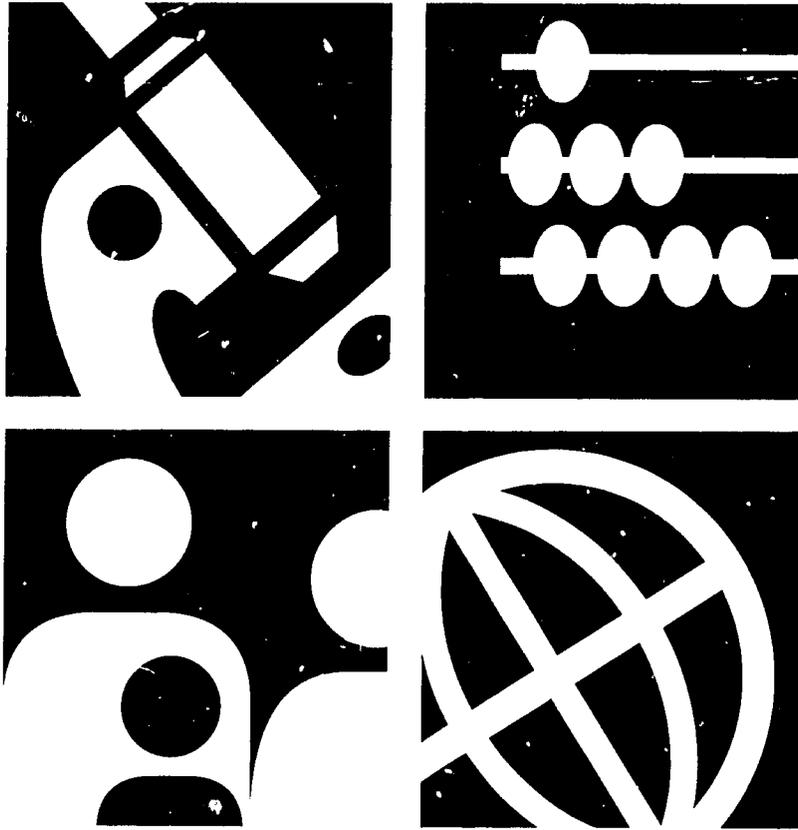


VECTOR BIOLOGY AND CONTROL PROJECT



1991 WORK PLAN

PD-ABC-416

Feb 7 1991

Vector Biology and Control Project

1991 Work Plan

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1. Introduction

- o In 1956, 1,000 people in Kenya's Mwea district were examined for schistosomiasis and no cases were found. By 1988, after a large new ricefield irrigation scheme created breeding sites for snails, the prevalence of schistosomiasis had risen to more than 70 percent.
- o Extensive mining and forest exploitation in Amazonia during the past two decades have resulted in rapid immigration of non-immune people from malaria-free areas. Many of these immigrants eventually returned to their homes, reestablishing 26 foci of malaria in other parts of Brazil. The number of malaria cases in the country climbed from 53,000 in 1970 to more than 500,000 in 1990.
- o A highly successful anti-malaria campaign from 1954-64 reduced malaria incidence in Sri Lanka from half a million per year to only 17 reported cases. In 1982, however, a severe outbreak began and by 1987, the number of cases had risen to 600,000 a year. New foci in previously malaria-free areas along the Mahaweli River, where major irrigation and hydroelectric schemes were built during the 1970s and 1980s, contributed to this dramatic resurgence of malaria.

These experiences are not unique. They are only a few examples of economic development projects that have inadvertently increased the risk of disease among those they were designed to help. Throughout the world, man-made environmental changes caused by irrigation, mining, forestry and other development efforts are creating new breeding sites for the vectors of disease and attracting nonimmune people into disease-endemic areas.

But increases in disease transmission are not the inevitable result of economic development. Careful planning of development projects in agriculture, water and sanitation, forestry and other sectors can help prevent some of the harmful environmental changes that promote disease transmission (pp. 6-7). Successful disease control efforts can enhance economic development by opening up fertile land for farming, improving workers' productivity, limiting school absenteeism, encouraging tourism and reducing premature death.

A.I.D.'s Bureau of Science and Technology (S&T) recognizes that disease control is an essential component of the Agency's efforts to promote sustainable development. It has established the Vector Biology and Control (VBC) Project as A.I.D.'s resource for technical

assistance, institutional strengthening and training in vector-borne disease control. In a recent survey to determine the priorities of the Agency's regional Bureaus and their views on the relevance of technical assistance provided, VBC was ranked first among S&T Office of Health projects.

VBC is a 10-year effort to strengthen vector-borne disease control programs in the developing world. The objectives for the second phase of the Project (VBC II), which were developed as part of the FY 1990 work plan, "Vector-Borne Disease Control: Changing Strategies," are listed below. This work plan describes how the VBC team will work toward achieving these objectives during the second year of VBC II.

- Objective 1** To develop planning and management tools that will assist host country governments and A.I.D. Bureaus and Missions in devising sustainable regional and country strategies to address vector-borne diseases.
- Objective 2** To improve planning, monitoring and evaluation of control programs by designing integrated health and management information systems (HIS/MIS) that permit appropriate information flow between policy makers, program managers, field staff and community workers.
- Objective 3** To design and implement epidemiologic surveillance systems to provide the information communities and program managers need to plan, conduct and evaluate control efforts.
- Objective 4** To develop and promote the use of cost-effective, environmentally sound vector control and surveillance methods that will reduce human-vector contact and disease transmission.
- Objective 5** To implement human resource development (HRD) programs that improve the viability of developing country efforts to plan, manage and evaluate regional, national and community-based interventions to control disease.
- Objective 6** To strengthen the capacity of less developed country (LDC) institutions and communities to conduct and use applied research to solve managerial and operational problems.

- Objective 7** To develop and test effective ways of achieving behavioral change to prevent and control vector-borne diseases through personal protection and community-level interventions.
- Objective 8** To work with donors and development organizations to integrate vector-borne disease control efforts into other sectors, including agriculture, forestry, water, housing, health service delivery and financing.
- Objective 9** To improve LDC program managers' and policy makers' access to information about vector-borne diseases and to support their research and control efforts by strengthening the ability of LDC information centers to collect, use and disseminate information.
- Objective 10** To strengthen VBC communications initiatives to inform U.S. and LDC audiences about vector-borne diseases and promote advocacy for innovative approaches to control.

Work Plan Highlights

This section describes some of the progress the Project has made toward achieving these objectives and highlights many of the activities the VBC team plans to initiate in 1991.

Strengthening Institutions

Vector-borne disease control can be sustained only through the efforts of host-country institutions. Therefore, VBC has given highest priority to activities that strengthen the technical and management capabilities of such institutions. Strategy development, management information systems, training of trainers and improving the capability of institutions to do operational research have all been pursued by VBC as institutional strengthening initiatives (Objectives 1, 2, 5 and 6.)

In 1991, VBC will attempt to examine some of the fundamental issues facing institutions involved in planning, managing and financing vector-borne disease control efforts (Objective 1). A catalogue of policies that constrain or enhance vector-borne disease control will be prepared to guide future policy dialogue (p. 78). VBC will also help governments

integrate their malaria control programs into the general health services in Ecuador (p. 123) and El Salvador (p. 47). The Project will assist the governments of Sri Lanka (p. 49) and Kenya (p. 50) by examining the effectiveness of their control institutions and helping them develop more sustainable, integrated vector-borne disease control strategies.

Through a series of buy-ins to the Project (pp. 133-136), VBC will assist USAID/La Paz and the Government of Bolivia in coordinating the efforts of government institutions and PVOs to address intersectoral issues involved in the control of Chagas' disease. Finally, VBC will help Zimbabwe's Ministry of Health (MOH) define a role in vector-borne disease control for the Blair Research Laboratories (p. 54), one of the country's primary tropical medicine resources.

Human resource development

Human resource development is an essential part of VBC's institutional development efforts (Objective 5). In 1990, with assistance from our subcontractors and colleagues from CDC, we identified a four-year training agenda that will address the technical and management needs of institutions that have different levels of responsibility. This approach will make it possible to adapt training methods and materials to the specific needs of host-country institutions. VBC has reviewed existing training materials for vector-borne diseases and has begun to identify regional training institutions that could work with us in developing needed materials.

In 1991, the Project will develop a standardized assessment instrument that will be used by host-country personnel to identify training needs at all institutional levels, from policy makers to village educators (p. 79). This activity will lay the groundwork for developing and field testing training modules for different levels of health service personnel (p. 73). Training of trainers will help national programs meet continuing requirements for qualified personnel.

Financing

Historically, programs to control vector-borne diseases have been highly centralized, labor-intensive and financially unsustainable without external support. Unless creative approaches

to financing disease control are found, it is doubtful that many control programs will survive the 20th century.

In 1991, VBC will begin to help host-country institutions develop financing strategies (Objective 1). The Project will hold a workshop to examine alternative financing mechanisms from other sectors and develop approaches to apply them to sustaining vector-borne disease control (p. 77). A study is planned to measure the impact of existing self-financing health plans on malaria epidemiological indicators (p. 80). Through a buy-in from USAID/La Paz, VBC will participate in the design of a project to reduce the prevalence of Chagas' disease, which will include housing improvement financed by community-based revolving loan funds (pp. 133-136).

Health and management information systems

Computer-assisted information systems are an important management tool for improving the sustainability of vector-borne disease control programs (Objective 2). By providing accurate, timely information about epidemiological and entomological indicators, personnel and finances, these systems enable program managers to target resources where they are needed most. VBC began helping host-country institutions develop health and management information systems (HIS/MISs) in 1986. During 1990, we provided technical assistance in HIS/MIS in Ecuador, El Salvador, Pakistan and Nepal.

In 1991, VBC plans to institutionalize the lessons learned from these experiences by developing guidelines for malaria information systems (p. 97) and a model vector-borne disease control database (pp. 71, 76). Project staff will continue to provide specific host-country assistance in HIS/MIS to Zimbabwe (p. 53), Swaziland (p. 55) and Nepal (p. 56). VBC's subcontractor the Jackson Foundation will work with PAHO and CDC to develop a model geographical information system (GIS) to demonstrate how computer mapping technology can be used to organize vector control resources to control dengue (p. 68).

Environmental issues

In VBC's work with vector-borne disease control programs throughout the developing world, the Project has encouraged

the use of a variety of complementary control measures, or integrated vector control (IVC). These "IVC" strategies improve the environmental and financial sustainability of control programs by reducing the need for insecticide spraying (Objective 4).

The Project is also working to increase the arsenal of environmentally safe control measures. VBC field studies in Honduras have demonstrated the effectiveness of the biological control agent *Bti* against malaria vectors in Central America. This year's work will concentrate on cost-effectiveness and utility, and on the use of slow-release microencapsulated forms of *Bti* (pp. 43, 61). VBC will also test the efficacy of *Cyclops*, a predaceous crustacean, against the vector of dengue in Honduras (p. 63), and promote the use of community participation and environmental sanitation, rather than insecticides, to prevent dengue and dengue hemorrhagic fever (DHF) transmission in urban areas of Latin America and the Caribbean (p. 105).

VBC has assessed the potential environmental impact of proposed malaria control programs in several countries. We have used the lessons learned from these activities to develop a manual on conducting environmental assessments of vector-borne disease control projects.

In addition to promoting environmentally sustainable control methods and strategies, VBC has always had a strong interest in demonstrating the effects of environmental change on disease transmission. During VBC I, a Project staff member wrote a major review article on the association between rice cultivation and vector-borne disease. In 1991, a VBC white paper will review published works on urbanization and the risk of vector-borne diseases to provide the background for designing cost-effective urban control strategies (p. 70). Researchers from VBC subcontractor Harvard University will complete a feasibility study for a computer model to predict the impact of river basin development options on human health (p. 100).

Intersectoral collaboration

Studies of the relationship between environmental change and vector-borne disease will help identify opportunities for reducing the risk of transmission through preventive measures and environmental management. These measures will require

advanced planning and coordination between vector-borne disease control specialists and representatives from other development sectors (Objective 8.)

VBC will encourage such intersectoral coordination within A.I.D. by organizing a Malaria Coordinating Group that will bring together representatives from agriculture, forestry, housing, water supply, health, population, education, nutrition, health services, health financing and economics (p. 69).

The Project will also initiate several activities to promote intersectoral coordination at the international level. In 1991, we will work with the WHO/FAO/UNEP Panel of Experts on Environmental Management (PEEM) to organize regional workshops to foster collaboration between the agricultural and public health sectors (p. 64). A collaborative project with PEEM and the International Rice Research Institute (IRRI) will study means of integrating control of the vectors of malaria, schistosomiasis and Japanese encephalitis with agricultural practices (p. 67).

Coordination with other donors and agencies

Almost one-third of VBC's continuing and planned activities for 1991 will be conducted in coordination with other international and national organizations (Objective 8). The Project's collaborative experiences during the past five years have been extremely rewarding, providing opportunities for sharing implementation responsibilities and leveraging resources.

Through a special agreement (PASA) with CDC and a grant to WHO's Special Programme for Research and Training in Tropical Diseases, the S&T Office of Health has provided mechanisms for collaboration in vector-borne disease control efforts. The Project will expand this base of collaboration by inviting other potential donors, such as the Japanese International Cooperation Agency (JICA), to participate in VBC-sponsored needs assessments and evaluations whenever possible.

In 1991, VBC will continue to build on its strong collaborative relationships with WHO, CDC and other health organizations and to forge new relationships with groups in other sectors. We will promote better coordination of vector-borne

disease control within the sector and between sectors through a series of workshops and collaborative activities.

VBC has asked PAHO and the CDC to collaborate in designing appropriate regional strategies for prevention and control of dengue and dengue hemorrhagic fever (DHF) epidemics in urban areas of Latin America and the Caribbean (p. 105). We have begun to identify the strengths and interests of each organization in this area and will work closely with the LAC Bureau, Missions in the region, and host-country governments to design a coordinated strategy that will include a strong emphasis on prevention through community participation and municipal sanitation.

As part of its technical assistance to the Bolivian Chagas' disease control project, VBC will work with the Mission to encourage other donors to join in developing an extended multi-donor project that builds on USAID and PL-480 assistance. VBC will also encourage Chagas' disease control specialists from other Latin American countries to share their successful experiences with Bolivia. Three of Latin America's foremost Chagas' experts will serve as VBC consultants at the project planning meeting in La Paz (p. 133).

A number of collaborative activities with health, agriculture and development groups are discussed above in the section on environmental issues. Additional efforts include working with the Peace Corps to field test a training manual for volunteers participating in national programs to eliminate Guinea worm disease (p. 90), and collaborating with the Peace Corps, UNICEF and CDC to eliminate Guinea worm from Cameroon (p. 72).

During VBC I, the Project established many productive collaborative relationships with other development groups interested in information dissemination. During 1991, we will continue working with S&T/H's Water and Sanitation for Health (WASH) Project to maintain and expand information networks on peri-urban health and development and on Guinea worm disease (pp. 87, 89). We also plan to work with the National Research Council as members of its panel of Science and Technology Information networks in sub-Saharan Africa.

A.I.D.'s New Directions

A.I.D. is beginning to explore new ways of achieving its development goals. Past experience has shown that even the most carefully planned and managed development projects can be stymied by counterproductive host-country policies, institutions with conflicting or duplicative mandates, or failures to match national goals with adequate resources. For example, while paying lip service to the idea of intersectoral coordination, few countries have established enforceable agreements between their ministries of health and other development sectors to ensure that health impact is considered during the earliest planning stages of each development project. The strength of entrenched vertical "malaria eradication" organizations and the reluctance of weak general health services staffs to take on additional responsibilities has made it difficult to integrate vector-borne disease control into primary health care in many countries.

Non-project assistance (NPA) combined with policy dialogue is A.I.D.'s new mechanism for helping host-country decision makers implement the reforms necessary to sustain development efforts. It provides opportunities for identifying the underlying systemic problems that impede successful development and encouraging host-country governments to adopt policies more conducive to economic growth and development.

This strategy also gives technical managers and the Agency's macroeconomic decision makers a valuable opportunity to build stronger collaborative relationships. VBC's contribution will be to identify policy and regulatory reforms that could enhance disease control efforts and remove health constraints to economic development. During the next year, we will commission a review of the national development plans of selected A.I.D.-assisted countries that will identify policies in all sectors that could impede or improve vector-borne disease control (p. 78).

VBC will also provide the information policy makers need to give appropriate priority to control programs by quantifying the economic impact of vector-borne diseases. During VBC I, a team from the Project's subcontractor Harvard University compared the economic impact of malaria in four African countries. This study is the first of a series of economic analyses that will provide sound data for Agency decision makers and a model for assessing malaria's economic impact that can be applied in other regions. During 1991, VBC will prepare a similar study outlining the present and future economic impact of malaria in Malawi

(p. 127). We also hope to conduct a study in a Southeast Asian country that will reveal the cost of dengue infections in children and the demands dengue and DHF place upon a country's health resources (p. 109).

NPA is a particularly useful strategy for promoting intersectoral collaboration because it allows Missions and Bureaus to take a broader view of development problems, address issues at a sectoral level, and integrate resources. VBC plans to provide a powerful new tool to help give public health experts a voice in planning and policy development. Researchers from VBC subcontractor Harvard University are developing a computer model that will combine the water-resource planning models used by engineers with the models epidemiologists use to predict disease transmission (p. 100). This unique integration of disciplines is designed to help generate alternative development plans and assess their impact on the transmission of vector-borne diseases during the earliest planning stages.

2. Summary of the 1991 Plan

The 1991 work plan is a combination of work in progress, proactive ideas from the VBC staff, Senior Advisory Committee and subcontractors, and specific assistance requested by Missions and Bureaus. The VBC team has worked closely with S&T's Office of Health to develop this plan, which includes 57 activities at an estimated cost of \$3.319 million.

In the following chapters, the budget is broken down into the four categories listed below. Additional activities are described in the annexes. Activity sheets are provided outlining the objectives, schedule, type of personnel required and preliminary budget for each activity.

Life-of Project Activities

This category includes the 22 essential planning, management, liaison, outreach, coordination and information dissemination activities necessary to support field work and achieve VBC objectives during the life of the Project.

Mission and Bureau Requests

The 14 activities in this category were developed in response to Mission and Bureau requests, but will be funded through VBC core funds. Core money has also been reserved to enable the Project to respond to future requests.

Proactive Activities

This category includes 21 activities initiated by the VBC staff and the Project's subcontractors.

Continuing Activities

The 14 activities in this category were initiated in FY 1990 and will continue during 1991.

Annexes

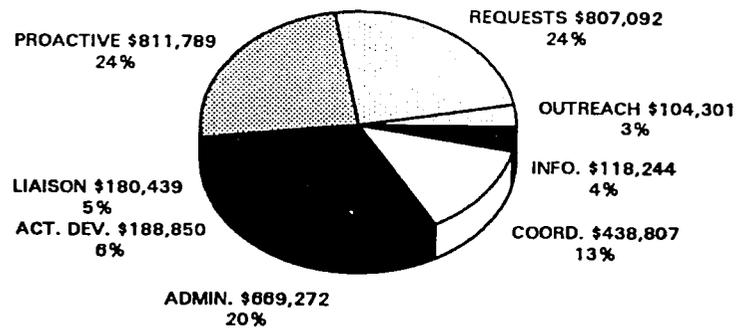
Annex 1 A list of activities that VBC will initiate in 1991 if funding becomes available is presented in Annex 1.

Annex 2 Activities requested by Missions and Bureaus that will be funded through "buy-ins" to the project's separate requirements contract are described in Annex 2.

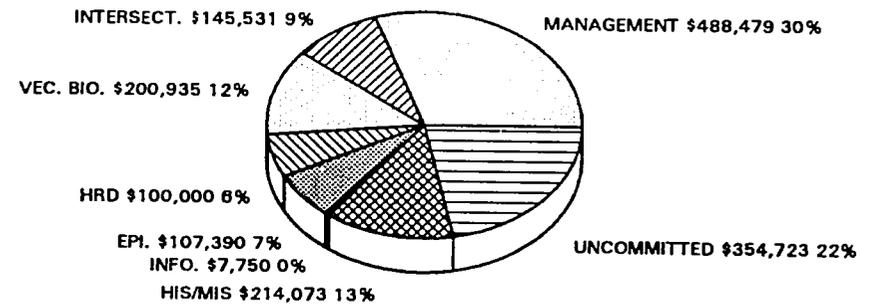
1991 Budget Summary

Budget Section	Budget \$
Life-of-Project	
Administration	669,272
Liaison Activities	180,439
Activity Development	188,850
Outreach and Professional Development	104,301
Information Collection and Dissemination	118,244
Coordination Activities	438,807
	<hr/>
Total Life-of-Project	1,699,913
Mission and Bureau Requests	
Committed Funds	452,369
Uncommitted Funds	354,723
	<hr/>
	807,092
Proactive	811,789
	<hr/>
Total Work Plan Budget	3,318,794

SUMMARY OF 1991 WORK PLAN

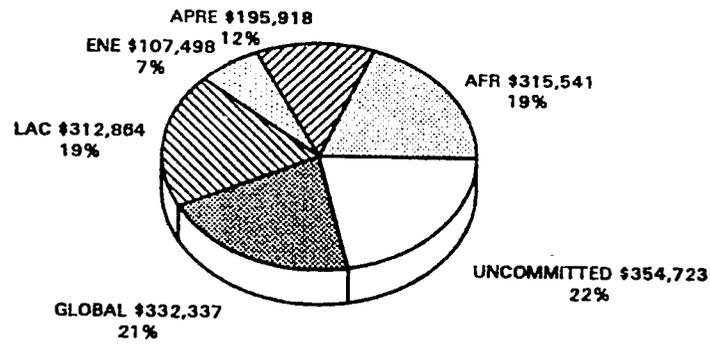


SUMMARY OF 1991 ACTIVITIES BY SECTOR*

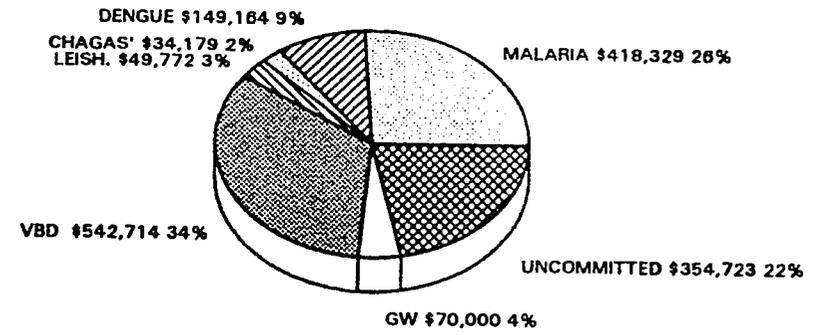


*REQUESTED AND PROACTIVE ACTIVITIES

SUMMARY OF 1991 ACTIVITIES BY REGION*



SUMMARY OF 1991 ACTIVITIES BY DISEASE*



*REQUESTED AND PROACTIVE ACTIVITIES

3. Life-of-Project Activities

A total of \$1.699 million has been budgeted for the 22 core activities of the VBC Project. These include activity planning, administration, outreach, information dissemination, and essential liaison activities with A.I.D. and collaborators.

In 1991, we have added three new LOP activities. These are designed to improve the coordination of VBC subcontractor participation in the Project and provide support to the major planning body, the Technical Advisory Committee (TAC).

Life-of-Project Budget

Code	Title	Budget \$
Administration		
098	General Administration/Office Management	447,345
099	General Technical Services and Preplanning	90,584
112	Computer Systems Maintenance	101,343
	Subtotal	639,272
Liaison Activities		
100	Liaison with S&T/H, Including Project Reporting	73,721
101	Liaison with Bureau for Africa	14,432
102	Liaison with Bureau for Latin America and the Caribbean	17,343
103	Liaison with Europe and the Near East Bureau	11,427
104	Liaison with Non-Regional Bureaus	11,725
105	Liaison with Centers for Disease Control	13,427
106	Liaison with World Health Organization	17,903
107	Liaison with Other Non-A.I.D. Agencies	9,043
119	Liaison with Asia and Private Enterprise Bureau	11,427
	Subtotal	180,439
Activity Development		
108	Core Contract Activity Development	97,895
109	Requirements Contract Activity Development	90,955
	Subtotal	188,850
Outreach and Professional Activities		
110	VBC Intern Program	54,059
111	Professional Development/Seminars/Outreach	50,242
	Subtotal	104,301

Information Collection and Dissemination

114	Information Acquisition/Distribution, Proactive	59,359
115	Information Acquisition/Distribution, Reactive	58,885
	Subtotal	<u>118,244</u>

Coordination Activities

113	Senior Advisory Committee	36,808
116	Coordination of Harvard Subcontract	113,419
117	Coordination of Jackson Foundation Subcontract	188,264
118	Coordination of Tulane Subcontract	100,316
	Subtotal	<u>438,807</u>

	Total Life-of Project Budget	1,699,913
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VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 098

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Lennox, R.

TITLE OF ACTIVITY: General Administration/Office Management

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC Staff/A.I.D. Staff

LOCATION: VBC Office

OBJECTIVES: Maintain staff, equipment and facilities of the VBC Project.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Administrative, Accounting, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *[Signature]*

APPROVED:

BY WHOM:	<i>[Signature]</i>	LEVEL OF EFFORT IN DAYS:	420
DATE:	<i>20 Sept 90</i>	81	\$381,876.00
		82	
		TOTAL COST:	<u>\$381,876.00</u>

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991	<u>95,469.00</u>
TOTAL APPROVED	<u><u>\$477,345.00</u></u>

[Signature]
 Name

4 Dec 90
 Date

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 099

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Lennox, R.

TITLE OF ACTIVITY: General Technical Services and Preplanning

ORIGIN OF ACTIVITY: A.I.D./ S&T/H

AUDIENCE: VBC Staff/A.I.D. Staff

LOCATION: VBC Office

OBJECTIVES: Provide technical services not linked to specific activities

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Administrative, Technical, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *dk*

APPROVED:	LEVEL OF EFFORT IN DAYS: 123	
BY WHOM: <u><i>John H. Lennox</i></u>	81	\$72,467.00
DATE: <u>28 Sept 90</u>	82	
	TOTAL COST:	<u>\$72,467.00</u>
Amendment for Period Oct. 1, 1990 - Dec. 31, 1991		<u>18,117.00</u>
	TOTAL APPROVED	<u><u>\$90,584.00</u></u>

John H. Lennox
 Name

4 Dec 90
 Date

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 100

BUREAU: Central
COUNTRY: United States
DATE: BEGIN: October 1, 1990
FIELD VISIT: None
END: September 30, 1991

ACTIVITY MANAGER: Lennox, R.

TITLE OF ACTIVITY: Liaison with S&T/Including Project Reporting

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC Staff/A.I.D. Staff

LOCATION: VBC Office

OBJECTIVES: Liaison with A.I.D. Staff and preparation of required contract reports.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1990

PERSONNEL/SKILLS REQUIRED: Administrative, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *de*

APPROVED:

LEVEL OF EFFORT IN DAYS: 129

BY WHOM: *John H. [Signature]* 81 \$58,977.00

DATE: 20 Dec 90 82 **TOTAL COST:** \$58,977.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991 14,744.00
TOTAL APPROVED \$73,721.00

John H. [Signature]
 Name

9 Dec 90
 Date

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 101

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Sullivan, P.

TITLE OF ACTIVITY: Liaison with Bureau for Africa

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D. and AFR Bureau Staff

LOCATION: VBC Office/AFR

OBJECTIVES: Keeping Bureau informed of VBC activities and develop plans for action.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991.

PERSONNEL/SKILLS REQUIRED: Technical

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *de*

APPROVED:

LEVEL OF EFFORT IN DAYS: 26

BY WHOM:

81

\$11,546.00

DATE:

82

TOTAL COST:

\$11,546.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

2,886.00

TOTAL APPROVED

\$14,432.00

John H. Austen
 Name

4 Dec 90
 Date

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 102

BUREAU: Central
COUNTRY: United States
DATE: BEGIN: October 1, 1990
FIELD VISIT: None
END: September 30, 1991

ACTIVITY MANAGER: Arata, A.

TITLE OF ACTIVITY: Liaison with the Bureau for Latin America and Caribbean

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D. and LAC Bureau Staff

LOCATION: VBC Office/LAC

OBJECTIVES: Keeping Bureau informed of VBC activities and develop plans for action.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll

APPROVED:

BY WHOM:

[Handwritten signature]

LEVEL OF EFFORT IN DAYS: 28

81

\$13,874.00

DATE:

29 Sept 90

82

TOTAL COST:

\$13,874.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

TOTAL APPROVED

3,469.00

\$17,343.00

[Handwritten signature]

4 Dec 90

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 103

BUREAU: ENE
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Arata, A.

TITLE OF ACTIVITY: Liaison with Europe and Near East Bureau

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D., and Europe and Near East Bureau Staff

LOCATION: VBC Office/ENE

OBJECTIVES: Keeping Bureau informed of VBC activities and develop plans for action.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *de*

APPROVED:

BY WHOM:

John H. Arata

LEVEL OF EFFORT IN DAYS: 22

81

\$ 9,142.00

DATE:

29 Sept 90

82

TOTAL COST:

\$ 9,142.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

2,285.00

TOTAL APPROVED

\$11,427.00

Name

John H. Arata

Date

4 Dec 90

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 104

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Silverman, Barry

TITLE OF ACTIVITY: Liaison with Non Regional Bureaus of A.I.D. other than S&T/H

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D., and other A.I.D. Staff

LOCATION: VBC Office

OBJECTIVES: Keeping A.I.D. Bureaus, offices and departments informed of VBC activities and developing appropriate action plans.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *DC*

APPROVED:

LEVEL OF EFFORT IN DAYS: 21

BY WHOM: John H. Austin

81

\$9,380.00

82

DATE: 28 Sept 90

TOTAL COST:

\$ 9,380.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

2,345.00

TOTAL APPROVED

\$11,725.00John H. Austin
Name4 Dec 90
Date

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 105

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1990

ACTIVITY MANAGER: Andre, R.

TITLE OF ACTIVITY: Liaison with Centers for Disease Control (CDC)

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, CDC and A.I.D.

LOCATION: VBC Office and CDC Atlanta

OBJECTIVES: Keeping CDC informed of VBC activities and develop plans for joint action.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *de*

APPROVED:

LEVEL OF EFFORT IN DAYS: 14

BY WHOM: *John H. Quetta*

81

\$10,742.00

DATE: *28 Sept 90*

82

TOTAL COST:

\$10,742.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

2,685.00

TOTAL APPROVED

\$13,427.00*John H. Quetta*
Name*4 Dec 90*
Date

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 106

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Arata, A.

TITLE OF ACTIVITY: Liaison with World Health Organization (WHO) and Pan American Health Organization (PAHO)

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, WHO, PAHO and A.I.D. Staff Members

LOCATION: VBC Office, WHO/Geneva, and PAHO/Washington

OBJECTIVES: To inform WHO of VBC activities and to plan and implement joint endeavors in VBC central.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED:

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *de*

APPROVED:

LEVEL OF EFFORT IN DAYS: 16

BY WHOM: John H. Hunter

81

\$14,323.00

DATE: 29 Sep 90

82

TOTAL COST:

\$14,323.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

3,580.00

TOTAL APPROVED

\$17,903.00John H. Hunter
Name4 Dec 90
Date

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 107

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Sullivan, P.

TITLE OF ACTIVITY: Liaison With Other Non-A.I.D. Agencies and Organizations (World Bank, Peace Corps, Global 2000, etc.)

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D. and other organizational staffs

LOCATION: VBC Office

OBJECTIVES: To keep other non-A.I.D. organizations aware of VBC activities and to initiate collaborative activities.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *re*

APPROVED:

LEVEL OF EFFORT IN DAYS: 14

BY WHOM:

81

\$7,227.00

DATE:

82

TOTAL COST:

\$7,227.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

TOTAL APPROVED

1,807.00\$9,034.00

Name

Date

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 108

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1990

ACTIVITY MANAGER: Lennox, R.

TITLE OF ACTIVITY: Core Contract Activities Development

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D. and Subcontractors' Staffs

LOCATION: VBC Office and Subcontractors' Offices

OBJECTIVES: To support the development of concept papers, activity sheets, activity implementation plans to be implemented under the Core VBC contract.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff and Subcontractors' Staffs

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *de*

APPROVED:

BY WHOM:

John H. Austin

LEVEL OF EFFORT IN DAYS: 177

81

\$78,316.00

DATE:

28 Sept 90

82

TOTAL COST:

\$78,316.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

TOTAL APPROVED

19,579.00

\$97,895.00

Name

John H. Austin

Date

4 Dec 90

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 109

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1990

ACTIVITY MANAGER: Lennox, R.

TITLE OF ACTIVITY: Requirements Contract Activity Development

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D. and Subcontractors' Staffs

LOCATION: VBC Office and Subcontractors' Offices

OBJECTIVES: To support the development of concept papers, activity sheets, activity implementation plans to be implemented under the VBC requirements contract.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff and Subcontractors' Staffs

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *ce*

APPROVED:

LEVEL OF EFFORT IN DAYS: 147

BY WHOM: *John H. Oesterlin*

81

\$72,764.00

DATE: *28 Sept 90*

82

TOTAL COST:

\$72,764.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

18,191.00

TOTAL APPROVED

\$90,955.00

Name

John H. Oesterlin

Date

4 Dec 90

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 110

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Sullivan, P.

TITLE OF ACTIVITY: VBC Intern Program

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC Staff, A.I.D. Staff and Interns

LOCATION: VBC Office

OBJECTIVES: Provide support and training for VBC Interns

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 31, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff and Subcontractors' Staffs

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *2*

APPROVED:

BY WHOM:

John H. Austin

LEVEL OF EFFORT IN DAYS: 198

81

\$43,247.00

DATE:

28 Sept 90

82

TOTAL COST:

\$43,247.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

TOTAL APPROVED

10,812.00
\$54,059.00

Name

John H. Austin

Date

9 Dec 90

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 111

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: ID/HRD Specialist

TITLE OF ACTIVITY: Professional Development/Seminars/Outreach

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D., outside seminar speakers and organizations

LOCATION: United States

OBJECTIVES: Provide funds for VBC professional staff attendance at conferences and to support outside presentations at the VBC office.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff
Seminar Speakers

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *de*

APPROVED:		LEVEL OF EFFORT IN DAYS: 49	
BY WHOM:	<i>John H. Hunter</i>	81	\$40,194.00
DATE:	<i>28 Sept 90</i>	82	
		TOTAL COST:	<u>\$40,194.00</u>
Amendment for Period Oct. 1, 1990 - Dec. 31, 1991			<u>10,048.00</u>
		TOTAL APPROVED	<u><u>\$50,242.00</u></u>

Name

John H. Hunter

Date

9 Dec 90

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 112

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Silverman, B.

TITLE OF ACTIVITY: Computer Systems Maintenance

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC and A.I.D. Staff

LOCATION: VBC Office

OBJECTIVES: Maintenance of computer hardware, software and data bases.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *de*

APPROVED:

LEVEL OF EFFORT IN DAYS: 218

BY WHOM:

81

\$81,074.00

DATE:

82

TOTAL COST:

\$ 81,074.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

TOTAL APPROVED

20,269.00\$101,343.00

Name

Date

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 113

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Lennox, R.

TITLE OF ACTIVITY: Senior Advisory Committee (SAC)

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D., Subcontractor's Staffs and SAC members

LOCATION: VBC Office

OBJECTIVES: Organize a committee comprised of Senior Advisors with expertise in areas complementary to VBC II's mandate and to obtain advice from its members through two formal meetings and informal communications.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 31, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support, Advisory

PROPOSED PERSONNEL: VBC Staff
 A.I.D. Staff
 Subcontractors' Staff
 SAC Members

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *dc*

APPROVED:

BY WHOM: <u>John H. Christman</u>	LEVEL OF EFFORT IN DAYS: 50	
DATE: <u>28 Sept 90</u>	81	\$36,808.00
	82	
	TOTAL COST:	\$36,808.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991
 TOTAL APPROVED

- 0 -
\$36,808.00

Name

Date

John H. Christman4 Dec 90

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 114

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Nayeri, E.

TITLE OF ACTIVITY: Information Acquisition/Distribution Proactive

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D., Subcontractors, and Organization Staff Members

LOCATION: VBC Office

OBJECTIVES: This category will include journal subscriptions, inter-library loans, mailings, preparation of information packets and personnel costs.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 31, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *dc*

APPROVED:

BY WHOM:

John H. Austin

LEVEL OF EFFORT IN DAYS: 165

81

\$47,487.00

DATE: *28 Sept 90*

82

TOTAL COST:

\$47,487.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

TOTAL APPROVED

11,872.00\$59,359.00*John H. Austin*4 Dec 90

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 115

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Nayeri, E.

TITLE OF ACTIVITY: Information Acquisition/Distribution Reactive

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D., Subcontractors, and Organization Staff Members

LOCATION: VBC Office

OBJECTIVES: This category will include journal subscriptions, inter-library loans, mailings, preparation of information packets and personnel costs.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 31, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *[Signature]*

APPROVED:	<i>[Signature]</i>	LEVEL OF EFFORT IN DAYS:	165
BY WHOM:	<i>[Signature]</i>	81	\$47,108.00
DATE:	<u>28 Sept 90</u>	82	
		TOTAL COST:	<u>\$47,108.00</u>

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991	<u>11,777.00</u>
TOTAL APPROVED	<u>\$58,885.00</u>

[Signature] 4 Dec 90

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 116

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Lennox, R.

TITLE OF ACTIVITY: Coordination of Harvard Subcontract

ORIGIN OF ACTIVITY: VBC Contract

AUDIENCE: TAC/S&T/H/MSCI

LOCATION: USA

OBJECTIVES: To provide coordination between the VBC project staff and the staff of subcontractor Harvard University. 1) Participation in subcontractor coordination committee meeting. 2) Review of proactive concept papers. 3) Discussions and meetings between activity managers and subcontract coordinator.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff and Tulane Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *de*

APPROVED:

BY WHOM:

John H. Austin

LEVEL OF EFFORT IN DAYS: 174

81
82

\$90,735.00

DATE: 28 Sept 90

TOTAL COST: \$ 90,735.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

TOTAL APPROVED

22,684.00
\$113,419.00*John H. Austin*4 Dec 90

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 117

BUREAU: Central
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT:
 END: September 30, 1991

ACTIVITY MANAGER: Andre, R.

TITLE OF ACTIVITY: Coordination of Jackson Foundation Subcontract

ORIGIN OF ACTIVITY: VBC Contract

AUDIENCE: TAC/S&T/H/MSCI

LOCATION: USA

OBJECTIVES: To provide coordination between the VBC project staff and the staff of subcontractor, Jackson Foundation. 1) Participation in subcontractor coordination committee meeting. 2) Review of proactive concept papers. 3) Discussions and meetings between activity manager and subcontract coordinator.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff and Jackson Foundation Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *dc*

APPROVED:

LEVEL OF EFFORT IN DAYS: 268

BY WHOM: *John H. Austin*

81

\$150,611.00

DATE: *23 Sept 90*

82

TOTAL COST:

\$150,611.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

37,653.00

TOTAL APPROVED

\$188,264.00*John H. Austin**4 Dec 90*

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 118

BUREAU: Central
COUNTRY: United States
DATE: BEGIN: October 1, 1990
FIELD VISIT:
END: September 30, 1991

ACTIVITY MANAGER: Arata, A.

TITLE OF ACTIVITY: Coordination of Tulane University Subcontract

ORIGIN OF ACTIVITY: VBC Contract

AUDIENCE: TAC/S&T/H/MSCI

LOCATION: USA

OBJECTIVES: To provide coordination between the VBC project staff and the staff of subcontractor, Tulane University. 1) Participation in subcontractor coordination committee meetings. 2) Review of proactive concept papers. 3) Discussions and meetings between activity managers and subcontract coordinator.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical and Support

PROPOSED PERSONNEL: VBC Staff and Tulane Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll de

APPROVED:

BY WHOM:

[Signature]

LEVEL OF EFFORT IN DAYS: 211

DATE:

28 Sept 90

81 \$80,253.00
82
TOTAL COST: \$ 80,253.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

TOTAL APPROVED

20,063.00
\$100,316.00

[Signature]

4 Dec 90

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 119

BUREAU: APRE
 COUNTRY: United States
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: None
 END: September 30, 1991

ACTIVITY MANAGER: Arata, A.

TITLE OF ACTIVITY: Liaison with Asia and Private Enterprise Bureau Staff

ORIGIN OF ACTIVITY: A.I.D./S&T/H

AUDIENCE: VBC, A.I.D., and Asia and Near East Bureau Staff

LOCATION: VBC Office/APRE

OBJECTIVES: Keeping Bureau informed of VBC activities and develop plans for action.

SCHEDULE/ACTIVITY PLAN: October 1, 1990 - September 30, 1991

PERSONNEL/SKILLS REQUIRED: Technical, Support

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *de*

APPROVED:

BY WHOM:

John H. Austin

LEVEL OF EFFORT IN DAYS: 22

81

\$ 9,142.00

DATE:

28 Sept 90

82

TOTAL COST:

\$ 9,142.00

Amendment for Period Oct. 1, 1990 - Dec. 31, 1991

TOTAL APPROVED

2,285.00\$11,427.00

Name

John H. Austin

Date

4 Dec 90

4. Mission and Bureau Requests

Responsiveness to Mission and Bureau needs has been and will continue to be a top VBC priority. Higher priority will be given to requests for assistance that will:

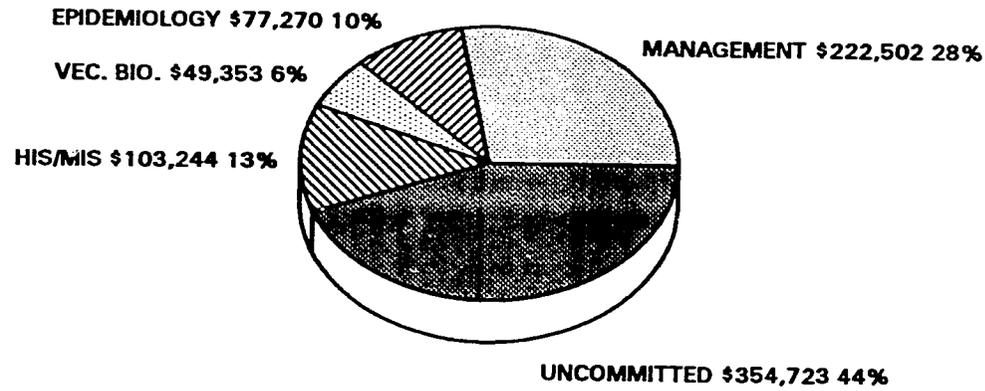
- o Improve the policy framework or strategies of host countries to control vector-borne diseases;
- o Strengthen and make sustainable the management and operations of host-country institutions;
- o Promote intersectoral collaboration, particularly in the areas of finance, environment and agriculture;
- o Improve the sustainability of technical approaches to controlling morbidity.
- o Provide opportunities for communities to participate in improving control; or
- o Increase institutional access to information.

The following requested activities, at an estimated cost of \$453,000, will be supported entirely by VBC core funds. VBC has reserved \$354,000 for future Mission and Bureau requests.

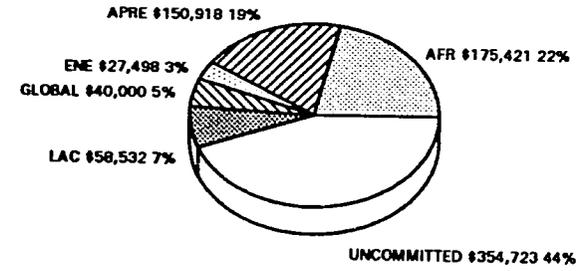
Mission and Bureau Requests Budget

Code #	Title	Budget \$
086	Testing Efficacy of <i>Bti</i>	14,353
120	Epidemiological Assessment of Insecticide Selection	27,498
121	Bolivia: Chagas's Disease Control Project	34,179
122	AFR: Final Impact Evaluation of Rural Water-Borne Disease Project	25,163
124	El Salvador: Integration Malaria and GHS	10,000
130	Nepal: Forest and Village Transmission of Malaria	35,000
131	Sri Lanka: VBDC Needs Assessment	28,160
132	Kenya: Strengthening Malaria Control Strategy	40,000
135	Review of A.I.D./TDR Relationship	40,000
136	Nepal: Transmission and Control of Leishmaniasis	49,772
137	Zimbabwe: Training in the Use of Computers	27,272
143	Zimbabwe: Strengthening VBD Control Capabilities	45,000
145	Swaziland: Malaria Information Sytem	37,986
149	Nepal: HIS/MIS for VBC Control	37,986
	Subtotal	452,369
	Available for Mission and Bureau Requests for Assistance	354,723
	Total Request Budget	807,092

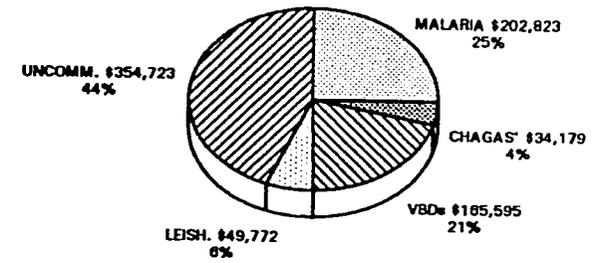
1991 REQUESTED ACTIVITIES BY SECTOR



1991 REQUESTED ACTIVITIES BY REGION



1991 REQUESTED ACTIVITIES BY DISEASE



VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 086

BUREAU: LAC
 COUNTRY: Honduras
 DATE: BEGIN: Oct 1, 1990
 FIELD VISIT: Nov 19 - Dec 15, 1990
 END: Feb 28, 1991

ACTIVITY MANAGER: Arata/Andre

TITLE OF ACTIVITY: Testing Efficacy of Bti in Malaria Endemic Zone

ORIGIN OF ACTIVITY: USAID/Tegucigalpa

AUDIENCE: USAID/Tegucigalpa, GOH, MOH

LOCATION: Honduras

OBJECTIVES: To evaluate the impact of mosquito control with a biological control agent (Bti) on epidemiological malaria indicators.

SCHEDULE/ACTIVITY PLAN: 1) Briefing at VBC November 19, 1990; 2) Field trials (Honduras) November 20 - December 14, 1990; and 3) Debriefing to be arranged.

Note: This activity is being conducted simultaneously with trial of Harvard's microencapsulated Bti product. Briefing (and later debriefing) of Dr. Eli Zomer should be arranged at same time. Also, their travel is to coincide.

PERSONNEL/SKILLS REQUIRED: Medical Entomologist; Spanish speaking; experience with Bti application and evaluation; prior experience in Latin America.

PROPOSED PERSONNEL: Dr. Edward D. Walker

FOLLOW-UP ACTIVITIES: To be determined.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 31

BY WHOM: _____	81	\$14,353.00
	82	
DATE: _____	TOTAL COST:	\$14,353.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 120

BUREAU: ANE
 COUNTRY: Pakistan
 DATE: BEGIN: Oct 15, 1990
 FIELD VISIT: Oct-Nov
 END: Dec 31, 1990

ACTIVITY MANAGER: Arata/Andre

TITLE OF ACTIVITY: Epidemiological Assessment to Assist Insecticide Selection

ORIGIN OF ACTIVITY: USAID/Islamabad

AUDIENCE: USAID/Islamabad; ANE; DOMC/GOP

LOCATION: Pakistan

OBJECTIVES: To investigate regional reports of insecticide resistance of malaria vector mosquitoes, compare epidemiological and entomological data and prepare a report that will assist the mission and GOP make an informed decision on insecticide selection and purchase.

SCHEDULE/ACTIVITY PLAN: a) Visit by Arata, Andre and Carroll to Pakistan in late September 1990; b) Phone request by Rifaq (USAID/Islamabad) to organize one-month TA received October 12, 1990; c) Consultant tentatively scheduled for briefing 29 October at VBC; d) Field visit October 30 - November 29, 1990.

PERSONNEL/SKILLS REQUIRED: Malariologist, epidemiologist; experience with USAID programs and USAID procedures in ANE countries.

PROPOSED PERSONNEL: Dr. Allan Lewis

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 35

BY WHOM: _____	81	\$27,498.00
DATE: _____	82	
	TOTAL COST:	\$27,498.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 121

BUREAU: LAC
 COUNTRY: Bolivia
 DATE: BEGIN: Oct 1, 1990
 FIELD VISIT: To be scheduled
 END: Sept 30, 1991

ACTIVITY MANAGER: Arata/Lennox

TITLE OF ACTIVITY: Bolivia/Chagas' disease control project

ORIGIN OF ACTIVITY: USAID/LaPaz

AUDIENCE: USAID/LaPaz, MOH/GOB, LAC/W, S&T/H

LOCATION: Bolivia

OBJECTIVES: To conduct a preplanning workshop for the design of a USAID-sponsored community based Chagas' Disease Control Project.

SCHEDULE/ACTIVITY PLAN: 1) Visit CDC, Atlanta, October 25-26 to coordinate with CDC component of proposed project. 2) Attend TPM October 29-30 at VBC with USAID/LaPaz TACS. 3) Assist in organization, implementation of planning meeting in LaPaz and prepare necessary report documents following meeting.

PERSONNEL/SKILLS REQUIRED: At least 5 years experience in organizing and operating Chagas' disease control programs: Spanish speaking.

PROPOSED PERSONNEL: Dr. Robert Tonn

FOLLOW-UP ACTIVITIES: To be determined as project develops; subject to subsequent activity sheets.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 57

BY WHOM: _____	81	\$34,179.00
	82	
DATE: _____	TOTAL COST:	<u>\$34,179.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 122

BUREAU: AFR
 COUNTRY: Swaziland
 DATE: BEGIN: Nov 8, 1990 (T)
 FIELD VISIT: Nov 11-29, 1990
 END: Dec 31, 1990

ACTIVITY MANAGER: Sullivan/Andre

TITLE OF ACTIVITY: Final Impact Evaluation of Rural Water-Borne Disease Control Project in Swaziland

ORIGIN OF ACTIVITY: USAID/Mbabane request (reftel 04124)

AUDIENCE: Mission, Redso/ESA, AFR Bureau, AID/W.

LOCATION: Swaziland

OBJECTIVES: To participate with WASH in team effort to assess impact of project in areas of water/sanitation sectors, health education and community participation.

SCHEDULE/ACTIVITY PLAN: Schedule of activities include a two-day team planning meeting, a three-week field assignment, and a one-day debriefing in Washington.

PERSONNEL/SKILLS REQUIRED: Community development specialist

PROPOSED PERSONNEL: James Sonnemann, M.D.

FOLLOW-UP ACTIVITIES: None

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 33

BY WHOM: _____	81	\$25,163.00
	82	
DATE: _____	TOTAL COST:	<u>\$25,163.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 124

BUREAU: LAC
 COUNTRY: El Salvador
 DATE: BEGIN: Feb 1, 1991
 FIELD VISIT: Feb or March 1991
 END: April 31, 1991

ACTIVITY MANAGER: Arata/ID-HRD Staff

TITLE OF ACTIVITY: Integration malaria - GHS/El Salvador

ORIGIN OF ACTIVITY: USAID/San Salvador

AUDIENCE: USAID/San Salvador, MOH

LOCATION: El Salvador

OBJECTIVES: To review the existing malaria control structure in El Salvador and to explore the issues to be raised in planning integration with the GHS. The mission has requested assistance but not specified the nature of TA. VBC proposes to send consultant to review key issues, initiate dialogue between GHS and malaria control personnel. Subsequent TA to plan and monitor process of integration will be discussed with mission as a possible buy-in.

SCHEDULE/ACTIVITY PLAN: a) Two-week visit by Dr. Ayalde in February or March 1991. b) Second phase to be determined by mission.

PERSONNEL/SKILLS REQUIRED: Malariologist familiar with integration of services; Spanish speaking

PROPOSED PERSONNEL: Dr. Jaime Ayalde

FOLLOW-UP ACTIVITIES: See above (Objectives)

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 15

BY WHOM: _____ 81 \$10,000.00

DATE: _____ 82
 TOTAL COST: \$10,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 130

BUREAU: APRE
 COUNTRY: Nepal
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT: Apr 1-21, 1991, 1992;
 July 1-21, 1991, 1992;
 Nov 1-21, 1991, 1992
 END: Dec 31, 1992

ACTIVITY MANAGER: Andre/Sullivan

TITLE OF ACTIVITY: Forest and village transmission of malaria in Nepal

ORIGIN OF ACTIVITY: Proactive (VBC)

AUDIENCE: USAID/KATHMANDU; NMEC - NEPAL

LOCATION: Sindhuli District, Nepal

OBJECTIVES: To compare the epidemiology and significance of malaria transmission in a forested situation versus a village a village situation in the inner terai of Nepal. To recommend to the NMEC and USAID/Kathmandu a malaria control strategy for the inner terai.

SCHEDULE/ACTIVITY PLAN: Entomological and epidemiological surveys of Sindhuli District to be made over a 3-week period of time during April, July, and November in both 1991 and 1992.

PERSONNEL/SKILLS REQUIRED: Medical epidemiologist, Medical entomologist

PROPOSED PERSONNEL: Dr. Peggy Sullivan; Dr. Bill Reisen

FOLLOW-UP ACTIVITIES: Improved stratification plan for malaria control in Nepal to be produced.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$35,000.00
	82	
DATE: _____	TOTAL COST:	\$35,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 131

BUREAU: APRE
 COUNTRY: Sri Lanka
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT: April 5-25, 1991
 END: May 30, 1991

ACTIVITY MANAGER: Andre/Arata

TITLE OF ACTIVITY: VBCD needs assessment in Sri Lanka

ORIGIN OF ACTIVITY: USAID/Columbo

AUDIENCE: S&T/H; USAID/COLOMBO; MOH - SRI LANKA

LOCATION: Sri Lanka

OBJECTIVES: To assess the needs and capabilities of the MOH to expand their malaria control division to an integrated vector-borne disease control unit.

SCHEDULE/ACTIVITY PLAN: Three-week field trip in Sri Lanka beginning April 5, 1991.

PERSONNEL/SKILLS REQUIRED: Medical epidemiologist, Medical entomologist

PROPOSED PERSONNEL: TBD; Dr. Richard Andre

FOLLOW-UP ACTIVITIES: Develop an overall strategy with the MOH in Sri Lanka to control/prevent VBDs.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$28,160.00
DATE: _____	82	
	TOTAL COST:	<u>\$28,160.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 132

BUREAU: AFR
 COUNTRY: Kenya
 DATE: BEGIN: Dec 15, 1990
 FIELD VISIT: Mar 1 - May 31
 END: June 30, 1991

ACTIVITY MANAGER: Sullivan/Andre

TITLE OF ACTIVITY: Strengthening of Kenya Malaria Control Strategy

ORIGIN OF ACTIVITY: USAID/Nairobi/VBC Needs Assessment

AUDIENCE: USAID/Nairobi/GOS/MOH

LOCATION: Kenya

OBJECTIVES: To assist the Kenya MOH in assessing the effectiveness of its current malaria control efforts and to develop a more comprehensive and sustainable national control strategy.

SCHEDULE/ACTIVITY PLAN: 1) Conduct team planning meeting; 2) Review current control strategy; 3) Conduct site visits; 4) Coordinate strategy development workshop; and 5) Prepare final report.

PERSONNEL/SKILLS REQUIRED: 1) Epidemiologists/Malariologist (through CDC); and 2) Vector Control/Program Specialist

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES: ID/HRD

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 40

BY WHOM: _____	81	\$40,000.00
	82	
DATE: _____	TOTAL COST:	<u>\$40,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 136

BUREAU: APRE
 COUNTRY: Nepal
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT: May 1-30, 1991;
 July 15 - Aug 15, 1991
 END: Sept 30, 1991

ACTIVITY MANAGER: Andre/Sullivan

TITLE OF ACTIVITY: Transmission and control of Leishmaniasis in Nepal

ORIGIN OF ACTIVITY: USAID/Kathmandu & NMEO

AUDIENCE: USAID/KATHMANDU; NMEO - NEPAL; MOH - NEPAL

LOCATION: Central and Eastern Outer Terai of Nepal

OBJECTIVES: To train NMEO staff in the identification of sand flies. To determine the epidemiology of leishmaniasis in Nepal. To recommend control measures to be used by the NMEO to reduce the number of leishmaniasis cases in Nepal.

SCHEDULE/ACTIVITY PLAN: Select study sites in the Outer Terai and begin training NMEO staff in the identification of vector sand flies. Spend 4 weeks in the dry season (May) and 4 weeks in the wet season (July/August) collecting, identifying, and dissecting sand flies in endemic study villages.

PERSONNEL/SKILLS REQUIRED: Medical entomologist

PROPOSED PERSONNEL: Dr. Phil Lawyer

FOLLOW-UP ACTIVITIES: Development of a country strategy to control leishmaniasis.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$49,772.00
	82	
DATE: _____	TOTAL COST:	\$49,772.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 137

BUREAU: AFR
 COUNTRY: Zimbabwe
 DATE: BEGIN: June 1, 1991
 FIELD VISIT: June 15, 1991
 END: Aug 30, 1991

ACTIVITY MANAGER: Silverman

TITLE OF ACTIVITY: Zimbabwe: Training in the Use of Computers for Vector-Borne Disease Control Research

ORIGIN OF ACTIVITY: USAID/Harare

AUDIENCE: USAID/Harare, Ministry of Health, GOS and Blair Research Laboratory

LOCATION: Zimbabwe

OBJECTIVES: To increase the capabilities of the staff of the Blair Research Laboratory to use computers to analyze data.

SCHEDULE/ACTIVITY PLAN: Three week training course in the use of databases, spreadsheets, statistical software and word processing.

PERSONNEL/SKILLS REQUIRED: HIS/MIS Specialist and Operations Research Specialist

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 30

BY WHOM: _____	81	\$27,272.00
	82	
DATE: _____	TOTAL COST:	<u>\$27,272.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 143

BUREAU: AFR
 COUNTRY: Zimbabwe
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT: TBD
 END: Dec 31, 1991

ACTIVITY MANAGER: Sullivan/Andre

TITLE OF ACTIVITY: Strengthening of VBD Control Capabilities in Zimbabwe, Phase I

ORIGIN OF ACTIVITY: USAID/Harare

AUDIENCE: USAID/Harare, MOH, Blair Research Laboratories (BRL)

LOCATION: Zimbabwe

OBJECTIVES: To assist the MOH in developing a plan for strengthening its vector-borne disease control capabilities and integrating the efforts of the BRL into the national control strategy.

SCHEDULE/ACTIVITY PLAN: 1. To obtain concurrence with alternate technical assistance plan of action from USAID/Harare. 2. To provide a team of consultants to work with the MOH and BRL in assessing needs and developing plan of action.

PERSONNEL/SKILLS REQUIRED: 1. Vector biologist; 2. Institutional Development Specialist; and 3. Epidemiologist.

PROPOSED PERSONNEL: To be determined

FOLLOW-UP ACTIVITIES: Subsequent phases to be determined that will lead to the strengthening of BRL as a regional training center.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$45,000.00
DATE: _____	82	
	TOTAL COST:	<u>\$45,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 145

BUREAU: AFR
 COUNTRY: Swaziland
 DATE: BEGIN: Jan 15, 1991
 FIELD VISIT: Feb 1, 1991
 END: April 30, 1991

ACTIVITY MANAGER: Silverman

TITLE OF ACTIVITY: Swaziland: Malaria Information System

ORIGIN OF ACTIVITY: USAID/Mbabane, Follow-up to 81142

AUDIENCE: USAID/Mbabane, Ministry of Health GOS

LOCATION: Swaziland

OBJECTIVES: 1) To install computer equipment at the Malaria Control unit of the MOH; 2) To train in the use of hardware and software; and 3) To begin development of a malaria information system.

SCHEDULE/ACTIVITY PLAN: 1) Bring in equipment; 2) Load all software and prepare machine for the Malaria Control Unit; 3) Train Malaria Control Unit staff in the use of hardware and software; and 4) Begin design of database for malaria information system.

PERSONNEL/SKILLS REQUIRED: MIS/HIS Specialist, Malariologist, Facilitator, VBC Staff

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES: Further development of information system.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 52

BY WHOM: _____	81	\$37,986.00
DATE: _____	82	
	TOTAL COST:	<u>\$37,986.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 149

BUREAU: APRE
 COUNTRY: Nepal
 DATE: BEGIN: March 1, 1991
 FIELD VISIT: April 1, 1991
 END: May 30, 1991

ACTIVITY MANAGER: Silverman

TITLE OF ACTIVITY: Nepal: HIS/MIS for VBD Control

ORIGIN OF ACTIVITY: USAID/Kathmandu and AR-134-5

AUDIENCE: USAID/Kathmandu, Ministry of Health GON

LOCATION: Nepal

OBJECTIVES: Continue development of MIS/HIS for the control of VBDs.

SCHEDULE/ACTIVITY PLAN: 1) Review current information system in light of recent formation of Vector-borne Disease Division in the MOH; 2) Revise databases to reflect changes which have occurred following formation of the Division of VBDC; 3) Design and propose training plan; 4) Identify local programmers to complete epidemiology and entomology applications; and 5) Determine the feasibility of expanding information system into additional regions. If feasible, specify required hardware, software and training requirements.

PERSONNEL/SKILLS REQUIRED: MIS/HIS Specialist, Epidemiologist, TPM Facilitator

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES: Expansion of system into all districts.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 52

BY WHOM: _____	81	\$37,986.00
DATE: _____	82	
	TOTAL COST:	<u>\$37,986.00</u>

5. Proactive Activities

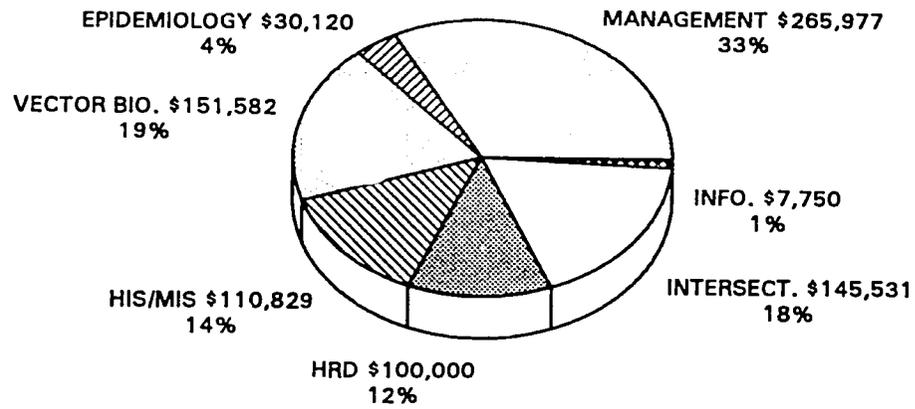
Proactivity is the mechanism by which VBC core staff and sub-contractors act to identify and serve unmet needs and to test the applicability of promising new technologies and methods. In past years, VBC has used its proactive mandate to examine such issues as the economic feasibility of bed nets, the effectiveness of insecticide-based paints and the practicality of potential new control strategies. Even in responding to Mission and Bureau requests, proactivity is used to improve scopes of work through collaborative planning.

In 1991, VBC will initiate 21 new proactive activities that explore areas such as reducing environmental impact of control efforts, developing more rapid diagnostics, and improving linkages between disease control and agriculture. The estimated budget for proactive activities is \$812,000.

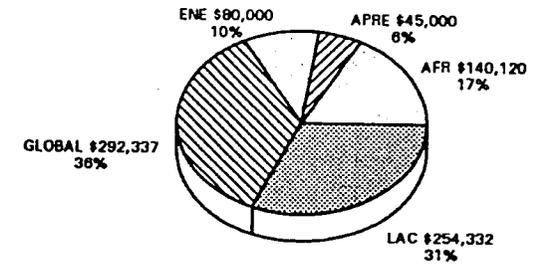
Proactive Budget

Code #	Title	Budget
062	AFR: VBD Situational Analysis Phase I	30,120
095	Honduras: Field Trial of Micro. Encap. <i>Bti</i>	26,145
096	Honduras: Synthetic Peptide Malaria Diagnosis	29,023
097	Use of Cyclops to Control Aedes/Dengue	96,414
123	Regional Workshops: VBDs and Agriculture	50,000
125	Honduras: Publication of Dengue Contingency Plan	7,750
126	LAC: Central American Programs	50,000
127	APRE: Ricefield Vector Project	45,000
128	LAC: GIS for Dengue/Central America	45,000
129	Malaria Coordination Group: Sectors	10,338
133	Urbanization and Vector-Borne Diseases	40,193
134	Workshop for Developing Criteria for Model MIS	50,000
138	Cameroon: Guinea Worm Elimination, Phase 2	65,000
139	Training Module in Malaria Prevention	60,000
140	Impact of Sociocultural and Economic Factors	30,000
141	Participation in Second Regional Guinea Worm Workshop	5,000
142	Model VBDC Database	15,829
144	Workshop on Mechanisms for Financing VBD Control	45,977
146	Policy Constraints to VBD Control	30,000
147	Development of VBD Training Needs Assessment	40,000
148	Impact of Community Health Services on Malaria	40,000
Total Proactive Budget		811,789

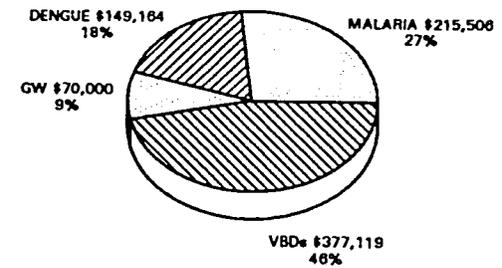
1991 PROACTIVITY BY SECTOR



1991 PROACTIVITY BY REGION



1991 PROACTIVITY BY DISEASE



VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 62

BUREAU: Afr
 COUNTRY: Region-wide
 DATE: BEGIN: Nov 13, 1990
 FIELD VISIT: N/P
 END: Feb 28, 1991

ACTIVITY MANAGER: Sullivan/Arata

TITLE OF ACTIVITY: Africa VBD situational Analysis, Phase I

ORIGIN OF ACTIVITY: VBC Proactive

AUDIENCE: VBC, S&T/H, Missions, World Bank, CDC, WHO, PVOs

LOCATION: Washington

OBJECTIVES: To initiate the continuous computerized collection of epidemiologic data that describe prevalent VBDs in sub-Saharan countries.

SCHEDULE/ACTIVITY PLAN: 1) Develop a plan of action that identifies variables to be included in the data base, manpower needs for initial establishment and continuous maintenance and utilization of the data base.

PERSONNEL/SKILLS REQUIRED: Information Specialist w/computer skills and Epidemiologist

PROPOSED PERSONNEL: 1. Mary Ettlign, Consultant
 2. Barbara Guynn, VBC Research Assistant

FOLLOW-UP ACTIVITIES: Ongoing following Phase I establishment

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 20

BY WHOM: _____	81	\$30,120.00
	82	
DATE: _____	TOTAL COST:	<u>\$30,120.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 095
AWP - No. 6BUREAU: LAC
COUNTRY: Honduras
DATE: BEGIN: Oct 1, 1990
FIELD VISIT: Oct 29 - Nov 30, 1990 (T)
END: Feb 28, 1991

ACTIVITY MANAGER: Arata/Andre

TITLE OF ACTIVITY: Field Trial of Micro-Encapsulated Bti
Formulation for Control of Malaria Vectors.

ORIGIN OF ACTIVITY: Harvard Sub-Contract Concept Paper

AUDIENCE: USAID/Tegucigulpa; MOH/GOH; LAC and other regions with
malaria control problems.

LOCATION: Honduras

OBJECTIVES: To field test a microencapsulated Bti formulation
(produced by Harvard) to determine the period of anopheline control
obtained - in contrast to the commercially available formulations
now in use.SCHEDULE/ACTIVITY PLAN: USAID/Tegucigulpa has provided a PIO/T for
TA to conduct entomological-epidemiological trials with commercial
formulations of Bti in October - November 1990. This work will be
done at the same time in the same region under the general
supervision of Dr. Edward Walker (VBC Consultant) who is carrying
out the third stage of VBC work on Bti in Honduras.PERSONNEL/SKILLS REQUIRED: Vector biologist; experience with Latin
American program; Spanish speaking.

PROPOSED PERSONNEL: Elie Zomer

FOLLOW-UP ACTIVITIES: To be determined.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 24

BY WHOM: _____	81	\$26,145.00
	82	
DATE: _____	TOTAL COST:	<u>\$26,145.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 096

BUREAU: LAC
 COUNTRY: Honduras
 DATE: BEGIN: Oct 1, 1990
 FIELD VISIT: To be scheduled
 END: Feb 28, 1991

ACTIVITY MANAGER: Arata/Andre

TITLE OF ACTIVITY: Synthetic Peptide Malaria Diagnosis

ORIGIN OF ACTIVITY: Tulane sub-contract concept paper

AUDIENCE: Missions/MOH for USAID supported malaria programs

LOCATION: Honduras

OBJECTIVES: To test a recently-developed synthetic peptide as a malaria diagnostic tool: the specific methodology, developed by Dr. James will be tested in trials with conventional microscopic diagnosis in endemic areas of Honduras. These trials are preliminary to the further development of the technique as a field diagnosis kit.

SCHEDULE/ACTIVITY PLAN: 1) Dr. James has prepared the required reagents. 2) Dr. Terrell (USAID/Tegucigulpa) has been informed and the details of the project has been submitted to the mission. 3) Field trial date has not been scheduled, but Dr. James is prepared to carry out the trials in November 1990. 4) Report to be available by mid-January, 1991.

PERSONNEL/SKILLS REQUIRED: Immunologist experienced with malaria; familiarity with field operations in malaria control; Spanish speaking.

PROPOSED PERSONNEL: Dr. Marc James, Dept. Tropical Medicine, Tulane

FOLLOW-UP ACTIVITIES: Development of field diagnostic kit.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 32

BY WHOM: _____	81	\$29,023.00
DATE: _____	82	
	TOTAL COST:	\$29,023.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 097

BUREAU: LAC
 COUNTRY: Honduras
 DATE: BEGIN: Oct 1, 1990
 FIELD VISIT: Several
 END: Sept 30, 1991

ACTIVITY MANAGER: Arata/Andre

TITLE OF ACTIVITY: Use of Cyclops to control Aedes/Dengue

ORIGIN OF ACTIVITY: Tulane subcontract concept paper

AUDIENCE: Missions and MOH in dengue endemic areas

LOCATION: Progreso, Honduras

OBJECTIVES: To test the efficacy of the predaceous copepod (Cyclops spp.) to control Aedes aegypti under field conditions in a dengue endemic area of Honduras: organize and conduct a two-day start-up workshop involving Tulane, Johns Hopkins University, S&T/H and LAC.

SCHEDULE/ACTIVITY PLAN: Dr. Marten (P.I.) has already established a relationship with the Johns Hopkins University/Rockefeller Foundation team working in Progreso, Honduras. The work (throughout FYII) will involve several visits and several long periods of residency at the laboratory established in Progreso.

VBC investment in this work is estimated at 33% of total cost: JHU/RF will be covering approximately 50%; the USAID mission in Tegucigulpa is considering covering certain local costs: NOMCB is funding base operations for backup in New Orleans.

PERSONNEL/SKILLS REQUIRED: 1) Ecologist, biocontrol specialist; experience in Latin America, Spanish speaking. 2) Technician, experience in biocontrol, rearing of predators, etc.

PROPOSED PERSONNEL: 1) Dr. Gerald Marten 2) Technician - to be hired through subcontract. (See attached)

FOLLOW-UP ACTIVITIES: Possible expansion to other areas of Central America and Caribbean areas endemic for dengue.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 357

BY WHOM: _____ 81 \$96,414.00

DATE: _____ TOTAL COST: \$96,414.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 123

BUREAU: Global -
coordination with
WHO
COUNTRY: Workshops in Egypt &
Malaysia
DATE: BEGIN: Jan 1991
FIELD VISIT: March & Oct 1991
END: Dec 31, 1991

ACTIVITY MANAGER: Arata/Andre

TITLE OF ACTIVITY: Regional workshops/Vector Borne Diseases and
Agricultural

ORIGIN OF ACTIVITY: VBC Proactive - Collaboration with PEEM/WHO

AUDIENCE: Global

LOCATION: Workshops in Alexandria (Egypt) and Kuala Lumpur
(Malaysia)

OBJECTIVES: As part of collaborative efforts with PEEM
(WHO/FAO/UNEP), VBC will assist in organization of two regional
workshops to develop coordination between public health and
agricultural authorities. A major feature will be to initiate
vector control practices at the community level through existing
agricultural extension services.

SCHEDULE/ACTIVITY PLAN: a) Two regional workshops have been
planned: Alexandria, Egypt - February 24-28, 1991 and Kuala
Lumpur, Malaysia - September 1991. b) VBC has agreed to fund
participants from suitable countries to a level of \$12,500/workshop
plus attendance of one VBC staff member/workshop.

PERSONNEL/SKILLS REQUIRED: 1) VBC staff concerned with
intersectoral activities. 2) National participants who can
present background papers pertinent to workshop topics - to be
selected in consultation with PEEM.

PROPOSED PERSONNEL: 1) Drs. A. Arata and R. Andre 2) TBD

FOLLOW-UP ACTIVITIES: Report - regional dissemination: follow-up
with PEEM to be determined.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 20

BY WHOM: _____	81	\$50,000.00
	82	
DATE: _____	TOTAL COST:	<u>\$50,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 125

BUREAU: LAC
 COUNTRY: Honduras
 DATE: BEGIN: Dec 1990
 FIELD VISIT:
 END: June 30, 1991

ACTIVITY MANAGER: Henry/Arata

TITLE OF ACTIVITY: Publication of Dengue Contingency Plan

ORIGIN OF ACTIVITY: VBC Proactive

AUDIENCE: Latin American Missions and MOHs

LOCATION: Honduras

OBJECTIVES: To increase awareness of LAC countries about the threat of Dengue and Dengue Hemorrhagic Fever and provide a potential model for developing a national contingency plan.

SCHEDULE/ACTIVITY PLAN: Contact with MOH/Honduras and Revista Medica Hondureña

PERSONNEL/SKILLS REQUIRED: Editing, typing, technical review of revisions

PROPOSED PERSONNEL: Andrew Arata, K. Henry, J. McIlwee

FOLLOW-UP ACTIVITIES: Distribution TBD

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 12

BY WHOM: _____	81	\$ 7,750.00
DATE: _____	82	
	TOTAL COST:	<u>\$ 7,750.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 126

BUREAU: LAC
 COUNTRY: Subregional/Central
 America
 DATE: BEGIN: March 1991
 FIELD VISIT: TBD
 END: Oct 31, 1991

ACTIVITY MANAGER: Arata/Andre

TITLE OF ACTIVITY: Central American Programs

ORIGIN OF ACTIVITY: VBC Proactive

AUDIENCE: LAC; USAIDs/Central America

LOCATION: Washington and Central America

OBJECTIVES: To review and evaluate structure and expenditures in malaria control (1980-1990) in Central America; to analyze successful elements of various national programs and establish mechanisms for joint operational research, information exchange and regional collaboration.

SCHEDULE/ACTIVITY PLAN: a) Three-day workshop at VBC (March 1991); b) Fact-finding trips (4) to evaluate successful elements of programs (April - June 1991); c) Workshop in Central America attended by USAID personnel and national malaria control personnel (August 1991); and d) Preparation and dissemination of report.

PERSONNEL/SKILLS REQUIRED: 1) VBC Staff; 2) Economist - familiar with malaria control operations; 3) Medical entomologist familiar with Latin America control programs; 4) Management specialist; 5) PAHO - observer; and other to be named.

PROPOSED PERSONNEL: Arata, Andre, ID/HRD Staff (VBC); S. Breeland; Susan Mills (economist; national and USAIDs (to be invited).

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 20

BY WHOM: _____	81	\$50,000.00
DATE: _____	82	
	TOTAL COST:	\$50,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 127

BUREAU: APRE
 COUNTRY: Philippines
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT: TBD
 END: Dec 31, 1991

ACTIVITY MANAGER: Arata/Andre

TITLE OF ACTIVITY: Ricefield Vector Project (WHO/PEEM/IRRI)

ORIGIN OF ACTIVITY: VBC Proactive - Collaboration with WHO

AUDIENCE: Global (Based in APRE)

LOCATION: Philippines (and other SE Asian countries)

OBJECTIVES: To work with WHO/PEEM and IRRI to establish a program (based at IRRI) to study interrelations of rice culture to vectors of malaria, JE, schistosomiasis, etc. Overall objective is to determine how agricultural practices can be integrated with vector control.

SCHEDULE/ACTIVITY PLAN: Consultant selected by PEEM, and agreed upon by VBC, is to be based for three (3) months (March - May 1991) at IRRI to develop multi-year programs. VBC would provide partial costs. Report to be evaluated at PEEM meeting (VBC participation - September 1991).

PERSONNEL/SKILLS REQUIRED: VBC staff involved with intersectoral collaboration

PROPOSED PERSONNEL: a) Principle consultant TBN by PEEM b) Andre, Arata, ID/HRD VBC Staff

FOLLOW-UP ACTIVITIES: TBD when consultant prepares multi-year program report.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 75

BY WHOM: _____	81	\$45,000.00
DATE: _____	82	
	TOTAL COST:	\$45,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 128

BUREAU: LAC
 COUNTRY: TBD - Latin America
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT: TBD
 END: Dec 31 (year one of
 two year project)

ACTIVITY MANAGER: ANDRE/Arata

TITLE OF ACTIVITY: GIS for Dengue/Central America

ORIGIN OF ACTIVITY: Jackson Foundation Concept Paper

AUDIENCE: Initially Central American USAIDs and MOHs - later to be global

LOCATION: TBD

OBJECTIVES: To demonstrate the utility of GIS in organizing and implementing vector control resources: the initial phase will be implemented where available data and a suitable dengue control program exists. Subsequent phases would extend to other endemic urban areas of the Americas, and possibly to malaria control programs.

SCHEDULE/ACTIVITY PLAN: (Year One) 1) Initial visit (January 1991) of Dr. Roberts for coordination with PAHO and MOH. 2) Workshop (February 1991 at USUHS) to demonstrate GIS and coordinate with PAHO/W and CDC/San Juan, Puerto Rico. 3) Establishment of GIS, local training and local data entry (March - June, 1991). 4) Initial evaluation of GIS in field and utility in national dengue control program.

PERSONNEL/SKILLS REQUIRED: Medical entomologist, experienced with GIS and dengue control in Latin America.

PROPOSED PERSONNEL: 1) Dr. Donald Roberts (USUHS); 2) Technician (USUHS); 3) Technician (host country national); and 4) Coordination: Dr. Betsy Dutary - PAHO: Dr. M. Nelson

FOLLOW-UP ACTIVITIES: As separate activities, GIS will be applied to dengue surveillance control in other countries and possibly to malaria endemic zones.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 40

BY WHOM: _____	81	\$45,000.00
DATE: _____	82	
	TOTAL COST:	\$45,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 129

BUREAU: Global
 COUNTRY: United States
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT:
 END: Sept 1, 1994

ACTIVITY MANAGER: Andre\Arata

TITLE OF ACTIVITY: Malaria Coordination Group: Sectors

ORIGIN OF ACTIVITY: VBC Proactive

AUDIENCE: Sectors of A.I.D., Bureaus

LOCATION: Washington, D. C.

OBJECTIVES: 1) To set up coordination for future activities; 2) To plan and conduct a workshop; 3) To meet with each sector once each year just before annual planning; 4) To put out an annual newsletter; 5) To plan and conduct a workshop in Year 4 to evaluate success of collaboration.

SCHEDULE/ACTIVITY PLAN: Year 1: initial coordination with sectors; plan for workshop; conduct a workshop to establish roles of each sector and future collaboration; meet with each sector before annual plans are set. Years 2-4: Meet with each sector before annual plans are set; put out an annual newsletter. Year 4: plan for workshop; conduct a workshop to evaluate success of collaboration.

PERSONNEL/SKILLS REQUIRED: VBC Staff; S&T Staff; Sector Heads from the following A.I.D. sectors: Water Supply; Agriculture; Health; Population; Education; Forestry; Nutrition; Housing; Health Services; Health Financing; Economics

PROPOSED PERSONNEL: VBC Staff; S&T/Staff; A.I.D. Sector Heads

FOLLOW-UP ACTIVITIES: Future collaboration on vector-borne disease control activities within other sectors of A.I.D.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 15

BY WHOM: _____	81	\$10,338.00
DATE: _____	82	
	TOTAL COST:	<u>\$10,338.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 133

BUREAU: Global

COUNTRY:

DATE: BEGIN: Jan 1, 1991

FIELD VISIT: None

END: Sept 30, 1991

ACTIVITY MANAGER: Andre/Nayeri

TITLE OF ACTIVITY: Urbanization and Vector-borne Diseases

ORIGIN OF ACTIVITY: VBC Proactive

AUDIENCE: Regional Bureaus, Missions, S&T/H, Health Care Professionals, Donor Agencies

LOCATION: VBC and location of demographer (TBD)

OBJECTIVES: Conduct a comprehensive literature review and prepare a background strategy paper on the association of increasing urbanization and the occurrence of VBD and control in this situation.

SCHEDULE/ACTIVITY PLAN: 1) Collection of Literature: complete 50% by March 1, 91; complete 100% by June 1, 1991; 2) Literature analysis: complete 50% by March 31, 1991; complete 100% by July 31, 1991; 3) Publication: complete by 30 September 1991.

PERSONNEL/SKILLS REQUIRED: 1) Vector-borne Disease Specialist (1); 2) Demographer (1); 3) Literature Technician (1); 4) Information Specialist (1)

PROPOSED PERSONNEL: 1) Richard Andre, VBCII; 2) Demographer (TBD); 3) Literature Technician (TBD); 4) Ellen Nayeri, VBCII

FOLLOW-UP ACTIVITIES: Publication, dissemination: the document should provide a background and strategy for the planning of VBDC in the rapidly growing urban environment.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 202

BY WHOM: _____ 81 \$40,193.00

82

DATE: _____ TOTAL COST: \$40,193.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 134

BUREAU: LAC
 COUNTRY: United States
 DATE: BEGIN: March 1, 1991
 FIELD VISIT:
 END: April 15, 1991

ACTIVITY MANAGER: Silverman

TITLE OF ACTIVITY: Workshop for developing the criteria and specifications of a model MIS for VBDC.

ORIGIN OF ACTIVITY: VBC Proactive

AUDIENCE: USAID Missions/MOHs

LOCATION: VBC Offices

OBJECTIVES: To develop specifications for a prototype MIS.

SCHEDULE/ACTIVITY PLAN: 1) Plan workshop; 2) Hold two (2) week workshop; 3) Prepare document summarizing workshop.

PERSONNEL/SKILLS REQUIRED: Managers of VBDC programs and Ministers.

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES: Develop prototype database.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 84

BY WHOM: _____	81	\$50,000.00
	82	
DATE: _____	TOTAL COST:	<u>\$50,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 138

BUREAU: AFR
 COUNTRY: Cameroon
 DATE: BEGIN: March 15, 1991
 FIELD VISIT: Apr 1-July 30, 1991
 END: Sept 1, 1991

ACTIVITY MANAGER: Sullivan/Lennox

TITLE OF ACTIVITY: Cameroon, Guinea Worm Elimination Phase 2

ORIGIN OF ACTIVITY: Follow on to 81113

AUDIENCE: USAID/Yaounde, Guinea Worm Coordination Group

LOCATION: Cameroon

OBJECTIVES: To coordinate the efforts of the GOC, UNICEF, CDC, Peace Corps, Global 2000 and the Carter Center to eliminate GWD from Cameroon.

SCHEDULE/ACTIVITY PLAN: 1) Team planning meeting; 2) Conduct in-country training; 3) Develop monitoring system; 4) Implement program; and 5) Evaluate impact.

PERSONNEL/SKILLS REQUIRED: Epidemiologist/Coordinator

PROPOSED PERSONNEL: George Greer - Tulane Subcontractor

FOLLOW-UP ACTIVITIES: Impact assessment

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 90

BY WHOM: _____	81	\$65,000.00
DATE: _____	82	
	TOTAL COST:	<u>\$65,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 139

BUREAU: Global

COUNTRY: U.S.

DATE: BEGIN: Jan 1, 1991

FIELD VISIT: Jan 23-24, 1991;
July 11-12, 1991

END: Dec 31, 1991

ACTIVITY MANAGER: Andre/Sullivan

TITLE OF ACTIVITY: Training module in malaria prevention and control

ORIGIN OF ACTIVITY: Tulane/Harvard/Jackson Foundation Concept Papers.

AUDIENCE: USAID MISSIONS; MINISTRIES OF HEALTH; PUBLIC HEALTH WORKERS

LOCATION: At subcontracting universities (Harvard, Tulane, USUHS) and VBC

OBJECTIVES: To produce a comprehensive training module in malaria prevention and control for Level I, II, and III countries which have malaria control problems.

SCHEDULE/ACTIVITY PLAN: Each university would work on the module for Level I, II, or III at their university during the year; two person-months per selected individual. VBC would coordinate the activity by holding a 2-day TPM in January and in July.

PERSONNEL/SKILLS REQUIRED: Epidemiologists (3); Medical Entomologists (3); Public Health Educator (1); Library technicians (3); Editor

PROPOSED PERSONNEL: Epidemiologists, Entomologists, Library technicians to be selected by the respective university. Dr. Maurice Apted. Katherine Henry.

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$60,000.00
DATE: _____	82	
	TOTAL COST:	<u>\$60,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 140

BUREAU: ENE

COUNTRY: ENE Country

DATE: BEGIN: 1 Jan 1991

FIELD VISIT: April 1-30, 1991, 1992;
Aug 15 - Sept 15, 1991, 1992;

Nov 15 - Dec 1991, 1992

END: Dec 31, 1992

ACTIVITY MANAGER: Andre/Sullivan

TITLE OF ACTIVITY: Impact of socio-cultural and economic factors on vector-borne disease transmission in an ENE country

ORIGIN OF ACTIVITY: Jackson Foundation Concept Paper

AUDIENCE: S&T/H; Bureau of ENE; USAID/TBD; MOH - TBD

LOCATION: TBD

OBJECTIVES: Collect base-line data on the prevalence and distribution of the vector-borne diseases in selected sites in an ENE country. Determine socio-cultural practices of populations in selected areas of low and high endemicity of vector-borne diseases. Conduct corollary studies on economic indicators in the same areas. Prospectively monitor disease occurrence and the determined key socio-cultural and economic indicators in these selected sites.

SCHEDULE/ACTIVITY PLAN: Consultant would go to the field for one month during April, August/September, and November/December of each year to determine the prevalence of vector-borne diseases in the study areas. Collaborator would devote four months per year to the project to determine the socio-cultural and economic indicators.

PERSONNEL/SKILLS REQUIRED: Vector-borne Disease Specialist; Social Scientist

PROPOSED PERSONNEL: Dr. John Cross; TBD

FOLLOW-UP ACTIVITIES: Results of this study should serve to guide future efforts in improving the health and economic productivity of the ENE country.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$30,000.00
	82	
DATE: _____	TOTAL COST:	<u>\$30,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 141

BUREAU: Africa
 COUNTRY: Cameroon
 DATE: BEGIN: January 15, 1991
 FIELD VISIT: January 27 - 31, 1991
 END: March 15, 1991

ACTIVITY MANAGER: Sullivan/Andre

TITLE OF ACTIVITY: Participation in Second Regional Guinea Worm Eradication Workshop

ORIGIN OF ACTIVITY: Peace Corps Request

AUDIENCE: Peace Corps and host country GWE Program Coordinators

LOCATION: Cameroon

OBJECTIVES: To represent VBC in the development of a plan of action for continued interagency collaboration in host country G.W. eradication programs.

SCHEDULE/ACTIVITY PLAN: Workshop attendance between January 27 and 31, 1991.

PERSONNEL/SKILLS REQUIRED: VBC Epidemiologist

PROPOSED PERSONNEL: P. Sullivan

FOLLOW-UP ACTIVITIES: Continued interagency collaboration in plan of action implementation.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	01	\$5,000.00
	82	
DATE: _____	TOTAL COST:	<u>\$5,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 142

BUREAU:
 COUNTRY: Global
 DATE: BEGIN: May 1, 1991
 FIELD VISIT:
 END: July 30, 1991

ACTIVITY MANAGER: Silverman

TITLE OF ACTIVITY: Model VBDC Database

ORIGIN OF ACTIVITY: Follow-up to 81137

AUDIENCE: USAIDs

LOCATION: VBC Offices

OBJECTIVES: To produce a prototype database to be used for the management of VBDC programs.

SCHEDULE/ACTIVITY PLAN: 1) Review lessons learned from previous VBC MIS/HIS activities; 2) Design prototype database; 3) Program database; and 4) Write documentation for database.

PERSONNEL/SKILLS REQUIRED: MIS/HIS Specialist and VBDC Specialist

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES: Field test database.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 25

BY WHOM: _____	81	\$15,829.00
	82	
DATE: _____	TOTAL COST:	<u>\$15,829.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 144

BUREAU:
 COUNTRY: Global
 DATE: BEGIN: May 1, 1991
 FIELD VISIT:
 END: June 30, 1991

ACTIVITY MANAGER: Silverman

TITLE OF ACTIVITY: Workshop on the Mechanism of Financing VBDC.

ORIGIN OF ACTIVITY: Proactive

AUDIENCE: USAIDs

LOCATION: VBC Offices

OBJECTIVES: To explore alternative financing schemes to operate self-sustaining VBDC programs.

SCHEDULE/ACTIVITY PLAN: 1) Plan workshop, invite guest speakers; 2) Hold workshop; and 3) Produce document.

PERSONNEL/SKILLS REQUIRED: Health financing specialist and Vector-borne disease specialist

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 79

BY WHOM: _____	81	\$45,977.00
DATE: _____	82	
	TOTAL COST:	<u>\$45,977.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 146

BUREAU: S&T/H
 COUNTRY: Global
 DATE: BEGIN: Jan 1991
 FIELD VISIT: N/A
 END: Sept 30, 1991

ACTIVITY MANAGER: ID/HRD Specialist

TITLE OF ACTIVITY: Policy Constraints to Vector-Borne Disease Control

ORIGIN OF ACTIVITY: VBC Proactive

AUDIENCE: S&T/H, USAIDs

LOCATION: Washington, D. C.

OBJECTIVES: To review specific host country policies that impact upon vector-borne disease control efforts and identify a policy framework for future dialogue.

SCHEDULE/ACTIVITY PLAN: 1. Hold workshop to identify policy groupings with potential impact on VBDS. 2. Collect and review host-country development plans and policy statements for all sectors (minimum of 3 countries/region). 3. Prepare technical report.

PERSONNEL/SKILLS REQUIRED: 1. Institutional Development Specialist. 2. VBDC Specialist. 3. Finance Specialist. 4. Community Development Specialist.

PROPOSED PERSONNEL: 1. VBC ID/HRD Specialist. 2. TBD 3. TBD 4. TBD.

FOLLOW-UP ACTIVITIES: Case studies in policy development and development of guidelines for effective policy dialogue with host-country decision makers.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$30,000.00
DATE: _____	82	
	TOTAL COST:	<u>\$30,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 147

BUREAU: Global
 COUNTRY: United States
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT: TBD
 END: May 31, 1991

ACTIVITY MANAGER: Sullivan/Andre

TITLE OF ACTIVITY: Development of VBD Training Needs Assessment (TNA) Instruments

ORIGIN OF ACTIVITY: VBC Training program Development Workshop (Proactive/subcontractors)

AUDIENCE: Host country VBD program personnel, USAID Missions, VBC Consultants

LOCATION: VBC and participating subcontractor universities

OBJECTIVES: To initiate the development of a standardized training needs assessment process.

SCHEDULE/ACTIVITY PLAN: 1) Initiate the activity in a joint TPM with proposed activity No. 139 (Training Module in Malaria prevention and control). 2) Develop training needs assessment instruments for application to technical, managerial, and operational levels of VBD control programs.

PERSONNEL/SKILLS REQUIRED: Needs analyst and HRD Specialist

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES: Field test and refine TNA instruments and institutionalize the TNA process within VBC and within host countries.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 120

BY WHOM: _____	81	\$40,000.00
DATE: _____	82	
	TOTAL COST:	<u>\$40,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 148

BUREAU: AFR
 COUNTRY: TBD
 DATE: BEGIN: Jan 15, 1991
 FIELD VISIT: TBD
 END: Nov 30, 1992

ACTIVITY MANAGER: Sullivan/ID/HRD Specialist

TITLE OF ACTIVITY: Assessment of Impact of Community-Based Health Services

ORIGIN OF ACTIVITY: Harvard Concept Paper

AUDIENCE: AFR/TR/S&T/H, USAIDs

LOCATION: TBD

OBJECTIVES: To compare malaria prevalence rates in communities that are served by self financing health plans with those that are served by general health services.

SCHEDULE/ACTIVITY PLAN: 1) Select study and control sites. 2) Develop assessment output and input indicators. 3) Train host country personnel. 4) Collate and analyze data.

PERSONNEL/SKILLS REQUIRED: Medical Economist and Epidemiologist

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES: Develop model for reducing malaria indicators through strengthening access to effective country health services.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 120

BY WHOM: _____	81	\$40,000.00
	82	
DATE: _____	TOTAL COST:	<u>\$40,000.00</u>

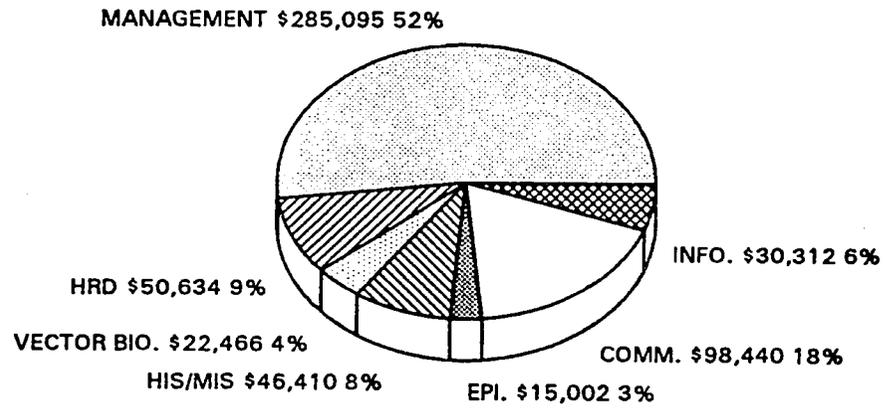
6. Continuing Activities

The following 22 activities were initiated in FY 1990 and will be completed during 1991.

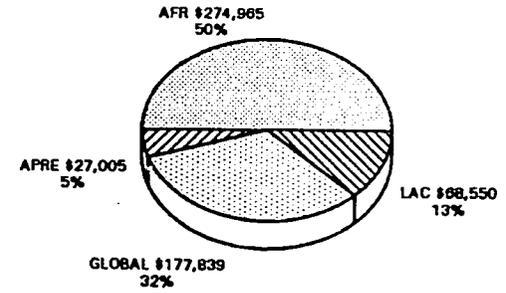
Continuing Activities Budget

Act. Code #	Act. Plan #	Title	Act. Sheet \$	Act. Plan \$	Total \$ Remaining
035	81141	Zimbabwe: Data Management Assessment	27,305	27,025	16,668
036	81142	Swaziland: Data Management Assessment	38,400	28,640	9,309
039	81151	AFR: Institutional Capability Assessment	24,000	48,149	46,791
040	81140	Peri-Urban Information Network	15,000	7,385	7,267
041	81146	Curriculum Development for Info. Specialists	8,000	10,405	10,405
042	81149	AFR: Guinea Worm Information Network	8,000	12,640	12,640
045	81134	Guinea Worm Manual for Peace Corps Volunteers	20,500	43,245	23,629
050	81152	Benin: Guinea Worm Eradication Rural Water Supply	20,000	21,843	20,670
053	81150	Revision of VBC Brochure	18,000	18,815	18,815
057	81153	VBC Project Video	30,000	32,170	32,072
064	81133	Cameroon: Guinea Worm Elimination	50,000	52,666	33,515
065	81145	Publication and Distribution of Disease Papers	37,870	37,870	10,250
068	81138	VBDC Workshop ASTMH 1990 Meeting	28,000	37,303	37,303
075	81137	Guide Malaria Information Systems	25,000	24,750	20,433
076	81143	ULV Trials Dengue Control	31,680	31,680	22,466
077	81144	Nepal: Mosquito Identification Course	24,225	39,296	27,005
082	81147	Senegal: Models for Water Use and VBC Transmission	39,065	87,763	85,839
083	81148	Niger: Development of a Malaria Checklist	15,120	15,120	15,002
087	81154	Coordination of NGO/PVOs for Malaria Problems	46,750	46,735	41,294
088	81155	Ecuador: TA for Aedes/Dengue Control	2,830	2,830	1,143
089	81157	Ghana: Guinea Worm Disease Expert	11,000	10,962	10,902
093	81158	LAC: Planning Regional/Dengue/DHF Strategy	44,941	44,942	44,941
			565,686	682,234	548,359

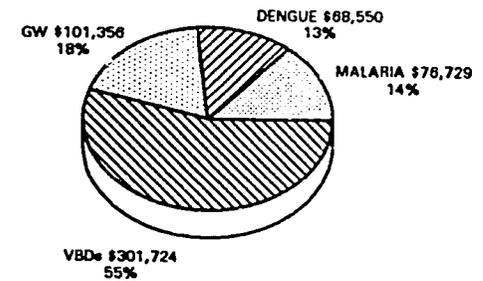
1991 CONTINUING ACTIVITIES BY SECTOR



1991 CONTINUING ACTIVITIES BY REGION



1991 CONTINUING ACTIVITIES BY DISEASE



VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 035

BUREAU: AFR
COUNTRY: Zimbabwe
DATE: BEGIN: February 28, 1990
FIELD VISIT: June 1990
END: August 30, 1990

ACTIVITY MANAGER: Silverman/Sullivan

TITLE OF ACTIVITY: Malaria Data Management

ORIGIN OF ACTIVITY: USAID/Harare 01247

AUDIENCE: USAID/Harare, MOH/GOS; AFR Bureau; REDSO

LOCATION: Harare, Zimbabwe

OBJECTIVES: To provide TA to Blair Laboratory (MOH) to assess data needs for program operation and planning; review/revise current data collection forms, data flow and utilization to accommodate movement toward decentralization; prepare plan for further development of H/HIS for malaria control program.

SCHEDULE/ACTIVITY PLAN: a) recruit consultant(s) - April-May, 1990
b) TDY late May early June 1990 (2 weeks)
c) completion of report in July

PERSONNEL/SKILLS REQUIRED: 1) epidemiologist/malariologist
2) M/HIS specialist

PROPOSED PERSONNEL: 1) epidemiologist - to be named
2) Dr. Silverman or consultant

FOLLOW-UP ACTIVITIES: TBD

S&T CONTACT: D. Carroll *dc*

APPROVED:

LEVEL OF EFFORT IN DAYS: 30

BY WHOM: *[Signature]* 81 \$ 27,305.00
82 - 0 -

DATE: 28 May 90 TOTAL COST: \$ 27,305.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 036

BUREAU: AFR
 COUNTRY: Swaziland
 DATE: BEGIN: January 22, 1990
 FIELD VISIT: June 1990
 END: August 30, 1990

ACTIVITY MANAGER: Silverman/Sullivan

TITLE OF ACTIVITY: Data Management - VBDC

ORIGIN OF ACTIVITY: USAID/Mbabane 00432

AUDIENCE: USAID/Mbabane - MOH/GOS; AFR Bureau; REDSO

LOCATION: Mbabane, Swaziland

OBJECTIVES: To review current data being collected by the malaria program; evaluate data quality and ability to improve operational control procedures; recommend improvements in data collection and management to more effectively direct control operations - especially spraying. Based on above, assess desirability and feasibility of computerizing malaria data and, if determination is positive, provide requirements for hardware, software and staff training.

SCHEDULE/ACTIVITY PLAN: a) recruit consultants - April-May, 1990
 b) TDY in June (3 weeks)
 c) completion of report in July

PERSONNEL/SKILLS REQUIRED: 1) Vector control specialist
 2) H/MIS specialist

PROPOSED PERSONNEL: To be named

FOLLOW-UP ACTIVITIES: TBD

S&T CONTACT: D. Carroll *dc*

APPROVED:

LEVEL OF EFFORT IN DAYS: 66

BY WHOM: *John A. ...*

81

\$ 38,400.00

82

- 0 -DATE: 28 Mar 90

TOTAL COST:

\$ 38,400.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 039

BUREAU: AFR
 COUNTRY:
 DATE: BEGIN: April 2, 1990
 FIELD VISIT:
 END: August 31, 1991

ACTIVITY MANAGER: E. Nayeri

TITLE OF ACTIVITY: Institutional capability assessment to determine capacity for regional information distribution

ORIGIN OF ACTIVITY: VBC

AUDIENCE: Host country institutes and research centers in each A.I.D.-assisted region (AFR, ANE, LAC)

LOCATION: VBC

OBJECTIVES: To establish and sustain a minimum of two secondary distribution centers for vector-borne disease control in each A.I.D.-assisted region.

SCHEDULE/ACTIVITY PLAN: 1) FY 1990: Complete initial assessment of institutional capabilities; and 2) FY 1991-1994 field visits for each region and formalization of agreements.

PERSONNEL/SKILLS REQUIRED: 1) Information Specialist
2) Consultant
3) Research AssociatePROPOSED PERSONNEL: 1) VBC Information Specialist - E. Nayeri
2) VBC Consultant (TBD)
3) VBC Research Associate - B. Guynn

FOLLOW-UP ACTIVITIES: Periodic reviews to monitor progress of each center.

S&T CONTACT: D. Carroll *dc*

APPROVED: *[Signature]* LEVEL OF EFFORT IN DAYS: 60
 BY WHOM: *[Signature]* 81 \$ _____
 82 \$ _____
 DATE: 20 April 90 TOTAL COST: \$24,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 040

BUREAU: U.S. Central
 COUNTRY: Global
 DATE: BEGIN: December 28, 1989
 FIELD VISIT:
 END: September 30, 1990

ACTIVITY MANAGER: E. Nayeri

TITLE OF ACTIVITY: Peri-Urban Information Network

ORIGIN OF ACTIVITY: WASH Team Planning Meeting, December 28, 1989.

AUDIENCE: Organizations in A.I.D.-assisted countries worldwide.

LOCATION: WASH/VBC Offices

OBJECTIVES: To establish an information network for the purpose of sharing information pertaining to health and sanitation issues of particular relevance to urban and peri-urban areas.

SCHEDULE/ACTIVITY PLAN: 1) Identify and establish contact with appropriate host country organizations; 2) determine information needs of information network members; and 3) develop peri-urban database and newsletter.

PERSONNEL/SKILLS REQUIRED: Information Specialist, Information Management Specialist, Librarian, Editor, and Editorial Consultant

PROPOSED PERSONNEL: 1) WASH Information Management Specialist - Diane Bendahmane, 2) WASH Librarian - Dan Campbell, 3) VBC Information Specialist - Ellen Nayeri, 4) VBC Editor - Kathleen Henry, and 5) Editorial Consultant - TBD

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *de*APPROVED: *[Signature]* LEVEL OF EFFORT IN DAYS: 23

BY WHOM: *[Signature]* 81 \$
 82 _____

DATE: 20 April 90 TOTAL COST: \$15,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 041

BUREAU: Global
 COUNTRY:
 DATE: BEGIN: April 2, 1990
 FIELD VISIT:
 END: August 31, 1991

ACTIVITY MANAGER: E. Nayeri

TITLE OF ACTIVITY: Curriculum Development for Information Specialists

ORIGIN OF ACTIVITY: VBC

AUDIENCE: Information Specialists in A.I.D.-assisted countries worldwide.

LOCATION: VBC

OBJECTIVES: To sustain the development of secondary distribution centers in each A.I.D.-assisted country by training information specialists in the acquisition, maintenance and dissemination of information.

SCHEDULE/ACTIVITY PLAN: FY 1990: Initial identification of possible candidates and development of curriculum.

PERSONNEL/SKILLS REQUIRED: 1) Information Specialist; 2) Curriculum Development Specialist (consultant); and 3) HR/IRD Specialist (VBC Staff)

PROPOSED PERSONNEL: 1) VBC Information Specialist
 2) VBC Consultant
 3) VBC HR/IRD Specialist

FOLLOW-UP ACTIVITIES: Provide follow-up monitoring for trained students. Serve as information resource for student trained.

S&T CONTACT: D. Carroll *dc*APPROVED: *John H. [Signature]* LEVEL OF EFFORT IN DAYS: 20

BY WHOM: *John H. [Signature]* 81 \$ _____
 82

DATE: 20 April 90 TOTAL COST: \$8,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 042

BUREAU: AFR
 COUNTRY: U.S. Central
 DATE: BEGIN: April 1, 1990
 FIELD VISIT:
 END: August 31, 1991

ACTIVITY MANAGER: E. Nayeri

TITLE OF ACTIVITY: Guinea Worm Information Network

ORIGIN OF ACTIVITY: Collaborative activity with CDM/WASH

AUDIENCE: Organizations interested and involved in control of Guinea Worm Disease.

LOCATION: VBC/WASH

OBJECTIVES: To acquaint organizations worldwide with the technical and information capabilities of VBC and WASH regarding Guinea Worm control.

SCHEDULE/ACTIVITY PLAN: 1) Assist CDC in the French translation and distribution of "Guinea Worm Wrap-Up" to 180 organizations in Francophone Africa (Quarterly); 2) Respond to information requests on Guinea Worm Disease; and 3) Quarterly mailing to network members of annotated Guinea Worm bibliography (tentative).

PERSONNEL/SKILLS REQUIRED: 1) Information Specialists
 2) Writer/Editor

PROPOSED PERSONNEL: 1) E. Nayeri, VBC and D. Campbell, WASH
 2) K. Henry

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll *dc*APPROVED: *[Signature]*

LEVEL OF EFFORT IN DAYS: 10

BY WHOM: *[Signature]*81
82

\$

DATE: *20 April 90*

TOTAL COST: \$8,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 045

BUREAU: Africa
 COUNTRY: Region-Wide
 DATE: BEGIN: May 7, 1990
 FIELD VISIT: N/P
 END: October 31, 1990

ACTIVITY MANAGER: P. Sullivan/

TITLE OF ACTIVITY: Guinea Worm Manual of Procedures for Peace Corps volunteers

ORIGIN OF ACTIVITY: Proactive

AUDIENCE: P.C. volunteers, Carter Foundation, UNICEF, CDC, AFR Bureau, Missions, S&T/H

LOCATION: Washington

OBJECTIVES: To coordinate the development of a manual of procedures for use by Peace Corps volunteers to participate in a comprehensive range of Guinea Worm eradication activities.

SCHEDULE/ACTIVITY PLAN: 1) to develop an action plan for coordinating the acquisition of existing materials from which manual content will be abstracted; 2) to identify collaborating staff in Peace Corps, WASH, and CDC; 3) to explore the possibility of manual production with USUHS subcontractor; 4) to present plan of action to G.W. Eradication meeting in Washington in mid-July; 5) to develop manual; 6) to present manual draft to training of trainer G.W. conference in Mali in September; 7) manual field test and modification.

PERSONNEL/SKILLS REQUIRED: - HRD/trainer consultant
 - Peace Corps consultant
 - production consultant (USUHS)

PROPOSED PERSONNEL: 1) Blank, HRD/trainer
 2) Joan Wooten, Peace Corps
 3) Blank, USUHS

FOLLOW-UP ACTIVITIES: None

S&T CONTACT: D. Carroll *dc*APPROVED: *[Signature]*

LEVEL OF EFFORT IN DAYS: 34

BY WHOM: <u><i>[Signature]</i></u>	81	\$20,500.00
	82	
DATE: <u>5/15/90</u>	TOTAL COST:	\$20,500.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 050

BUREAU: AFR
 COUNTRY: Benin
 DATE: BEGIN: May 20, 1990
 FIELD VISIT: June 5-26
 END: August 30, 1990

ACTIVITY MANAGER: P. Sullivan

TITLE OF ACTIVITY: Participation in evaluation of Rural Water Supply Project with GOB/UNICEF/USAID/Peace Corps

ORIGIN OF ACTIVITY: Request from S&T/H and AFR

AUDIENCE: GOB, USAID/COUTENOU and other implementors

LOCATION: Benin

OBJECTIVES: To assess the progress of project in achieving goals in improving water supply and preventing associated diseases. To assess effectiveness of collaboration. To assess potential need for an add-on or a follow-on project.

SCHEDULE/ACTIVITY PLAN: 1) Secure approvals. 2) Participate in TPM. 3) Participate in field evaluation. 4) Write disease section of evaluation. 5) Debrief USAID, S&T, AFR and VBC.

PERSONNEL/SKILLS REQUIRED: Vector-borne disease control specialist/epidemiologist with broad field experience. Fluent in French.

PROPOSED PERSONNEL: Subcontractor - Brinkmann? Greer? Buck?

FOLLOW-UP ACTIVITIES: Possible project design

S&T CONTACT: D. Carroll *dc*APPROVED: *[Signature]*

LEVEL OF EFFORT IN DAYS: 25

BY WHOM: C. J. T. 81 \$ 20,000.00
 82

DATE: 5/24/90 TOTAL COST: \$ 20,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 053

BUREAU: S&T
 COUNTRY: USA
 DATE: BEGIN: June 1, 1990
 FIELD VISIT: None
 END: September 30, 1990

ACTIVITY MANAGER: K. Henry

TITLE OF ACTIVITY: Revision of VBC Brochure

ORIGIN OF ACTIVITY: VBC Proactivity

AUDIENCE: A.I.D., collaborators, and other interested parties

LOCATION: VBC office

OBJECTIVES: To develop a new project brochure that features expanded VBC II goals and objectives.

SCHEDULE/ACTIVITY PLAN: 1) Write text material, 2) Collect photos, 3) Develop graphics, 3) Prepare copy, and 4) Print and distribute brochures.

PERSONNEL/SKILLS REQUIRED: 1) Technical writers, 2) Editor, 3) Designer, and 4) Printer.

PROPOSED PERSONNEL: 1) VBC Writer-Editor, K. Henry, 2) VBC Technical Staff, and 3) Contract Designer/Printer

FOLLOW-UP ACTIVITIES: Distribute brochures

S&T CONTACT: D. Carroll *dc*APPROVED: *[Signature]*

LEVEL OF EFFORT IN DAYS: 22

BY WHOM: *P.O. by* 81 \$ 18,000.00
 82

DATE: *5/21/90* TOTAL COST: \$ 18,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 057

BUREAU: S&T/H
 COUNTRY: Global
 DATE: BEGIN: June 1, 1990
 FIELD VISIT: None
 END: September 15, 1990

ACTIVITY MANAGER: K. Henry

TITLE OF ACTIVITY: VBC Project Video

ORIGIN OF ACTIVITY: Proactivity

AUDIENCE: USAID/ Bureau personnel, potential collaborators,
general public

LOCATION: USA, WDC

OBJECTIVES: To produce a VHS video tape that clearly states the connection between VBCs and development and highlights the manner in which VBC II's five year plan will impact the problem.

SCHEDULE/ACTIVITY PLAN: 1) Develop outline for video. 2) Collect photographic material. 3) Secure contract firm to develop storyboard. 4) Make video tape. 5) Edit and add sound over script. 6) Duplicate and distribute tape.

PERSONNEL/SKILLS REQUIRED: 1) VBC writer editor, 2) VBC staff members and 3) Contract video firm.

PROPOSED PERSONNEL: K. Henry
 VBC Staff Members
 Contract video firm

FOLLOW-UP ACTIVITIES: Distribution of tape

S&T CONTACT: D. Carroll *dc*APPROVED: *[Signature]* LEVEL OF EFFORT IN DAYS: 40

BY WHOM: *C. O. Ty* 81 \$ 30,000.00
 82

DATE: *5/21/90* TOTAL COST: \$ 30,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 064

BUREAU: AFR
 COUNTRY: Cameroon
 DATE: BEGIN: June 12, 1990
 FIELD VISIT: 6/15 - 9/1/90
 END: Nov. 1, 1990

ACTIVITY MANAGER: P. Sullivan/R. Lannox

TITLE OF ACTIVITY: Cameroon: Guinea Worm Elimination

ORIGIN OF ACTIVITY: Guinea Worm Coordination Meeting

AUDIENCE: USAID/Yaounde, ROC/MOH, S&T/H

LOCATION: Cameroon

OBJECTIVES: To provide training and management support to National Plan for Guinea Worm elimination.

SCHEDULE/ACTIVITY PLAN: 1) Brief with S&T/H, VBC. 2) Brief MOH and USAID/Yaounde. 3) Assess field staff capabilities. 4) Conduct training. 5) Coordinate activities with UNICEF, Peace Corps, Global 2000. 6) Provide support to Cameroon MOH and Guinea Worm Eradication Program staff. 7) Debrief USAID/MOH/S&T/H and VBC. 8) Complete report.

PERSONNEL/SKILLS REQUIRED: Parasitologist/Manager

PROPOSED PERSONNEL: George Greer

FOLLOW-UP ACTIVITIES: Evaluate success of program.

S&T CONTACT: D. Carroll *de*APPROVED: *Py*

LEVEL OF EFFORT IN DAYS: 60

BY WHOM: *COH*

81

\$50,000.00

82

DATE: *6/15/90*

TOTAL COST:

\$50,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 065

BUREAU: S&T/H
 COUNTRY: Global
 DATE: BEGIN: June 15, 1990
 FIELD VISIT: None
 END: Nov. 30, 1990

ACTIVITY MANAGER: K. Henry *KH*

TITLE OF ACTIVITY: Publication and Distribution of Disease Papers

ORIGIN OF ACTIVITY: VBC I

AUDIENCE: Mission HPN Officers, S&T/H, VBC, Collaborators

LOCATION: United States

OBJECTIVES: To produce, publish and distribute 10 disease papers written under VBC I.

SCHEDULE/ACTIVITY PLAN: 1) Complete editing of texts. 2) Prepare life cycle drawings and illustrations. 3) Design covers and presentation. 4) Publish papers. 5) Distribute Papers.

PERSONNEL/SKILLS REQUIRED: 1) VBC writer/editor; 2) VBC technical staff; 3) Life cycle artist; and 4) Graphics design specialist.

PROPOSED PERSONNEL: 1) K. Henry; 2) VBC Staff; 3) T. Litwak; and 4) Anne Masters.

FOLLOW-UP ACTIVITIES: Revision of Papers

S&T CONTACT: D. Carroll *dc*APPROVED: *[Signature]*

LEVEL OF EFFORT IN DAYS: 36

BY WHOM: *[Signature]*

81

\$37,870.00

DATE: *[Signature]*

82

TOTAL COST: \$37,870.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 68

BUREAU: Global
 COUNTRY: N/A
 DATE: BEGIN: February 1990
 FIELD VISIT: N/A
 END: December 31, 1990

ACTIVITY MANAGER: Arata, A *Arata*

TITLE OF ACTIVITY: VBDC Workshop at ASTMH Meeting 1990

ORIGIN OF ACTIVITY: Tulane concept paper

AUDIENCE: ASTMH membership

LOCATION: New Orleans, LA

OBJECTIVES: To provide overview of modern approaches on Vector Control and prevention of VBDs.

SCHEDULE/ACTIVITY PLAN: 1) Concept paper approved March 1990.
 2) Program and Budget received June 1990. 3) Local organization by Tulane and N.O. Mosquito Control Board 4) Workshop Nov. 4, 1990. 5) Summary report Dec. 31, 1990.

PERSONNEL/SKILLS REQUIRED:

PROPOSED PERSONNEL:

FOLLOW-UP ACTIVITIES: TBD

S&T CONTACT: D. Carroll

APPROVED: *Arata*BY WHOM: *A.O.G.*DATE: 7/2/90

LEVEL OF EFFORT IN DAYS: 31

81	\$ 28,000
82	<u>0</u>

TOTAL COST: \$ 28,000

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 075

BUREAU: N/A
 COUNTRY: U.S. Central
 DATE: BEGIN: June, 28, 1990
 FIELD VISIT: N/A
 END: August 31, 1990

ACTIVITY MANAGER: B. Silverman

TITLE OF ACTIVITY: Guide for the development of a Malaria Information System. Document based on Ecuador/Nepal.

ORIGIN OF ACTIVITY: Proactive

AUDIENCE: Global

LOCATION: VBC

OBJECTIVES: To prepare a document to serve as a guide for the development of Malaria Information Systems.

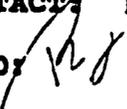
SCHEDULE/ACTIVITY PLAN: 1) Review VBC experience in malaria data management; 2) Prepare draft document; 3) Consultation (VBC) in July 1990 and 4) Review draft and revise.

PERSONNEL/SKILLS REQUIRED: 1) Malaria Information Specialist; 2) Computer Specialist (consultant); 3) Malariologist (consultant)

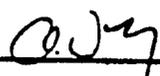
PROPOSED PERSONNEL: B. Silverman
 Consultant to be named
 VBC Staff

FOLLOW-UP ACTIVITIES: Field test document.

S&T CONTACT: D. Carroll

APPROVED: 

LEVEL OF EFFORT IN DAYS: 47

BY WHOM: 

81 \$25,000.00

82 _____

DATE: 7/2/90

TOTAL COST: \$25,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 076

BUREAU: LAC
 COUNTRY: Venezuela
 DATE: BEGIN: July 18, 1990
 FIELD VISIT:
 END: December 31, 1990 (field work)
 Report By Feb. 28, 1991

ACTIVITY MANAGER: *Arata* A. Arata/R. Andre

TITLE OF ACTIVITY: ULV Trials for Dengue Control

ORIGIN OF ACTIVITY: Meetings of VBC, CDC and PAHO

AUDIENCE: All countries in endemic dengue areas; health agencies; U.S.A.I.D. Missions; S&T/H; LAC; OFDA

LOCATION: Maracay, Venezuela

OBJECTIVES: To determine whether sequential truck-mounted ULV application(s) of insecticides (OP) can reduce urban Aedes populations to levels to interrupt transmission of dengue.

SCHEDULE/ACTIVITY PLAN: See Attached

PERSONNEL/SKILLS REQUIRED: See Attached

PROPOSED PERSONNEL: Dr. Donald Eliason and Dr. Andrew Arata

FOLLOW-UP ACTIVITIES: Coordinate with PAHO and CDC to draft guidelines or utility of ULV in dengue control; proper methods of application, constraints, costs, etc.

S&T CONTACT: D. Carroll *dk*

APPROVED: <i>[Signature]</i>	LEVEL OF EFFORT IN DAYS: 53
BY WHOM: <u><i>A. Arata</i></u>	81 \$31,680.00
	82 _____
DATE: <u>7/24/90</u>	TOTAL COST: \$31,680.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 077

BUREAU: ANE
 COUNTRY: Nepal
 DATE: BEGIN: 17 July 1990
 FIELD VISIT: 22 Aug. - 24 Sept. 1990
 END: 1 November 1990

RSA
 ACTIVITY MANAGER: Richard Andre/Barry Silverman

TITLE OF ACTIVITY: Mosquito Identification Course - Nepal

ORIGIN OF ACTIVITY: USAID/Kathmandu Fax dated July 11, 1990

AUDIENCE: National Malaria Eradication Organization/Ministry of Health Entomologists, Malaria Inspectors

LOCATION: Nepal, Kathmandu and Hetauda Research and Training Center

OBJECTIVES: To augment the capability of the Entomological staff to identify the vectors of malaria and Japanese encephalitis, to conduct field taxonomic surveys, and to prepare taxonomic series of vector complexes.

SCHEDULE/ACTIVITY PLAN: Course to begin at the Hetauda Research and Training Center on 27 August and will end on 21 September. Central Region field sites will be visited during course.

PERSONNEL/SKILLS REQUIRED: Mosquito taxonomist with extensive experience in working with the mosquitoes of Nepal.

PROPOSED PERSONNEL: Richard Darsie

FOLLOW-UP ACTIVITIES: Taxonomic confirmation of the presence of certain vector species in endemic areas of Nepal.

S&T CONTACT: D. Carroll *dc*

APPROVED: *[Signature]* LEVEL OF EFFORT IN DAYS: 40
 BY WHOM: *A. D. G.* 81 \$24,225.00
 82 _____
 DATE: *7/27/90* TOTAL COST: \$24,225.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 082

BUREAU: AFR
 COUNTRY: Senegal
 DATE: BEGIN: August 9, 1990
 FIELD VISIT: Aug 23 - Sept 9
 END: December 1, 1990

ACTIVITY MANAGER: Andre/Lennox

TITLE OF ACTIVITY: Feasibility Study: Senegal River Basin: Near Optimal models for water use and VBD transmission

ORIGIN OF ACTIVITY: Proactivity: Harvard Concept Paper

AUDIENCE: S&T/H, AFR, USAID Dakar, S&T/AG, WASH (others interested in intersectoral issues)

LOCATION: US and Senegal

OBJECTIVES: Collect and assess the quality of available information for constructing a near optimal model for health planning in the Senegal River Basin.

SCHEDULE/ACTIVITY PLAN: 1) Hold one day workshop on river basin development and intersectoral modeling with WASH, S&T/H, S&T/AG, S&T/FE & R, FEWS and IBRD. 2) Meet with officials responsible for health/engineering agriculture economic development in the Basin. 3) Determine quantity, quality, and relevance of data in Dakar and St. Louis constructing an appropriate model. 4) Debrief USAID, S&T/H and VBC 5) Submit feasibility report.

PERSONNEL/SKILLS REQUIRED: (1) Environmental Engineer; (2) Modeling Specialist; and (3) Epidemiologist

PROPOSED PERSONNEL: (1) J. Harrington, Environmental Engineer, Field Trip; (2) C. King, Modeler, Field Trip; and (3) U. Brinkman, Epidemiologist, U.S. only

FOLLOW-UP ACTIVITIES: Model development (Phase II)

S&T CONTACT: B. Carroll

APPROVED: 

LEVEL OF EFFORT IN DAYS: 104

BY WHOM: 	81	\$39,065.00
	82	

DATE: 8/14/90	TOTAL COST: \$39,065.00
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VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 083

BUREAU: AFR
 COUNTRY: Niger
 DATE: BEGIN: 8 August 1990
 FIELD VISIT: Aug 5 - Sept 7, 1990
 END: September 30, 1990

ACTIVITY MANAGER: *RSA* R. Andre/P. Sullivan *D*

TITLE OF ACTIVITY: Development of a Malaria Checklist for Niger

ORIGIN OF ACTIVITY: Proactive

AUDIENCE: Health Care Workers in Niger

LOCATION: Niamey, Niger

OBJECTIVES: 1) Design epidemiological checklist on malaria. 2) Training health care workers in use of list. 3) Distribute list to Health Centers. 4) Evaluate and revise list. 5) Submit report.

SCHEDULE/ACTIVITY PLAN: 1) Design list (15-17 August). 2) Workshop to train workers (20-22 August). 3) Distribute list (23-24 August). 4) Evaluate and revise list (27-31 August). 5) Analyze and submit report (3-7 September).

PERSONNEL/SKILLS REQUIRED: Medical Epidemiologist and Social Scientist

PROPOSED PERSONNEL: Michael Olivar and Social Scientist

FOLLOW-UP ACTIVITIES: Surveillance of malaria in Niger using check list.

S&T CONTACT: D. Carroll *dc*

APPROVED: *WV*

LEVEL OF EFFORT IN DAYS: 45

BY WHOM: *AD*

81

\$15,120.00

82

DATE: *8/16/90*

TOTAL COST: \$15,120.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 087

BUREAU: ANE
 COUNTRY: Pakistan; Thailand
 DATE: BEGIN: 5 September 1990
 FIELD VISIT: 18 Sept. - 17 Oct. 1990
 END: November 30, 1990

PLA
 ACTIVITY MANAGER: Andre/Lennox

TITLE OF ACTIVITY: Needs Assessment and Coordination of NGOs and PVOs for Malaria Problems in ANE Region

ORIGIN OF ACTIVITY: Proactive/Reactive

AUDIENCE: USAID/Islamabad; USAID/Bangkok; USAID/Manila;
 WHO/Geneva; NGO; Pakistan, Thailand, Philippines; PVOs Thailand

LOCATION: Geneva; Pakistan; Thailand, Philippines

OBJECTIVES: 1) Initial coordination with WHO on potential collaboration on malaria activities in Cambodia. 2) Needs assessment of malaria activities in Pakistan and Philippines. 3) Coordination of PVOs, USAID/Office of Khmer Affairs, and NGO/Bangkok on possible malaria activities in Cambodia.

SCHEDULE/ACTIVITY PLAN: Geneva, 18-21 September 1990; Islamabad, 22-28 September 1990; Bangkok, 29 September - 12 October 1990; Manila, 13-17 October, 1990.

PERSONNEL/SKILLS REQUIRED: Richard Andre/Vector Biologist; Andy Arata/Deputy Director (Geneva and Pakistan only).

PROPOSED PERSONNEL: Richard Andre and Andy Arata

FOLLOW-UP ACTIVITIES: Possible malaria activities in Pakistan, Thailand, Cambodia, Philippines.

S&T CONTACT: D. Carroll *dc*

APPROVED: *ada*

LEVEL OF EFFORT IN DAYS: 49

BY WHOM: <i>Richard Andre</i>	81	\$46,750.00
DATE: <i>12 Sept 90</i>	82	
	TOTAL COST:	\$46,750.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 088

BUREAU: LAC
 COUNTRY: Ecuador
 DATE: BEGIN: September 12, 1990
 FIELD VISIT: Sept. 15 - Oct. 5, 1990
 END: November 30, 1990

ACTIVITY MANAGER: Arata, A./R. Lennox

TITLE OF ACTIVITY: Technical Assistance for Aedes/Dengue Control Program

ORIGIN OF ACTIVITY: PIO/T 518-0049 USAID/Quito

AUDIENCE: USAID/Quito and MOH officials/GOE

LOCATION: Guayaquil

OBJECTIVES: To assist the MOH in improving Aedes control in the city of Guayaquil and urban areas in Esmeraldas and Manabi Provinces to reduce the recurrent outbreaks of dengue fever.

SCHEDULE/ACTIVITY PLAN: Mid-September - November 30, 1990

PERSONNEL/SKILLS REQUIRED: Medical Entomologist (2)

PROPOSED PERSONNEL: (A) Robert Tonn (B) D. Eliason

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll

APPROVED: *[Signature]*

LEVEL OF EFFORT IN DAYS: 37

BY WHOM: <i>[Signature]</i>	81	\$ 2,830.00
	82	<u>25,955.00</u>
DATE: <u>12/5/90</u>	TOTAL COST:	\$28,785.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 089

BUREAU: Africa
 COUNTRY: Ghana
 DATE: BEGIN: October 1990
 FIELD VISIT: ~Nov. 1-20, 1990
 END: November 30, 1990

ACTIVITY MANAGER: P. Sullivan *PS*

TITLE OF ACTIVITY: Guinea Worm Disease Control Expert Consultancy

ORIGIN OF ACTIVITY: Request from S&T/H

AUDIENCE: ASTM&H, VBC, S&T/H

LOCATION: New Orleans, Washington

OBJECTIVES: To sponsor Dr. Bugri's travel from Ghana-New Orleans-Washington-Ghana for attendance at the annual ASTM meeting and one (1) week in VBC's offices, Washington.

SCHEDULE/ACTIVITY PLAN: During Dr. Bugri's week in Washington, VBC staff will: 1) review with him the Guinea worm manual prepared for peace corps volunteers; 2) seek his advice on forthcoming assessment of G.W. interagency collaboration in Benin; 3) discuss current status of the training center at the University of Legon, Ghana; and 4) provide a seminar format for discussion of selected topics by Dr. Bugri to interested parties in Washington.

PERSONNEL/SKILLS REQUIRED: N.A.

PROPOSED PERSONNEL: VBC Staff

FOLLOW-UP ACTIVITIES: To be determined

S&T CONTACT: D. Carroll

APPROVED: *PS*

LEVEL OF EFFORT IN DAYS: 19

BY WHOM: *AW by* 81 \$11,000.00

DATE: *9/20/90* 82 TOTAL COST: \$11,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 093

BUREAU: LAC
 COUNTRY: Regional
 DATE: BEGIN: September 17, 1990
 FIELD VISIT:
 END: September 30, 1991

ACTIVITY MANAGER: Arata A./Andre R.

TITLE OF ACTIVITY: Planning a Regional/Dengue/DHF Strategy with PAHO and CDC

ORIGIN OF ACTIVITY: Proactive VBC Staff with Tulane, Annual Work Plan Activity No. 030

AUDIENCE: LAC Bureau, regional missions, PAHO, CDC and regional countries

LOCATION: VBC

OBJECTIVES: To develop, in conjunction with PAHO and CDC, an inventory of regional problem areas and available resources to allow development of a coordinated, effective means of support and technical assistance to countries at risk to dengue/DHF.

SCHEDULE/ACTIVITY PLAN: 1) Inventory of current methods for control, affected areas and regional resources from A.I.D., PAHO and CDC. 2) Cost estimates of existing means of control. 3) Review of status of alternate methods of control and issues for operational research activities. 4) Discussions with Central American Missions and LAC Bureau. 5) January - April 1991 - Discussion with CDC and PAHO. 6) Joint meeting A.I.D/S, CDC and PAHO hosted by VBC. 7) May - September 1991 - Development of plan of action. 8) Invitation of trial control programs in at least two Central American countries.

PERSONNEL/SKILLS REQUIRED: Vector control, epidemiology, community participation, clinical diagnosis and treatment, cost analysis

PROPOSED PERSONNEL: 1) Drs. Arata, Andre and other VBC staff (ID/HRD Specialists and Dr. Sullivan, Epidemiologist). 2) Dr. Jerome Freier, Tulane. 3) Other consultants (TBN) - alternate control technology - self-financing of programs - training, health economics. 4) CDC (through PASA) and PAHO participants in planning - virology, epidemiology, vector control, community participation.

FOLLOW-UP ACTIVITIES: Development of trial control programs for at least two years.

SET CONTACT: D. Carroll

APPROVED: *[Signature]*

LEVEL OF EFFORT IN DAYS: 87

BY WHOM:	<u>C.U. G</u>	81	\$44,491.00
DATE:	<u>9/27/90</u>	82	
		TOTAL COST:	<u>\$44,491.00</u>

Annex 1. Activities Awaiting Funding

Additional proactive proposals that could not be included in the plan because of budget constraints are listed below. They will become part of the 1991 work plan if funding becomes available.

These activities address important objectives of the VBC II Project, most notably improved surveillance (Objective 3) and community-level interventions (Objective 7). Missions and Bureaus are encouraged to review these proposals and consider assisting in their implementation.

Awaiting Funding

Code	Title	Budget \$
T-1	Referral and Treatment Guidelines for Malaria	10,000
T-2	Identification and Referral of Drug-Resistant Malaria	25,000
T-3	Analysis of Mortality and Treatment Costs of Dengue	25,000
T-4	Guidelines for Sustainable Community-Based VBD Control	29,200
T-5	VBDC Needs Assessment in an Asian Country	35,000
T-6	Case Studies on Community Participation in VBD Control	20,000
T-7	Pre-Malaria Survey Planning and Organization	20,000
T-8	Surveillance Training in OCP Devolving Countries	50,000
T-9	Requirements for Ivermectin Distribution	60,000
T-10	Inventory of Organizations and Initiatives in Community Participation	15,000
T-11	Epidemiological Evaluation of Malaria Surveillance	25,000
T-12	Measurement of Relapses of Vivax Malaria	14,072
		328,272

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE T-1

BUREAU: Worldwide
 COUNTRY: Global
 DATE: BEGIN: TBD
 FIELD VISIT: TBD
 END: TBD

ACTIVITY MANAGER: Sullivan/ID/HRD

TITLE OF ACTIVITY: Methods for implementing referral and treatment guidelines for severe malaria.

ORIGIN OF ACTIVITY: Proactive

AUDIENCE: VBC, S&T/H, Missions

LOCATION: Washington, D. C.

OBJECTIVES: To develop methods for: 1) the appropriate presentation of existing referral and treatment guidelines; and 2) their application at different levels of service delivery.

SCHEDULE/ACTIVITY PLAN: 1) Initiate collaboration with agencies that have produced most recent guidelines; 2) Develop generic procedures for their presentation and application; 3) Field test procedures; and 4) modify, publish and distribute procedures.

PERSONNEL/SKILLS REQUIRED: Medical anthropologist/sociologist

PROPOSED PERSONNEL: Consultant anthropologist/sociologist

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 15

BY WHOM: _____	81	\$10,000.00
	82	
DATE: _____	TOTAL COST:	<u>\$10,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE T-2

BUREAU: ENE
 COUNTRY: TBD
 DATE: BEGIN: TBD
 FIELD VISIT: Host Country
 END: TBD

ACTIVITY MANAGER: Sullivan/Andre

TITLE OF ACTIVITY: Methods for identification and referral of drug-resistant cases of malaria.

ORIGIN OF ACTIVITY: Proactive

AUDIENCE: VBC, S&T/H, Missions, WHO, CDC

LOCATION: Host Country

OBJECTIVES: To develop a PHC system of surveillance of treatment failure and prompt referral to secondary/tertiary levels of care.

SCHEDULE/ACTIVITY PLAN: 1) To develop methods of treatment failure surveillance appropriate to village-level health workers, and 2) to field test, modify and implement within local health system infrastructure.

PERSONNEL/SKILLS REQUIRED: Epidemiologist
Medical anthropologist/sociologistPROPOSED PERSONNEL: 1) Consultant epidemiologist
2) Consultant anthropologist

FOLLOW-UP ACTIVITIES: Application of methods to other regional settings.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 70

BY WHOM: _____	81	\$25,000.00
	82	
DATE: _____	TOTAL COST:	<u>\$25,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE T-3

BUREAU: APRE
 COUNTRY: TBD
 DATE: BEGIN: TBD
 FIELD VISIT: TBD
 END: TBD

ACTIVITY MANAGER: Andre/Sullivan

TITLE OF ACTIVITY: Analysis of mortality and treatment costs associated with dengue outbreaks in an Asian country.

ORIGIN OF ACTIVITY: Proactive (VBC)

AUDIENCE: S&T/H, Missions, World Bank, WHO

LOCATION: TBD

OBJECTIVES: To provide justification for the implementation of dengue control measures by defining the aggregate costs of infection in children.

SCHEDULE/ACTIVITY PLAN: 1) Collection, analysis, interpretation of existing data; and 2) Report preparation and presentation to country decision-makers.

PERSONNEL/SKILLS REQUIRED: Epidemiologist/Economist

PROPOSED PERSONNEL: Mary Ettling

FOLLOW-UP ACTIVITIES: Development of a setting-specific control plan of action and assistance with implementation.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 50

BY WHOM: _____	81	\$25,000.00
	82	
DATE: _____	TOTAL COST:	<u>\$25,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE T-4

BUREAU: LAC
 COUNTRY: Not yet selected
 DATE: BEGIN: TBD
 FIELD VISIT: TBD
 END: TBD

ACTIVITY MANAGER: P. Sullivan/HRD Person

TITLE OF ACTIVITY: Guidelines for Institutional Diagnosis for Sustainable Community-Based VBD Control

ORIGIN OF ACTIVITY: Proactive

AUDIENCE: VBC, Country District Public Health Officers

LOCATION: Central, LAC Country field test

OBJECTIVES: To develop the first in a series of three (3) tools that may be used to determine a community's ability to sustain a VBD control program.

SCHEDULE/ACTIVITY PLAN: 1) Develop guidelines to identify the following: local institutions with potential for VBDC; institutional resources required for VBDC; alternative control options and resource needs specific to each; the process for matching requirements to resources. 2) Guidelines draft to VBC. 3) Field test. 4) Revise and submit final product.

PERSONNEL/SKILLS REQUIRED: 1) Medical Anthropologist with ID experience. 2) Entomologist with VBDC experience.

PROPOSED PERSONNEL: 1) A. Gordon 2) J. Stivers

FOLLOW-UP ACTIVITIES: The development of a second set of guidelines for conducting a community diagnosis focused on individual participation and a third set for administrative diagnosis to address linkages between community, local institutions and national institutions.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 69

BY WHOM: _____	81	\$29,200.00
	82	
DATE: _____	TOTAL COST:	\$29,200.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE T-5

BUREAU: APRE
 COUNTRY: TBD
 DATE: BEGIN: TBD
 FIELD VISIT: TBD
 END: TBD

ACTIVITY MANAGER: R. Andre/A. Arata

TITLE OF ACTIVITY: VBDC needs assessment in an Asian country

ORIGIN OF ACTIVITY: Proactive (VBC)

AUDIENCE: S&T/H; USAID/TBD; MOH - TBD

LOCATION: Indonesia

OBJECTIVES: To determine the needs of the Ministry of Health in
 TBD to change from just the control of malaria to the
 prevention/control of vector-borne diseases in general.

SCHEDULE/ACTIVITY PLAN: Two-week field trip in TBD beginning 15
 September 1991.

PERSONNEL/SKILLS REQUIRED: Medical epidemiologist, Medical
 entomologist

PROPOSED PERSONNEL: TBD; Dr. Richard Andre

FOLLOW-UP ACTIVITIES: Develop an overall strategy with the MOH in
 TBD to control/prevent VBDs.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$35,000.00
DATE: _____	82	
	TOTAL COST:	<u>\$35,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE T-6

BUREAU: Global
 COUNTRY: U.S.
 DATE: BEGIN: TBD
 FIELD VISIT: TBD
 END: TBD

ACTIVITY MANAGER: R. Andre/P. Sullivan

TITLE OF ACTIVITY: White Paper: Case studies on community participation in VBD Control

ORIGIN OF ACTIVITY: Proactive (VBC)

AUDIENCE: USAID Missions, Bureaus; S&T/H; VBC; Subcontractors

LOCATION: Washington, D.C.

OBJECTIVES: To document the success and failures of community participation to control vector-borne diseases and suggest a strategy to build on the positive outcomes.

SCHEDULE/ACTIVITY PLAN: Consultant would come to Washington, D.C., for one month to access literature and to talk to individuals involved in past community projects for VBDC. Consultant would then return to home institution and spend 25 days on the analyses and paper preparation.

PERSONNEL/SKILLS REQUIRED: Social Scientist

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES: Assist AID and VBC in developing guidelines for instituting community control activities for VBDC.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$20,000.00
	82	
DATE: _____	TOTAL COST:	\$20,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE T-7

BUREAU: AFR
 COUNTRY: TBD
 DATE: BEGIN: TBD
 FIELD VISIT: TBD
 END: TBD

ACTIVITY MANAGER: Sullivan/Andre

TITLE OF ACTIVITY: Pre-Malaria Survey Planning and Organization

ORIGIN OF ACTIVITY: S&T/H proactive

AUDIENCE: MOH and USAID/TBD; S&T/H

LOCATION: One of several W. African countries to be selected.

OBJECTIVES: 1. To plan and organize clinic, school, and community surveys to determine malaria prevalence. 2. To conduct a start-up training workshop for expat. and national survey team members.

SCHEDULE/ACTIVITY PLAN: Planning, organization and field reconnaissance approximately 15 days in 1991 with host country counterparts and appropriate persons at survey sites. 2. Two-day team planning meeting in host country. 3. Three-day team training workshop.

PERSONNEL/SKILLS REQUIRED: 1. Epidemiologist 2. Entomologist

PROPOSED PERSONNEL: 1. P. Sullivan 2. R. Andre

FOLLOW-UP ACTIVITIES: Prevalence surveys in selected sites.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$20,000.00
DATE: _____	82	
	TOTAL COST:	<u>\$20,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE T-8

BUREAU: Africa
 COUNTRY: OCP Countries
 DATE: BEGIN: TBD
 FIELD VISIT: TBD
 END: TBD

ACTIVITY MANAGER: Sullivan/Andre

TITLE OF ACTIVITY: Surveillance Training in OCP Devolving Countries

ORIGIN OF ACTIVITY: OCP/Africa Bureau

AUDIENCE: OCP and member countries/ Africa Bureau/S&T/H

LOCATION: OCP member countries

OBJECTIVES: 1. To improve surveillance capabilities of host country onchocerciasis control institutions.

SCHEDULE/ACTIVITY PLAN: 1. Needs assessment of participating OCP countries. 2. Development of training module. 3. In-country training, monitoring and evaluation.

PERSONNEL/SKILLS REQUIRED: 1. Epidemiologist. 2. Data management specialist. 3. Vector biologist.

PROPOSED PERSONNEL: To be announced

FOLLOW-UP ACTIVITIES: Continued T.A. in support of host country institutionalization of surveillance capabilities.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$50,000.00
	82	
DATE: _____	TOTAL COST:	<u>\$50,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE T-9

BUREAU: AFR
 COUNTRY: To be selected
 DATE: BEGIN: TBD
 FIELD VISIT: TBD
 END: TBD

ACTIVITY MANAGER: P. Sullivan

TITLE OF ACTIVITY: Requirements for ivermectin distribution.

ORIGIN OF ACTIVITY: Tulane Proactivity

AUDIENCE: USAID/Host Country AFR/TR, and S&T/H

LOCATION: To be determined

OBJECTIVES: To determine the most cost effective method for distributing Ivermectin to control Onchocerciasis related blindness.

SCHEDULE/ACTIVITY PLAN: 1) Review existing data. 2) Hold briefing at VBC. 3) Establish comparative systems in country. 4) Collect and analyze data. 5) Complete report.

PERSONNEL/SKILLS REQUIRED: 1) Epidemiologist
 2) Logistics Specialist
 3) Community Health Specialist

PROPOSED PERSONNEL: B. Cline
 J. Koss
 Consultant

FOLLOW-UP ACTIVITIES: Test system in other countries.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 40

BY WHOM: _____	81	\$60,000.00
	82	
DATE: _____	TOTAL COST:	\$60,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE T-10

BUREAU: S&T/H
 COUNTRY: Global
 DATE: BEGIN: TBD
 FIELD VISIT: TBD
 END: TBD

ACTIVITY MANAGER: ID/HRD Specialist

TITLE OF ACTIVITY: Inventory of Organizations and Initiatives in Community Participation

ORIGIN OF ACTIVITY: Proactive

AUDIENCE: VBC, S&T/H

LOCATION: Washington, D. C.

OBJECTIVES: To develop a working list of NGOs in A.I.D.-assisted countries that are engaged in health-related community participation activities.

SCHEDULE/ACTIVITY PLAN: 1. Develop survey instrument and mailing list of community oriented NGOs. 2. Compile and analyze responses. 3. Identify activities related to the VBDC sector for follow-up.

PERSONNEL/SKILLS REQUIRED: 1. Institutional Development Specialist. 2. Community Development Specialist. 3. Research Assistant.

PROPOSED PERSONNEL: 1. VBC ID/HRD Specialist. 2. TBA. 3. Barbara Guynn.

FOLLOW-UP ACTIVITIES: Conduct site visits to successful community participation projects. Develop VBC strategy for community participation.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$15,000.00
DATE: _____	82	
	TOTAL COST:	<u>\$15,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE T-11

BUREAU: Global
 COUNTRY: TBD
 DATE: BEGIN: TBD
 FIELD VISIT: TBD
 END: TBD

ACTIVITY MANAGER: Sullivan/Andre

TITLE OF ACTIVITY: Epidemiological Evaluation of Malaria Surveillance

ORIGIN OF ACTIVITY: Collaboration with CTD/WHO

AUDIENCE: Global Malaria

LOCATION: TBD

OBJECTIVES: VBC is awaiting a formal proposal of collaboration from CTD/WHO: initial conversations (September 1990) proposed evaluating clinical vs. microscopic diagnosis in surveillance in areas of hyperendemicity in relation to type and quality of interventions carried out by malaria services.

SCHEDULE/ACTIVITY PLAN: TBD

PERSONNEL/SKILLS REQUIRED: TBD

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES: TBD

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$25,000.00
	82	
DATE: _____	TOTAL COST:	<u>\$25,000.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE T-12

BUREAU: LAC
 COUNTRY: Guatemala (or other
 in Central America
 DATE: BEGIN: TBD
 FIELD VISIT: TBD
 END: TBD

ACTIVITY MANAGER: Arata/Andre

TITLE OF ACTIVITY: Measurement of relapses of vivax malaria and implications for national control programs.

ORIGIN OF ACTIVITY: Proactive - USUHS Concept Paper

AUDIENCE: USAIDs and MOH in vivax affected countries

LOCATION: Guatemala or other Central American country

OBJECTIVES: To determine rate of vivax malaria relapses and implications for national control programs

SCHEDULE/ACTIVITY PLAN: Phase I - a) Initial activity should be an expanded concept paper or background paper to document previous work and observations on subject. Budget \$3,000 (USUHS). b) After discussions with missions for potential sites, one field visit should be made (2 people X 2 weeks) carrying out study. Budget - Guatemala TDY 2 persons X 2 weeks.

PERSONNEL/SKILLS REQUIRED: Clinical malariologist; Spanish speaking

PROPOSED PERSONNEL:

FOLLOW-UP ACTIVITIES: To be determined following conclusion of this phase.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$14,072.00
	82	
DATE: _____	TOTAL COST:	<u>\$14,072.00</u>

Annex 2. Requirements Contract

The VBC Project has an expanded capability to respond to specific Mission requests through a separate requirements contract. This recently developed contracting mechanism functions like an IQC in that it can only receive funds through PIO/Ts. However, unlike an IQC, the requirements contract can be used to provide services over a period of years, which may consist of a series of sequential tasks.

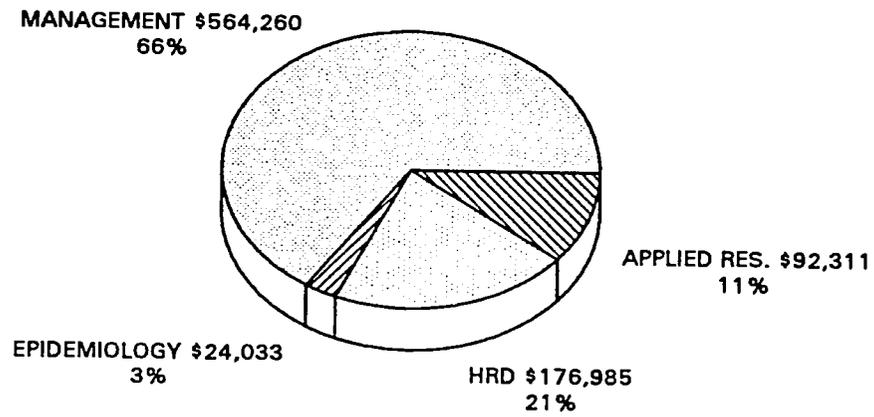
S&T/H has sent Missions and Bureaus a set of guidelines for processing "buy-ins." Additional copies are available on request from John H. Austin, S&T/H/CD.

Since the beginning of the VBC II, the Project has accepted \$857,589 to implement 16 buy-ins.

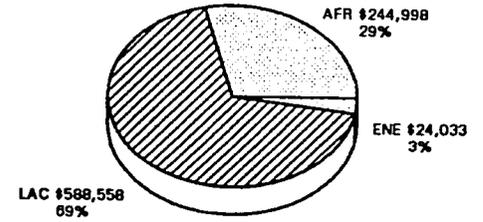
Requirements Contract Budget

Code	Title	Budget \$
025	LAC: Vector-Borne Disease Trend Analysis	10,000
084	Pakistan: Assessment of Spray Operations	24,033
088	Ecuador: Technical Assistance for Aedes/ Dengue Control	25,955
090	Ecuador: Technical Assistance to Malaria Control	119,836
091	Ecuador: Pilot Project for Integration of Malaria	29,319
094	Ecuador: TA for Malaria Control Program	15,895
150	Malawi: Economic Impact Analysis of Malaria	17,509
151	Malawi: Alternative Methods of Malaria Control and Training	48,341
152	Malawi: KAP Survey	39,192
153	Malawi: Review of Malaria IEC Materials	53,119
154	Malawi: Training and Curriculum Modification and Development	37,749
155	Malawi: Assessment of Antimalarial Drug Distribution	49,088
156	Bolivia: Phase I of Chagas' Control Pilot Project	32,510
157	Bolivia: Phase IIa of Chagas' Control Pilot	75,000
158	Bolivia: Phase IIb of Chagas' Control Pilot	75,000
159	Bolivia: Phase III of Chagas' Control Pilot	205,043
Total Requirements Contract		857,589

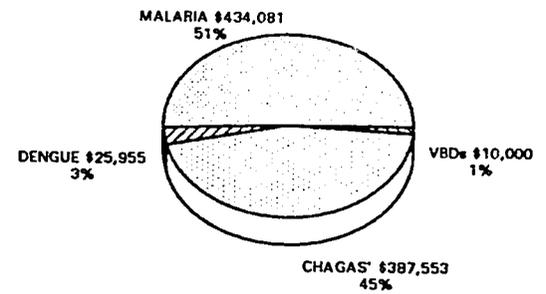
1991 REQUIREMENTS ACTIVITIES BY SECTOR



1991 REQUIREMENTS ACTIVITIES BY REGION



1991 REQUIREMENTS ACTIVITIES BY DISEASE



VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 025

BUREAU: LAC
 COUNTRY: Regional
 DATE: BEGIN: Sept 30, 1989
 FIELD VISIT: None
 END: Dec 31, 1992

ACTIVITY MANAGER: Arata/Lennox

TITLE OF ACTIVITY: LAC Vector Borne Disease Trend Analysis

ORIGIN OF ACTIVITY: LAC Buy-In, PIO/T 598-0657-3-9653400
PIO/T 597-0027-3-965330

AUDIENCE: LAC Bureau and Missions

LOCATION: Washington, D. C.

OBJECTIVES: To provide annual updates to the VBC/LAC Vector Borne Disease Analysis of trends in disease prevalence, financial impacts, expenditures and progress in regional control programs.

SCHEDULE/ACTIVITY PLAN: 1) Provide annual update for each of the three years. 2) Provide annual assessment of progress in program implementation.

PERSONNEL/SKILLS REQUIRED: 1) Medical Entomologist; 2) Parasitologist, 3) Computer analyst; 4) Research Assistant; and 5) Consultants

PROPOSED PERSONNEL: Drs. Arata, Lennox and Silverman. Barbara Gynn and consultants - TBD.

FOLLOW-UP ACTIVITIES: Development of a LAC Regional VBDC Strategy.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 59

BY WHOM: _____	81	
DATE: _____	82 (Annual)	\$10,000.00
	TOTAL COST:	\$30,000.00

VECTOR BIOLOGY AND CONTROL IIACTIVITY SHEET

FY 1990

CODE 084
Buy-InBUREAU: ANE
COUNTRY: Pakistan
DATE: BEGIN: 30 August 1990
FIELD VISIT: 5-28 September 1990
END: 1 November 1990ACTIVITY MANAGER: *AA* A. Arata/R. Andre

TITLE OF ACTIVITY: Assessment of Spray Operations in Pakistan

ORIGIN OF ACTIVITY: Reactive/USAID-Islamabad (11219) cable

AUDIENCE: Directorate of Malaria Control; GOP; USAID/Islamabad

LOCATION: Islamabad, Pakistan and the four provincial headquarters

OBJECTIVES: 1) Evaluate spray operations and safety in four provinces. 2) Assess reliability of mosquito resistance tests. 3) Summarize observations and analyses of objective 1 and 2 in a report.

SCHEDULE/ACTIVITY PLAN: Evaluation to begin on 7 September and end on 26 September; Agenda TBD.

PERSONNEL/SKILLS REQUIRED: Vector Control Specialist with experience in mosquito spray operations and resistance testing.

PROPOSED PERSONNEL:

FOLLOW-UP ACTIVITIES: Recommendations for future spray operations in the malaria control program in Pakistan.

S&T CONTACT: D. Carroll *dc*

APPROVED:

LEVEL OF EFFORT IN DAYS: 30

BY WHOM: <u><i>AW</i></u>	81	\$
DATE: <u>9/7/90</u>	82	<u>24,033.00</u>
	TOTAL COST:	\$ 24,033.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 088

BUREAU: LAC
 COUNTRY: Ecuador
 DATE: BEGIN: September 12, 1990
 FIELD VISIT: Sept. 15 - Oct. 5, 1990
 END: November 30, 1990

ACTIVITY MANAGER: Arata, A./R. Lennox

TITLE OF ACTIVITY: Technical Assistance for Aedes/Dengue Control Program

ORIGIN OF ACTIVITY: PIO/T 518-0049 USAID/Quito

AUDIENCE: USAID/Quito and MOH officials/GOE

LOCATION: Guayaquil

OBJECTIVES: To assist the MOH in improving Aedes control in the city of Guayaquil and urban areas in Esmeraldas and Manabi Provinces to reduce the recurrent outbreaks of dengue fever.

SCHEDULE/ACTIVITY PLAN: Mid-September - November 30, 1990

PERSONNEL/SKILLS REQUIRED: Medical Entomologist (2)

PROPOSED PERSONNEL: (A) Robert Tonn (B) D. Eliason

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll

APPROVED: *all*

LEVEL OF EFFORT IN DAYS: 37

BY WHOM: <i>[Signature]</i>	81	\$ 2,830.00
	82	<u>25,955.00</u>
DATE: <u>12/Sept 90</u>	TOTAL COST:	\$28,785.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 090

BUREAU: LAC
 COUNTRY: Ecuador
 DATE: BEGIN: September 10, 1990
 FIELD VISIT: Several (see below)
 END: February 28, 1991

ACTIVITY MANAGER: Arata, ^{all}A.

TITLE OF ACTIVITY: Technical Assistance to Ecuador Malaria Control 1990

ORIGIN OF ACTIVITY: PIO/T 518-0049

AUDIENCE: USAID/Quito and MOH/GOE

LOCATION: Guayaquil and locations on Pacific Coast of Ecuador

OBJECTIVES: In general to provide technical assistance for malaria and dengue control activities in Ecuador:

Activity A - T.A. to support a pilot study on integration of malaria control and the general health services of a province (Manabi).

Activity B - Field operations (training, quality control and field evaluation).

Activity C - Assistance to support and train SNEM in administrative and logistic procedures.

Activity D - T.A. for Aedes/dengue control program.

SCHEDULE/ACTIVITY PLAN: As listed on subsidiary activity sheets.

PERSONNEL/SKILLS REQUIRED: Various - See subsidiary activities.

PROPOSED PERSONNEL: As listed on subsidiary activity sheets.

FOLLOW-UP ACTIVITIES: To be determined

S&T CONTACT: D. Carroll ^{dc}

APPROVED: ^{all}
 BY WHOM: [Signature] LEVEL OF EFFORT IN DAYS: 167
 81 \$ 2,830.00
 82 119,836.00
 DATE: 12/Sept 90 TOTAL COST: \$122,666.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 091
Buy-in 518-0049BUREAU: LAC
COUNTRY: Ecuador
DATE: BEGIN: September 12, 1990
FIELD VISIT: Sept. 15 - Oct. 12, 1990
END: November 30, 1990

ACTIVITY MANAGER: Arata, A./R. Lennox

TITLE OF ACTIVITY: Pilot Project for Integration of Malaria Control with General Health Services/Manabi.

ORIGIN OF ACTIVITY: PIO/T 518-0049

AUDIENCE: USAID/Quito and MOH/GOE

LOCATION: Guayaquil and Manabi Province

OBJECTIVES: To assess the structures, interest and capabilities of the SNEM and MOH authorities in Manabi Province to integrate the malaria control activities with the general health services. To prepare a plan of action for the above.

SCHEDULE/ACTIVITY PLAN: Mid-September - November 30, 1990

PERSONNEL/SKILLS REQUIRED: Malariologists, Latin American Experience, Spanish Speaking

PROPOSED PERSONNEL: Dr. Jaime Ayalde and Dr. Julio Guerrero

FOLLOW-UP ACTIVITIES: To be determined

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS: 50

BY WHOM:

81
82

\$ - 0 -

29,319.00

DATE:

12/ Sept 90

TOTAL COST: \$29,319.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1990

CODE 094

BUREAU: LAC
 COUNTRY: Ecuador
 DATE: BEGIN: October 1, 1990
 FIELD VISIT: October 8, 1990 (45 days)
 END: January 30, 1991

ACTIVITY MANAGER: Arata, A. *[Signature]*

TITLE OF ACTIVITY: TA for Ecuador Malaria Control Program B. Field Operations

ORIGIN OF ACTIVITY: PIO/T 518-0049

AUDIENCE: USAID/Quito; SNEM/MOH/GOE

LOCATION: Guayaquil and Pacific Coast of Ecuador

OBJECTIVES: To analyze malaria control operations, including quality of spraying, transport of supplies, and; to develop and conduct courses in the field for retraining SNEM personnel.

SCHEDULE/ACTIVITY PLAN: Forty-five (45) days in the field (all operating zones on Pacific Coast): - detailed schedule to be prepared by USAID Long Term Advisor (Felipe Arellano) in Guayaquil and SNEM officials.

PERSONNEL/SKILLS REQUIRED: At least 10 years experience in supervising malaria field operations in Latin America; familiarity with program in Ecuador; and Spanish speaking.

PROPOSED PERSONNEL: Carlos Bobba Bonatti

FOLLOW-UP ACTIVITIES: None planned.

S&T CONTACT: D. Carroll

APPROVED: *[Signature]*

LEVEL OF EFFORT IN DAYS: 49

BY WHOM: <u><i>[Signature]</i></u>	81	\$
DATE: <u>9/27/90</u>	82	15,895.00
	TOTAL COST:	\$15,895.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 150

BUREAU: Africa
 COUNTRY: Malawi
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT: TBD
 END: Dec 31, 1991

ACTIVITY MANAGER: Sullivan

TITLE OF ACTIVITY: Economic Impact Analysis of Malaria

ORIGIN OF ACTIVITY: PIO/T No. 612-0231-3-00013

AUDIENCE: Malawi MOH, USAID/Malawi, S&T/H, CDC

LOCATION: Malawi

OBJECTIVES: To research and prepare a report that illustrates the present and future health and economic impact of malaria in Malawi.

SCHEDULE/ACTIVITY PLAN: The field visit will be coordinated with CDC long-term malaria advisor and AIDSTECH consultant assignment if possible.

PERSONNEL/SKILLS REQUIRED: Health Economist

PROPOSED PERSONNEL: VBC Consultant/M. Ettling

FOLLOW-UP ACTIVITIES: None planned.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$
DATE: _____	82	17,509.00
	TOTAL COST:	<u>\$17,509.00</u>

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 151

BUREAU: Africa
 COUNTRY: Malawi
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT: Feb 1- March 1, 1991
 Sept 1 - Oct 1, 1991
 END: Dec 31, 1991

ACTIVITY MANAGER: Sullivan

TITLE OF ACTIVITY: Alternative Methods of Malaria Control and Training

ORIGIN OF ACTIVITY: PIO/T No.: 612-0231-3-00013

AUDIENCE: Malawi MOH, USAID/Malawi, S&T/H, CDC

LOCATION: Malawi

OBJECTIVES: To assist with the design, implementation and institutionalization of a vector biology and control training course at Malawi CHSU.

SCHEDULE/ACTIVITY PLAN: Two field visits are associated with this activity and both are scheduled to occur in 1991.

PERSONNEL/SKILLS REQUIRED: Medical entomologist

PROPOSED PERSONNEL: VBC Consultant/P. Rossignal

FOLLOW-UP ACTIVITIES: None scheduled for 1992.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$
DATE: _____	82	<u>48,341.00</u>
	TOTAL COST:	\$48,341.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 152

BUREAU: Africa
 COUNTRY: Malawi
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT: 1st - TBD
 END: Dec 31, 1991

ACTIVITY MANAGER: Sullivan

TITLE OF ACTIVITY: KAP Survey

ORIGIN OF ACTIVITY: PIO/T No. 612-0231-3-00013

AUDIENCE: Malawi MCH, USAID/Malawi, S&T/H, CDC

LOCATION: Malwai

OBJECTIVES: To assist with development of methodology, sequential conduct of surveys and the final evaluation of surveys.

SCHEDULE/ACTIVITY PLAN: The first of two field visits will occur in 1991.

PERSONNEL/SKILLS REQUIRED: Medical Anthropologist

PROPOSED PERSONNEL: VBC Consultant/A. Fleuret

FOLLOW-UP ACTIVITIES: A second field visit in 1992.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$
	82	<u>39,192.00</u>
DATE: _____	TOTAL COST:	\$39,192.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 153

BUREAU: Africa

COUNTRY: Malawi

DATE: BEGIN: January 1, 1991

FIELD VISIT: Feb. 1 - March 1, 1991

END: December 31, 1991

ACTIVITY MANAGER: Sullivan/Andre

TITLE OF ACTIVITY: IEC: Review of Existing Materials and Implementation Options for Revised Malaria IEC Materials

ORIGIN OF ACTIVITY: PIO/T No: 612-0231-3-00013

AUDIENCE: Malawi MOH, USAID/Malawi, S&T/H, CDC

LOCATION: Malawi

OBJECTIVES: 1) Review existing country IEC materials. 2) Design and field test additional materials.

SCHEDULE/ACTIVITY PLAN: There are 3 separate field visits associated with this activity to be conducted in collaboration with CDC long term malaria advisor and short term consultant: 2/91, 11/91, and 6/92.

PERSONNEL/SKILLS REQUIRED: IEC Specialist

PROPOSED PERSONNEL: USUHS Subcontractor/I. Jacoby

FOLLOW-UP ACTIVITIES:

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$
DATE: _____	82	53,119.00
	TOTAL COST:	\$53,119.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 154

BUREAU: Africa
 COUNTRY: Malawi
 DATE: BEGIN: Jan 1, 1991
 FIELD VISIT: 1st - TBD
 2nd - Sept 1-15, 1991
 END: Dec 31, 1991

ACTIVITY MANAGER: Sullivan

TITLE OF ACTIVITY: Training: Curricula Modification and Development

ORIGIN OF ACTIVITY: PIO/T No.: 612-0231-3-00013

AUDIENCE: Malawi MOH, USAID/Malawi, S&T/H, CDC

LOCATION: Malawi

OBJECTIVES: To assess present training curricula at all levels of the MOH/HSD system and modify them, as appropriate, to meet objectives of new five (5) year National Plan of Action.

SCHEDULE/ACTIVITY PLAN: Two field visits associated with this activity are scheduled for 1991: the first is TBD, the 2nd is September 1991.

PERSONNEL/SKILLS REQUIRED: Health Educator

PROPOSED PERSONNEL: USUHS Subcontractor/B. Collins

FOLLOW-UP ACTIVITIES: A third field visit is scheduled for June 1992.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$
	82	37,749.00
DATE: _____	TOTAL COST:	\$37,749.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 155

BUREAU: Africa
 COUNTRY: Malawi
 DATE: BEGIN: Feb 1, 1991
 FIELD VISIT: March 1 - April 1, 1991
 END: May 31, 1991

ACTIVITY MANAGER: Sullivan

TITLE OF ACTIVITY: Operational Analysis: Assessment of Anti-Malaria Drug Distribution System

ORIGIN OF ACTIVITY: PIO/T No: 612-0231-3-00013

AUDIENCE: Malawi MOH, USAID/Malawi, S&T/H, CDC

LOCATION: Malawi

OBJECTIVES: 1) To assess overall efficiency of the anti-malarial distribution system. 2) To recommend ways to improve the system with attention to the operational potential of the private sector.

SCHEDULE/ACTIVITY PLAN: One of 3 visits is scheduled to occur in March 1991.

PERSONNEL/SKILLS REQUIRED: Medical Logistician

PROPOSED PERSONNEL: TBD

FOLLOW-UP ACTIVITIES: Two more field visits associated with this activity are scheduled for January 1992 and October 1992.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$
DATE: _____	82	49,088.00
	TOTAL COST:	\$49,088.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 156

BUREAU: LAC
 COUNTRY: Bolivia
 DATE: BEGIN: Oct 15, 1990
 FIELD VISIT: Oct - Dec 1990
 END: Oct 31, 1992

ACTIVITY MANAGER: Arata

TITLE OF ACTIVITY: Phase I of Chagas' Control Program Pilot Project

ORIGIN OF ACTIVITY: PIO/T #511-0594

AUDIENCE: USAID/LaPaz, MOH, CDC, Bureau

LOCATION: Bolivia

OBJECTIVES: Phase I objectives: To conduct an on-site TPM that will produce a plan of action for the overall pilot project that includes procedures for interagency collaboration and formulation of interventions.

SCHEDULE/ACTIVITY PLAN: Phase I is composed of SOW tasks 1, 2, 6, and 7: 1. Develop plan of action. 2. Coordinate collaboration groups and country donors. 6. Analyze existing data and review existing program. 7. Formulate interventions with insecticiding, housing improvement, community participation.

PERSONNEL/SKILLS REQUIRED: A total of 7 consultants are required that represent specialties in medical entomology, medical anthropology, epidemiology, environmental engineering, community participation and computers.

PROPOSED PERSONNEL: R. Tonn, J.C. La Plaza Lopez, J. Bastien, R. Hogrefe, M. Endsfieldz Camargo, R. Brieceno-Leon, and M. Wolfe.

FOLLOW-UP ACTIVITIES: Phases IIA, IIB, and III.

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$
	82	32,510.00
DATE: _____	TOTAL COST:	\$32,510.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 157

BUREAU: LAC

COUNTRY: Bolivia

DATE: BEGIN: Oct 25, 1990

FIELD VISIT: Early 1991 - EOP in 1992

END: Oct 31, 1992

ACTIVITY MANAGER: Arata

TITLE OF ACTIVITY: Phase II(a) of Chagas' Control Program Pilot Project

ORIGIN OF ACTIVITY: PIO/T #511-0594

AUDIENCE: USAID/LaPaz, MOH, CDC, Bureau

LOCATION: Bolivia

OBJECTIVES: Phase II(a) objectives are to strengthen epidemiologic, entomologic, HIS and laboratory capabilities as well as to implement interventions formulated in Phase I.

SCHEDULE/ACTIVITY PLAN: This phase will accomplish SOW tasks 3, 4, 5, 8, and 9: 3. Strengthen epidemiologic capability. 4. Strengthen laboratory capability. 5. Strengthen entomologic capability. 8. Strengthen health information systems to track project. 9. Correct and analyze new data.

PERSONNEL/SKILLS REQUIRED: Specialties represented in this phase are epidemiology, entomology, computerized HIS, and community development.

PROPOSED PERSONNEL: R. Tonn, M. Endsfieldz Camargo, J.C. LaPlaza Lopez, M. Wolfe, R. Brieceno-Leon

FOLLOW-UP ACTIVITIES: Phases II(b) and III

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$
DATE: _____	82	<u>75,000.00</u>
	TOTAL COST:	\$75,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 158

BUREAU: LAC
 COUNTRY: Bolivia
 DATE: BEGIN: Oct 25, 1990
 FIELD VISIT: Early 1991 - EOP in 1992
 END: Oct 31, 1992

ACTIVITY MANAGER: Arata

TITLE OF ACTIVITY: Phase II (b) of Chagas' Control Program Pilot Project

ORIGIN OF ACTIVITY: PIO/T #511-0594

AUDIENCE: USAID/LaPaz, MOH, CDC, Bureau

LOCATION: Bolivia

OBJECTIVES: Phase II (b) objectives will focus on eliminating chagas' from National blood supply.

SCHEDULE/ACTIVITY PLAN: SOW tasks 12 and 14 are included in this phase: 12. Develop mechanisms for eliminating chagas' from blood supply. 14. Improve blood banking capability.

PERSONNEL/SKILLS REQUIRED: Epidemiology and hematology are required specialists (the hematology specialist will not be provided by VBC).

PROPOSED PERSONNEL: M. Endsfieldz Camargo

FOLLOW-UP ACTIVITIES: Phase III

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$
DATE: _____	82	<u>75,000.00</u>
	TOTAL COST:	\$75,000.00

VECTOR BIOLOGY AND CONTROL II

ACTIVITY SHEET

FY 1991

CODE 159

BUREAU: LAC
 COUNTRY: Bolivia
 DATE: BEGIN: October 25, 1990
 FIELD VISIT: 2nd full year of project
 END: Oct 31, 1992

ACTIVITY MANAGER: ARATA

TITLE OF ACTIVITY: Phase III of Chagas' Control Program Pilot Project

ORIGIN OF ACTIVITY: PIO/T #511-0594

AUDIENCE: USAID/LaPaz, MOH, CDC, Bureau

LOCATION: Bolivia

OBJECTIVES: To evaluate pilot project results and to develop a project paper for a long-term control program.

SCHEDULE/ACTIVITY PLAN: This phase will accomplish tasks 11 and 13: 11. Evaluate and report results to pilot project. 13. Develop project paper for long-term program.

PERSONNEL/SKILLS REQUIRED: Epidemiology, medical entomology, computer HIS.

PROPOSED PERSONNEL: M. Endsfieldz Camargo, R. Tonn, J.C. LaPlaza Lopez

FOLLOW-UP ACTIVITIES: Long-term Chagas' control program

S&T CONTACT: D. Carroll

APPROVED:

LEVEL OF EFFORT IN DAYS:

BY WHOM: _____	81	\$
	82	<u>205,043.00</u>
DATE: _____	TOTAL COST:	\$205,043.00