

BRIEFING PAPER

AGRICULTURE AND NATURAL RESOURCES DIVISION
AFRICA BUREAU, OFFICE OF TECHNICAL RESOURCES

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Agriculture and Natural Resource Division

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Compiled by Archie C. Hogan Jr., AFR/TR/ANR/FS

October 1988

Agriculture and Natural Resources Division

I. Introduction:

A. The Agriculture and Natural Resources Division, one of the four divisions of the Office of Technical Resources of the Bureau for Africa, is the focal point for activities in agriculture, rural development and natural resources. The Division consists of three branches, Field Support (AFR/TR/ANR/FS), Planning and Analysis (AFR/TR/ANR/PA), and Natural Resources (AFR/TR/ANR/NR). As a division within the Office of Technical Resources it:

1. Formulates sectoral policies in agriculture and natural resources;
2. Keeps missions' agricultural development officers informed of A.I.D. requirements on sectoral and technical matters;
3. Provides participants to serve as members of project committees during the development, review, approval, implementation and evaluation processes to ensure that all technical requirements are being considered and satisfied.
4. Advises on all Africa Bureau agricultural/rural development/natural resource personnel assignments.
5. Assists missions in obtaining technical project support services.
6. Manages assigned regional programs and projects.

II. Objectives:

A. The objectives to which activities, programs and projects initiated, implemented and/or managed by the Agriculture and Natural Resource Division, are directed, are the following:

- (1) To increase the incomes of the poor majority in African Societies and to expand the availability and consumption of food, while maintaining and enhancing the natural resource base;
- (2) To increase farm and non-farm employment and incomes to enable low-income households to purchase available food;
- (3) To promote private agricultural marketing and distribution systems for food produced domestically and imported;
- (4) To encourage market-oriented, efficient, low cost production of food and other crops on small family farms on a sustainable basis;
- (5) To incorporate sound nutritional and food consumption principles into the design and implementation of agriculture and rural development activities.

III. ANR Administration

A. The Agricultural and Natural Resources Division is headed by Lance Jepson, Chief of the Division and the senior agricultural development officer, who reports to the Director of The Office of Technical Resources, in the Bureau for Africa. He is assisted by three branch chiefs:

Norm Sheldon, Field Support Branch
Abdul Wahab, Natural Resources Branch
Tom Hobgood, Planning and Analysis Branch

B. Functions and Responsibilities of ANR Division

The Agricultural and Natural Resources Division has the following functions and responsibilities within its substantive areas:

- (1) Develops technical guidance for and provide assistance to Africa Bureau offices and sub-Sahara missions in the formulation of country assistance programs and projects.
- (2) Directs and manages Division activities related to developing and implementing the regional programs.
- (3) Reviews all project proposals in terms of conceptual soundness, technical adequacy of design, and the technical feasibility of implementation.
- (4) Serves as the Africa Bureau's point of contact on all technical matters and clears all communication to the field on matters within its purview; participates with other A.I.D. offices in the formulation of A.I.D. policies and objectives in the area of technical assistance.
- (5) Serves as the principal focal point in the Africa Bureau with professional groups, institutions, and individuals to encourage interest and participation of outside professional resources in Africa Bureau programs.
- (6) Assures the availability of qualified technical expertise in the Africa Bureau and missions during the development and implementation of all Africa programs.
- (7) Keeps the mission technical offices informed on A.I.D. requirements with respect to technical matters of interest to the missions. Assists the missions in obtaining technical project support services as necessary.
- (8) Makes periodic field trips to monitor performance of technical personnel and contractors and to review with and advise mission directors on overall program development and implementation.

IV. Roles and Functions of the ANR Branches:

A. The Field Support Branch (AFR/TR/ANR/FS)

The Field Support Branch is headed by Norm Sheldon, an Agricultural Development Officer. He is assisted by four Foreign Service ADO's (Larry Abel, Russ Backus, Archie Hogan, Rich Newberg) one GS ADO (Charles Morgan), one Contract/RSSA Communications Specialist (Millie Konan), four IDI's and one GS Secretary (Hermena Butler). The following countries are backstopped by the Branch:

1. Country Backstopping

Charles Morgan - Sahel

Burkina Faso (Tel: 647-8837)
Cape Verde
Chad
Gambia
Mali
Mauritania
Niger
Regional/Sahel
Senegal

Charles Morgan - W. Africa

Cameroon
Central African Republic
Equatorial Guinea
Ghana

Russ Backus - E. Africa

Comoros (Tel: 647-9765)
Djibouti
Ethiopia
Kenya
Mauritius
REDSO/ESA
Seychelles
Somalia
Sudan
Tanzania
Uganda

Russ Backus - S. Africa

Angola Mozambique
Botswana Namibia
Lesotho Swaziland
Madagascar Regional/SA
Malawi Zambia
Zimbabwe

Archie Hogan - W. Africa

Benin (Tel: 647-8767)
Burundi
Congo
Cote d'Ivoire (Ivory Coast)
Gabon
Guinea
Guinea Bissau
Liberia
Nigeria
REDSO/WCA
Rwanda
Sao Tomo/Principe
Sierra Leone
Togo
Zaire

Richard Newberg - Reg.

SAARFA (Tel: 647-8825)

Sub-projects:

CIAT
CIMMYT
CIP
ICIPE
IFDC
IITA
ISNAR
WARDA
IFDC (2)
S&T BUY-INS (3)
Univ. Minn - Rwanda

2. General Responsibilities - Field Support Branch

The Field Support Branch provides AID/W general backstopping and/or management oversight for agricultural, rural development and natural resource projects, programs, and activities being planned, implemented or evaluated in and for the field. It also manages assigned regional projects. Major responsibilities of the Branch are:

- (a) Serves as the primary interface point on agricultural issues between missions, regional personnel, contractors, universities, other USG agencies and the private sector.
- (b) Participates in conducting regional and country specific analyses and assessments.
- (c) In consultation with the Planning and Analysis and Natural Resource Branches, provides guidance, advice and assistance on the development, implementation and evaluation of regional, Africa-wide or country specific agricultural/rural development/natural resource activities.

3. Specific Responsibilities Field Support Branch

- (a) In consultation with the Project Analysis and Natural Resources Branches provides guidance to the chief of the Agricultural and Natural Resource Division on all aspects of personnel endeavors (ie. maintain assignment sheet which lists positions in Africa Bureau, ADO's up for assignment, etc.). The Head of the Field Support Branch will serve as the lead person for the Division on personnel matters.
- (b) Develops and maintains country and statistical profiles for all backstopped countries. As a minimum, the country profile will contain, in addition to the usual agronomic, economic and social data, due dates and frequency of CDSSs, Agriculture Sector Assessments, Action Plans, AEPRS's, PID's, PP's, etc.
- (c) Serves as lead entity for project design, implementation and evaluation of field missions projects, programs and activities.
- (d) Assists and supports the Project and Analysis and Natural Resource Branches in review of Country Development Strategy Statements (CDSS), Action Plans, Annual Budget Submissions, Unsolicited Proposals, AEPRP's and other Non Project Assistance endeavors.

B. Planning and Analysis Branch (AFR/TR/ANR/PA)

The Planning and Analysis Branch is headed by Tom Hobgood, ADO. He is assisted by one GS Agricultural Economist (Bernard Lane), two FS Agricultural Economists (Lee Hall, Tim O'Hare), and one Construct/RSSA Agricultural Economist (Patricia O'Brien vice Gloria Steele).

1. General Responsibilities - Planning and Analysis Branch

The Planning and Analysis Branch provides advice and guidance to the Agricultural and Natural Resource Division, and to missions overseas on a variety of macro and micro development planning and policy issues for the agriculture, natural resources and rural development sectors. Within the ANR Division the PA Branch is Responsible for:

- (a) Providing leadership in the development and implementation of agriculture, rural development, and natural resource strategies and policies.
- (b) Designing and assisting Missions in carrying out sector analyses and other special subsector studies.
- (c) Providing leadership within ANR in the evaluation of sector and subsector strategies and the development of indicators for ANR projects/programs.
- (d) Coordinating the AFR/TR/ANR review and analysis of CDSS's Annual Budget Submissions, Non-Project Assistance, Policy Reform Documents, and other broad assistance strategy documents.
- (e) Reviewing for the Division, economic, institutional and social analyses of project and non-project assistance documents.
- (f) Assisting field missions in the preparation of CDSSs', Project and non-project assistance design documents, and in evaluation of activities.
- (g) In collaboration with the Field Support and Natural Resource Branches and the Assistant Director of Research in the Office of Technical Resources, provide technical guidance to missions on Agricultural research/education, agricultural marketing, agricultural policy reform and analysis.

2. Specific Responsibilities - Planning and Analysis Branch

- (a) Assists with developing Bureau strategy for agricultural marketing.
- (b) Designs and implements detailed study on the impact of Bureau's agricultural research activities (SOW: Sept. 1988, Implementation of Study: March 1989)
- (c) Identifies and initiates testing of impact indicators to measure effects of Agricultural and natural Resource projects and programs on food availability and consumption, incomes, and natural resource base. (Indicators identified by Dec. 1988; testing underway by March 1989).

(d) Coordinates ABS reviews within the ANR division and collaborates with AFR/DP in analyzing budget allocations for specific subsectors.

(e) Manages the RSSA with USDA/OICD and share supervisory responsibilities with the Field Support Branch and Natural Resource Branches for all RSSA assigned personnel.

C. Natural Resources Branch - AFR/TR/ANR/NR

The Natural Resources Branch is headed by Agricultural Development Officer, Abdul Wahab. He is assisted by three DH employees, Bessie Boyd-GS (Bureau Environmental Officer), John Gaudet-AD (Environment and Natural Resource Liaison Officer), and Dwight Walker-FS (Natural Resource Officer), one GS Secretary, Audrey Huntley, and seven Contract/RSSA employees: Bill Barron (Energy Advisor), Greg Booth (Biological Diversity Advisor), Carl Castleton (Locust/Grasshopper Entomologist Advisor), Lee Hannah-AAAS-Fellow (Environment and Conservation Advisor), Mike McGahuey (Natural Resource/Forestry Advisor), Doug Sutherland (Environmental Entomologist), Cynthia Weir-Part time Program Assistant.

1. General Responsibilities - Natural Resources Branch.

The Natural Resources Branch has the following responsibilities:

(a) Provides advice and/or guidance to field missions, including REDSOs, and A.I.D./Washington in, but not limited to, natural resources, forestry, biodiversity, sustainable agriculture, energy and environment.

(b) Implements the Africa Bureau's Plan for Supporting Natural Resources Management in Sub-Saharan Africa.

(c) Manages the Africa Bureau's responsibilities for compliance with A.I.D. Regulation 16 (Environmental impact assessments)

(d) Coordinates Bureau natural resources strategies with those of other donors.

(e) Analyzes the impact of natural resources development strategies and recommends specific courses of action and policies.

(f) Provides technical advice, assistance and expertise to the Africa Bureau and field missions in the development and assessment of natural resources strategies, plans and programs.

(g) Reviews projects and unsolicited technical proposals submitted to the Africa Bureau and/or field missions dealing with natural resources planning and policy analysis, sector analysis or other similar activities and recommends appropriate courses of action.

(h) Assists TR/ANR/FS in the technical review of the Africa Bureau, field missions and centrally-funded activities on natural resources activities and provides recommendations on feasibility, adjustments and appropriate courses of action.

(i) Maintains contacts with technical, scientific and professional authorities on natural resources in the United States and throughout the world.

(j) Represents the Africa Bureau in meetings, within A.I.D. and outside, related to the development and implementation of natural resources strategies, projects and programs. Coordinates Bureau resources strategies with those of other donors.

(k) Identifies and coordinates experts from within and outside the Agency to carry out natural resources review, analysis, planning and technical services.

(l) Collaborates with TR/ANR/PA to maintain one or more management information systems covering Africa Bureau natural resources projects.

(m) Manages Africa Bureau regional projects/activities in the natural resources technical fields.

2. Specific Responsibilities.

(a) Provides guidance for establishing natural resource and renewable energy priorities focusing on effective implementation of: (1) the Plan for Supporting Natural Resource Management in Sub-Saharan Africa and (2) the Regional Natural Resource Management Support Project (698-0467).

(b) Assists with reviewing the technical inputs of an estimated 50 A.I.D. documents including CDSSs, program weeks, Annual Budget Submissions, PPs and PID designs.

(c) Provides Africa Bureau leadership to the agency task force on Desert Locust Control to insure timeliness, coordination and appropriateness of the USG assistance. Manage the Africa Emergency Locust Grasshopper Assistance Project which provides non emergency assistance to African Countries in the control of locust/grasshoppers.

(d) Provides leadership in convening donor coordination meetings in natural resources, renewable energy and sustainable agriculture in pursuance of PNRM objectives.

V. Regional Projects, Programs and Activities

The Agriculture and Natural Resource Division manages three diversified projects. The Field Support Branch of the Division manages the Strengthening African Research and Faculties of Agriculture (SAARFA) Project. The Natural Resources Branch manages the Natural Resources Management Support Project (NRMS) and the African Emergency Locust/Grasshopper Assistance Project (AELGA).

A. (SAARFA) The Specifics on the strengthening African Agricultural Research and Faculties of Agriculture (SAARFA) Project are provided below.

Project Number: 698-0435

Project Manager: Rich Newberg

Current PACD: September 29, 1992

Initial PACD: June 30, 1989

Initial Authorization: August 24, 1982

Initial Obligation: \$1.85 Million

Last Evaluation: None for overall project

Next Evaluation: 1/89

LOP: \$41 million

Cumulative Obligations: \$24,141,000 as of March 31, 1988

Cumulative Expenditures: \$8,191,000 as of March 31, 1988

1. Project Purpose: To strengthen African National and Regional Agricultural Research Systems and programs to address research priorities identified within the various agroecological zones of Sub-Saharan Africa by;

- Improving donor coordination in planning and implementing agricultural research activities, and
- developing regional and national subprojects that address priority needs within these programs.

2. Description: The SAARFA project is the primary vehicle through which the Agency has fulfilled its responsibilities under the CDA Agricultural Research Initiative. In 1983 and 1984 CDA donors initiated long-term planning and design activities, culminating in Zonal Program documents for the Sahel, Eastern and Southern Africa. The SAARFA project has subsequently been amended to the goals of CDA: to increase coordination and strengthening of national agricultural research programs. The project consists of direct activities as well as a number of subprojects:

3. Direct Activities:

- (a) RSSA with USDA to provide T.A. for planning, monitoring, evaluating and coordinating CDA-related projects and specific CDA-SAARFA subprojects for \$1,000,000; began 8/29/83 and extended to PACE (9/29/92).

(b) PASA with USDA to provide an AID/IITA Agricultural Liaison Officer and a locally hired Administrative Assistant for \$491,000; began 9/28/87 to the PACD (9/29/92).

(c) PSC with Hudson Masambu as Administrative Assistant to manage the SAARFA subjects overseen by REDSO/ESA for \$75,000; began 9/22/86 to 9/30/99.

(d) Grant to IFPRI to conduct research on the effects of selected policies and programs on consumption patterns and child survival in Africa for \$270,000; began on 7/1/87 and extended to 6/30/89.

(e) Letter Grant to Jonathan Hooper for thesis research on the effect of farmer-built filtrating dike systems on increasing soil fertility and reversing soil degradation in the Sahel (Burkina Faso) for \$20,000; beginning 9/30/88 to 9/30/89.

(f) Funding for an ERIM symposium on remote sensing and the environment for \$22,000 from Oct. 20-26, 1988.

4. Subproject Activities:

(a) CIAT - Bean Research in East Africa (698-0435.01)

Funding for 5 year LOP beginning 7/27/84: - U.S.: \$2,500,000
- Canada: 42,500,000

Purpose: Develop components of new bean production technology for traditional and improved cropping systems in collaboration with national programs. Strengthen national research capability through training and provide workshops for networking bean researchers in East Africa.

(b) ICIPE - Bases of Plant Resistance to Insect Attack (698-0435.02)

Funding for 5 year LOP) beginning 8/27/84: - U.S.: \$2,500,000
- World Bank: \$2,500,000

Purpose: To understand the physical, chemical, genetic, and morphological causes of insect resistance to target crops and develop resistant germplasm for use in national and international breeding programs. (Target crops: maize and sorghum)

(c) CIMMYT II - Farming Systems Research (698-0435.03)

Funding for 5 years LOP beginning 5/20/85; - U.S.: \$5,500,000
- Canada: \$1,300,000

Purpose: Provide technical assistance and training to institutionalize farming systems research and on-farm research methodology in national agricultural research institutions in the countries of Eastern and Southern Africa. Also promotes networking among cooperating research institutions within the two regions.

(d) CIP - Regional Potato Improvement Program for Central Africa (PRAPAC)
(698-0434.04)

Funding for 5 year LOP beginning 2/16/86; - U.S.: \$1,557,000

Purpose: To develop and disseminate improved potato varieties and cultural practices specifically adapted to the region (a potato improvement research network).

(e) ICRAF - Forestry/Fuelwood Research and Development (buy-in to S&T Project 936-5547) (698-0435.05)

Funding for 5 year LOP beginning 8/31/86: - Africa Bureau: \$300,000
- S&T Bureau: \$2,400,000
- USAID Missions: \$1,300,000

Purpose: To help improve sustainable agricultural productivity in Africa through greater adoption of agroforestry technologies compatible with local land use conditions, thereby increasing national capacity for food self-sufficiency.

(f) ISNAR II - Southern African Agricultural Research Management Training
(698-0435.06)

Funding for 4 year LOP beginning 8/29/86: - U.S.: \$700,000
- Canada: \$903,000

Purpose: To strengthen the capacity of agricultural research administrators in Southern Africa to organize and manage research activities which effectively and efficiently address the regions food problems.

(g) IITA - East and Southern Africa Rootcrops Research Network (ESARRN)
(698-0435.07)

Funding for 3 year LOP beginning 3/87: - U.S.: \$943,000
- Canada: \$379,000

Purpose: To develop and disseminate improved varieties of rootcrops through a network of rootcrops scientists in the region (cassava, sweet potatoes, yams).

(h) Michigan State University - Food Security in Africa (buy-in to S&T Project number 931-1190) (698-0435.08)

Funding for 3 year LOP beginning 5/11/87; - Africa Bureau: \$600,000
- Missions: \$2,500,000

Purpose: To assist African countries in formulating effective strategies and management processes for dealing with food security problems. This is accomplished through applied research, training and institution building activities, and dissemination of both research methodology and research results through networks, publications, etc. Supports applied research on food systems in selected african countries, synthesizes results for application to other countries.

(i) University of Wisconsin - Access to Land, Water, and Natural Resources (ACCESS) (buy-in to S&T Project No. 936-5301) (698-0435.09)

Funding for 2 year LOP beginning 5/87: - African Bureau: \$500,000
- plus Mission Buy-ins

Purpose: To address land tenure constraints to equitable and efficient use of Land, including constraints to sustainable agriculture and natural resource management. Provides problem solving research and technical assistance in critical areas of natural resources management and sustainable agriculture where land tenure is an important consideration.

(j) IFDC - Fertilizer Investment for Soil Fertility Restoration in West Africa (698-0435.10)

Funding for 2 year LOP beginning - U.S.: \$2,700,000
World Bank: 42,700,000

Purpose: To study the agronomic and socioeconomic viability of using soil amendments and fertilizers as components of capital investment strategies to restore the productivity of fertility depleted croplands. This subproject provides the agronomic research on soils and soil fertility which is needed to support research on food crops (commodities) and networking the national research systems in the region with an IARC as provided for in the Plan for Supporting Agricultural Research and Faculties and Agriculture in Africa.

(k) University of Minnesota - Strengthening the Teaching and adaptive Research Capability of the National University of Rwanda (698-0435.11)

Funds for 5 year LOP beginning 9/30/87: - U.S.: \$2,046,000

Purpose: To improve the ability of the Rwandan research system to adapt new technologies for improved income production and environmental protection, that were developed by research institutions in other countries, through strengthening the capability of faculty of UNR in conducting and teaching adaptive research. This subproject strengthens linkages between Rwanda's agricultural research and education institutions by improving the quality and quantity of Rwanda's cadre of agricultural research scientists.

(l) IFDC/IFPRI - Fertilizer Policy Research for Tropical Africa (698-0435.12)

Funds for 5 years LOP beginning 9/1/87: - U.S.: \$3,721,000

Purpose: To generate information about the benefits, costs, and income distribution effects of various policies which could be adopted by governments of tropical African countries to increase food production, generate income for the rural poor, and promote agricultural development through the judicious use of organic and/or chemical fertilizers. The generated information will facilitate the decision-making process in project countries and promote the adoption of more

effective policies to achieve economic development. Fertilizer policy research under the SAARFA project is an integral component supporting the commodity focus of the Plan.

(m) WARDA - Mangrove and Associated Swamp Rice Research (698-0435.13)

Funds for 2 year LOP beginning 9/28/87: - U.S.: \$1,400,000.

Purpose: To assist the mangrove and associated swamp rice research work being carried out at the Rokupr Research Station in Sierra Leone during WARDA's transition to a full membership in CGIAR. Rokupr's mangrove rice research program has demonstrated successes in varietal improvement as well as developing appropriate packages of cultural practices. WARDA has linkages with the national rice research programs in Sierra Leone and other West African countries where Mangrove rice ecologies exist.

B. (NRMS) Specifics on the National Resources Management Support (NRMS) are discussed below:

Project Number: 698-0467

Project Manager: Dwight Walker

Current PACD: September 30, 1990

Initial PACD: September 30, 1990

Initial Authorization: \$8,510,000

Initial Obligation: \$310,000

Last Evaluation: NA

Next Evaluation: Not yet Established

LOP Funding: \$9,805,600

Authorized:	\$8,510,000
Buy-ins	: 1,295,600
Total	: <u>9,805,600</u>

Cumulative Obligation: \$3,295,600 Est. End of FY 88

1. Project Purpose:

The project purpose is to increase the quality and level of natural resources management activity in A.I.D.'s country and related regional programs in Sub-Saharan Africa, and in Private Voluntary Organizations programs supported by A.I.D.

2. Description:

The project is designed as the Africa Bureau's vehicle for systematic support to AID Missions and PVOs to help them strengthen their NRM programs and projects. The project will finance a broad range of support activities, chargeable to Program Development and Support (PD&S) funds. NRMS is a service project. With the exception of selected biological diversity activities and a one-time contribution of remote sensing equipment to Cote d'Ivoire for NRM-related purposes, NRMS is designed neither to finance nor implement field projects of AID Missions and PVOs nor to fund long-term personnel. NRMS will respond to service requests consistent with the PNRM and related Bureau and Agency policy, help coordinate the response of S&T service projects to Missions needs, foster awareness and training programs in NRMS, strengthen PVOs through technical assistance and training and sponsor studies and research to enhance the design and impact of field projects. NRMS also will provide selective grants consistent with these objectives. In sum, NRS will function as both catalyst and response agent in providing its support.

C. (AELGA) Specifies on the Africa Emergency Locust/Grasshopper Project are discussed below:

Project Number: 698-0517
Project Manager: John Gaudet
Current PACD: 9/30/90
Initial PACD: 9/30/90
Initial Authorization 4/3/87
Initial Obligation 5/20/87
Last Evaluation None
Next Evaluation 10/88
LOP Funds: \$19,020,000

- ARDN - 3,791
- Sahel - 1,000
- DFA - 14,229

Authorized LOP: 19,020

Interim FEW Locusts
Core: 4,020 Core: 15,000

Buy-Ins

Prior years FY 1988
- 0 - Niger 400
 Mali 500
 Mauritania 468
 Sahel 3,500

Cumulative Oblig: 3,491

FY 88 Obligation

<u>Interim FEWS</u>	<u>Locusts</u>	<u>Interim FEWS</u>	<u>Locusts</u>
2,055	1,436	Core	Core buy-ins
		Planned: \$3,260	\$1,740

1. Project Purpose:

The project will (a) treat the recovery and rehabilitation aspects of problems generated by the locust and grasshopper pest problem currently threatening many African countries, and help to bring it back under control, and (b) help to establish improved management and control in the future. The project also provides financing to extend interim FEWS activities as part of the "other emergency" component of AELGA (of the \$19,020 million authorized 4,020 is for interim FEWS which will end 12/31/88).

2. Description.

The project contributes to the improved nutritional status and well being of Africans by reducing the threat of locust and grasshopper plague-induced famine and its associated economic and social suffering. The project purpose remain 1) treat the recovery and rehabilitation aspects of problems generated by pest problems and help to bring these pest problems back under control; 2) help to establish improved management and control mechanisms to keep this problem under control in the future; and 3) mobilize resources to respond quickly to other types of emergency situations that may arise in Africa.

Annex I

- A. ANR STAFFING PATTERN
- B. BIOGRAPHIC SKETCHES

ANNEX I Staffing Pattern and Biographic Sketches

<u>NAME</u>	<u>Title of Present Position</u>
Lance Jepson -	Chief, Agriculture and Natural Resources Division
Norm Sheldon -	Chief, Field Support Branch
Abdul Wahab -	Chief, Natural Resources Branch
Thomas Hobgood -	Chief, Planning and Analysis Branch
Russel Backus -	Agricultural Development Officer/Technical Backstop, Southern Africa
Bill Barron -	Energy Advisor
Greg Booth -	Natural Resources Advisor
Bessie Boyd -	Environmental Protection Specialist
Carl Castleton -	Entomologist Advisor (AELGA Project)
John Gaudet -	Environmental and Natural Resource Liasion Officer/ AELGA Project Manager
Lee Hall -	Agricultural Economist
Lee Hannah -	Natural Resource Analyst (AAAS Fellow)
Archie Hogan -	Agricultural Development Officer/Technical Backstop, Francophone, West and Central Africa
Millie Konan -	Communications Specialist
Bernard Lane -	Agricultural Economist
Michael McGahuey -	Agroforestry/Natural Resource Advisor
Charles Morgan -	Agricultural Development Officer/Technical Backstop Sahel and W. Africa
Richard Newberg -	Agricultural Development Officer/SAARFA Project Manager
Timothy O'Hare -	Agricultural Economist
Patricia O'Brien-Place -	Agricultural Economist
Doug Sutherland -	Environmental Entomologist
Dwight Walker -	Natural Resources Officer/NRMS Project Manager

BIO-DATA

NAME: Lance H. Jepson

TITLE OF PRESENT POSITION: Chief, Agriculture and Natural Resources Division

ACTUAL FUNCTIONAL TITLE: Supervisory Agricultural Development Officer

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
Michigan State University	B.S. & M.A.	Agriculture/Education
" " "	Long-Term Training	Agriculture Economics

TECHNICAL EXPERIENCE (Including area of overseas experience)

7/87 - 9/88 SADO - Haiti
6/86 - 7/87 Long-Term Training
6/83 - 6/86 SADO - Niger
6/80 - 6/83 D/ADO - Senegal
7/76 - 6/80 Project Manager, D/ADO - Mali

Prior to 1972

Agronomy Teacher - Community College

BIO DATA

NAME: Norman L. Sheldon

TITLE OF PRESENT POSITION: Chief, Field Support Branch, AFR/TR/ANR/FS

ACTUAL FUNCTIONAL TITLE: Supervisory Agricultural Development Officer

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
N. Dakota State Univ.	MS	Agricultural Economics
Univ. of Minnesota	BS	Poultry Science, Livestock

TECHNICAL EXPERIENCE (Including area of overseas experience)

1986-Present Chief, Field Support Branch, AFR/TR/ANR
1982-86 Dep. Chief, ARD, Kinshasa, Zaire (USDH)
1977-81 Chief, ARD, Freetown, Sierra Leone (USDH)
1976-77 IDI, ARD, AFR Bureau, Wash., D. C. (USDH)
1974-76 Research Assist., Dept. Agric. Economics, N. Dakota State Univ., Fargo, ND
1973-74 Region II Agribusiness Advisor, Nha Trang, Vietnam (USDA-PASA)
1972-73 Region IV Agribusiness Advisor, Can Tho, Vietnam (USDA-PASA)

Prior to 1972

67-72 AID/USDA Vietnam
66-67 AID/Contract Brazil
64-66 Peace Corps Brazil

BIO-DATA

NAME: Abdul H. Wahab

TITLE OF PRESENT POSITION: Chief, Natural Resource Branch, AFR/TR/ANR

ACTUAL FUNCTIONAL TITLE: Supervisory Agricultural Development Officer

<u>EDUCATION INSTITUTION:</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
Iowa State University	Ph.D.	Plant Physiology, Biochemistry
Iowa State University	M.S.	Plant Physiology
Mankato State University	B.S.	Chemistry, Biology, Mathematics

TECHNICAL EXPERIENCE (Including area of overseas experience)

1977-86 ADO and Agricultural Research Specialist, Haiti and Jamaica respectively.

PRIOR TO 1972

71-72 Assistant Soil Scientist/Crop Development Officer - Puerto Rico & Guyana
65-67 Research Technician

BIO-DATA

Name: Thomas D. Hobgood

TITLE OF PRESENT POSITION: Chief, Planning and Analysis Branch, AFR/TR/ANR

ACTUAL FUNCTIONAL TITLE: Supervisory Agricultural Development Officer

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
University of Maryland	M.S.	Agricultural Economics

TECHNICAL EXPERIENCE (Including area of overseas experience)

May 1988 - Present Chief, AFR/TR/ANR/PA
Jan. 1984 - April 1988 ADO, The Gambia
Nov. 1979 - Nov. 1983 Agricultural Economist, The Philippines
Jan. 1979 - Oct. 1979 IDI, AID/Washington
May 1978 - Dec. 1978 Research Assistant, International Food Policy Research
Institute
May 1977 - April 1978 Research Assistant, University of Maryland
Aug. 1973 - Aug. 1975 U.S. Peace Corps, The Philippines

BIO-DATA

NAME: Russel Backus

TITLE OF PRESENT POSITION: Technical Backstop Officer, Southern Africa

ACTUAL FUNCTIONAL TITLE: ADO, AFR/TR/ANR/FS

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDY</u>
Utah State University	B.S.	Civil/Irrigation Engineering
Utah State University	M.S.	Civil/Irrigation Engineering

PROFESSIONAL REGISTRATION: Civil Engineer, California and Idaho

TECHNICAL EXPERIENCE (Including area of overseas experience)

1987 - Present ADO, AFR/TR/ARD/FS
1981 - 1986 ADO, USAID/Pakistan
1980 Engineering Consulting, U.S.
1979 Irrigation Advisor, Bangladesh
1973 - 1978 Engineering Consulting, U.S.
1972 Research Engineer, U.S.

Prior to 1972

Family Farm (Deciduous Fruit and Livestock)

BIO-DATA

NAME: Greg Booth

TITLE OF PRESENT POSITION: Natural Resource Advisor

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
University of California, Berkeley	Graduate Study	Forest Science/Management
Evergreen State College	B.S.	Forest Science/Management

TECHNICAL EXPERIENCE: (Including area of overseas experience)

Forestry
Tropical Forest Management
Biological Diversity
Land Use Planning
Environmental Assessment
Program/Project Management

BIO-DATA

NAME: Bessie L. Boyd

TITLE OF PRESENT POSITION: Environmental Protection Specialist

ACTUAL FUNCTIONAL TITLE: Same

<u>EDUCATION INSTITUTION:</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
Howard University, Washington, D. C.	M.S.	Environmental Studies
George Washington Univ. Washington, D. C.	B.S.	Environmental Health
North Carolina Agricultural & Technical University Greensboro, N. C.		Business Administration

TECHNICAL EXPERIENCE (Including area of overseas experience)

1979 -	Environmental Protection Specialist, AFR/DR/SDP, AID/W
1977-1979	Program Analyst, AFR/DR/SDP, AID/W
1975-1977	Personnel Management Specialist, Civil Service Personnel, AID/W
1972-1975	Personnel Staffing Specialist Foreign Service Personnel, AID/W, (Asia and Africa)

Prior to 1972

1967-1968 Overseas Nigeria

BIO-DATA

NAME: John J. Gaudet

TITLE OF PRESENT POSITION: Environment and Natural Resource Liaison Officer

ACTUAL FUNCTIONAL TITLE: Project manager Afr. Emerg. Locust/Grasshopper Assistance Project

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
University of Rhode Island	B.S. & M.S.	Plant Biology and Aquatic Ecology
University of California Berkeley	Ph.D.	Plant Ecology

TECHNICAL EXPERIENCE (Including area of overseas experience)

1987 - Present	Environment & Natural Resources Liaison Officer; AFR/TR/ANR, AID/W
1979 - 1987	A.I.D. Regional Environmental Officer; REDSO/ESA, Nairobi, Kenya
1973 - 1979	Senior Lecturer in Tropical Ecology; Univ. of Nairobi, Kenya & consultant various consulting engineering Corporations.
1972 - 1973	Senior Lecturer in Tropical Aquatic Ecology; Makerere University, Kampala, Uganda

PRIOR TO 1972

71-72	Senior Lecturer, Uganda
63-71	Asst. Professor

BIO-DATA

NAME: Lee Hannah

TITLE OF PRESENT POSITION: Natural Resource Analyst (AAAS Fellow)

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
UCLA	Ph.D.	Environmental Science & Engineer
Univ. of Hawaii	M.S.	Physiology
UC, Berkeley	B.S.	Biology

TECHNICAL EXPERIENCE (Including area of overseas experience)

1987 - Present Natural Resource Analyst, AAAS Fellow, AFR/TR/ANR

1986 - 1987 AIBS Congressional Fellow, House Banking Committee
Subcommittee on International Development Institutions and Finance
Legislative Analyst in charge of environmental issues and MDBs

1984 - 1986 Assistant Professor, University of Hawaii Environmental Center

BIO-DATA

NAME: Archie C. Hogan

TITLE OF PRESENT POSITION: Agricultural Development Officer

ACTUAL FUNCTIONAL TITLE: Agricultural Development Officer

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
Oregon State University	Long Term Tng.	Agric Economics
Southern Illinois University	MSc	Agr. Economics
University of Hawaii	Non-Degree	Economic Development
Texas (Prairie View A&M) Univ.	B.A.	Economics

TECHNICAL EXPERIENCE (Including area of overseas experience)

1987 - Present Agricultural Development Officer, AFR/TR/ANR/FS, AID/W

1985 - 1987 Agricultural Development Officer, USAID/Sierra Leone

1982 - 1985 Agricultural Development Officer, AFR/NE/AGR., AID/W

1979 - 1981 Agricultural Development Officer, USIAD/Syria

1976 - 1979 Agricultural Officer, USAID/Upper Volta

1973 - 1976 Agricultural Officer, USAID/Cameroon

Prior to 1972

1969 - 72 AID/Nigeria

1966 - 69 AID/Vietnam

1963 - 65 Peace Corps Volunteer/Colombia

BIO-DATA

NAME: Mildred A. Konan

TITLE OF PRESENT POSITION: Communications Specialist

ACTUAL FUNCTIONAL TITLE: Technical Writer/Editor, Research Analyst

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
Cornell University	Ph.D.	Development Sociology
Cornell University	M.S.	Rural Sociology

TECHNICAL EXPERIENCE (Including area of overseas experience)

1979 - 1988 Consultant to A.I.D., USA

1974 - 1979 Associate Director, Research Team in Applied Social Science,
Agriculture Experiment Station, University of Maryland

1972 - 1973 Research Fellow and Lecturer, Institute for Agricultural Research,
Ahmadu Bello University, Nigeria

BIO-DATA

NAME: Bernard Lane

TITLE OF PRESENT POSITION: Agricultural Economist

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
N. Carolina A&T University	B.S.	Economics
University of Maryland	M.S.	Agricultural Economics

TECHNICAL EXPERIENCE (Including area of overseas experience)

1983 - Present Agricultural Economist, AFR/TR/ANR/PA, AID/W

Previous Experience

- Numerous TDY's to East and West Africa
- Assisted in the design of the Gambia Ag Diversification PID
- Assisted in the design of the Somalia Livestock Marketing PP

BIO-DATA

NAME: Michael McGahuey

TITLE OF PRESENT POSITION: Agroforestry/NR Advisor

ACTUAL FUNCTIONAL TITLE: Same

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
Oregon State University	B.S.	Agronomic Crop Science/Soils
Oregon State University	M.S.	Agronomic Crop Science/Soils

TECHNICAL EXPERIENCE (Including area of overseas experience)

1987 - Present Agroforestry/NR Advisor, AFR/TR/ANR, AID/W
1985 - 1987 Agroforestry Specialist, Chemonics International, Consulting Division
1980 - 1985 Oregon State University, Student-emphasis on crop physiology and nutrition, and plant-soil-water relationships
1985 - Jan Formulated UNSO forestry project, Somalia
1984 - Oct., Nov. Evaluated USAID/Guinea Fouta Djallon Forestry Project
1982 - June Formulated CARE/Sudan Eastern Province Forestry Project
1975 - 1980 CARE/Chad Acacia albida Project
1974 Peace Corps Niger Forestry Training Coordination

PRIOR 1972

1968 - 1972 Peace Corps Niger Forestry Volunteer

BIO-DATA

NAME: Charles S. Morgan

TITLE OF PRESENT POSITION: Agricultural Development Officer

ACTUAL FUNCTIONAL TITLE: Technical Backstop Support Officer for Sahel West Africa, AFR/TR/ANR

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
Tuskegee University	B.S.	Plant and Soil Science
Warren Wilson College	B.A.	Sociology and Psychology, History

TECHNICAL EXPERIENCE

1988 - Present Agricultural Development Officer, AFR/TR/ANR/FS, AID/W
1987 - 1988 Food for Peace, Ethiopia Task Force (5 months)
1987 - 1987 Agricultural Development Officer, Senegal, Cameroon (TDY)
1986 - 1987 Agricultural Development Officer, AFR/TR/ARD/FS, AID/W
1984 - 1986 Project manager, USAID/Niger
1983 - 1984 IDI Training, AID/W
1980 - 1983 Office of International Agricultural Programs, Tuskegee University
1978 - 1979 PSC, USAID/Mali
1975 - 1977 Peace Corps Volunteer, Mali

BIO-DATA

NAME: Richard D. Newberg

TITLE OF PRESENT POSITION: Agricultural Development Officer

ACTUAL FUNCTIONAL TITLE: Project Manager - Ag. Research

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
Univ. of Calif - Davis	M.S.	Int'l Ag. Dev. (Agronomy)
Univ. of Calif - Davis	B.S.	Int'l Ag. Dev. (Plant Science)
Univ. of Kansas	B.A.	Sociology, Psychology

TECHNICAL EXPERIENCE (Including area of overseas experience)

1986 - Present Agricultural Development Officer, AFR/TR/ANR/FS, AID/W
1983 - 1988 Agricultural Development Officer, USAID/Mali
1982 - 1981 IDI, AID/W
1977 - 1982 Project Manager, Paul Carlson Medical Program, IMELOKO, Zaire
1975 - 1977 Research Assistant to UCD/USDA Oilcrop Specialist, Davis, California

PRIOR 1972

1971 - 1972 Peace Corps Volunteer, Veg. Crop. Production, Daloz, Ivory Coast

BIO-DATA

NAME: Timothy J. O'Hare

TITLE OF PRESENT POSITION: Agricultural Economist

ACTUAL FUNCTIONAL TITLE: Agricultural Economist

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
Indian University	B.A.	Economics
Purdue University	M.S.	Agricultural Economics

TECHNICAL EXPERIENCE (Including area of overseas experience)

Currently - Agricultural Economist, AFR/TR/ANR/PA
8/85 - 7/88 - Assistant Agriculture and Rural Development Officer, USAID/Jamaica
8/81 - 8/85 - Agricultural Economist, USAID/El Salvador
8/79 - 8/81 - Program Analyst, S&T/AGR/EPP
8/77 - 7/79 - Agricultural Economist, USAID/Nicaragua
5/77 - 8/77 - IDI Training and Orientation, AID/W

BIO-DATA

NAME: Dwight L. Walker

TITLE OF PRESENT POSITION: Natural Resources Officer

ACTUAL FUNCTION TITLE: Project Manager, Natural Resources Management Support Project

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
New Mexico State University	B.S.	Zoology - Agriculture
University of Arizona	M.S.	Plant Pathology

TECHNICAL EXPERIENCE (Including area of overseas experience)

1987 - Present Project Manager of the Natural Resources Management Support Project
AFR/TR/ANR, AID/W

1983 - 1987 Project Manager - USAID Kenya
Renewable Energy Project (Agroforestry)
On-Farm Grain Storage Project
Agricultural Systems Support Project
Women in Development Project (Agricultural Extension)

1987 - 1979 Project Manager - USAID Panama
Panama Canal Watershed Management Project
Education for Development (Agricultural Extension Training)

1979 - 1972 Rural Economic Development Specialist - State of New Mexico,
Santa Fe, NM

PRIOR TO 1972

1972 - 1964 Peace Corps - Agricultural Extension, Rural Youth (4-H Club Work)
University Teaching (University of Guatemala)

BIO-DATA

Name: Lee Hall

TITLE OF PRESENT POSITION: Agricultural Economist

ACTUAL FUNCTION TITLE: Agricultural Economist

TO BE UPDATED

BIO-DATA

NAME: Bill Barron

TITLE OF PRESENT POSITION: Energy Advisor

ACTUAL FUNCTIONAL TITLE: Same

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
John Hopkins University	Ph.D.	Resource Economics
So. Illinois University	MA	Economics

TECHNICAL EXPERIENCE (Including areas of Overseas experience)

1987 - present	Energy Advisor, AFR, and S&T, AID/W
1986 - 1987	Resident Energy Advisor, Pakistan
1983 - 1985	Resident Energy Advisor, Liberia
1980 - 1986	Staff Member Oak Ridge National Laboratory

BIO-DATA

NAME: Patricia O'Brien-Place

TITLE OF PRESENT POSITION: Agricultural Economist

ACTUAL FUNCTIONAL TITLE: Same

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
Unv. of Cal, Berkeley	B.S.	Agricultural Economics
Cornell University	M.S.	International Economics and Nutrition
Cornell University	Ph. D.	Agricultural Policy and Development Economics

TECHNICAL EXPERIENCE (Including Area of overseas experience)

1988 - Present	Agricultural Economist, A.I.D. Africa Bureau
1983 - 1988	Agricultural Economist, Nutrition Economics Group, OICD USDA
1982 - 1983	Consultant to World Bank and USDA
1978 - 1979	Researcher for Agriculture and Rural Development Department, World Bank

Overseas Experience: Field Survey in Mauritania, Trainer for ITTA, Ibadan, Nigeria
Numerous TDY's including Lesotho, Sierra Leone and Asian and Latin American sites

BIO-DATA

NAME: Douglas Sutherland

TITLE OF PRESENT POSITION: Environmental Entomologist

ACTUAL FUNCTIONAL TITLE: Senior Entomologist

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
University of Vermont	B.S.	Botany, Zoology
University of Nebraska		
University of Delaware	M.S.	Entomology (Ecology)
Cornell University	Ph.D.	Entomology, Pathology

TECHNICAL EXPERIENCE (Including area of overseas experience)

1988 - Present	AID/USDA/RSSA Entomologist
1980 - 1988	Environmental Protection Agency, Sr. Entomologist
1972 - 1980	Environmental Protection Agency, Entomologist

PRIOR TO 1972

1969 - 1971	University of Idaho Extension Entomologist
1965 - 1969	University of New Hampshire, Asst. Professor of Entomology/and Extension Specialist

BIO-DATA

NAME: Carl W. Castleton

TITLE OF PRESENT POSITION: Pest Management Specialist

ACTUAL FUNCTIONAL TITLE: Senior Entomologist

<u>EDUCATION INSTITUTION</u>	<u>DEGREE</u>	<u>MAJOR AREA OF STUDIES</u>
University of New Hampshire	B.A.	Entomology
University of New Hampshire	M.S.	Entomology
George Washington University		Environmental Studies

TECHNICAL EXPERIENCE

1986 - Present	Entomologist Advisor to AFR/TR and OFDA ON Locust/Grasshoppers
1983 - 1986	USAID/Bisson, USDA/PASA-Pest Management
1979 - 1983	USAID/Dakar USDA/PASA - Regional Tng Officer
1976 - 1978	DOA Command Entomologist
1972 - 1976	Head Field Research, Brazil

Annex II ANR Subject Matter Lead Persons

ANR LEADPERSON¹/Alternate + (Associate in TR)
(By Subject Areas)

	<u>Lead</u>	<u>Alternate</u>
Agribusiness/Private Sector Initiative	Sheldon	Lane
Agricultural Education	Hobgood	Hogan(Martin)
Agricultural Extension & Extension Training	Morgan	Hogan
Agricultural Mechanization	Backus	Barron
Agricultural Planning and Policy Analysis	Hobgood	O'Hare
Agricultural Research	Newberg	Hobgood(Martin)
Agricultural Statistics/Data Bases	Lane	O'Brien
Agriculture Sector Council	Jepson	Sheldon
ABS - Annual Budget Submission	Lane	O'Hare
BIFAD - Board for Int'l Food & Ag Development	Jepson	Wahab
Biological Diversity/Wildlife Management	Booth	Hannah
Biological Nitrogen Fixation	Wahab	McGahuey
Biotechnology	Wahab	McGahuey
CDA - Cooperation for Development in Africa	Newberg	Barron
CDSS - Country Development Strategy Statements	Hobgood	O'Hare
Cooperatives	Hogan	O'Hare
Credit	O'Hare	Hogan
Crop Production	Newberg	McGahuey
Crop Protection	Castleton	Newberg
CRSP's	Newberg	Sheldon
Drought & Desertification (Early Warning System)	McGahuey	Newberg
Economic Analysis (Projects)	Hobgood	O'Brien
Energy	Barron	Backus
ENR Sector Council	Wahab	Jepson
Environmental MGT/Assessment	Boyd	Gaudet
Evaluation & Monitoring	O'Brien	Booth
Farming Systems Research & Development	O'Brien	Newberg
Fertilizer Crop Nutrition	McGahuey	Hogan
FIS - Functional Information System	Lane	Hobgood
Fisheries/Aquaculture	Hogan	Booth
Food & Agriculture Task Force	Jepson	Sheldon
Food Security & PL-480	Lane	O'Brien
Forestry/Agroforestry	McGahuey	Booth
Horticulture (Vegetable & Fruit Crops)	Morgan	Backus
IARC - Int'l Agricultural Research Centers	Newberg	Wahab (Martin)
Institution Building	Hobgood	Morgan
Institution Relations (1890)	Lane	Hogan
Intermediate/Appropriate Technology	Booth	Hannah
Interregional Trade	O'Hare	Sheldon
IPM - Integrated Pest Management	Newberg	Castleton
Irrigation	Backus	McGahuey(Martin)

ANR LEADPERSON¹/Alternate + (Associate in TR)
(By Subject Areas)

	<u>Lead</u>	<u>Alternate</u>
JCARD - Joint Committee on Ag Research & Dev.	Jepson	Wahab(Martin)
Land Tenure	Morgan	Hobgood
Livestock Production and Health	Abel	Backus
Locust Task Force	Gaudet	Boyd/Hogan
Marketing (Agriculture Commodities)	Lane	Hogan
Marketing (Agri Production Inputs)	Hogan	O'Hare
Natural Resource Management	Wahab	Walker
Personnel	Jepson	Sheldon
Pests and Pesticide Management	Boyd	Newberg
Pre/Post Harvest Food Losses	Hogan	Hannah
Range/Pasture Management	Abel	Gaudet
Remote Sensing	Gaudet	Walker
RSSA/USDA	Hobgood	Lane
Rural Dev. Sector Council	Hobgood	Jepson
Sector Assessments/Analysis/Planning/Strategy	Hobgood	Sheldon/Wahab
Seeds	Morgan	McGahuey
SIP - Social Institution Profiles	O'Brien	O'Hare
Social Analysis (projects)	O'Hare	O'Brien
Soil Fertility/Management/Conservation.	McGahuey	Walker
S&T Liaison	Sheldon	Backus
Sustainable Agriculture	McGahuey	Morgan
Watershed Mgt/Conservation(Resource Planning)	Backus	Wahab
WID - Women in Development	O'Brien	Morgan

¹LEADPERSON - is responsible for coordinating ARD's activities in designated subject areas with others who have similar skills. The leadpersons responsibility is to ensure that the task gets done on schedule, but not necessarily that he/she has to do all the required work. Examples of Tasks include drafting responses to congressional inquiries, letters requesting information and/or funding and/or technical assistance support, and serving on committees or task forces. Project reviews (currently primarily PID's), PIR's and evaluations are coordinated by the country backstop officer from the FS Branch with participation by technical/administrative leadpersons (from this list above) as appropriate. The PA Branch coordinates non-project assistance and strategy/policy/budget activities and CDSS and ABS.