

931-1149
PROJECT REVIEW SUMMARY

FILE

(4/5/81)

PROJECT TITLE: Livestock Production Capability, RSSA

DATE OF REVIEW 4/6/81

PROJECT NO. 931-1149

OSB OFFICE/DIV. AGR/AP

List actions to be taken (or issues to be resolved) as a result of Project Review Meeting	Action Officer	Date Action to be Completed
1. Complete DS/Livestock/Winrock Workshop to: a. Identify Livestock cluster strategy. b. Identify technical specialist categories required.	Butchart	July 31, 1981
2. Complete and get PAF extended for September 30, 1981 - September 29, 1982.	Brown	May 25, 1981
3. Funding-complete PIO/T to add \$200,000 for period 9/30/81 - 9/29/82.	Brown	May 25, 1981
4. Review project for progress and appropriate linkage to the field-as an on-going activity.	Butchart, Yohe	On-going

John M. Yohe, DS/AGR
Project Manager

Donald Fiester
Chief Director

Steve Engberg, DS/AGR
Mary Mozynski, DS/AGR

Francis Campbell, DS/PO

Attachments: OSB Project Data Sheet
 Project Review Information Sheet
 Other:

Distribution: Project Files
 DS/DAA
 OS/PO: Program Analyst

PROJECT REVIEW INFORMATION

PROJECT TITLE Livestock Production Capability, RSSA DATE OF REVIEW 4/6/81

PROJECT NO. 931-1149

- I. Briefly state principal subject(s) to be discussed during the review.
 - a. Summary of Project, i.e.
 1. Technical support to missions; who, what, when, where, etc.
 2. Projects or PIDs done for missions.
 3. Research projects, designed and managed.
 - b. Forward planning of project after September 29, 1981.
 - c. Short term consultant activities.

- II. Please respond to the following questions. Additional detail can be given below if warranted or necessary.
 - a. Is project implementation on schedule as planned in the PP or implementation plan? Yes
 - b. Are there any short falls or delays of project inputs? No
 - c. Are project assumptions holding up? Yes
 - d. Are progress/annual reports being submitted in a timely fashion? N/A
Are such reports informative? _____
 - e. Is there any monitoring/progress information being received from other than project or contractor personnel (e.g., project manager site visits, USAID reports etc.)? N/A
 - f. Has an evaluation been carried out? No-this is the first one.
 - g. Are there any audit or evaluation recommendations outstanding? No
 - h. Are there any special or restrictive requirements imposed by RAC or stipulated in the PP? No

Attachments: ABS Project Data Sheet
Logical Framework

PROJECT MANAGEMENT REVIEW

PROJECT TITLE: LIVESTOCK PRODUCTION CAPABILITY

Project No: 931-1149
Current RSSA: USDA 2-79

This review will address the concerns which the DAA/DS raised in his memorandum of February 9, 1981, requesting a summary of project accomplishments since July, 1979.

Currently the project provides two full-time professionals and a program assistant to manage seven long-term projects serving twenty-seven countries. These projects have a total operating budget of \$1,785,000 in FY 1981. In addition, the staff also manages five small miscellaneous activities supported by DS funds. The major objective of all projects and activities is to monitor and to manage currently funded DS/AGR projects which emphasize reduction of constraints to livestock production and health and the reduction of crop losses from vertebrate pests.

Requests for technical assistance usually come to DS/AGR through the missions. However, some requests have come directly from the LDC governments to DS, while a few requests have come in through the Regional Bureaus or through another U. S. Government agency or institution (USDA, USDI, Universities).

Animal production projects are focused on factors which are presently limiting the potential for increased yields of milk, meat, eggs, fiber, and draft purposes. Attention has been given to nutritional ingredients, economics, animal health, sociological restraints, breeding programs and management systems for ruminants on range and in confinement, etc. One production project has successfully demonstrated wide-ranging economic benefits from proper mineral supplementation, while a second project is receiving tremendous cooperation from animal nutritionists throughout the world in the establishment of standard feed identification and composition data which can be applied to develop efficient feeding systems for all species of livestock by region, country, type of production, etc. A third production project is geared toward assisting sheep and goat producers in overcoming every known limiting factor of production within five regions of the world. It is intended to give specific attention to health, nutrition, and management of livestock owned by small farmers. Beneficiaries will be the people with a few animals who are depending upon guidance for increasing production and for even keeping their flocks and herds alive. As population increases and available land area for stock and crop production decreases, it is imperative that production per animal unit be more efficient. These projects are developing the "tools" for the task.

In the field of livestock health, priority is given to those projects offering the best potential to increase food production through the control of infectious diseases. Special emphasis is given to vaccine development to prevent the spread of vector borne livestock diseases. Also, priority is placed upon projects that have a good "fit" into regional agricultural or rural development (i.e. tsetse fly/trypanosomiasis control for livestock and human health and sociological development).

The projects funded in animal health are on-target with the requested inputs from the Regional Bureaus for DS/AGR's next ABS. We have been supporting projects the Bureaus have identified as problem areas (i.e. African Animal Trypanosomiasis, vector borne diseases, African Swine Fever). Our dilemma is that we should be putting more money into these areas.

In addition, this RSSA provides funds to manage the Control of Vertebrate Pests project which is a centrally-funded PASA with the Denver Wildlife Research Center. This project is designed to reduce losses to field crops from rodents and noxious birds. Attachment #1 shows the complete listing of livestock cluster projects managed under this RSSA.

The second accomplishment of the Livestock Production Capability project is the provision to secure scientists for high priority response to the Missions, Regional Bureaus and DS/AGR with specialties related to animal production and health. Quick access to such manpower is clearly needed because of the small number of the staff in the DS/AGR Livestock Division who represent a limited number of disciplines. Attachment #2 shows the worldwide utilization of short-term specialists by the Livestock Production Capability project.

A third accomplishment of this RSSA has been participation in small miscellaneous activities with USDA, FAO, IIC, and other organizations in supporting international conferences, training and education, and other activities designed to respond to a specific critical need or situation. (Attachment #3 lists these miscellaneous activities.

The Livestock Specialists reviewed thirty-four unsolicited proposals for small miscellaneous activities and prepared the necessary disposition of either approval or disapproval (Attachment #4 lists unsolicited proposals reviewed).

Finally, this RSSA has resulted in improved channels of communication with USDA; USDI; universities and international organizations, which has opened lines of communication and expanded cooperation with these agencies and institutions.

The qualifications and capabilities of the two technical specialists included in this RSSA ably cover the varied areas of livestock production. Dr. Charles Haines has a broadly-based technical specialty in livestock production and Dr. John Walker has a broadly-based technical specialty in animal health. The mix of project activities in the DS/AGR livestock cluster generally require expertise in these disciplines, and these two professionals are assigned full-time project management responsibility accordingly.

When Dr. James Oxley, Livestock Division Chief (on detail from Colorado State University-CSU) returned to CSU in July 1980, it left the Livestock Division with a void in continuity which affected program efforts for getting project approval documents completed at the end of FY 1980. Although the two RSSA specialists were at a disadvantage for lack of experience in the AID/W programming processes, they performed assigned tasks commendably. The RSSA program assistant had only been on board for a short time, and also was learning "under fire". The RSSA staff used that time as a learning experience and put forth the extra effort to learn and to get the job done. This experience emphasized the need for an AID direct-hire person to work in each cluster of expertise, such as the livestock cluster, so that there was a

background of experience in AID programming. In addition to meeting the programmatic needs, the RSSA specialists have responded to (a) field mission requests for TDY assistance to develop ideas/data for new PIDs, and (b) government requests for specific types of advice on technical matters. Dr. Haines and Dr. Walker have been identifying short-term consultants to fulfill these special capability needs, have prepared the documentation necessary and have managed the scopes of work involved for the needs specified in communications from the field. Both have also personally traveled on TDY to fulfill the above type of field requests for their services on numerous occasions, and to monitor and manage DS livestock projects. (See Attachment #5 for professionals' workloads.)

With the recent acquisition of a direct-hire Livestock Specialist assigned to DS/AGR (Dr. Douglas Butchart), who has background in both livestock production and animal health, the livestock cluster can more easily provide direct in-house response capability to requests from the field for TDY assistance related to both livestock production and to animal health. Other requests from the Missions or Regional Bureaus for technical specialists/consultants for short-term assignments, through the auspices of this project, are anticipated in range management, improved land use, communal grazing, poultry production, livestock marketing, product processing, and in some areas of ducks and swine production. These services will continue to be provided through the Livestock Production Capability Project. These technical specialists/consultants are often required to have specific language capability such as French, Spanish, etc.

In addition, DS/AGR plans to utilize the Livestock Production Capability Project to support with some short-term expertise in livestock specialties for small farm modeling. This project will demonstrate how the small livestock enterprise fits into the total farm program so that we can better understand the role of livestock in rural development. Through this methodology we plan to create a well-focused livestock development strategy for the differing regions of the world.

Please see Attachment #6 for the curriculum vitae or related documents of the long-term professionals.

Clearance:

DS/AGR/AP:DButchart _____ Date _____

DS/AGR/AP:EBrown:5-8877:rs:05/22/81

ATTACHMENT #1

LIVESTOCK CLUSTER PROJECTS-FY 1981

<u>Project</u>	<u>Grant or Contract</u>	<u>Short Title</u>	<u>Contractor</u>	<u>Operating Budget FY 81</u>
931-0600	ta-c-1153	Mineral Studies with Ruminant Animals	Univ of Florida	\$ 250,000
931-1328	DSAN/XII-G-0049	CRSP-Small Ruminant	Univ of California-Davis	650,000
931-1038	DSAN/G-0067	Physiology and Ecology of Ticks	Int'l Center of Insect Physiology and Ecology (ICIPE)	--
936-4083	-Proposed- FY 82	Immunology of Ticks-- Follow through on Tick Physiology and Ecology Project	ICIPE	--
931-0030	RA(A1)-1-00 AG/TAB-0030-1-00	Sterility Methods for Tsetse Fly Control	USDA	250,000
931-1149	USDA 2-79	Livestock Production Capability	USDA/APHIS	200,000
931-0050	ta-c-1159	Improved Feed Informa- tion Systems	Utah State University	90,000
931-0473	ID/TAB-473-1-67	Control of Vertebrate Pests	Denver Wildlife- Dept. of Interior	345,000
				\$1,785,000

ATTACHMENT #2
SHORT-TERM CONSULTANTS

Who, What, When, Where Technical Assistance to Missions and Bureaus

<u>Consultants</u>	<u>Beneficial Country/Bureau</u>	<u>Support Provided</u>	<u>Dates</u>
Ray Loan	Ecuador	Short course in Livestock Parasitology	June 1981
Don Corrier			
Gary Adams			
Howard Sprague	Peru	Assess New Project Proposal	May 1981
Richard Gray			
James Hourrigan	Kenya DS/Washington	Draft Project Paper on Immunology of Ticks	Apr/May 1981
C. D. Montgomery	Philippines	In-depth Team Review and PES	Dec 1980
Wm. Fitzwater	Dominican Republic/	on Vertebrate Pests Project	
Wm. Jackson	Haiti		
Walter Howard	Sudan		
Lynwood Fielder	Bangladesh DS/Washington		
David Carlson	Zimbabwe Kenya DS/Washington	Field trip on Tsetse Fly Control	Oct/Nov 1980
Howard Stonaker	Peru Brazil Kenya Indonesia DS/Washington	Independent review of Small Ruminant-CRSP	June 1980
Dillard Gates	DS/Washington Regional Bureaus	DS Position Paper on Grasslands Conference	May/July 1980
James Hourrigan	DS/Washington Colombia	Terminal review of ten-year research project on Hemoprotozoal Diseases	Sept/Dec 1980
E. E. Wedman	DS/Washington	Prepared State of the Art on Tsetse/Trypanosomiasis and on African Swine Fever	Jan/Feb 1980
John George	Kenya DS/Washington	In-depth Team Review and PES on Tick Physiology and Ecology Project at ICIPE	Jan 1980
King Lovinger	Sudan	In-depth Team Review on	Dec 1979
Robert Gray	Philippines	Control of Vertebrate Pests	
Wm. Fitzwater	Bangladesh DS/Washington	Project	

The specialist staff of the Denver Wildlife Research Center provides ongoing professional assessment and advice on Control of Vertebrate Pests. The Control of Vertebrate Pests Activity (Project #931-0473) at the Denver Wildlife Research Center or in the Missions is not supported by the Livestock Production Capability Project. However, the AID Project Manager (salary, travel, etc.) of the Pests activities is funded by the Livestock Production Capability Project.

ATTACHMENT #3
SMALL MISCELLANEOUS ACTIVITIES SUPPORTED

<u>Subject/ Organization</u>	<u>Beneficial Country/Bureau</u>	<u>Support Provided For Information/Training Systems</u>	<u>Dates</u>
Slide series on African Swine Fever (ASF)/USDA	Dominican Republic		Apr/May 1980
Bovine Babesiosis/ USDA	LA/Caribbean	Conducting vaccine trials	Jan/Apr 1980
Diagnostic Antigens for ASF Diagnosis/ USDA/FAO	LA/Caribbean	Distribution of standardized diagnostic referencer antigens for lab diagnosis of ASF	FY 1980
Livestock Production and Health Information System/USDA & IICA	LA/Caribbean	Setting-up computer-based system in LA/C to monitor livestock production and health	Sept 1980
International Symposium on Avian Influenza Control/USDA	LA/Caribbean	Education/training Symposium	Apr 1981
International Grassland Conference	Worldwide	Printing and distribution of publications	June 1981

PROPOSALS REVIEWED FOR RESEARCH & SMALL ACTIVITIESA. Livestock Health Related

<u>TITLE</u>	<u>PRIORITY</u>	<u>SUBJECT AREA</u>	<u>SPONSORSHIP</u>	<u>FUNDING</u>
1. Characterization of Antigens derived from cell cultures infected with <u>Babesia bovis</u> .	High	Babesia Vaccine Development	University of Illinois (Research)	\$ 35,000 (FY 1980)
2. Avian Influenza Symposium	High	International Symposium April 22-24, 1981	USDA/University of Minnesota (Activity)	5,000* (FY 1980)
3. African Swine Fever Control	High	Information Program (Supplemental)	USDA (Activity)	12,500 (FY 1980)
4. LAC-Animal Disease Prevention Data Info-System	High	Data Processing September 1980	USDA/IICA (Activity)	1,200 (FY 1980)
5. Bovine Babesiosis	High	Conduct Vaccine Trials	USDA	12,500*
6. III International Symposium on Vet. Epid. & Economics	Medium	Symposia, etc. September 1982	LSU & National Organization Committee (Activity)	(FY 1982)
7. Microencapsulated Repellant and Pesticide Uses	Medium	Tsetse/Trypanosomiasis Control	Penwalt Corp. (Research)	35,000 (FY 1982)
8. Development of Immurogens against Bovine Babesiosis using cell-culture-derived Babesia Bovis Antigens	Medium	Babesia Vaccine (This research is proposed in ABS for FY 1982)	University of Illinois (Research)	one year 121,000 123,000 123,000
9. International Conference--Advances in the Control of Theillieriosis	Medium	International Conference	ILRAD (Activity)	5,000 (FY 1980)

*Actually funded by RSSA.

<u>TITLE</u>	<u>PRIORITY</u>	<u>SUBJECT AREA</u>	<u>SPONSORSHIP</u>	<u>FUNDING</u>
10. Tsetse & Trypanosomiasis Information & New Service	Low	Print Technical Reports	G. B. (Activity)	14,000 (Annually)
11. Development of Animal Diseases Surveillance System Methodology	Low	Disease Surveillance	University of Florida Barbados (Activity)	100,000-1 yr. 50,000-2 yr. 25,000-3 yr. 25,000-4 yr.
12. Establishment of an International Registry of Reprod-Pathology	Low	Pathology	Cornell University (Activity)	15,000
13. Embryo & Oocyte Transfer in Cattle	No	Embryology	Cornell University (Research)	???
14. Establish Hemotropic Disease Center	No		University of Missouri (Activity)	???
<u>B. Livestock Production Related</u>				
1. Degradation of Lignocellulose in Mountain Beaver Digestive System	Low	Digestibility Factors	University of Idaho	70,000
2. Systems Analysis of Cattle Production in Colombia and Similar Ecological Areas	Medium	Model Develop	Texas A & M University	25,000
3. Production of Single Cell Protein from Waste Bananas	Low	By Products	University of Missouri	100,000
4. Feasibility Study for Non-Destructive Rapid Field Measurements of Butterfat in Indian Cow and Buffalo Milk	Low	Milk Quality	NEOTEC	162,000

<u>TITLE</u>	<u>PRIORITY</u>	<u>SUBJECT AREA</u>	<u>SPONSORSHIP</u>	<u>FUNDING</u>
5. The Nutritional Value of Feed and Feeding Standard	Low	Feed Quality	IICA	500,000
6. The Rational Utilization of South American Guanaco	Medium	Meat Prod.	Iowa State	150,000
7. Support of 26th Meeting of the European Meat Research Congress	High	Meat Quality	Inter Meat Council	10,000
8. Third International Conference on Goat Production and Disease	High	Animal Prod.	Goat Research Council	10,000
9. Development of a Low-Cost Feed from Cassava Roots	Medium	Feed Prod.	University of West Indies	300,000
10. Proposal for Support of Symposium by International Society of Invertebrate Reproduction	High	Animal Improvement	Inter Society	25,000
11. International Workshop on the Role of Dairying in Developing Agriculture	Medium	Animal Improvement	Winrock Institute	55,000
12. Study on Animal Traction Power for Developing Countries	High	Animal Power	Winrock Institute	55,000
13. Financing the publication of a report entitled "Potential of Sheep and Goats in World Food Production"	High	Animal Quality	Denvenda	1,000

<u>TITLE</u>	<u>PRIORITY</u>	<u>SUBJECT AREA</u>	<u>SPONSORSHIP</u>	<u>FUNDING</u>
14. Animal Germplasm Resources and Mating Systems in Tropical and Subtropical Areas	Medium	Milk Prod.	Cornell University	25,000
15. Nutritional Studies with the Water Buffalo	High	Nutrition	Florida	50,000
16. Use of Models for the Prediction of Livestock Production from Forages	Medium	Model Develop	Texas A & M	20,000
17. Investigations into Taro	Low	Feedstuffs	University of Hawaii	75,000
18. ILCA Rangeland Study Tour	Medium	Education	ILCA	20,000
19. "State of the Arts Study for Meat, Milk and Draft Ruminants"	High	Planning	Texas A & M	40,000
20. Second SABRAO Workshop on Animal Genetic Resources	Medium	Tech Meeting	University New England Armidale NSW	12,000
21. Control of CBPP for African Countries	Low	Animal Health		1,500,000
22. Improving Goat Production in Egypt	Low	Animal Prod.	Cairo Univ.	200,000
23. Two Livestock Short Courses/ Yr.	Low	Education	Agriservice Foundation	300,000/yr.

ATTACHMENT #5
FULL-TIME PROFESSIONALS

<u>SCIENTIST</u>	<u>BENEFICIARY BUREAU/COUNTRY</u>	<u>SUPPORT ACTIVITIES</u>
Charles Haines	Peru	<u>Small Ruminant CRSP:</u> BIR meetings, TC meetings, EEP meetings, JRC meetings, project reviews, workshops, budget organization, progress reports, site coordination
	Brazil	
	Kenya	
	Indonesia	
	Morocco	
	Korea	<u>Feed Information Systems:</u> workshops, seminars at host institutes, establishment of collection centers, summaries of data, technician training, extension of contract, project evaluation, publications, memberships of INFIC
	Syria	
	Indonesia	
	Costa Rica	
	Philippines	
	Turkey	
	Taiwan	
Ecuador	<u>Mineral Studies:</u> purchase of lab equipment and test materials travel of collaborators, Collection of exp. data, attendance at meetings, costs of research reports, project evaluation, project extension, role in scientific meetings	
Colombia		
Honduras		
Costa Rica		
Peru		
Malawi		
Senegal		
Thailand		
Malaysia		

<u>SCIENTIST</u>	<u>BENEFICIARY BUREAU/COUNTRY</u>	<u>SUPPORT PROVIDED</u>	<u>DATES</u>
John Walker*	Philippines	Monitor Control of Vertebrate Pests Project	Sept 1979
	AFR Bureau	Tsetse/Trypanosomiasis coordination with FAO Rome	Oct 1979
	LA/Panama	African Swine Fever control	Oct 1979
	Kenya	PES/PP-Tick project at ICIPE	Jan 1980
	AFR/Sudan	Monitor Control of Vertebrate Pests Project	Jan 1980
	AFR/Tanzania	Evaluated Tsetse Fly (SIRM) Project w/D. Butchart	Jan 1980
	LA/Dominican Republic	Member of Tech Eval team to advise USDA and USAID/SD on AID-funded African Swine Fever Project	June 1980
	Haiti/Dominican Republic	Monitor Control of Vertebrate Project	June/ Sept 1980
	AFR/Tanzania	Prepared Scope of Work for two year extension and budget on Tsetse Fly (SIRM) Project	Sept 1980/ Feb 1981

Attachment #5 Con't

<u>SCIENTIST</u>	<u>BENEFICIARY BUREAU/COUNTRY</u>	<u>SUPPORT PROVIDED</u>	<u>DATES</u>
Essie Brown**	Philippines Dominican Republic/Haiti Sudan Bangladesh	Team review and drafting of new Project Paper on Control of Vertebrate Pests	Dec 1980 March 1981
Haines/Walker	Miscellaneous	Country clearances, approvals for travel, screening unsolicited proposals, completing PESs, PAFs, PPs, and PIO/Ts, DS/AGR Project Evaluations (Technical and Managerial inter- divisional meetings, TPCA Livestock sub- committees, JRC and RAC meetings, locating experts for missions, distributing production reports to missions, fulfilling requests for publications, reviewing CDSSs, assisting in studies of regional proposals.	

*All support provided by Dr. Walker was travel associated with DS/AGR/AP duties or in response to Mission requests.

**Ms. Brown is a Program Assistant who provides staff support in the preparation of project budgets, and drafting of Project Documentation.