

COMPREHENSIVE PLANNING FOR RURAL DEVELOPMENT

Grant Progress Report

Principal Accomplishments of the Grant--1981

The grant continued to make progress during its fourth year. The major research focus remained in West Africa with continued work in Mali and a new activity starting in Senegal. The 211-d project also played a major role in the BIFAD-funded study of Agricultural Research, Education and Extension in Guyana. This was a SECID project and Tuskegee served as the lead institution.

An additional agricultural economist was added to the project staff; Dr. Fred Boadu, who recently completed a Ph.D. degree at the University of Kentucky, was hired to strengthen both the Research and Education and Training components of the project. Dr. Boadu is West African by birth and has specialized in the economic problems associated with agriculture in that region. Ms. Laurie Morgan became the Project Coordinator during FY81. Ms. Morgan had worked for the project as a student and was quite familiar with its operations.

The project continued to support both graduate and undergraduate students interested in international development. Language training continued for interested faculty, staff and students.

The 211-d project joined with the Office of Development and several other interested projects to sponsor a major conference on the Roles of Women in Development.

At the close of FY81, Glenn Howze resigned as director of the 211-d Project in order to take a two-year assignment for the

Institute in West Africa. It should be noted that the experience gained working with the 211-d Project qualified him for the new position.

John O'Sullivan, who has been actively involved in the 211-d project since its first year, has been named as the new director. Dr. O'Sullivan is a specialist in West Africa and has worked in this region a number of years. With his leadership, the project will continue its focus on the West Africa Region.

The major accomplishments of the grant during FY81 can be summarized as outputs under the five grant objectives:

Research

- a. USAID/Senegal requested that John O'Sullivan and Charles Morgan conduct a marketing study in the Bakel Region. This was completed during the summer of FY81.
- b. The project initiated in Mali during FY80 has been temporarily delayed. However, John O'Sullivan and the staff have developed a package of materials to be used for a Farm Management course. The Mali Mission anticipates that the support for the staff will come from 211-d funding.

Education and Training

a. Student Support

- 1) Eight undergraduate and five graduate students were supported by 211-d funds.
- 2) The graduate students worked with Tuskegee Institute faculty in such areas as goat production, plant propagation and the campus dairy. One graduate student continued coordinating the 211-d French Language Program. Another was part of the research team that went to Senegal. The remaining graduate student was involved in an economic study of rural Alabama.
- 3) The undergraduate students were trained to assist with reports being done by various faculty participants. This included translating (English/French), proofreading and final draft preparation on word processing equipment.

- 4) Nearly all of the students were involved in the French Training Program which was sponsored by 211-d.

b. Workshops and Seminars

- 1) Brooke Schoepf served as Moderator for a panel entitled "Black Return Migrants" at the Tuskegee Institute Centennial Conference on Rural Development.
- 2) Charles Morgan attended a USAID seminar on "Project Design and Evaluation" in Washington, D.C.
- 3) John O'Sullivan and Brooke Schoepf attended the annual meeting of the African Studies Association in Philadelphia. Dr. O'Sullivan chaired a panel and presented a paper entitled "Thoughts on the Dyula Revolution".
- 4) Brooke Schoepf addressed the Texas Tech Conference on Women and Development in Lubbock, Texas. Her topic was "Dynamics of Sociocultural Change".
- 5) Glenn Howze and John O'Sullivan attended a USAID/USDA Farming Systems Research Conference in Washington, D.C.
- 6) Glenn Howze attended a 211-d Workshop sponsored by North Carolina A & T University on "The Role of the Small Farmer in Rural Development" in Greensboro, N.C.
- 7) John O'Sullivan attended the Southeastern Regional Seminar on African Studies at Emory University in Atlanta.
- 8) John O'Sullivan presented a paper: "Gao, Mali--Modes of Production at the Edge of the Desert" at the annual meeting of the Arid Lands Association in San Diego.
- 9) Laurie Morgan attended a SECID conference on "Responding to the Needs of Rural Women" in Frankfort, KY.
- 10) The 211-d grant sponsored the following workshops and seminars at Tuskegee Institute:
 - "Tuskegee Institute's Role in International Development (B.D. Mayberry, Tuskegee Institute, Director of International Programs).
 - "Current International Programs at Tuskegee Institute" (Ralphenia Pace, Tuskegee Institute, Title XII International Food and Nutrition Project; Glenn Howze, Tuskegee Institute, 211-d Project; and Tom Simmons, Tuskegee Institute, 122-d International Health Project).

- "Exploring International Careers" (John O'Sullivan, 211-d Project).
- "An Agricultural Study of Zaire" (Brooke Schoepf, 211-d Project).
- "Gao, Mali: Modes of Production at the Edge of the Desert" (John O'Sullivan, 211-d Project).
- "The Impact of Price Variation of Fertilizer Inputs on Production and Income" (Fred Boadu, University of Kentucky).
- "Farm Management in West Africa" (Dave Wilcock, Michigan State University).

c. Curriculum Modification

Glenn Howze, John O'Sullivan, Robin McIntyre and Brooke Schoepf continued to teach courses related to international development in the departments of Sociology, Agriculture and History. Fred Boadu was added to the faculty of Agricultural Economics to strengthen the grant program.

d. Faculty/Staff Training

- 1) Approximately twenty-two Tuskegee Institute faculty/staff members participated in the 211-d French Language Program. They represented such departments as: Art, Chemistry, Engineering, English, Music, Sociology, Physical Plant, ROTC, Title XII/Home Economics, 122-d Project and the 211-d Project. The program was coordinated by Cheickna Singare, a graduate student. During FY81, two undergraduate students, Mamadou Keita and Andrew Tanjong instructed some of the beginning and intermediate classes.
2. Andrew Tanjong has been trained to coordinate the French Program following Cheickna Singare's graduation.

Advisory and Consultative Services

- a. Glenn Howze completed the report "Future Manpower Needs for CAA Graduates and an Evaluation of the Present Training Program by Employers of CAA Graduates". This report was sent to the World Bank/GRM Evaluation Committee.
- b. Glenn Howze served as Team Leader for the Baseline Study of the Research, Education and Extension System in Guyana (January-June, 1981).

- c. Brooke Schoepf took a six-week leave of absence from the Project and served as the medical anthropologist on a design team for a health project in Liberia.

Linkages and Networks

a. Domestic:

1. The 211-d Project co-sponsored an International Conference: "Women and Development: Collaboration for Action" (involving 1399 Land Grant Schools, Title XII Schools, 122-d Schools and various agencies and international organizations).
2. John O'Sullivan and Glenn Howze met with USDA and USAID officials in Washington, D.C.
3. The brochure "Tuskegee Institute and International Development" was mailed to various bureaus and agencies as well as other schools interested in international development.
4. Supporting participation in relevant professional organizations.
5. Supporting participation in BIFAD meetings and workshops.
5. Supporting participation in SECID meetings and workshops.

b. International:

1. Meeting with local government officials from Togo, Zaire, Madagascar, Seychelles, Liberia, South Africa, Senegal and Kenya as they toured the U.S. as part of Operation Crossroads.
2. Meeting with Mr. Demba Seck, Advisor to the Minister of Health for Senegal.
3. Glenn Howze met with officials of the Guyana Ministry of Agriculture during the Baseline Study conducted in that country.
4. Glenn Howze met with Ms. Beatrice Hamilton, Deputy Secretary for Economic Technology, and Culture Minister of Foreign Affairs for Sierra Leone. The visit to Tuskegee was arranged by the African American Institute.
5. The 211-d Project participated in the "Keys to Development" conference for African Students studying at American universities. The Conference was sponsored by the Tuskegee Institute Human Resources Development Center and was partially funded by USAID and USDA.

Information Capacity

- a. Revision of the brochure "Tuskegee Institute and International Development" outlines the Institute's experience and interest in international programs.
- b. Completion of the proceedings of the conference "The Role of U.S. Universities in International Rural and Agricultural Development", held here during the spring of 1980.
- c. "Continued acquisition of books, journals and other library materials. A check-out system has been instituted.

Comments

The report submitted to Senegal was quite favorably received and in December an addendum to the report was provided as requested. A French version of the report was submitted to Senegal as well.

International activities at Tuskegee are becoming more coordinated campus wide. A seminar program in conjunction with the 122-d grant has begun and the 211-d and 122-d offices cooperated in receiving Dr. A.R. Massaquoi (Liberia, Deputy Minister of Health) and in the Mid-Winter USAID conference.

In November and December the staff of the 211-d (with interested faculty and staff on campus) drew up a proposal for a Master's in Rural Development. This would be a hands-on, practical degree providing a core of social science and quantitative methods and then options for various specializations. This program is being proposed for consideration and a flier was prepared to test interest in this project. [An example of it is given in Appendix A.] Our feeling is that Tuskegee has strengths across campus, but as a small school does not have major depth in one area, so such a pro-

gram would work well. If the survey shows that the degree will be acceptable, we will proceed with our proposal.

The 211-d Center is also working to establish itself as a center for data collection and analysis of agricultural economic analysis. We have proposed that the Master's in Agricultural Economics Program be reestablished on campus. For various reasons the program disappeared during the mid-70's, but it is obvious that the time has come to rebuild it. Unfortunately, Dr. McIntyre resigned at the end of December, so at present only Dr. Boadu (with a Ph.D. in Agricultural Economics) and Dr. O'Sullivan (who is finishing an M.S. in Agricultural Economics) are working on establishing this program. Dr. O'Sullivan is teaching three classes in history as well. [See Appendix B for Proposed Master's in Agricultural Economics.]

Proposed Activities - 1982

The 211-d Program expects to continue the program it has begun in terms of on-campus and international activities. Support will continue to be given to seminars, conferences, professional meeting participation, literature acquisition and computational and word processing capabilities so that we can continue to generate high quality reports and papers in a timely manner.

The 211-d Program expects to send a team to Mali this summer to direct a Farm Management workshop in conjunction with the IER (Bamako). It has also sent a scope of work to Upper Volta with a proposal for a short-term summer consultancy activity. It is also

in contact with SECID about long-term options.

There is much other unfinished business. There are two students (Charles Morgan and Mamadou Koita) who have progressed very satisfactorily with their program of study but who need at least one full semester of study after August to complete their degree.

Given all the personnel changes last year--Dr. Howze and Dr. McIntyre leaving the office and Dr. Boadu joining it, the 211-d office is just now establishing a new coherent plan and personality. Further time will permit the institutionalization process to continue.

As indicated above, we have proposed two new programs which will substantially improve Tuskegee's capabilities in the applied social sciences. The Master's in Rural Development and the Master's in Agricultural Economics programs both are taking planning and development time. It is hoped that at least one of them will be in place by September of this year, though there are significant hurdles to cross. Next year is expected to be a time for institutionalization.

The Center is also proceeding aggressively with its data processing and analysis capabilities. In December a new computer was installed on campus (a VAX 11/750) and we are making a transition from our Hewlett-Packard. At the same time, we are working with Agriculture's micro-computer (a TRS-80). With both, we are working with budgets, lp and other models relevant for our West African analysis.

In November, Dr. Boadu and Dr. Mack Wilson (Agriculture Dept.)

went to an FSR seminar at Kansas State University. We have proposed to the Dean that our research take an FSR direction and are proceeding in that direction. Dr. Schoepf is presently writing up a proposal to NSF for an anthropological approach to FSR.

Conclusion

The Center for Rural Development, 211-d Project, is in the process of implementing many of its goals. Because of significant personnel changes this process has had its ups and downs, but there is reason for optimism. Since there are available funds already allocated for the grant, but not used---particularly because of the personnel changes, it is hoped that an extension of our project will be granted.

September 1980 - January 1982

Books and Journals

Africa News Weekly Digest	(subscription)
Agricultural Decision Analysis	
The Agricultural Mission of Churches and Land-Grant Universities	
An Agenda for Small Farms Research	Madden and Baker
Annuaire de l'Afrique et du Moyen Orient, 1981-82 Economie et Developpement	
Annotated Bibliography of Current Literature on Social Indicators	Gilmartin, et al.
The Analysis of Cross-Classified Categorical Data	Stephen Fienberg
Analysis of Covariance	Wildt/Ahtola
Analysis of Ordinal Data	Hildebrand, et al.
The Ancient Africans	
The Alcohol Fuels Report: A Complete Guide to Ethanol	
Applied Regression: An Introduction	Lewis-Beck
Appropriate Technology for Development	Evans/Alder
Applied Economics, Resource Allocations	
Beyond Ujamaa in Tanzania: Underdevelopment and Uncaptured Peasantry	
Bitter Mellons	
Black Leaders in Southern African History	Christopher Saunders

Caribbean Agricultural Science (Books I and II)	
Casual Modeling	Asher
Centennial Edition of the Statistical Abstracts of the United States	
CERES	(subscription)
Chronicle of Higher Education	(subscription)
Cohort Analysis	Gleen
Conquest of World Hunger and Poverty	
The Cow of Ken Paye	
Desertification	Glantz
Dictionary of the English Language (unabridged)	Random House
The Diffusion of Regional Underdevelopment: Articulation of Capital and Peasantry in Sukumaland, Tanzania	Michael K. McCall
Dimensions of World Food Problems	
Discriminant Analysis	Klecka
Economics of the Product Markets of Agriculture	
Education for Development and the Rural Women	N. Clark
Energy and Small Farms: A Review of Existing Literature and Suggestions Concerning Further Research	Butten, et al.
An Evaluation of Improved Soil-Crop Production Technology on Small Farms in Northern Nigeria Under Different Farm Power Sources: A Multiperiod Linear Programming Approach	Abraham Ogunbole
FAO Production Yearbook, 1979 volume 33	FAO
Farm Management Manual	
Farm Policy: 13 Essays	
Food and Development in the Semi-Arid Zone of East Africa	P.W. Porter
Food and Social Policy	

Global 2000 Report to the President

Global Rift: The Third World Comes of Age Stavrianos

Grain Demand on Consumer Preferences: Dakar, Senegal Clark Ross

Guide to Meat Inspection in the Tropics

Handbook of Social Indicators: Sources, Characteristics
and Analysis Rossi & Gilmartin

Handbook of Criterion-Referenced Testing Shaycoff

The Ideology of Slavery in Africa Lovejoy

Interrupted Time Series Analysis McDowall

The Jaguar

Jeune Afrique (subscription)

Linear Programming Model of a Representative Sahelian
Farm: The Cases of the Cotton Zone in Mali and the
Peanut Zone in Senegal Abdoulaye Niang

Log-Linear Models Knoke/Burke

Macroeconomics for Africa Charles Harvey

The Management and Diseases of Sheep

Marketing, Price Policy and Storage of Food Grains
in the Sahel, volumes I and II

Marketing and the Small Farmer Thompson

Modes of Production in Africa Crummev

Mexico's Agricultural Dilemma Paul L. Yates

Nigeria: Iron Making the Old Way

Operations Research Methods

Perspectives on Nonformal Adult Learning L. Srinivasan

The Political Economy of Underdevelopment O'Brien

Off-Farm Earnings and Small Farms Jones, et al.

Proceedings of the World Food Conference, 1976

MISSING PAGE
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Production Efficiency and Technology for Small Farms	Madden, et al.
Protein, Calories and Development	Schmitt
Report: Word Processing Systems User Ratings	
Report: All About 100 Word Processors	
Report: All About 90 Word Processing Software Packages	
Report: Glossary of 263 Word Processing Terms	
Reforming Grain Marketing Systems in West Africa	Elliott J. Berg
Rice in West Africa: Policy and Economics	Scott Pearson, et al.
Social and Technological Management in Dry Lands	Gonzalez
Southern Africa: Civilizations in Turmoil	
SPSS (Statistical Package for the Social Sciences)	Nie
SPSS Primer	Nie
SPSS-11	Nie
State of Alabama Official Telephone Directory	
Structure of Agriculture and Information Needs Regarding Small Farms	Tweeten, et al.
Time Series Analysis: Regression Techniques	Ostrom
Traditional Health Care Delivery in Contemporary Africa	P. Ulin
A Village Level Study of Producer Grain Transactions in Rural Senegal	Clark Ross
The World Food Problem and US Food Politics and Policies 1972-1976; 1977; and 1978 (3 books)	
World Food Production, Demand and Trade	
World Hunger	
Yellow Book (federal)	(subscription)

COMPUTER HARDWARE

I. Purchased by the 211-d Project:

- Hewlett Packard 2644A Terminal
- Xerox 1740 Terminal (letter quality printer)
- Digital VT100 Terminal
- Digital Decwriter IV Terminal (printer)

II. Other hardware at the disposal of the 211-d staff:

- TRS-80 Micro-computer
- Xerox 1700 Terminal (letter quality printer)
- Artec Display 2000 (word processor)

Seminars 1980 -81

October 23, 1980 - Dr. Roger Woodworth, Agricultural Economist
Tennessee Valley Authority, Muscle Shoals, Ala.

" Programs and Methods of Increasing Incomes For Limited
Resource Farmers"

February 5, 1981 - Dr. Harold Riley, Professor and Chairman
Department of Agricultural Economics
Michigan State University, East Lansing, Mich.

" Food Systems Organization and Management Problems in
Developing Countries"

March 5, 1981 - Mr. Alfred Harding, Senior Project Officer,
Africa Project Division, Agency For International
Development, Washington, D.C.

" Project Design & Programming in International Development
Activities"

April 3, 1981 - Dr. James B. Bell, Extension Specialist, Marketing
Virginia State Ag. Extension, V.P.I., Blacksburg Va.

"The Role of Agricultural Cooperatives in Developing Countries"

April 22-24, 1981 - Symposium on "Small Farm Food Production Systems
and Nutrition in Rural Development"