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AGENCY FOR INTERNATIONAL DEVELOPMENT PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS PART I		1. TRANSACTION CODE <input type="checkbox"/> A <input type="checkbox"/> B ADD <input type="checkbox"/> C CHANGE <input type="checkbox"/> D DELETE	PAF 2. DOCUMENT CODE 5
3. COUNTRY/ENTITY DS/AGR/AP Type C. Field Service		4. DOCUMENT REVISION NUMBER 8	
5. PROJECT NUMBER (7 digits) 931-0030		6. BUREAU/OFFICE A. SYMBOL B. CODE DSB [10]	
7. PROJECT TITLE (Maximum 40 characters) Sterility Method for Tsetse Fly		8. EST. PERIOD OF IMPLEMENTATION (for 24 months extension) YRS. 0   2 QTR. -	
9. PROJECT APPROVAL DECISION <input type="checkbox"/> A A - APPROVED <input type="checkbox"/> B B - DISAPPROVED <input type="checkbox"/> C C - AUTHORIZED			

10. APPROVED BUDGET AID APPROPRIATED FUNDS (\$000)									
A. APPROPRIATION	B. PRIMARY PURPOSE CODE	PRIMARY TECH. CODE		E. Thru 09/30/80		H. 1st FY 81		K. 2nd FY 82	
		C. GRANT	D. LOAN	F. GRANT	G. LOAN	I. GRANT	J. LOAN	L. GRANT	M. LOAN
(1) ARDN	111 I	951	--	4992	-	250	-	-0-	-
(2)									
(3)									
(4)									
TOTALS				4992	-	250	-	-0-	-

A. APPROPRIATION	N. 3rd FY 83		Q. 4th FY 84		LIFE OF PROJECT		11. PROJECT FUNDING AUTHORIZED	
	O. GRANT	P. LOAN	R. GRANT	S. LOAN	T. GRANT	U. LOAN	1. ENTER APPROPRIATE CODE(S)	2. INCREMENTAL LIFE OF PROJECT
(1) ARDN	0	-	0		5242	-		2
(2)								
(3)								
(4)								
TOTALS		0	-	0		5242		8   1

12. INITIAL PROJECT FUNDING ALLOTMENT REQUESTED (\$000)			13. FUNDS RESERVED FOR ALLOTMENT	
A. APPROPRIATION N/A	B. ALLOTMENT REQUEST NO. _____		N/A	
	C. GRANT	D. LOAN	TYPED NAME (Chief, SER/EM/FS/)	
(1)			SIGNATURE	
(2)			DATE	
(3)				
(4)				
TOTALS				

14. SOURCE/ORIGIN OF GOODS AND SERVICES  300  341  LOCAL  OTHER \_\_\_\_\_

15. FOR AMENDMENTS, NATURE OF CHANGE PROPOSED

This amendment extends the life of the project for 24 months (from December 1, 1980 to November 30, 1982), and requires additional funds of \$250,000--a revised Scope of Work is attached. All other conditions of the currently approved project remain the same.

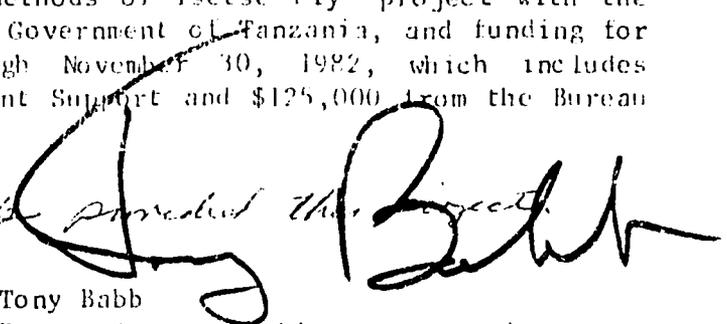
FOR PAF P143 USE ONLY	16. AUTHORIZING OFFICE SYMBOL	17. ACTION DATE	18. ACTION REFERENCE (Optional)	ACTION REFERENCE DATE
		MM DD YY		MM DD YY

PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS  
PART II

ENTITY: Bureau for Development Support  
PROJECT TITLE: Sterility Methods for Tsetse Fly  
PROJECT NUMBER: 931-0030

I hereby authorize a twenty-four month extension (from December 1, 1980 to November 30, 1982) of the "Sterility Methods of Tsetse Fly" project with the U.S. Department of Agriculture and the Government of Tanzania, and funding for \$250,000 for December 1, 1980 through November 30, 1982, which includes \$125,000 from the Bureau for Development Support and \$125,000 from the Bureau for Africa.

*No further DSB funds will be provided this project.*

  
Tony Babb  
Deputy Assistant Administrator for  
Food and Nutrition  
Bureau for Development Support

Date: 5-6-81

Clearances:

DS/AGR/AP: John Walker JWW Date 3/23/1981  
DS/AGR/AP: DButchart DB Date 3/23/81  
DS/AGR/AP: SEngberg SE Date 3/26/81  
DS/AGR/AP: JMyohe JM Date 3/28/81  
DS/AGR: M Mozynski MEM Date 3/30/81  
DS/AGR: James Walker JW Date       
DS/AGR: DFiester DF Date       
DS/PO: ASilver AS Date 4/28/81  
DS/PO: BChapnick BC Date 5/6/81  
AFR/DR: JWKoehring JK Date 1/8/81

References:

- Action Memorandum: Fiester to Babb (attached)
- Budget for 24-month extension period (attached)
- Scope of Work for 24-month extension period (attached)

ACTION MEMORANDUM FOR THE DEPUTY ASSISTANT ADMINISTRATOR FOR FOOD AND NUTRITION  
BUREAU FOR DEVELOPMENT SUPPORT

FROM: DS/AGR, Donald R. Fiester

SUBJECT: Twenty-four Month Extension (December 1, 1980 to November 30, 1982)  
for the Project "Sterility Methods for Tsetse Fly," Project Number  
931-0030

Problem: Your authorization is required for a twenty-four month extension of the "Sterility Methods for Tsetse Fly" project requiring \$250,000.

Discussion: The research program at Tanga, Tanzania was established by AID and administered by the U.S. Department of Agriculture, to evaluate the Sterile Insect Release Method (SIRM) for control of Glossina morsitans morsitans. The program goals were achieved during the tenure of the Tanga program. After baseline data were established, sterile males were released into the native population following aerial spraying with endosulfan. Sterile male release accounted for maintaining 90% control of the indigenous population after spraying, and immigration could account for the failure to achieve absolute control.

Since tsetse fly/trypanosomiasis control is an integral factor affecting development in Africa, DS and AFR conducted a comprehensive examination of the situation. The evaluation consisted of sending a representative specialist from each Bureau to Tanzania in January 1980, for an on-site appraisal and consideration of the recommendations of the AID-supported international task force on tsetse and trypanosomiasis control under auspices of the Organization of African Unity (The McKelvey Report, January 1980).

After a series of meetings between DS and AFR technical personnel, Golar Butcher (AA/AFR) and Sander Levin (AA/DS) and their respective staffs met on November 10, 1980 and agreed that:

1. AID will continue to support tsetse fly/trypanosomiasis research and control activities in Africa but that AID should explore participation in a comprehensive Pan-African program.

2. The results at Tanga have revealed the magnitude of work that has been carried out to assess the SIRM method of tsetse fly control, and the research there has confirmed the potential of the technique as a tool to complement conventional methods of control. There are some specific situations where the SIRM technique may be useful in reducing overall costs of large control programs, but the most promising benefits of the work conducted at Tanga was the demonstrated practicality of establishing and maintaining a tsetse fly colony in an African environment for a great variety of research and training projects. The next step will be to adapt the membrane fly feeding technique in lieu of live animal feeding of flies at the Tanga facility aiming at a substantial reduction in costs per fly produced. Also, this facility has functioned as an excellent training and orientation site for Africans from several nations in the past and could continue in this role.

3. Bridge funding totaling \$250,000 will be shared equally and provided from the Bureau for Africa and the Bureau for Development Support for the twenty-four months extension of the "Sterility Methods for Tsetse Fly" project at Tanga, Tanzania. An AID Tsetse Fly/Trypanosomiasis Task Force will be established for planning and implementing research and control activities, supported by AID membership, and will provide for multi-disciplinary technical and economic review before proposals are presented to senior levels for administrative decisions.

The Bureau for Africa has transferred \$125,000 to the Bureau for Development Support to pay their part of the agreement.

Currently the Tanzanian Government is spending in excess of \$175,000 annually on this project and would expect to continue this level of support. Future tsetse fly/trypanosomiasis control in Africa will need the capability developed at Tanga. The facility at Tanga may eventually be integrated into a broad Pan-African multi-donor program during the two-year extension. Also during the two-year extension, at least one expatriate will be identified and located at Tanga to begin the fly colony built-up using the artificial membrane technique. (See attached Scope of Work and a Budget for more details on the activities of the two-year bridge period.)

If you concur in this action, negotiation will begin to recruit a minimum staff for the bridge period.

Recommendation: That you approve the twenty-four month extension of this project requiring \$250,000 additional funds for the two-years, 50% (\$125,000) from the Bureau for Africa and 50% (\$125,000) from the Bureau for Development Support, by signing the attached PAF.

Clearances:

DS/AGR/AP: DButchart DB Date 4/16/81  
DS/AGR/AP: JMohe JM Date 4/17/81  
DS/AGR: NMozyński NM Date 4/20/81  
AFR/DR: JWoehring JW Date 4/21/81  
DS/PO: BChapnick BC Date 4/16/81

DS/AGR/AP: JWalker:ts:04/15/81

JWalker 4/15/81

BUDGET

Extension of "Sterility Methods for Tsetse Fly" Project No. 931-0030

Funding Period

From: December 1, 1980 to  
November 30, 1982

Personnel

Professional (Short Term Consultants)	\$ 30,000
Technical (Full Time)	60,000
Materials and Supplies (Recurrent)	28,000
Insectaries' Repair and Service (Development)	25,000
Vehicle (Purchase, Operation, Maintenance, Spare parts and Repairs.)	32,000
Travel	25,000
Training (Tanzanian Scientists and Technicians)	15,000
Contract with International Atomic Energy Agency, Vienna, Austria and Langford House, Bristol, U.K.	15,000
Other Costs	<u>20,000</u>
TOTAL	\$250,000

## SCOPE OF WORK

### Extension of "Sterility Methods for Tsetse Fly" Project Number 931-0030

The major effort of this extension will be directed toward identifying and testing techniques aimed at rearing tsetse flies at lower cost, and training and development of personnel.

These efforts are:

- A. Adapt the G. morsitans tsetse fly colony to artificial membrane feeding from live animal feeding.
- B. Experiment with various species sources (pig, bovine, equine, avian and other) of blood to identify the least cost source for G. morsitans flies produced under African conditions.
- C. Experiment with additional species of the tsetse fly common to East Africa on artificial membrane feeding for determining least cost for flies produced under African conditions.
- D. Develop and implement a training program for in-country tsetse fly technical and support personnel.
- E. Offer training to tsetse fly technical personnel of other African countries on a space available basis.
- F. Complete two-year study by Langford House, Bristol, U.K. on the responses of tsetse flies to light of various wave lengths.