, and other agencies will call upon the University to provide assistance. The University, in cooperation with the AID project monitor has discussed the grant with the regional bureaus, selected project officers, and other AID/w officials. Copies of faculty's vita have been distributed for possible consideration on visiting teams. Information has been forwarded to many of the missions describing the University, its

program, and its faculty. It is expected that these contacts will call upon the University as the need to provide consultation and advisory services arises.

#### IX. NEXT YEAR'S PLAN FOR WORK AND ANTICIPATED EXPENDITURES

##### Output #1: Research

During the second year of the grant to play a larger role in our grant activities research by Dr. Jeong will continue, and by the end of the summer 1979 will be completed. Two other projects are anticipated--one involving transfer and diffusion of technology and one in marketing. The two anticipated projects would be done in an LDC. Both of these projects are presently being discussed by the faculty. However, there is a need to coordinate the faculty desires with the needs and wishes of the LDC. Until this coordination is completed, further decision on the nature and specific study cannot be determined.

Estimated Budget: \$42,179.71

##### Output #2: Education and Training

We expect to continue and expand the education and training component during the second grant year. It is expected that two new courses will be developed and several courses revised under the grant. We expect to expand our student support. We will know if we will get the graduate program early in the grant year and begin recruiting graduate students. Much effort will be placed in the seminar series. It is hoped that at least four seminars will be held during the year. Additional faculty will participate in the AID program Design and Evaluation Seminar. If our master's proposal is approved, we will be assisting in the hiring of new faculty, one of which may be partially supported under this grant.

Estimated Budget: \$85,637.60

##### Output #3: Advisory and Consultation Services

North Carolina A&T State University will continue to respond to requests for assistance by AID and other organizations. We plan to improve our capabilities through actions taken under the other sections of the grant. We are also exploring the possibility of language training in French or Spanish. Such training will enable the faculty to respond to requests from countries whose language is French or Spanish.

Estimated Budget: \$6,826.00

#### Output #4: Linkages and Networks

Additional linkages will be developed with other domestic and foreign institutions. Such linkages will enable us to place faculty and students in work-training programs. These linkages will broaden our base for research and otherwise enhance our capabilities. Additional attempts will also be made to strengthen our ties to the Caribbean.

Estimated Budget: \$10,054.07

#### Output #5: Information Capacity

Information capacity is fundamental to the development of our capabilities. Thus, the major emphasis placed here during the first year will continue. The research reports will be published and more books purchased. Additional references will be sought in sociology and technology transfer, as well as economic references.

Estimated Budget: \$3,500.00

#### X. INVOLVEMENT OF MINORITY PERSONNEL, WOMEN AND STUDENTS

North Carolina A&T State University has always promoted equal employment and equal educational opportunity for the entire University community. During the fall of 1977-78, approximately 7.5 percent of the student body is white. A substantial number of the faculty members of the University is white also.

This grant also has been multiracial in its operations. The following is a list of the Key Personnel.

##### Faculty and Staff

Dr. B. Coley, Black Male, Professor  
 Dr. S. H. Evans, Black Male, Chairperson, Economics  
 Ms. I. A. Graves, Black Female, Secretary  
 Dr. A. Khan, Pakistani Male, Associate Professor  
 Dr. A. Kidder, White Female, Professor  
 Dr. W. Lawson, Black Male, Assistant Professor  
 Dr. H. Marhatta, Nepaliense Male, Assistant Professor  
 Dr. R. Robbins, Black Male, Associate Professor

##### Students

Ms. Belinda Daughtry, Black Female, Undergraduate  
 Mr. Romannus Ngenelgwe, Nigerian, Undergraduate  
 Mr. Tajudeen Oyenyi, Nigerian, Undergraduate  
 Ms. Annie L. Stevenson, Black Female, Undergraduate  
 Ms. Debbie A. Walker, Black Female, Undergraduate

**TABLES**

**AND**

**APPENDICES**

TABLE 1

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

Reporting Period August 31, 1977 to August 31, 1978

Grant Objectives/Outputs	211(d) Expenditures				Non 211(d) Funding	
	Period Under Review	Cumulative Total	Projected Next Year	Projected to end of Grant	Amount (*)	(**)
Research	24,059.32	24,059.32	42,179.71	168,860.97	4,000	9,163.29
Education and Training	28,973.29	28,973.29	85,637.60	337,189.11	800 520.43	11,000.01
Linkages	2,445.93	2,445.93	10,054.07	2,500.00		3,353.40
Advisory	6,079.07	6,079.07	6,826.00	19,194.93	21,127 1512.50	
Information	3,712.94	3,712.94	3,500.00	8,787.06		
<b>TOTAL</b>	<b>65,270.55</b>	<b>65,270.55</b>	<b>148,197.38</b>	<b>536,532.07</b>	<b>25,127 2032.93</b>	<b>23,523.30</b>

\*Labor cost (University release time not charged)

\*\*Overhead Contribution

TABLE 2-a

211(d) Expenditure Report  
Actual and Projected Summary  
Under Institutional Grant #AID/ta-G-1453  
Project #931-1302  
Reporting Period August 31, 1977 to August 31, 1978

	Expenditures to Date		Projected Expenditures Year				Total
	Reporting Period	Cumulative Total					
			2	3	4	5	
Salaries	46,679.94	46,679.94	120,000.00	135,000	135,000	102,320.00	\$539,500
Travel	12,335.05	12,335.05	15,000.00	15,000	15,000	11,664.95	69,000
Student Support	240.00	240.00	5,000.00	35,000	35,000	26,260.00	101,500
Supplies, materials, communication*	2,302.62	2,302.62	2,697.38	2,000	2,500	2,000.00	11,500
Library	3,712.94	3,712.94	2,500.00	2,000	2,000	2,267.06	12,500
Publications			1,000.00	1,000	1,000	500.00	3,500
Workshops and Seminars			2,000.00	3,500	3,500	3,500.00	12,500
	65,270.55	65,270.55	148,197.38	193,500	194,000	149,032.07	\$750,000

\*Telephone service through July 3, 1978

<sup>a</sup>Expenditures made for travel only, included in travel above

TABLE 2-b

211(d) Expenditure Report  
 Reporting Year Detail  
 Under Institutional Grant #AID/ta-G-1453  
 Project #931-1302  
 Reporting Period August 31, 1977 to August 31, 1978

	Dates	Percent Summer	Academic Year	Amount
<b>I. Salaries</b>				
Dr. S. H. Evans	May 17-May 31	100%	0	\$ 1,370.97
Dr. A. S. Khan	(Spring Semester) July 24-August 17	100%	12.5	4,188.88
Dr. D. K. Jeong	August 16-August 31			
	June 17-July 17	100%	0	4,785.55
Dr. W. Lawson	August 16-August 31	100%	0	430.11
Dr. R. D. Robbins	August 31-May 16			
	May 17-August 17	75%	50	13,478.52
Dr. H. Marhatta	July 1-August 17	100%	0	3,009.03
Mr. L. Plummer	June 18-August 17	100%	0	3,746.72
				<u>\$31,010.18</u>
Ms. I. A. Graves	November 22-August 31	100%	100	7,341.00
				<u>\$38,351.18</u>
Fringe Benefits	21% of Labor Cost			8,053.76
				<u>\$46,404.94</u>
<b>II. Student Support</b>				
Tajudeen Oyeniya		\$240.00		
Annie L. Stevenson				\$672.00
Debbie Walker				600.00
Romannus Ngenelgwe	(To be charged to Grant Year 2)			700.00
Belinda Daughtry				572.00

TABLE 2-b

211(d) Expenditure Report  
 Reporting Year Detail  
 Under Institutional Grant #AID/ta-G-1453  
 Project #931-1302  
 Reporting Period August 31, 1977 to August 31, 1978

		Amount
III.	Consultant	
	Four (4)	275.00
	One consultant did not charge either transportation nor fee, one charged only transportation included in travel.	
	<u>Guest Lecture</u>	
	One (1)	
	No charges except for transportation, included in travel.	
IV.	Travel	
	Domestic (23 trips)	4,354.64
	Foreign (6 trips)	7,980.41
V.	Equipment	
	None	
VI.	Library Acquisition	
	296 Volumes	3,712.94
VII.	Other	<u>2,302.62</u>
	<b>TOTAL</b>	<b>\$65,270.55</b>

TABLE 3. Requests for Assistance During Reporting Period

Description Attended Requests	Whom did you Assist	Who Requested Assistance	Who Funded Assistance	Size of Effort dollar/man days	Results of Assistance
Establish a framework for a conference for CENTO countries	CENTO	NE/TECH	CENTO funds (AID) and 211(d) Grant, A&T	\$4,966/40	Arranged a CENTO seminar on "Increasing the Productivity Capacity of Small Farms in CENTO Countries."
Prepared Agricultural Sector Analysis of Zimbabwe and served as Transportation Specialist	SECID	SECID	SECID	\$15,000/75 Approx. value	Paper on "Agriculture in Zimbabwe," Paper on "Transportation in Southern African Countries."
Feasibility of establishing a new University patterned after the US Land Grant System	University of Gezira, Sudan	Desk Officer for Sudan (AID/W)	AID, 211(d)	\$4,986/30	Recommendations and reports submitted to AID/W.
<b>Denied Requests</b>					
Serve on evaluation team for the Agricultural Economic Development Project	AID/Kinshasa	AID/Kinshasa	AID/Kinshasa 211(d)	21	Denied because of conflict in classes at beginning of year.

APPENDIX A  
RURAL DEVELOPMENT PROGRAM  
TRAVEL LOG

October 21, 1977 - August 21, 1978

<u>Date of Trip</u>	<u>Traveler(s)</u>	<u>Cost</u>	<u>Budget Category</u>	<u>Purpose</u>
10/21/77	R. D. Robbins	\$199.76	Linkages	To visit OIC International, Philadelphia to meet with officers of OIC to develop domestic linkages.
12/7-13/77	R. D. Robbins	50.50	Linkages	To visit SECID to discuss possibilities of linkages with A&T, SECID and Liberia international development.
12/21-22/77	R. D. Robbins	164.50	Linkages	To review various projects for the purpose of developing overseas linkages with AID activities in Washington,
01/17-18/78	R. D. Robbins	102.39	Linkages	To visit Virginia State University, the Bureau of Economic Research and Development, to examine the structure and find out what made its grant especially successful for possible review and utilization by A&T..
01/12/78	L. Robinson	18.00	Education	To reimburse him for attending the Rural Development Advisory Committee meeting held in Carver Hall, A&T.
02/03/78	R. D. Robbins	115.50	Linkages	To review projects for the purpose of selecting those on-going research projects that might be suitable for our faculty to become involved under our 211(d) Grant in Washington.

RURAL DEVELOPMENT PROGRAM  
TRAVEL LOG

<u>Date of Trip</u>	<u>Traveler(s)</u>	<u>Cost</u>	<u>Budget Category</u>	<u>Purpose</u>
02/13-17/78	R. D. Robbins	\$316.27	Advisory	To attend seminars on Design and Evaluation of Programs and Projects in Washington.
02/12-18/78	H. Marhatta	417.78	Advisory	To attend seminar on Design and Evaluation of Programs and Projects in Washington.
03/01/78	R. D. Robbins	121.25	Linkages	To further develop linkages with AID/ Washington.
03/14-15/78	R. D. Robbins	44.00	Linkages	To visit SECID to plan strategy to assist each 211(d) institutions to effectively implement program goals.
03/16-18/78	R. D. Robbins	144.90	Linkages	To develop linkages with graduate programs at Atlanta University and recruit graduate students.
03/14-15/78	S. Evans		Linkages	To attend 211(d) Grant meeting, SECID Office, Chapel Hill.
03/22-24/78	S. Evans	198.95	Education	To attend the Eastern Regional Conference on "International Agriculture Training" College Park, MD.
04/06-08/78	W. Lawson	276.58	Education	To present a seminar on "Organizational Effectiveness of the Agricultural Extension Service." (A&T)
05/14-17/78	R. D. Robbins	210.41	Linkages	To visit AID to develop linkages with the Caribbean and Southern Africa areas, Washington.

RURAL DEVELOPMENT PROGRAM  
TRAVEL LOG

<u>Date of Trip</u>	<u>Traveler(s)</u>	<u>Cost</u>	<u>Budget Category</u>	<u>Purpose</u>
05/30-06/14/78	R. D. Robbins	\$1,071.75	Linkages	To develop linkages with the Caribbean Development Bank and make plans for a marketing study in one of the Caribbean Islands for Summer 1978 in Barbados, St. Lucia and Trinidad.
05/24-26/78	W. Reed	189.50	Linkages	To develop linkages in Dar es Salaam, Tanzania.
06/11-06/17/78	A. Khan	408.36	Advisory	To attend seminar on Design and Evaluation of Programs and Projects in Washington.
06/20-24/78	D. Jeong	422.63	Education	To participate in the Annual Econometric Society meeting, Boulder, Colorado.
07/04-29/78	L. Plummer	2,016.73	Research	To conduct a research project on the "Marketing of Fruits and Food Crops" in Barbados and St. Lucia.
07/04-08/02/78	H. Marhatta	2,125.78	Research	To conduct a research project on the "Marketing of Fruits and Food Crops" in Barbados and St. Lucia.
07/06-12/78	R. D. Robbins	1,014.50	Research	To finalize research project with AID missions in Barbados, Ministry of Agriculture in St. Lucia.

RURAL DEVELOPMENT PROGRAM  
TRAVEL LOG

<u>Date of Trip</u>	<u>Traveler(s)</u>	<u>Cost</u>	<u>Budget Category</u>	<u>Purpose</u>
07/23-08/06/78	R. D. Robbins	\$1,362.15	Research	To collect data on marketing information for food crops in St. Lucia and develop linkages with the University of West Indies in Trinidad.
07/24-28/78	A. Khan	261.81	Advisory	To assist AID in organizing a conference on "Productivity of Small Farmers" in Pakistan, etc.
08/01-02/78	A. Khan	165.87	Advisory	To assist AID in organizing a conference on "Productivity of Small Farmers in Pakistan, etc.,
08/06/78	A. Khan	91.25	Advisory	To travel to New York in preparation for departing to London, Pakistan, Iran and Turkey for the organization of the conference "Productivity of Small Farmers:"
08/06-11/78	D. Jeong	427.15	Advisory	To attend seminar on Design and Evaluation of Programs and Projects in Washington.
08/10-11/78	I. Graves	175.31	Advisory	To meet with AID officials regarding international travel and procedures, Washington.
08/21/78	R. Robbins W. Reed	31.47	Linkages	To meet with members of the IPAC Committee to discuss strengthening grants under Title XII, Raleigh, NC

## APPENDIX B

## RURAL DEVELOPMENT ADVISORY COMMITTEE

1. Dr. A. P. Bell, Chairman, Agricultural Education Department
2. Dr. Basil Coley, Economics Department
3. Dr. Arthur Coutu, Economics and Business Department  
North Carolina State University
4. Dr. Sidney H. Evans, Chairman, Economics Department
5. Dr. W. T. Ellis, Assistant Vice Chancellor for Academic Affairs
6. Dr. Daniel Godfrey, Assistant Director, Agricultural Extension  
Service
7. Dr. B. W. Harris, Chairman, Adult Education and Community  
Service
8. Dr. Frances Logan, Chairman, Sociology and Social Service  
Department
9. Dr. W. E. Reed, Associate Director, Research and Special  
Projects
10. Dr. Howard Robinson, Director, Research Administration
11. Dr. Leonard Robinson, Vice Chancellor for Academic Affairs  
North Carolina Central University
12. Dr. B. C. Webb, Dean, School of Agriculture

## APPENDIX C

MEMBERS OF THE INTERNATIONAL PROGRAM COMMITTEE  
AND SUBCOMMITTEE ASSIGNMENTSInternational Education and Research

Tommie Young, Director of Library Services--Chairperson  
 Willie T. Ellis, Assistant Vice Chancellor for Academic Affairs  
 Dorothy Barnett, Head, Department of Secondary Education and  
 Curriculum  
 Howard F. Robinson, Director of Research Administration  
 Anna Simpkins, Assistant Professor of Home Economics  
 Frank H. White, Dean, School of Arts and Sciences

Student and Faculty Intercultural Activities

Anne C. Graves, Associate Professor of Education--Chairperson  
 Jean Bright, Associate Professor of English  
 Armand R. Datta, Professor of Engineering  
 Lt. Col. John Jones, Head, Army ROTC  
 Dorothy Mason, Professor of Geography  
 Theodore Partrick, Professor of History

Public Relation and Extramural

Richard Moore, Director of Information--Chairperson  
 B. W. Harris, Director of Continuing Education Center  
 Lt. Col. Charles Summers, Head, Air Force ROTC

Foreign Assistance, Faculty and Student Exchanges

B. C. Webb, Dean, School of Agriculture--Chairperson  
 Sidney Evans, Head, Department of Economics  
 Daniel Godfrey, Head, Agriculture and Home Economics and  
 Extension Service  
 Richard Robbins, Associate Professor of Economics and  
 Director of 211(d) (AID) Program  
 Leon Williams, Professor of Electrical Engineering  
 Naomi Wynn, Dean, School of Nursing

NORTH CAROLINA A&T STATE UNIVERSITY  
Greensboro 27411  
Department of Economics

Economics 505: International Economics  
Instructor: A. S. Khan

The International Economics 505 is designed to give the student an understanding of the basic theory of International Trade and its application to developed and less developed countries. The trade problem of twentieth century between 'have' and 'have not' will be examined in detail.

The subject matter in this course will be presented as principles--which can be used as tools in the process of developing solutions to an international economic problem today as well as tomorrow. I hope I will challenge to each student to learn, to think and reason for himself.

Course Organization and Exams

During the semester students will be expected to read all the assigned readings. These readings will help students to assimilate and more clearly understand the concept given in the lecture. Two one-hour examination and two-hour final examination will be given. These two one hour examinations will be given during the semester, the dates of which will be announced at an appropriate time prior to the examinations. The examination, will cover the reading assignments, lectures and class discussions.

In addition each student will be asked to select a topic from the list of topics given in the class and to write a term paper. The term paper must be at least 10 pages type written and double-spaced. The paper will account for 15% of the final grade, class assignments and class participation will account for 10% while the three (3) examinations will account for 75%.

The basic text for the course is Mordechai E. Kreinin, International Economics: A Policy Approach, Second edition 1975. Readings will also be assigned from the following supplementary books:

1. Charles P. Kindleberger, International Economics, 5th ed., 1973 (Irwin)
2. Delbert A. Snider, Introduction to International Economics, 5th ed., 1971 (Irwin)
3. Paul T. Ellsworth and J. C. Leitha, The International Economy, 5th ed., 1975

4. Klaus, Friedrich, International Economics Concepts and Issues, First ed., 1974
5. Anindya K. Bhattacharya, Foreign Trade and International Development, 1975: D. C. Heath and Company

These books in which assignments are made can be obtained in the Library or Room 165 Carver Hall. Some of the readings, including some of those in the supplementary texts are optional where indicated by (\*).

#### I. Introduction

- A. The importance of international trade  
Snider, Chapter 1 (pp. 3-12)  
Kreinin, Chapter 1 (pp. 1-4)
- B. What separates international trade from the main body of economic theory, Kindleberger, Chapter 1 (pp.1-10)

#### II. The Pure Theory of International Trade

- A. Comparative advantage and opportunity cost
- B. The production possibility curve: constant cost vs. increasing cost
- C. The basis of trade and gains from trade under constant cost vs. increasing cost
- D. The modern theory of international trade  
Kindleberger, Chapter 2 (pp. 17-34)  
Kreinin, Chapter 11 (pp. 217-236)  
Friedrich, Chapter 1-2 (pp. 5-31)  
\*Ellsworth, Chapter 3-4 (pp. 44-47)

#### III. The Pure Theory of International Trade (Continued)

- A. Community indifference curves
- B. The basis for trade and the gains from trade restated
- C. Offer curve and general equilibrium analysis
- D. The terms of trade  
Kreinin, Chapter 11 (pp. 238-255)  
Kindleberger, Chapter 3 (pp. 35-50)  
\*Friedrich, Chapter 2 (pp. 31-45)  
Friedrich, Chapter 3 (pp. 47-63)

#### IV. Some Dynamic Aspects of International Trade, Growth and Developments

- A. Dynamic forces
- B. Changes in factor supplies through time
- C. Technological changes
- D. Change in factor supplies and technology and trade
- E. Changes in taste and trade

- F. Dynamic factors, trade and development
  - Friedrich, Chapter 6, (pp. 105-128)
  - \*Ellsworth, Chapter 7-9 (pp. 107-160)
  - Kindleberger, Chapter 4-5 (pp. 53-88)
  - Kreinin, Chapter 12 (pp. 256-271)

#### V. Commercial Policies

- A. Terms of trade effect of tariff
- B. Partial equilibrium analysis of tariff
- C. Nominal vs. effective tariff rate
- D. Protectionist vs. liberal trade policy
- E. Commercial policies and developing countries with special reference to GATT and U.S. role in international development
  - Ellsworth, Chapter 11-14 (pp. 194-258)
  - Ellsworth, Chapter 30 (pp. 530-551)
  - \*Kindleberger, Chapter 7-8, (pp. 107-144)
  - Kindleberger, Chapter 10 (pp. 159-173)
  - Kreinin, Chapter 13-15 (pp. 272-344)

#### VI. Selected Trade Problems of Developing Countries

- A. Alternative trade approaches to development
- B. Economic integration
- C. Regional integration among developing nations
- D. Tariff and nontariff barriers in some underdeveloped economies
- E. Trade and development relationships
  - Ellsworth, Chapter 29 (pp. 519-529)
  - Friedrich, Chapter 5 (pp. 85-102)
  - Kreinin, Chapter 16-17 (pp. 345-387)
  - Kindleberger, Chapter 11-12 (pp. 174-204)
  - Snider, Chapter 10 (pp. 221-236)
  - Snider, Chapter 23 (pp. 423-435)
  - Bhattacharya, Chapter 3-4 (pp. 13-28)

#### VII. Selected Trade Problems of Developing Countries (Continued)

- A. Trade vs. Aid
- B. Long term trends in commodity trade and export instability
- C. Towards collapse of the international economy
- D. The present and the future of the international economy
  - Kindleberger, Chapter 26 (pp. 435-448)
  - Ellsworth, Chapter 23-24 (pp. 409-440)
  - \*Bhattacharya, Chapter 5 (pp. 29-36)
  - Bhattacharya, Chapter 9 (pp. 61-65)
  - Snider, Chapter 24-25 (pp. 436-440)

NORTH CAROLINA A&T STATE UNIVERSITY  
Greensboro 27411

Rural Sociology 330.02: Principles of Rural Sociology  
Dr. William D. Lawson, Instructor  
Fall Semester 1978

Instructor: My office is located in Room 165, Carver Hall  
My office hours (for conference with students) are:

Please note that these are times set aside for meeting with you. If these times are not convenient for you, see me after class, or call me at 379-7715 and we will arrange a time to meet.

Course Description

A study of the basic concepts and principles of rural sociology. An analysis of major structural and processual characteristics of rural social systems. A brief survey of rural development and social change.

Required Textbook

Rogers, Everett H. and Rabel J. Burdge  
Social Change in Rural Societies, Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1972

Exams and Quizzes

There will be two formally planned and announced examinations, one at mid-term and the other at the end of the semester (final exam). You can expect two quizzes, one before mid-term, and the other before the final examination. The decision to announce these quizzes will depend on whether the assigned material is being read.

Grades and Grading

Grades will be based on (a) two examinations, (b) two quizzes, (c) two papers, and (d) participation in class discussion. The weight that will be given to the grading criteria are

Mid-term exam	(20%)
Final exam	(25%)
Quizzes	(20%)
Paper #1	(10%)
Paper #2	(15%)
Class Participation	(10%)

Attendance

Regular and punctual class attendance is expected of each student. Absence from class does not relieve the student of the responsibility for the material covered.

Format

The format of the course will be lecture/discussion. You can expect a thirty to forty-five minute lecture each day with the remainder of the class time devoted to discussion in which you will be the chief participant.

Assignments (Papers)

Each student will be required to prepare two papers during the course. The first paper (five to ten pages) is to provide a synopsis of the course content presented prior to the mid-term examination. The second paper (ten to fifteen pages) should build on the first paper and is to provide a synopsis of the course content presented prior to the final examination. The due dates for the papers are as follows:

- Paper #1    October 12, 1978
- Paper #2    December 7, 1978

AN OVERVIEW OF COURSE CONTENT

- I. Rural Sociology
  - A. Definition
  - B. Development
  - C. Substantive content areas (units of analysis)
  - D. Relationship with general sociology
  - E. Rural Sociologists--Teachers, Researchers, and Professional Practitioners'
  
- II. The Method of Rural Sociology
  - A. Concepts
  - B. Theory
  - C. Methodology
  - D. Methods of Research
  - E. Nature of Evidence
  - F. Interplay between Theory and Methods
  
- III. Basic Concepts
  - A. Culture
  - B. Norms
  - C. Role
  - D. Status
  - E. Socialization

- F. Interaction
  - G. Differentiation
  - H. Integration
  - I. Groups and Organizations
- IV. Rural Social Systems
- A. Family
  - B. Church
  - C. School
  - D. Community
  - E. Agribusiness Industry
  - F. Organizations and Movements
- V. The Rural Disadvantaged
- A. Rural Poverty
  - B. Rural Minority Groups
  - C. Rural Social Problems
  - D. The Subculture of the Rural Poor
- VI. Rural Development and Social Change
- A. Nature
  - B. Modes
  - C. Consequences
  - D. USA
  - E. Less Developed Countries

NORTH CAROLINA A&T STATE UNIVERSITY  
Greensboro 27411

Rural Sociology 330  
Principles of Rural Sociology

Selected References

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- Young, Ruth C. and Olaf F. Larson. "The Social Ecology of the Rural Community," Rural Sociology, 35:337-353, 1970

**VITA: Academic and Personal**

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University  
Greensboro, NC 27411  
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**POST HIGH SCHOOL  
EDUCATION** Knoxville College - 1964-1968  
Alabama A&M University - Summers 1965-1966  
Atlanta University - 1968-1969  
Georgia State University - Summer 1972  
Howard University - Summer 1973  
Iowa State University - 1975-1978

**DEGREES** B.A., 1968 - Knoxville College (Sociology)  
M.A., 1970 - Atlanta University (Sociology)  
Ph.D., 1978 - Iowa State University  
(Sociology)

**CERTIFICATES  
(WORK RELATED TRAINING)** Boy Scouts of America Inner City Institute  
1971  
Air University Academic Instructor School  
1974  
U.S. Defense Department Race Relations  
Institute - 1974 (Distinguished Graduate)

**HONORS** Scholarship, Atlanta University - 1968-  
1969  
Inducted into Alpha Kappa Delta National  
Sociology  
Honor Society - Atlanta University - 1969

Faculty Development Fellowship - Alabama  
State University - Summer 1972  
Fellowship, African American Institute  
Summer 1973 (Educational Study Tour  
of Four West African Countries)  
Inducted into Pi Gamma Mu Social Science  
Honor Society - Alabama State University  
1974  
Montgomery, Alabama Jaycees Distinguished  
Service Award Nominee - 1974

Selected to appear in the 1975-1976  
Bicentennial Edition of Personalities  
of the South

Research Assistantship - Iowa State  
University - 1975-1978  
American Sociological Association Fellow  
1977-1978

George Freeman Memorial Scholarship  
Gamma Chapter of Alpha Kappa Delta  
National Sociology Honor Society (In  
recognition of outstanding scholarship,  
leadership and service) 1977  
Certificate of Achievement (Scholastic)  
Minority Student Programs - Iowa State  
University - 1977-1978

**PROFESSIONAL  
AFFILIATIONS**

Former  
National Council for the Social Studies

Alabama Council for the Social Studies

Southern Association of Undergraduate  
Social Welfare Educators

Alabama-Mississippi Sociological Associa-  
tion

Present  
Midwest Sociological Society

American Sociological Association

Southern Sociological Association

Rural Sociological Society

**PROFESSIONAL  
EXPERIENCES**

Summer 1969 - Jackson, Mississippi Urban  
League (Community Organizer)

1969-1970 - LaFayette High School  
LaFayette, Alabama (Secondary School  
Teacher - Social Studies)  
Courses Taught: Alabama History, World  
History and American History

1970-1971 - Atlanta Area Council, Boy  
Scouts of America (Assistant District  
Scout Executive)  
Responsibilities: Organizing Boy Scout  
Troops, recruitment and training of adult

volunteer leaders, and coordinating the scouting program in a designated area within Southwest Metropolitan Atlanta

1971-1974 - Alabama State University  
(Instructor) Courses Taught: Introductory Sociology, Elementary Social Statistics Cultures of Africa, and Cultural Anthropology

1974-1975 - Maxwell Air Force Base, Montgomery, Alabama  
U.S. Air Force Race Relations Specialist (Civilian) Primary Responsibility: Race Relations seminar leader for seminars consisting of both military and civilian participants. Seminar Content Areas - Interpersonal Communication, Minority/Majority Group Problems, Contemporary Social Movements and Affirmative Action

1975-1978 - Department of Sociology and Anthropology, Iowa State University (Research Assistant) Duties: Task Area Coordinator - Organizational Effectiveness Project, Project funded by the United States Department of Agriculture. The purpose of the project was to develop a conceptual framework of evaluating the effectiveness of the Iowa State University Cooperative Extension Service. Project output included (1) Extension evaluation seminar for federal, state (Iowa) and county Extension personnel and (2) Evaluation Handbook.

1978 - Present - North Carolina A&T State University (Assistant Professor of Rural Sociology and Research Associate in Rural Development) Responsibilities: Teaching and Curriculum Development Rural Sociology, Rural Development Research

#### SCHOLARLY ACTIVITIES AND PUBLICATIONS

M.A. Thesis: "A Study of the Lynwood Park 'New Thrust' Program of the Atlanta Urban League from March 1969 to March 1970"

Ph.D. Dissertation: "A Comparative and Multidimensional Analysis of Organizational Effectiveness"

**Contributing Author to the following:**

- 1973 "Alternative Approaches to the Study of Africa." A Handbook prepared by the College of Education Howard University, Washington, DC for "Educators to Africa" (a group of educators from predominantly black colleges and universities, secondary and elementary schools throughout the United States).
- 1977 "Community: References from Selected Sociology and Other Social Science Journals." Exchange Bibliography #1280-1281-1282. Council of Planning Librarians. Monticello, Illinois
- 1977 "Developing Organizational Effectiveness Models for Cooperative Extension." A paper presented at the University of Wisconsin Cooperative Extension Workshop on Evaluation, Madison (February)
- 1977 "Organizational Effectiveness and Impact: A Guide for University Extension (No. ISU 7450). An Evaluation Handbook, prepared for the United States. Department of Agriculture and the Iowa State University Cooperative Extension Service
- 1978 "A Framework for Analyzing the Effectiveness of University Extension Programs." A paper presented at the Rural Sociological Society Meeting in San Francisco, California (September)

**CHURCH AFFILIATION**

St. Matthews United Methodist Church

**SERVICE FRATERNITY**

Alpha Phi Omega

**SOCIAL FRATERNITY**

Life Member, Kappa Alpha Psi Fraternity, Inc.

**MARITAL STATUS**

**Nora Davenport Lawson**

**CHILDREN**

**Sonya Danette Lawson (Born: 1969)**

**Nicole Danielle Lawson (Born: 1977)**

**REFERENCES**

**Dr. Charles Wade**

**Vice President for Academic Affairs**

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**Lincoln, Pennsylvania**

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