

1. SUBJECT CLASSIFICATION	A. PRIMARY Serials AP10-0000-G100	
B. SECONDARY	Food production and nutrition--Water resources and management-- Africa	

2. TITLE AND SUBTITLE
 Savanna regional water resources and land use project; progress report, Jan.-March 1979

3. AUTHOR(S)
 (101) Tippetts-Abbett-McCarthy-Stratton, Engineers and Architects, New York

4. DOCUMENT DATE 1979	5. NUMBER OF PAGES 17p.	6. ARC NUMBER ARC AFR 333.91096.T595h-1/1979
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7. REFERENCE ORGANIZATION NAME AND ADDRESS
 TAMS

8. SUPPLEMENTARY NOTES (*Sponsoring Organization, Publishers, Availability*)
 (Activity summary)

9. ABSTRACT

10. CONTROL NUMBER PN-AAG-642	11. PRICE OF DOCUMENT
12. DESCRIPTORS Water resources Hydrology Land use West Africa Central Africa	13. PROJECT NUMBER 698041500; 625071200
Information centers Information dissemination	14. CONTRACT NUMBER AID/afr-C-1041
	15. TYPE OF DOCUMENT

AFR
333.7
B 989
Jan.-Mar.
1979.

PN-AAG-642

SEMI-ANNUAL REPORT NO. 12

January 1 – March 31, 1979

CONTRACT AID/afr-C-1041

Technical Assistance to

**INTERAFRICAN COMMITTEE FOR
HYDRAULIC STUDIES (C.I.E.H.)
B.P. 369
OUAGADOUGOU, UPPER VOLTA**

**SAVANNA REGIONAL WATER RESOURCES
AND LAND USE PROJECT**

**Project No. 698-0415
(formerly 625-0712)
and Project No. 625-0926**

TAMS
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INTRODUCTION

PROJECT GOAL

The over-all goal to which this project is to contribute is

"the rational development of water resources in the West African Savanna region as required for agricultural development, human and animal consumption, and with due consideration for the ecological effects of such development".

(From: USAID Noncapital Project Paper (PROP),
submitted March 17, 1972)

PROJECT PURPOSE

The purpose of this project is

"to assist CIEH, an African organization based in Ouagadougou, concerned with water resource development, to develop the capacity to analyse regional water requirements and formulate an action program to meet them, and to serve as central dissemination agent for water related information."

(From: Amendment No. 4 to the Grant Agreement
between USAID and CIEH, May 14, 1976)

SCOPE OF WORK

The scope of work charged to TAMS calls for this firm

"to provide the professional staff and related services to assist CIEH establish at its headquarters:

1. A documentation center, by providing:
 - a. assistance with the planning of, and procurement of equipment for said center;
 - b. for the institution of systems to acquire, process and disseminate documents pertaining to hydrology, land use, and other directly related information;
 - c. on-the-job and overseas training for CIEH staff, including programming and arrangements for the Participant Training of two documentalists, to be provided by CIEH, in either the United States or Canada for approximately eighteen months of service each.
2. A planning office, by providing:
 - a. assistance with the planning of and procurement of equipment for said office;
 - b. for the development of techniques to obtain, evaluate and synthesize documents and information for the Savanna region in order to identify gaps in information and specify proposals for further studies;

- c. detailed studies of regional surface and ground water resources and land use/cover maps upon which CIEH and member states can develop future action plans and specific project proposals for submission to donor organizations;
- d. on-the-job and overseas training for CIEH staff; including the programming and arrangements for the Participant Training of two hydrologists, an assistant hydrologist, and a land-use specialist, to be provided by CIEH, in either the United States or Canada for approximately twelve months service each".

(From: Modification No. 13 of the Contract
between USAID and TAMS, ,
October 31, 1978)

PROJECT PROGRESS

PROJECT FUNDING

During the report period no further Amendments to the Grant Agreement between USAID and CIEH were signed.

Only one Modification of the Contract between USAID and TAMS was signed:

Modification No. 15 (March 9, 1979), to delete the 15% ceiling on the flexibility between budget line items.

STAFF

TAMS staff permanently assigned to the project:

Dr. John Buursink, Project Manager	Jan 1 - Apr 2
Mr. James Robertson, Hydrologist Planner	Jan 1 - Jan 8

CIEH counterpart staff assigned to the project:

Mr. Ali Krissiamba, Documentalist	Jan 1 - March 31
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TAMS staff supporting the project in New York on part-time basis:

Ms. Sara Guthrie, Project Coordinator	Jan 1 - March 31
Mr. Robert Koester, Documentalist	Jan 1 - March 31
Mr. Domingo Isasi-Diaz, Chief Draftsman	Jan 1 - March 31

TAMS staff participating in the project in Ouagadougou on TDY basis:

Mr. Jean Claude Henry, Hydrologist Planner	Jan 1 - Jan 20
	Feb 19 - March 14
Ms. Emily Candelmo, Documentalist	Jan 23 - March 19

Cooperating Country Nationals assigned to the project by CIEH/AID:

Ms. Bintou Maïga, Secretary	Jan 1 - March 31
Mr. H.B. Minoungou, Equipment Operator	Jan 1 - March 31
Ms. G.A. Ouédraogo, Library Assistant	Jan 1 - March 31
Ms. A.W. Ouattara, Library Assistant	Jan 1 - March 31
Mr. Y.J. Azoungoungou, Chauffeur/Messenger	Jan 1 - March 31
Mr. Peter Wright, Technical Assistant	Jan 1 - March 31

WORK PROGRESS

The Technical Services provided by TAMS to the Savanna Project terminated on March 31, 1979.

Technical reports produced by the CIEH Planning Office in its work on the Savanna Region of West and Central Africa are as follows:

- Volume 1. Savanna Resources - Report
- Volume 2. Savanna Resources - Mapfolio
- Volume 3. Savanna Resources - Appendices
- Volume 4. Savanna Resources - Study Proposals
- Volume 5. Existing and Planned Water Use
- Volume 6. Existing Land Use
- Volume 7. Water Requirements

At the end of the report period, Volumes 1, 2, 3, and 4 were distributed from CIEH. Volumes 5 and 6 were available for distribution at CIEH. Volume 7, completed during the report period, was being printed in the U.S. for forwarding to CIEH. Volumes 5, 6 and 7 are expected to be distributed by CIEH.

The collection of the CIEH Documentation Center increased to 10,700 documentary units in the report period. Documents 1 - 5,600 are included in the Catalog of the CIEH Documentation Center. All subsequent documents were indexed by author, subject and geographic area. Nine issues of the newly developed Bibliographic Bulletin have been prepared. Issues 1, 2 and 3 prepared and printed during the previous period, were distributed. Issues 4 - 9 were prepared and issues 4 and 5 were printed at CIEH during this report period.

From February 8 to March 17, 1979, consultation were held with an AID review and design team headed by Mr. Reuben Johnson to assist with review of the project and design of a follow-on project. As part of this process the project manager attended, as did members of the design team, the CIEH/CEFIGRE Conference on Water Resource Planning in Semi-Arid Tropics held in Niamey from February 12-17.

STATUS OF THE WORK

The status of project work is reported upon in this section and accomplishments are discussed under the following two headings:

- Institutional Elements
- Technical Elements

A flow chart of work follows as Figure 1.

INSTITUTIONAL ELEMENTS

For a comprehensive account of CIEH's organization and program of work, and the institutional requirements necessary to accomplish these tasks, one is referred to a report prepared by Mr. M. Gagara, Secretary General of CIEH in April 1978. This report was presented as Appendix A to semi-annual report no. 10.

1. Functions of Planning Office and Documentation Center

In semi-annual report no. 9 three functions were defined for the Planning Office: (1) Synthesis of Information, (2) Project Identification, (3) Project Implementation. During the report period the Planning Office was primarily engaged in Synthesis of Information.

Also in semi-annual report no. 9, three functions were defined for the Documentation Center. During the report period the Documentation Center carried out all three functions: 1) Acquisitions, 2) Processing, and 3) Information Dissemination.

2. Staffing Requirements

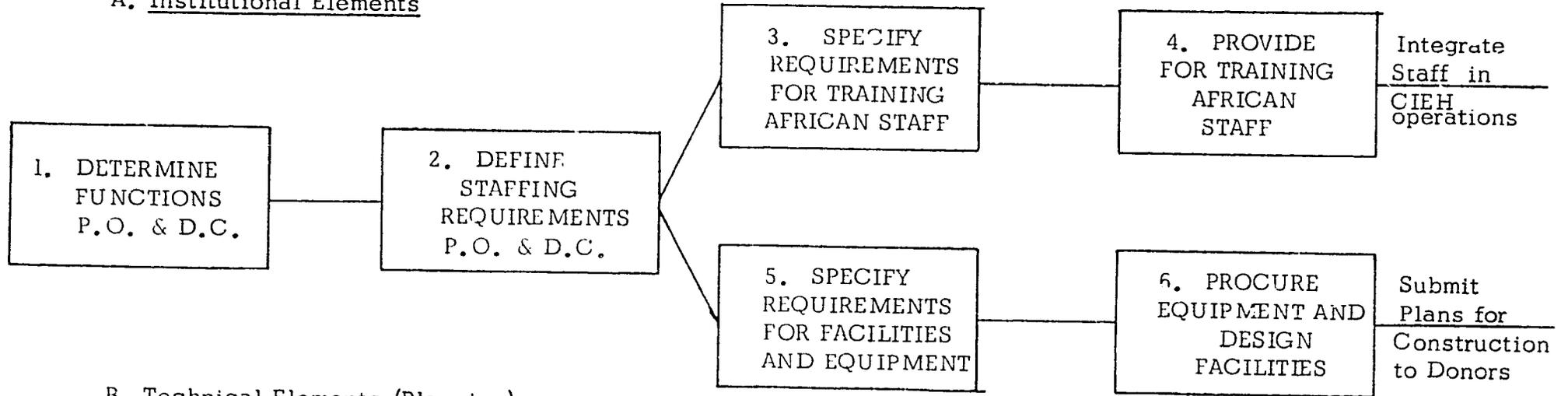
The staffing requirements for CIEH's Planning Office and Documentation Center were set forth in semi-annual report no. 9.

3/4. Training of CIEH staff

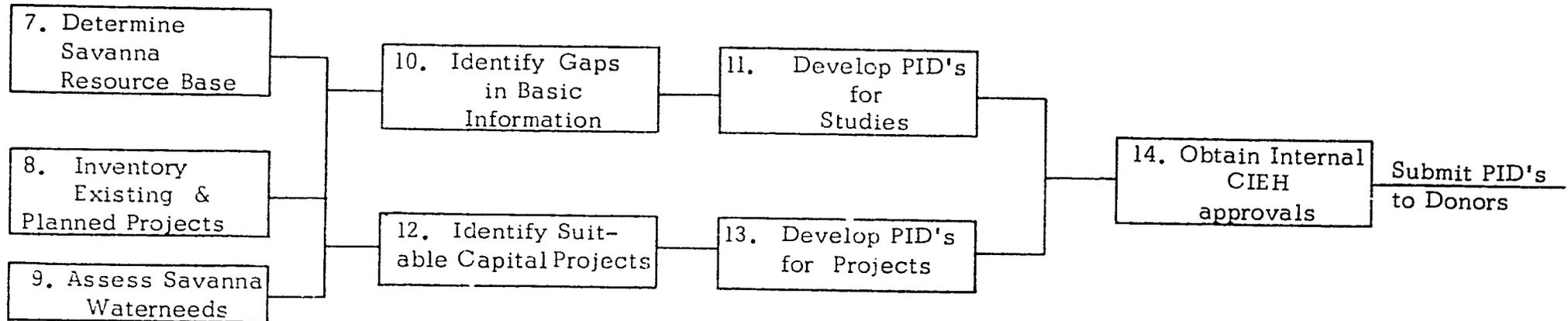
During the report period no further training was provided.

Figure 1. Flow Chart of Work for Assisting CIEH to establish a Planning Office (P.O.)
and Documentation Center (D.C.)

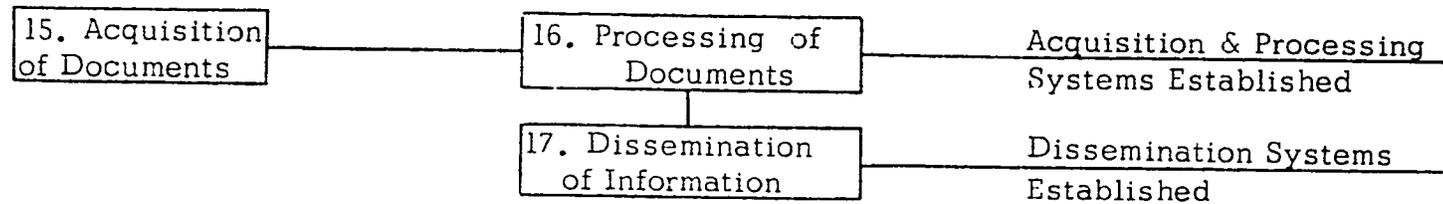
A. Institutional Elements



B. Technical Elements (Planning)



C. Technical Elements (Documentation)



5/6. Facilities and Equipment

During the report period the following equipment was received and installed at CIEH.

1. Microfiche Duplicator and Printer
2. Microfilm Reader
3. Microfilm Storage Unit
4. 8 Document Storage Cabinets

A detailed card inventory of all equipment received during the project is available at CIEH.

TECHNICAL ELEMENTS - PLANNING

7. Savanna Resource Base*

Project Reports (Volume 1, 2 and 3) on the Savanna's water, land and human resources were published in both French and English in 1978.

8. Existing and Planned Land and Water Use

Project Reports (Volume 5 and 6) on the existing use of the Savanna's water and land resources were prepared in both French and English in 1978 and printed in New York and shipped to Ouagadougou during the report period.

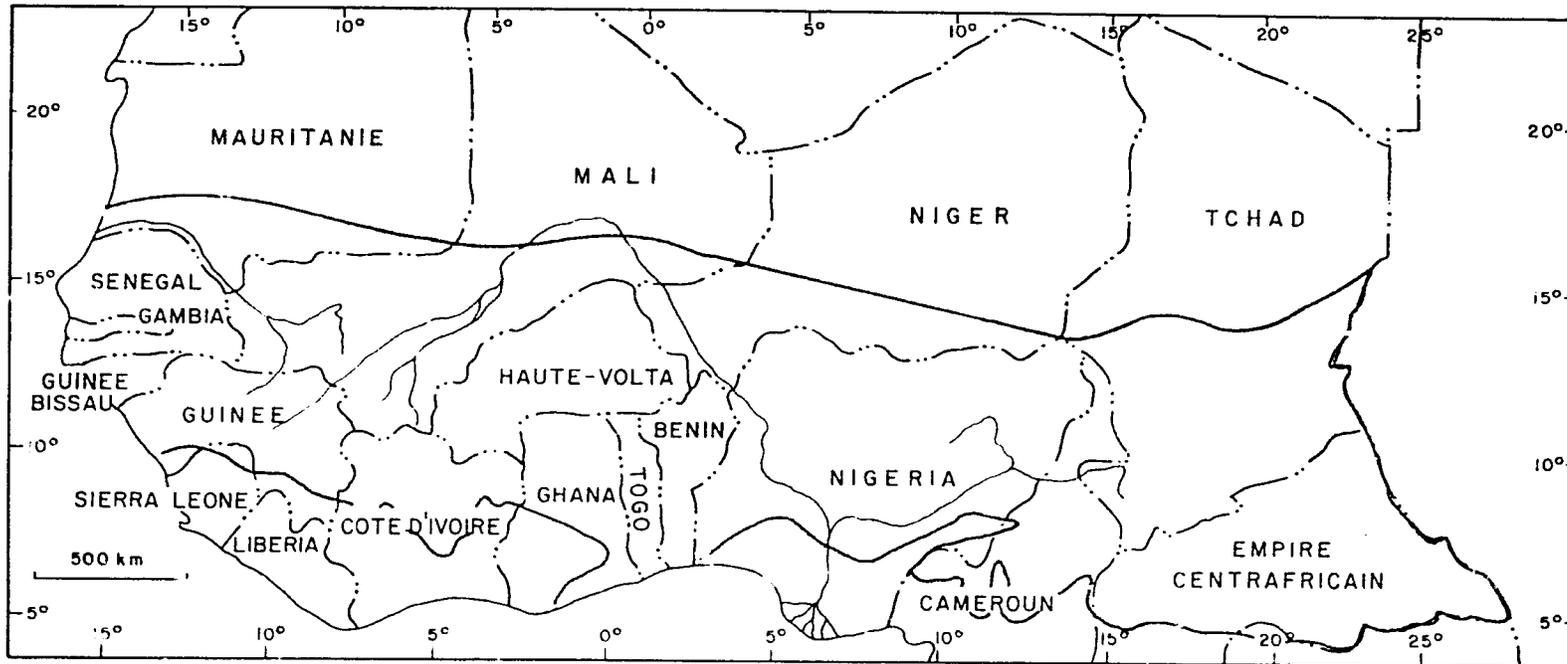
9. Water Requirements

A Project Report (Volume 7) on the water requirements of the Savanna Region in the year 2000 was prepared for publication in the report period. Printing and shipment to Ouagadougou is being handled in TAMS New York Office.

10/11. Gaps in Information and Study Proposals

A Project Report (Volume 4) containing 22 Study proposals to eliminate gaps in basic information was published in both French and English in 1978.

* See Figure 2 for delineation of project area.



THE PROJECT AREA. THE NORTHERN BOUNDARY OF THE SAVANNA REGION IS THE 250mm. ISOHYET AND TO THE SOUTH IS THE FOREST BOUNDARY.
ZONE DU PROJET. LA REGION DE SAVANNE EST LIMITEE AU NORD PAR L'ISOHYETE 250mm. ET AU SUD PAR LA FORET

FIGURE - 2

12/14. Capital Projects

The 7-volume base-line report on the Savanna Region provides the basis upon which CIEH and member states can develop future action plans and specific project proposals.

TECHNICAL ELEMENTS - DOCUMENTATION

15. Acquisition of Documents

During the report period, the Documentation Center acquired more than 500 new titles. This figure brings the grand total of Documentation Center holdings from 10,200 as of December 31, 1978 to 10,700 as of March 31, 1979 (Figure 3).

16. Processing of Documents

During the report period practically all new documents were given descriptive cataloging, geographic indexing and subject indexing. All documents received after compilation of the CIEH Catalog of the Documentation Center were completely indexed, a total of 3,600 titles. An overview of the status of the CIEH collection is given in Table 1.

Five issues of the CIEH Bibliographic Bulletin were printed in Ouagadougou. Issues six, seven, eight and nine were prepared for printing and are on hand in Ouagadougou. An overview of the status of the CIEH Bibliographic Bulletin is given in Table 2.

17. Dissemination of Information

For detailed recommendations for a comprehensive CIEH Information Dissemination Program please refer to Appendix B of Semi-Annual Report 9. During the current (three month) report period some 50 new visitors used the services of the Documentation Center. Figure 4 shows the increase in the number of new visitors since the beginning of the project.

With the arrival of the Microfiche Duplicator and Printer at CIEH during the report period CIEH now has the capability to reproduce its microfiche collection and make it available for dissemination. It was determined that time and resources were not sufficient to also purchase microreproduction equipment to reproduce the CIEH paper collection on microfiche.

Bibliographic Bulletins one, two and three (October, November and December 1978) have been distributed.

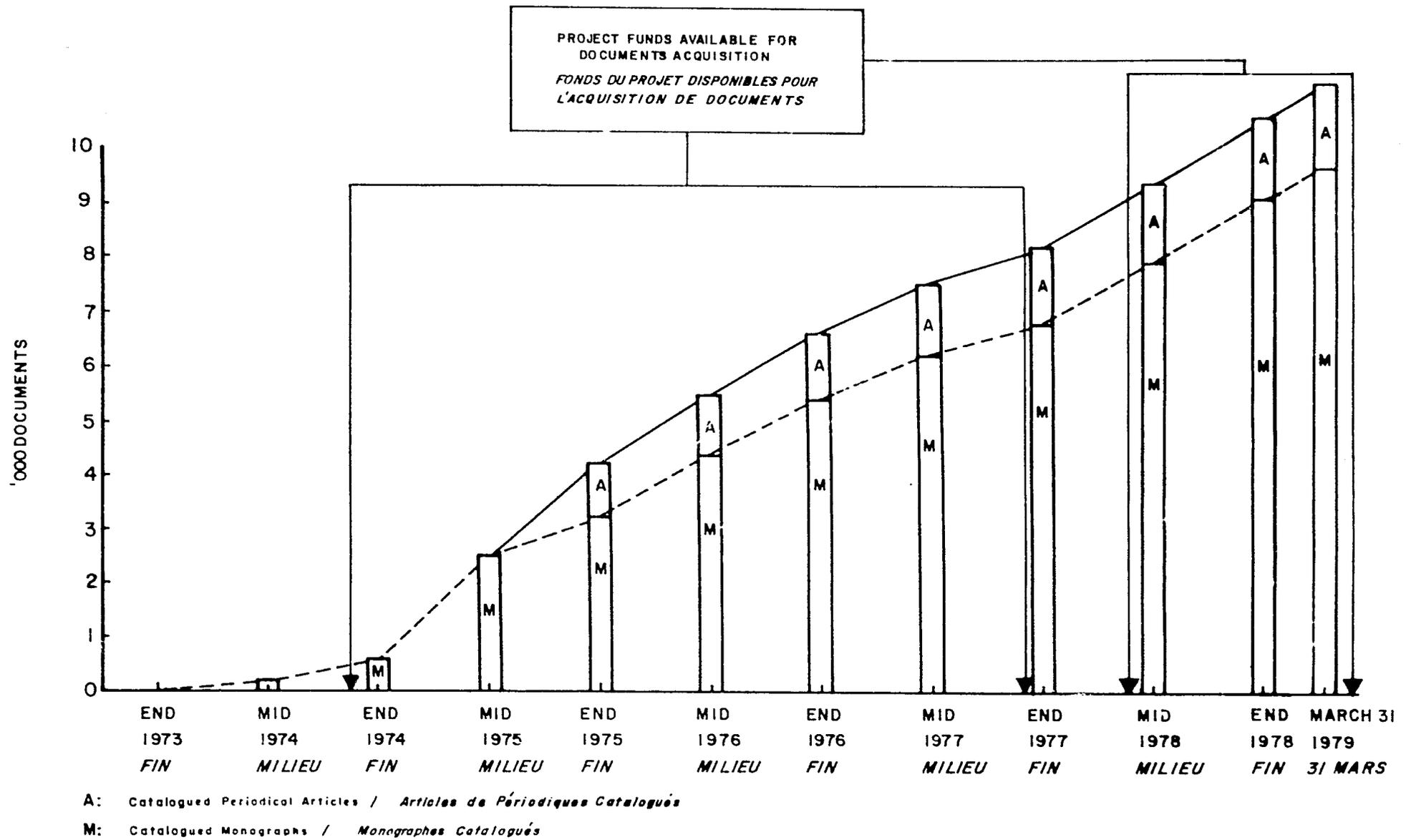


Fig. 3 Increase of Catalogued Documentary Units Available at the C.I.E.H Documentation Center
Accroissement des Documents Catalogués au Centre de Documentation du C.I.E.H

Table 1.

CIEH Document CollectionStatus per March 31, 1979

Accession Number	Number of Documents	Arrangement	Access		
			Descriptive	Geographic	Subject
1 - 5599	5600	UDC* Shelves	Book Catalog	Book Catalog	UDC
5600 - 8800	3200	Accession number	Author index	Geographic index	Subject index
8801 - (Being assigned and catalogued)	± 200				

- NOTE:
- 1) Some 1200 individually cataloged periodical articles are also included in the Book Catalog
 - 2) Microfiches (No. 8174 - 8449) are stored in a separate cabinet, arranged alphabetically by issuing agency and then numerically within each group. Microfilms are stored in a separate cabinet, arranged by accession number
 - 3) Atlases are stored in an atlas case
 - 4) Maps are stored in flat drawers in the CIEH drafting room and are arranged by subject.

NOT INCLUDED IN ABOVE COLLECTION ARE:

- 1) Reference collection (125 volumes)
- 2) Bibliographies arranged by broad subjects (425 volumes)

* Universal Decimal Classification

Table 2.

CIEH Bibliographic BulletinMarch 31, 79 Status

Bulletin Number	Date of Issue	Approximate Number of Titles	Approximate Accession Numbers	Status
1	October 1978	320	7000 - 7250, 7530 - 7599	In Print (500)
2	November 1978	280	7257 - 7532	In Print (500)
3	December 1978	280	7600 - 7882	In Print (500)
4	January 1979	300	7883 - 8173	In Print (500)
5	March 1979	350	8450 - 8800 and 8850	In Print (500)
6	May 1979	350	6300 - 6649	In Ouaga to be printed
7	July 1979	350	6650 - 6999	In Ouaga to be printed
8	September 1979	700	5600 - 6299	In New York to be mailed
9	November 1979	275	8174 - 8449 (Microfiche)	In New York to be mailed
10	January 1980	300	8800 - 9100	-

The first nine Bibliographic Bulletins cover all CIEH documents from about number 5600 (end of Book Catalog) to number 8800.

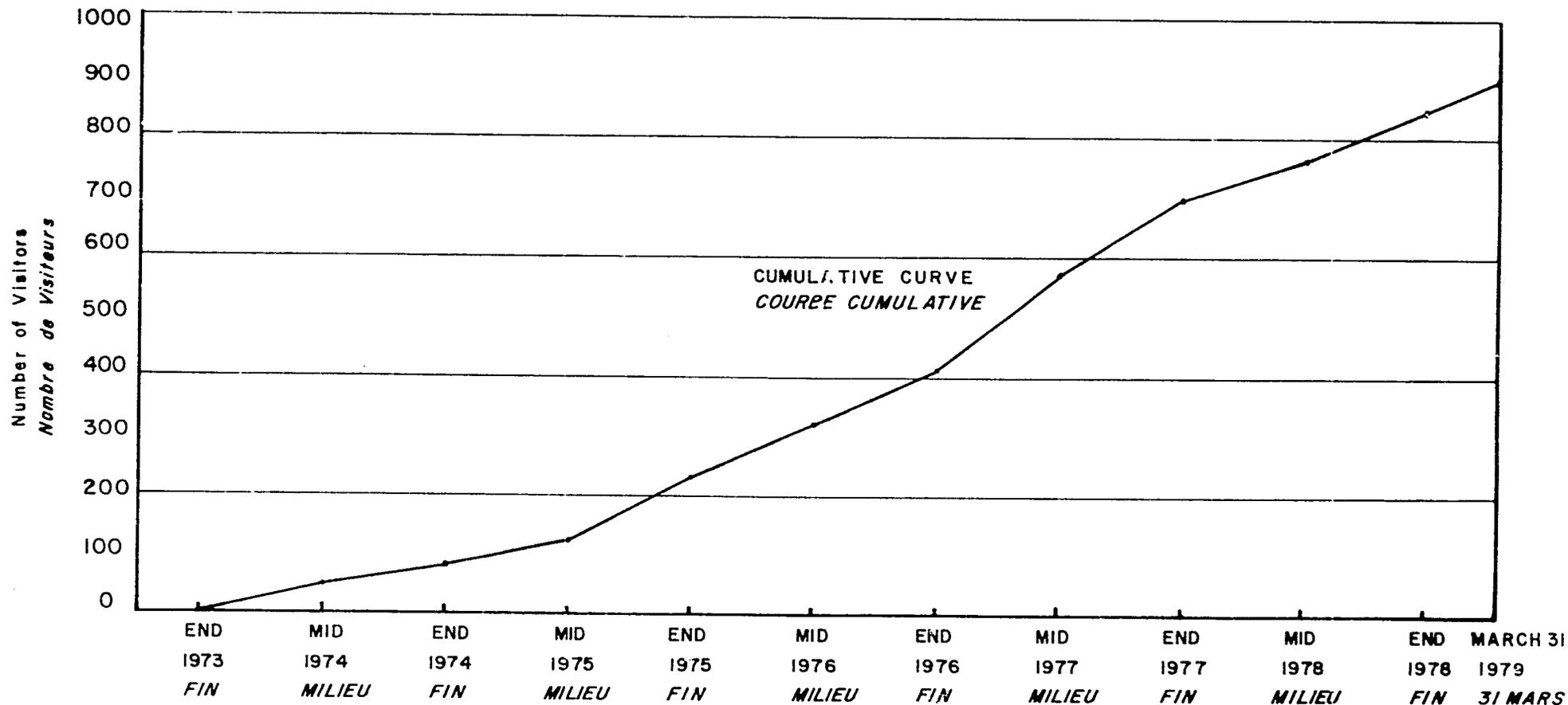


Fig.4 Increase of Visitors Using the C.I.E.H Documentation Center
Accroissement des Visiteurs au Centre de Documentation du C.I.E.H

Volumes 1 through 4 of the Savanna Report were distributed to African, American and European addresses.

Arrangements were made for the complete seven volume set of the Savanna Report to be available to the public in the future, in French and English and both in microfiche and paper copy format, through the National Technical Information Service of the U.S. Department of Commerce. It is understood that USAID will publicize the report through its Research and Development Abstracts.