

ACTION MEMORANDUM FOR THE ASSISTANT ADMINISTRATOR FOR AFRICA

FROM : AFR/DR, ^{jwKoehring} John W. Koehring

SUBJECT: Project Authorization Amendment - African Science Education Project (Project No. 698-0390)

Problem: Your approval is required to amend the subject project to authorize (1) additional funding in the amount of \$225,000 for selected program activities and extend the Project Assistance Completion Date (PACD) to December 31, 1981, thereby increasing the total authorized life of project funding to \$739,000; and (2) approve the negative determination of the attached IEE.

Discussion: A three-year Life of Project grant of \$360,000 was authorized on May 18, 1976 to the Science Education Program for Africa (SEPA), an African organization established to encourage and support the development of human and material resources for science education in African countries. On December 5, 1978, Amendment No. 1 to the Project Paper was approved, authorizing an extension of the SEPA Grant to December 31, 1979 and an increase in the amount of the grant to \$514,000.

The attached Amendment No. 2 to the Project Paper was reviewed and approved by the Project Committee on April 21, 1980. The amendment extends the life of the project for an additional two years from December 31, 1979, to December 31, 1981, and authorizes the obligation of \$225,000 in FY 1980 to support selected sub-activities being carried out by SEPA. These sub-activities include twelve one-year scholarships for training in curriculum development at Njala College, Sierra Leone; support for non-formal education programs for out-of-school youth; and the printing and dissemination of science education materials. The additional funding needed to support these activities raises the total authorized life of project funding to \$739,000. This project did not appear in the Congressional Presentation for FY 1980. A Congressional Notification, showing an intended obligation for FY 1980 in the amount of \$225,000 was sent to the Congress. The fifteen day waiting period expired on January 23, 1980.

Recommendation: That you (1) authorize an additional \$225,000 from FAA Section 105 (EHR) funds for a grant to continue activities under the African Science Education Program (698-0390) through December 31, 1981, thereby increasing LOP funding to \$739,000; (2) that you sign the attached Project Authorization; and (3) that you sign the Initial Environmental Examination (TAB A), thereby approving a negative determination.

Attachments:

1. Project Authorization
2. Initial Environmental Examination
3. Amendment No. 2 to Project Paper

Drafted: AFR/RA: ~~NWGreen~~ awb: 4/21/80: X28964

Clearances:

- AFR/RA: EGRuoff (Draft) _____
- AFR/RA: EDConroy (Draft) _____
- GC/AFR: EDragon (Draft) _____
- AFR/DR/EHR: WMwaffle (Draft) _____
- GC/AFR: GLeece (Draft) _____
- AFR/DR/SDP: BBoyd (Draft) _____
- AFR/DR/CAWARAP: MSpeers ms _____
- AFR/DR/CAWARAP: LBond LB _____
- AFR/DR: NCohen _____
- DAA/AFR: WHNorth WH _____

Approved LYB _____

Disapproved _____

Date 5/8/80 _____

PROJECT AUTHORIZATION

ENTITY: Science Education Program for Africa (SEPA)
PROJECT TITLE: African Science Education
PROJECT NO.: 698-0390

1. Pursuant to Section 105 of the Foreign Assistance Act of 1961, as amended, I hereby extend the African Science Education Project for the Science Education Program for Africa (SEPA) involving planned obligations of not to exceed \$225,000 in grant funds over a one year period from the date of authorization, subject to the availability of funds in accordance with the A.I.D. OYB/allotment process, to help in financing foreign exchange and local currency costs for the project.
2. The project will assist SEPA to improve the capabilities of select African countries to design, implement and evaluate science education programs that are relevant to Africa, particularly with respect to rural areas. A.I.D. financing will be utilized to assist the Science Education Training Program, the out of school Youth Program, the diffusion and dissemination of scientific and related information, and consultant services.
3. The funding authorized in paragraph 1, above, is in addition to funding authorized on May 18, 1976 (\$360,000) and on December 15, 1978 (\$154,000) - a total of \$514,000.
4. Goods and services financed under the project will be procured in accordance with SEPA's procurement system, and subject to the conditions set forth in the SEPA Grant Agreement of June 14, 1976.

Date: May 9, 1980

Goler T. Butcher
Goler T. Butcher
Assistant Administrator
for Africa

memorandum

DATE: April 7, 1980

REPLY TO
ATTN OF: AFR/DR/CAWARAP, Laurance W. Bond

SUBJECT: Project Paper Amendment for the African Science Education Program (SEPA)

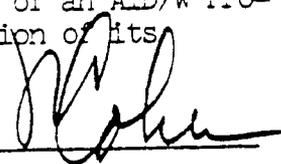
TO: AFR/DR, John W. Koehring

A Project Paper amendment for the African Science Education Program (SEPA) has been received from RA. A DR Project Committee needs to be established to review this document. Your approval to the following nominations to such a committee is hereby requested.

Project Committee Membership:

Project Chairperson: AFR/DR/CAWARAP, Laurance W. Bond
 Project Officer : AFR/DR/CAWARAP, Michael F. Speers
 General Council : GC/AFR, Gail Leece
 Technical Officers: AFR/DR/EHR, Frank Moore
 AFR/DR/SDP, Bessie Boyd
 AFR/RA, Norman Green

Recommendation: That you approve the establishment of an AID/W Project Committee for subject project and the designation of its membership as set forth above.

Approved 

Disapproved _____

Date 4/7/80

Clearances:

Norman Cohen
 Deputy Director for Project Division, AFR/DR 

Lawrence Heilman, Deputy Director for
 Technical Divisions, AFR/DR 

cc: Project Committee Members



Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

AGENCY FOR INTERNATIONAL DEVELOPMENT

PROJECT DATA SHEET

1. TRANSACTION CODE

A = Add
 C = Change
 D = Delete

Amendment Number
2

DOCUMENT CODE
3

2. COUNTRY/ENTITY
Africa Regional

5. PROJECT NUMBER

698-0390

4. BUREAU/OFFICE

Bureau for Africa

6. PROJECT TITLE (maximum 40 characters)

African Science Education Program

6. PROJECT ASSISTANCE COMPLETION DATE (PACD)

MM DD YY

7. ESTIMATED DATE OF OBLIGATION

(Under 'B.' below, enter 1, 2, 3, or 4)

A. Initial FY 7 6

B. Quarter 2

C. Final FY 8 0

8. COSTS (\$000 OR EQUIVALENT \$1 =)

A. FUNDING SOURCE	FIRST FY			LIFE OF PROJECT		
	B. FX	C. L/C	D. Total	E. FX	F. L/C	G. Total
AID Appropriated Total	-	66	66		739	739
(Grant)	(-)	(66)	(66)	()	(739)	(739)
(Loan)	()	()	()	()	()	()
Other U.S. 1.						
Other U.S. 2.						
Host Country						
Other Donor(s)						
TOTALS		66	66	-	739	739

9. SCHEDULE OF AID FUNDING (\$000)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	C. PRIMARY TECH. CODE		D. OBLIGATIONS TO DATE		E. AMOUNT APPROVED THIS ACTION		F. LIFE OF PROJECT	
		1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan
(1) EH	600	620		514	-	225	-	739	
(2)									
(3)									
(4)									
TOTALS									

10. SECONDARY TECHNICAL CODES (maximum 6 codes of 3 positions each)

11. SECONDARY PURPOSE CODE

12. SPECIAL CONCERNS CODES (maximum 7 codes of 4 positions each)

A. Code

B. Amount

13. PROJECT PURPOSE (maximum 480 characters)

To improve the capabilities of select African countries through their membership in or association with the Science Education Program for Africa (SEPA), to design, implement, and evaluate science education programs that are relevant to the African context.

14. SCHEDULED EVALUATIONS

Interim MM YY MM YY Final MM YY
0 9 7 9 0 9 8 1

15. SOURCE/ORIGIN OF GOODS AND SERVICES

000 941 Local Other (Specify)

16. AMENDMENTS/NATURE OF CHANGE PROPOSED (This is page 1 of a page PP Amendment)

- a. To amend Project Paper dated May 18, 1976 (as amended) to extend the project to December 31, 1981.
- b. To provide additional funding for two years for selected program activities.
- c. To increase life of project total.

17. APPROVED BY

Signature

E. Dennis Conroy

Title

Director, AFR/RA

Date Signed

MM DD YY
0 3 2 1 8 0

18. DATE DOCUMENT RECEIVED IN AID/W, OR FOR AID/W DOCUMENTS, DATE OF DISTRIBUTION

MM DD YY
1 2 2 6 7 9

PROJECT PAPER AMENDMENT NO. 2

Science Education Program for Africa (SEPA)

Project No. 698-0390

PART I - SUMMARY AND RECOMMENDATIONS

A. Grantee and Executing Agencies. The grantee will be the Science Education Program (SEPA), an inter-African organization administered by a Secretariat which has headquarters in Accra, Ghana. The primary executing agencies will be the ministries and organizations selected by the fourteen member countries and who will assist in the implementation of SEPA activities and sub-activities in the concerned countries. The SEPA Secretariat will control the funds, implement the various sub-activities and perform periodic evaluations. Carnegie Corporation is in the process of finalizing an in-depth evaluation of this project. The results of that evaluation will be available o/a April 30, 1980 and will cover activities of this project and related projects since FY 1960.

1. An additional grant in the amount of \$225,000 commencing in FY 1980 is authorized to SEPA for the support and execution of the various sub-activities described in Part II.B of this Project Paper Amendment. The total SEPA and other donor contribution to the project will amount to the U.S. dollar equivalent of \$475,000 (39% of the total project cost). (See summary of project costs, Part IV.B and the budget contained in Annex A of this Project Paper Amendment.)

2. The following are the recommended sub-activities which the funds provided by this Amendment will cover beginning in January 1980 and terminating February 1981.

- a. Assistance to Science Education Training Program - \$59,160
- b. Out of School Youth Program - \$92,265
- c. Diffusion and Dissemination - \$51,575

Consultants to support the above activities are to be provided (\$22,000).

B. Summary Description of the Project. The goal of the project is to assist SEPA to improve the capabilities of select African countries to design, implement and evaluate science education programs that are relevant to Africa, particularly the rural areas. Since the inception of the project, SEPA has been a major influence in updating the methods of teaching science in Anglophone Africa. SEPA has had a major influence in persuading those African countries where sub-activities have been conducted in the past to localize their science teaching curricula thereby increasing the possibility of local acceptance. This additional grant will permit SEPA to continue with these successful activities.

PART II - Description of the Project

A. Description of the Project. The goal of the project is to provide the populations of select African countries with a more relevant basic education in science. This project has made a significant impact upon this goal during the FY 1976-79 period through assistance to the Secretariat and the four key program activities of the Science Education Program for Africa (SEPA). SEPA is an African organization consisting of fourteen member countries with a secretariat located in Accra, Ghana. AID is one of six donor contributors to SEPA.* The administrative costs of SEPA are the responsibility of the participating African countries. Its work is facilitated through the Secretariat and an Executive Committee and Representative Council which function as the main link between the Secretariat and the member states.

In FY 1976, AID authorized a grant of \$360,000 to accomplish the following purposes:

1. training science educators to serve as instructors in teacher training colleges and teachers' centers;
2. teach youth the basic skills and knowledge to generate self-employment in rural areas;
3. produce case studies and suitable educational materials for use in developing environment-based programs and out-of-school education of youth; and
4. disseminate and diffuse SEPA educational methods and materials to target population.

B. Purpose of Amendment. A review of the project was held on November 20, 1979 and it was determined that SEPA performance under the original AID grant was proceeding satisfactorily and that the goals and objectives outlined in para A above were being accomplished. The activities of the original AID grant were scheduled to terminate on December 31, 1979 but SEPA has requested funding for an additional two years. This amendment is intended to extend the life of project funding by providing continued support for selected African Science Education Programs (SEPA) activities through FY 80 and 81, at which time support will be phased out. The overall goal of this project remains unchanged. However, A.I.D. has phased out partial support to the Secretariat, which was provided in the original project paper, as member countries' assessments and contributions now cover the full costs. This amendment (\$225,000) increases the LOP funding from the previously authorized level of \$514,000 (FY 1976-1979) to \$739,000 (through FY 1980). This additional money will be used to support the following sub-projects and activities being conducted under the project by SEPA.

*Other contributors to SEPA's financial support are: Carnegie Corporation, Ford Foundation, UNESCO, UNICEF, the British Council, and the fourteen African member states.

1. Assistance to Science Education Training Program - Proposed \$59,160
Under the PP amendment, AID support for this sub-activity will include providing fellowships to a total of 12 students (six per year during the FY 1980-81 period) in the Curriculum Development Unit at the Faculty of Education, Njala College, Sierra Leone.

2. Out of School Youth Program - Proposed \$92,265: Funds for this sub-activity will be used to provide support for case studies (\$35,100), adult education (\$22,125), writing workshops (\$22,040) and evaluation (\$13,000). During the FY 1980-81 period covered by this amendment, the emphasis will be on more involvement of those persons employed in the agricultural sector, as well as those in adult education and community development institutions.

3. Diffusion and Dissemination - Proposed \$51,575: AID's continued assistance to this activity will be to strengthen and further develop the sources of information at the Secretariat in Accra, Ghana. Funds will support the editing, printing and production of a multimedia package and provide funding for handbooks, source books and other materials used to disseminate approaches to the philosophy of education among the member countries. Country workshops also will be held to insure that this information is disseminated on a systematic basis to targeted populations.

4. Consultants to support the above activities are provided at \$22,000. The goal of the overall project is to provide the populations of select African countries with a more relevant basic education in science. The Secretariat has, over the past four years, contributed to the realization of this goal. Through their membership in or association with SEPA, many African countries now have the capability to design, implement and evaluate science education programs that are more relevant in the African context.

Amendment #1 signed on November 30, 1978, provided an additional \$154,000 but the original goals, purposes and the sub-activities supported under the original project were left unchanged.

C. Background and Progress to Date. During the past phases of the project, SEPA has been a major influence in updating the methods of teaching science in the Anglophone areas of Africa. For example, a "Teacher-Trainer" handbook, which introduces a broad range of new classroom approaches for teaching science, has been introduced and is in use in eight SEPA member countries. AID has contributed to various SEPA sub-activities in the past. These activities are detailed below.

1. Secretariat - The Secretariat is headquartered in Accra, Ghana and consists of an Executive Secretary, a Representative Council, an Executive Committee, and its administrative staff.

During the past four years SEPA had demonstrated its administrative effectiveness by its motivation to seek and its success at obtaining and properly managing external support. Currently, SEPA is implementing nine or more science education programs which are or have been supported by member countries and seven international organizations. SEPA continues to seek support from these organizations and from other potential donors.

AID no longer provides support to the Secretariat but now seeks to augment the expertise and functions of its professional staff to monitor those programs which require special attention, i.e., teacher training; materials development; concept formation in the African child and educational development. Financial support was provided by SEPA during Phases I and II of the project for short-term consultants (drawing heavily upon those African experts and specialists who have worked with SEPA in the past). Consultants also assisted SEPA in developing materials for the French speaking countries.

2. Science Education Training Program - The purpose of this sub-activity was to provide science educators who have been trained in the SEPA methodology/ materials and who could significantly influence local science education curricula in the particular SEPA member country. SEPA initiated a pilot training course during the January-September 1975 period at the Njala campus of the University of Sierra Leone, involving nine participants from eight member countries. The program was later enlarged to include: (a) establishment of an inter-African Center for Science Education (ICSE) at the University of Sierra Leone for training and research in curriculum development/implementation; (b) establishment of a consultancy fund at the Secretariat to fund supplementary staff whose stated task was to give the program an international perspective; and (c) establishment of additional staff positions at the Secretariat in Accra.

A.I.D.'s contribution to this program during the FY 77-79 period included: (a) the Director's salary (housing and travel), and (b) participant costs and travel (a minimum of 10 participants for nine months). The German Foundation for International Development (DSE) and the Commonwealth Fund for Technical Cooperation (CFTC) have been giving fellowships to some of the participants and these contributions are expected to continue. To date, a total of 42 students have been trained and have been placed in development centers, the teacher centers and the teacher training colleges in various African countries.

3. Out-of-School Youths - This is a relatively new sub-activity, beginning only in FY 1977. Its primary focus is aimed at developing knowledge and skills of urban and rural youths in such areas as basic farming techniques and non-farming repairs and maintenance. This program also provides on-the-job training using craftsmen, artisans, cooperative managers and other entrepreneurs from member countries.

During the initial stages of the project, this activity focused on workshops to produce resource materials using resource people from SEPA member countries. The purposes of the workshops were to prepare mainly from case studies, appropriate prototype student/teacher training materials and the production of manuals for use by change agents in the areas of agriculture, health, and nutrition. These workshops were attended by about 12 to 20 people including the case study leaders, agriculture extension agents, trainers and other resource people. A.I.D. assistance during the FY 1977-79 period provided full support for this activity including travel, allowances and administrative support for planning workshops, materials, development workshops, writers' workshops and the Director's salary and travel expenses.

4. Diffusion and Dissemination - This new sub-activity started in FY 1979. Its purpose is to increase and sustain SEPA's efforts by making sure its message reaches the relevant institutions on the African continent, including those institutions located

in countries which are not members of SEPA. More specifically, this is a deliberate attempt by SEPA to disseminate its philosophy of education to several areas and schools for adaptation and/or adoption. SEPA feels that without this type of activity, the materials produced and the ideas generated by SEPA would not reach, on a systematic basis, the target population. A.I.D. assistance to this sub-project during its initial phases included: financial support for representative council meetings and workshops for the purpose of production of booklets, newsletters, in addition to some inter-personal communication activities. Currently, with support from A.I.D., UNESCO and UNDP, SEPA is developing a prototype of instructional material in a multimedia package. This package contains manuals, film strips, slides and evaluative instruments. The material in each package is centered on food or water and is available in both English and French. These materials will be replicated for schools to test them for applicability.

D. Environmental Impact - As stated in the original PP document, this project will not have any negative environmental impact. The activities to be funded during the period covered by this amendment (see para B of this amendment) do not demonstrate any change needs to be made in the PP original determination.

E. Project Financial Plan - The financial plan for the part of the project covered by this PP amendment is to make a \$225,000 Grant to SEPA extending certain program activities detailed in paragraph B above for an additional two year period (see Annex A for FY 1980-81 budget). No matching formula is set, but it is expected that SEPA and the member countries will continue to invest budgetary resources in these activities. While much of the budget inputs will be in the form of "in-kind" contributions such as staff services, office space, furniture and equipment, etc., the SEPA organization as well as other donors will be absorbing some of the actual project costs during the next two years.

The following are the financial and other inputs provided by A.I.D., host countries and other donors to support this project for the next two year period:

1. A.I.D.	\$225,000
2. Host Countries (14)	35,000
3. Other Donors (5)	440,000

The 14 SEPA member countries will contribute approximately \$35,000 to administrative support for the secretariat in addition to some technical assistance. The University of Ibadan, Nigeria will provide facilities and technical assistance.

SEPA will also continue to earn money from selling some learning materials which are produced and distributed by the Secretariat. A.I.D.'s contribution of \$225,000 under this amendment represents about one-third of SEPA's total budget for the FY 80-81 period.

F. Implementation Planning

1. Administrative Arrangements

- a. Recipient - SEPA is the grantee and has overall management responsibility for the implementation of project activities. A Grant Agreement with SEPA describes the responsibilities of the organization regarding four activities:

- (1) The administrative and professional staff of SEPA, consisting of the Executive Secretary, the Assistant Program Officer, the fiscal officer and clerk typist, are responsible for implementing the portion of the Grant Agreement that deals with SEPA headquarters support.
- (2) SEPA will continue its responsibility for the Teacher Training Materials Development activity, supervise and monitor progress, provide professional expertise, evaluate progress, manage and implement sub-activities in accordance with the Grant Agreement.
- (3) SEPA controls the funds, plans, implements and evaluates the Science Education Resident Training program sub-activity.
- (4) Administration of the budget for the Out-of-School Youth Program will be the responsibility of SEPA. SEPA also provides the professional guidance to member countries in the planning of the sub-activities that are to be carried out in various African communities during the period covered by this amendment.

Based on project monitoring and periodic visits to the field by AFR/RA personnel it has been concluded that SEPA has the demonstrated capacity to implement on-going A.I.D. and other donor supported activities has been adequate during the initial phases of the project. SEPA is fully capable of implementing the sub-activities which AID will partially finance during the period covered by this amendment.

b. A.I.D.

The Office of Regional Affairs, Bureau for Africa, represents AID/W in the management of this project. This management is done by requiring the implementing agency to submit periodic and special reports, and periodic visits by AFR/RA personnel to activity and sub-activity sites in the various countries. A.I.D. disbursements methods are described in the Grant Agreement. The Controller, USAID/Ghana, will provide assistance in providing project disbursements to SEPA and will make the financial reports requested by AID/W.

2. Activity

Amended Project Paper Approved	4/80
Grant Prepared/Approved AID/W.	4/80
Grant Approval SEPA - Funds Obligated	4/80

Resident Training Course

Extend invitations to participating governments to send participants	4/80 - 2/81
Course begins	10/80 - 10/81
Course Ends	6/81 - 6/82
Certificates awarded by University	7/81 - 7/82

Out-of-School Project

Seminars (Adult Educators) begins	7/80
ends	7/80
Materials Develop. Workshops begins	10/80
ends	10/80
Writers Workshop (2 weeks) begins	7/81
ends	7/81
begins	10/81
ends	10/81

3. Evaluation Plan - Over the next two-year funding period, evaluations will be performed routinely by AID/W in conjunction with USAID/Ghana and SEPA according to schedule established in the original Project Paper (PP). However, SEPA is currently undertaking a full 20-year (1960-1980) project review funded by Carnegie Corporation, N.Y., N.Y. which is scheduled to culminate in a five-day review conference to be held in Gaborone, Botswana, May 20-25, 1980. Because A.I.D. has been involved with preliminary phases and plans to continue its involvement through the review conference, the review report, with modification, may be used as the basis for an Agency evaluation. Meanwhile, the grantee is required to submit semi-annual progress reports to AID/W and annual appraisal reports will be prepared by AID/W, reflecting grantee performance. Periodic visits will also be made to project sites to review project operations, and enable AFR/RA to perform a monitoring role.

ANNEX A

SCIENCE EDUCATION PROGRAMBudget

	Original (5/18/76-9/30/79) Amended 1/30/78	Present Amendment 1/1/80- 12/31/81	Current Total 7/2/76- 12/31/81
<u>I. Secretariat</u>	<u>\$147,028</u>		<u>\$147,028</u>
<u>Executive Secretary</u>	<u>41,804</u>	-	<u>41,804</u>
Salary and Fringes	27,700	-	27,700
Housing	8,438	-	8,438
Travel	5,666	-	5,666
<u>Program Director</u>	<u>103,224</u>	-	<u>103,224</u>
Salary and Fringes	60,559	-	60,559
Housing	18,375	-	18,375
Travel and moving costs	24,290	-	24,290
<u>Other Costs</u>	<u>2,000</u>	-	<u>2,000</u>
Professional literature	2,000	-	2,000
<u>II. Representative Council Meeting</u>	<u>23,772</u>		<u>23,772</u>
<u>III. Teacher Training Material Development</u>	<u>29,667</u>	-	<u>29,667</u>
<u>Director</u>			
Salary	3,640	-	3,640
Travel	2,400	-	2,400
Printing of TTMD Materials	10,320	-	10,320
Writers of Workshop	7,100	-	7,100
Funding of Resource personnel for in-country workshops	5,000	-	5,000
Other costs	1,207	-	1,207
<u>IV. Science Education Training Program</u>	<u>190,758</u>	<u>59,160</u>	<u>249,918</u>
<u>Director</u>	<u>86,678</u>	-	<u>86,678</u>
Salary and Fringes	60,803	-	60,803
Housing	15,375	-	15,375
Travel	10,500	-	10,500
<u>Participant Expenses -12 participants*</u>	<u>104,080</u>	<u>59,160</u>	<u>163,240</u>
Travel	21,200	12,000	33,200
Accommodations	52,059	29,160	81,219
Other costs	30,821	18,000	48,821
<u>V. Out of School Youth Program</u>	<u>118,151</u>	<u>92,265</u>	<u>210,416</u>
<u>Meeting - 15 participants</u>	<u>118,151</u>	-	<u>118,151</u>
Other costs	14,754	-	14,754
Workshop materials development	22,494	-	22,494
*Six per year during FY 1980/81 period	20,140	-	20,140

ANNEX A (continued)

Participating Travel	21,886	-	21,886
Accommodation	23,209	-	23,209
Other costs	15,668	-	15,668
<u>Case Studies workshops</u>	-	<u>35,100</u>	<u>35,100</u>
Travel	-	<u>14,400</u>	<u>14,400</u>
Accommodation	-	13,200	13,200
Other costs	-	7,500	7,500
<u>Adult Education</u>	-	<u>22,125</u>	<u>22,125</u>
Travel	-	13,500	13,500
Accommodation	-	4,125	4,125
Other costs	-	4,500	4,500
<u>Writing Workshops</u>	-	<u>25,040</u>	<u>25,040</u>
Travel	-	<u>10,800</u>	<u>10,800</u>
Accommodation	-	9,240	9,240
Other Costs	-	5,000	5,000
<u>Evaluation</u>	-	10,000	10,000
VI. <u>Diffusion and Dissemination</u>	<u>15,200</u>	<u>51,575</u>	<u>66,775</u>
Travel	6,400	9,000	15,400
Materials	800	20,000	20,800
Workshops	8,000	16,000	24,000
Other costs	-	6,575	6,575
VII. <u>Consultancy</u>	-	<u>22,000</u>	<u>22,000</u>
Consultant Fees	-	16,000	16,000
Travel	-	6,000	6,000
<u>TOTAL</u>	<u>524,576</u>	<u>225,000</u>	<u>749,576</u>

ANNEX B

Women in Development

Present SEPA policy makes no special mention about insuring the participation of women, but the record shows that it is committed to and has encouraged the participation of women in all SEPA activities taking place in the member countries. While the role of women in the SEPA project is dependent on the policies and human resources of the individual countries, the results of initial project activities indicate that women are fully integrated into all aspects of the SEPA programming. For example: of approximately twenty (20) staff members in the SEPA Secretariat in Accra, six are women - meaning 30 percent. The last SEPA Director at the Secretariat was a woman. Programnatically women are also involved in several SEPA activities which are being conducted in the member countries. These activities were designed specifically by and for women. In Southern Africa in the countries of Botswana, Lesotho and Swaziland (BLS) ten (10) of twelve (12) of the student teachers involved in the teacher training program are women. Seven (7) of eight (8) of the teacher evaluators in the same BLS countries are also women.

INITIAL ENVIRONMENTAL EXAMINATION

Project Location: Africa Regional
Project Title: African Science Education Program,
Project 698-0390
Funding (Fiscal Year and Amount): FY 80 - \$225,000
IEE Prepared By: AFR/RA
Environmental Action Recommended: Negative Determination
Concurrence: E. Dennis Conroy
E. Dennis Conroy
Director, AFR/RA 4/23/80

Assistant Administrator's Decision:

Approved: 1/28/80 Date 5/9/80

Disapproved: _____ Date _____

AFR/RA:NWGreen (Draft)
GC/AFR:EADragon(Draft)
AFR/RA:EGRuoff (Draft)
AFR/DR:BBoyd (Draft)

I. Examination of Nature, Scope and Magnitude of Environmental Impacts

A. Description of Project.

This project authorizes a grant to the Science Education Program for Africa (SEPA), an African organization which coordinates and supports activities to improve science instruction in fourteen African countries. Amendment 2 to the Project Paper authorizes an extension of the original grant in order to provide funds for twelve scholarships at Sierra Leone's Njala College; support for science programs for out-of-school youth; and to print and disseminate instructional materials. Project activities are implemented by SEPA's secretariat in Accra, Ghana and by Ministries of Education and other organizations in SEPA's member countries.

B. Identification and Evaluation of Environmental Impacts

The project will have no harmful effects on the environment. All project activities are in the nature of training, workshops, consultations, materials preparation, and printing and distribution of publications.

II. Recommendation for Environmental Action

The AID Environmental Procedures in Section 216.2 provide that Environmental Impact Statements and Environmental Assessments will not normally be required for education or training programs not designed to result in activities directly affecting the environment; controlled experimentation; analyses, studies, academic or investigative research, workshops and meetings. A Negative Determination is appropriate.