

PROJECT APPRAISAL REPORT (PAR)

PD-AAA-839-E1

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Graduate Agriculture Faculty

6. PROJECT DURATION: Began FY 72 Ends FY 78	7. DATE LATEST PROP May 1970	8. DATE LATEST PIP August 1972	9. DATE PRIOR PAR None
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10. U.S. FUNDING (000)	a. Cumulative Obligation Thru Prior FY: \$ 501	b. Current FY Estimated Budget: \$ 193	c. Estimated Budget to completion After Current FY: \$ 1,743
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11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)

a. NAME West Virginia University	b. CONTRACT, PASA OR VOL. AG. NO. Contract
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I. NEW ACTIONS PROPOSED AND REQUESTED AS A RESULT OF THIS EVALUATION

A. ACTION (X)			B. LIST OF ACTIONS	C. PROPOSED ACTION COMPLETION DATE
USAID	AID/W	HOST		
X		X	1. Makerere University, in cooperation with WVU Technical staff should evaluate research projects with reference to physical location and staff availability. Security and expected possible decrease in staff makes this evaluation advisable.	July 1, 1973
X		X	2. Annual field Day at Kabanyolo Research Farm was postponed in 1972. Effort should be made to re-instate this event if at all possible.	August 1973

D. RE-PLANNING REQUIRES	<input type="checkbox"/> REVISED OR NEW <input type="checkbox"/> PROP <input type="checkbox"/> PIP <input type="checkbox"/> PRO AG <input type="checkbox"/> PIO/T <input type="checkbox"/> PIC/C <input type="checkbox"/> FIO/P	E. DATE OF MISSION REVIEW December 29, 1972.
PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE REX. A. Ottley		MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE A/DIRECTOR: R. G. Huesman

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II. PERFORMANCE OF KEY INPUTS AND ACTION AGENTS

A. INPUT OR ACTION AGENT CONTRACTOR, PARTICIPATING AGENCY OR VOLUNTARY AGENCY	B. PERFORMANCE AGAINST PLAN							C. IMPORTANCE FOR ACHIEVING PROJECT PURPOSE (X)					
	UNSATISFACTORY		SATISFACTORY			OUTSTANDING		LOW		MEDIUM		HIGH	
	1	2	3	4	5	6	7	1	2	3	4	5	
1. West Virginia University					X								X
2.													
3.													

Comment on key factors determining rating: **While West Virginia University is the prime contractor, Ohio State University and North Carolina A&T are also providing technicians through WVU. Four Technicians were on board at the beginning of the project two came about six months later and the remaining two arrived before end of FY-72. The project is largely technical assistance and is now operating effectively with all staff in place. Research and teaching are both progressing at satisfactory level.**

The consortium arrangement seems to be working better than expected. The five rating might have been higher except for delay in project becoming fully staffed.

4. PARTICIPANT TRAINING					X									X
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Comment on key factors determining rating: **Three participants remaining from the old contract are expected to return by 1974 with PH.D. training. We sent the first PH.D. candidate in June 1972 and have selected two to enter PH.D. training in Dec. 1972. A further selection of 3 candidates are expected to go to U.S. for PH.D. training in September 1973. (Para 2 Cont'd... next page)**

5. COMMODITIES					X					X				
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Comment on key factors determining rating: **Funds amounting to \$10,000 were allocated during the fiscal year 1971/72 and \$8150.00 were spent, leaving the remainder for transport & handling. The funds allocated in 1972/73 were of the same magnitude & approximately 60 percent have been ordered for books & teaching aids. Large capital inputs were provided by other donors and are now in use. Commodity funds are under the contract, where contractor performance have been very**

6. COOPERATING COUNTRY	a. PERSONNEL					X								X
	b. OTHER				X									X

Comment on key factors determining rating: **Personnel: Trained local staff is the key to success of the project. Each Technician supplied under the contract is expected to be replaced by highly qualified Ugandan when project ends. The size of the faculty is growing. There are presently 50 staff members, 13 of which are Ugandans who are carrying full teaching and research responsibility. It is becoming easier to get Ministry staff released to enter advanced training in order to join University staff.**

Other: Housing was provided for staff and was in most cases adequate relative to other staff members at the University. Office space was adequate, but secretarial help was not adequate either in numbers or in competence. Budget support, was considered adequate in all areas of project implementation.

7. OTHER DONORS					X									X
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(See Next Page for Comments on Other Donors)

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IV. PROJECT PURPOSE

1. Statement of purpose as currently envisaged.

2. Same as in PROP? YES NO

To assist in the development of a postgraduate program in Agriculture at Makerere University, Kampala, which will serve the needs of East African countries. Major emphasis under this project will be in the fields of crop production and Rural Economy. The purpose of the project is to assist in making Institutional changes and to train highly qualified staff members to replace contract staff before FY 78.

B. 1. Conditions which will exist when above purpose is achieved.

2. Evidence to date of progress toward these conditions.

Improved postgraduate courses will have been developed; research programs will be more relevant to the needs of the country and a greater proportion of the staff will be Ugandans. The library will have been expanded & improved and research area at Kabanyolo will have been expanded to approximately four hundred acres. The agriculture Faculty at Makerere will be better equipped with new courses and trained Ugandans to carry forward work on postgraduate study.

1. There is a greater emphasis on postgraduate training in the Faculty and coursework is getting greater emphasis.
2. There are an increasing number of Ugandans on the staff, now there are 13 out of 50, in another two years there will be an additional ten Ugandans who will have PH.D. degrees and join the staff.
3. Research projects are increasing in importance at Kabanyolo farm. In 1965 there were two acres under research plots, by 1972 this had increased to 90 acres. Livestock research and economics research are in addition to this large amount in crops at Kabanyolo. Other research is being carried out by staff & postgraduate students in other parts of Uganda and East Africa.
4. The enlarged number of undergraduate students & graduates is providing a larger pool of students from which to select Cont'd

V. PROGRAMMING GOAL

A. Statement of Programming Goal

Increase postgraduate training in order to meet the growing needs of high level manpower in Uganda and East Africa. This will also provide a basis for increasing the volume of relevant practical research in Uganda's agriculture. In 1972 seventy two students were enrolled in postgraduate studies at Makerere Ag. Faculty with prospects of accommodating ninety per year.

B. Will the achievement of the project purpose make a significant contribution to the programming goal, given the magnitude of the national problem? Cite evidence.

Prior to the involvement of USAID with the WVU contract there was little or no postgraduate training in the Faculty. The training was M.Sc. by thesis only, thus giving the student a very narrow training.

Since (1970) the Faculty has accepted the coursework approach in conjunction with the thesis as the method of training M.Sc. PH.D. training is de-emphasized and remains as a thesis degree.

There has been greater interest in formal coursework requirements, for the M.Sc. The Rural Economy Department (supported by Ford Foundation) and USAID has developed a program with a 60% coursework component and a thesis. This program is regional for Eastern Africa and includes 6 countries. Other department in the Faculty are now planning greater coursework components for their M.Sc. program and early discussions are beginning on PH.D. coursework. Cont'd...

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PART CONTINUATION SHEET

This sheet is to be used for any Narrative Sections for which sufficient space has not been provided on the form. Identify each narrative by its Part and Section Designation.

B.(2) Evidence to date of progress toward these conditions.

4. postgraduate students. This is helping improve the program; there are also more students from a larger number of foreign countries.

V. PROGRAMMING GOAL: Cont'd

- B. There was no in-residence training in the Faculty in 1965. Most students lived away from the University and conducted research with limited supervision. Now a large proportion of the students live on campus or at Kabanyolo Farm where they are near their research and their supervisor. Both the increased coursework and greater emphasis on in-residence training has given the postgraduate training at Makerere a greater American flavor. This has helped provide an enrichment to use the postgraduate research as a basis for development of improved teaching material for undergraduate and postgraduate training. This material has greater relevance to local conditions.

The staff development program has been enlarged. The largest number of PH.D. candidates have been trained overseas, mainly the U.S. with either USAID or Rockefeller Foundation funding. There are, however, other donor funds being used to train future African staff members at M.Sc. (mainly) and a few PH.D.'s at Makerere.

The number of PH.D. candidates will increase as the M.Sc. program matures and a larger number of students are graduated. This will provide a larger sample from which to select. There are presently 36 M.Sc. out of 56 which are Ugandans. The number of PH.D. candidates sent under the contract will be approximately 16; these added to the present 13 Ugandan staff members and those coming from other sources should provide about 80 percent Ugandan by 1978. This is perhaps the maximum number of Ugandans the Faculty will hope to have in future, because there will usually be some foreign expertise needed and desired on the Faculty.

U.S. contract staff members are also conducting research projects of their own. Some are being done in cooperation with Ministries of Animal Research or Agriculture. Some very significant results are expected which will have beneficial effect on the economy of Uganda. An example of this is the potato research project where blight resistant varieties have already been produced and are now being increased for seed distribution to farmer.

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II. 7. Continued: Comment on key factors determining rating of Other Donors: There have been large inputs by donors CIDA provided staff and capital inputs; NORAD provided staff and capital developments. Rockefeller provided scholarships, topped up staff salaries and funds for capital development. Ford Foundation provided major funding for the establishment of the Rural Economy M.Sc. program, including scholarships, travel, books and equipment and funds to hire added staff. ODA provided staff and research funds. Other Donors have limited responsibility in the two departments of crop production and Rural Economy, where the contract is primarily concerned. The overall donor rating was given on basis of performance in the Agriculture Faculty as a whole.

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PROJECT
		CUMU- LATIVE PRIOR FY	CURRENT FY 73		FY 74	FY 75	
			TO DATE	TO END			
B.Sc. Graduates in Agriculture after completing a 3 year course	PLANNED	221	0	61	71	101	78
	ACTUAL PERFORMANCE	221	0				
	REPLANNED			61	71	101	755
M.Sc. and PH.D. Research, and write up supervised by U.S. contract staff	PLANNED	23	7	12	22	18	95
	ACTUAL PERFORMANCE	24	6				
	REPLANNED			11	20	17	92
Develop new postgraduate course, with teaching material and course outlines.	PLANNED	7	9	9	4	3	23
	ACTUAL PERFORMANCE	5	9				
	REPLANNED			9	3	2	19
Ugandan staff members who have left for training in USA at PH.D. level under USAID	PLANNED	3	1	3	3	7	16
	ACTUAL PERFORMANCE	3	1				
	REPLANNED			3	3	67	16
C. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS		COMMENT:					
1. Development of new post-graduate courses.		At the beginning of the project a limited number of suitable graduate courses were available. As of this date nine new courses have been developed which greatly improves quality of instruction and in turn insures higher quality of graduates.					
2. Intraduction of both re-search and academic study for M.Sc. & PH.D. students.		COMMENT: Prior to this project many advanced degrees were given for students doing only research or academic work. Degrees are now based on a combination of these, resulting in a graduate with much broader understanding of his professional field.					
3. Students now in residence at Campus or Kabanyolo giving closer contact with supervisor and research.		COMMENT: Prior to 1965 most students lived off campus and worked on thesis with much supervision. With change to living on campus or at research center quality and quantity of supervision is improved. Students are better trained as result of this change.					

SECURITY CLASSIFICATION UNCLASSIFIED

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PAR CONTINUATION SHEET

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(Cont'd Page 2. No.4 para II)

II. The project participant training is essentially on schedule due to B.Sc. degree candidates being developed under the previous project. Finding suitable candidates for advanced degrees was difficult earlier, but is now much improved due to the larger numbers of B.S. degrees being granted. All participants are now being sent under contract funding. Contractor performance under this new arrangement is fully adequate. Consideration of this and quality and quantity of participants being trained justifies the overall rating of five which has been given.