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QUARTERLY REPORT #2  
(OCTOBER - DECEMBER 1978)  
MEDEX Phase III, Primary Health Care Systems  
Contract No. AID/DSPE-C-0006



# University of Hawaii at Manoa

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### *I. Specific Services to be Provided:*

#### *2.(a)(1) Exploratory briefings in LDCs; informational briefings with AID Missions and host officials:*

Dr. Richard Smith conducted briefings for 30 developmental economists in a course sponsored by the World Bank, Washington, D.C., October 24. Representatives from fourteen LDC's were in attendance.

Dr. Smith attended the USAID Mission African Health Officers Meeting held at Taita Hills, Kenya, November 28-29. Contacts were made with Drs. Eric N. Mngola, Permanent Secretary and Minister of Health for Kenya; Lardja Sanwogou, Nigeria; Pierre Sende, Cameroon; David Tembo, WHO/Brazzaville, Congo; and the USAID Health Officers for thirteen African countries: Botswana, Cameroon, Ghana, Ivory Coast, Kenya, Mali, Niger, Rwanda, Somalia, Sudan, Swaziland, Tanzania and Zaire.

In preparation for LDC briefings, Mr. Mark Rasmuson is consulting with HMDS (December 1 - January 15) to write a script and coordinate the development of a community health worker film, based on Mr. Rasmuson's experiences with community health workers while working with the MEDEX/Pakistan Program.

Ms. Norma Kehrberg consulted with HMDS December 15-21. She produced two draft slide/tape presentations: 1) an introduction to the MEDEX concept, for use in informational briefings; and 2) a presentation to introduce middle-level workers (medex) to their responsibilities in relation to community health workers.

#### *2.(a)(2) Exploratory briefings in LDCs; seminars for Ministry of Health officials, health planners, and other leaders within the medical community:*

No Primary Health Care seminars were held during this quarter.

#### *2.(b) The Contractor shall draft, develop and produce training modules and related teaching materials for the following four specific categories of training:*

Mx. Tom Coles reviewed trainee selection criteria, community organization and participation, training material and methodology, deployment and supervision

of graduates, logistical and management support systems, continuing education needs assessment, and continuing education training methodology used for intermediate-level workers, community health workers, and individual family members with the following officials:

- a) Guatemala, November 6-9:
  - 1) Alberto Viau, M.D., M.P.H., Intermediate-Level Health Worker Training, University of Guatemala, Guatemala City
  - 2) Carroll Behrhorst, M.D., Chimaltenango Development Program, Chimaltenango
- b) Colombia, November 10-17:
  - 1) Antonio Navarro, Coordinator, CMDR Project, Cali. In addition to the above general activities, the latest CIMDER adaptation and revision of the Community Environmental Health Module was reviewed (the prototype of this module was developed in consultation with HMDS).
  - 2) David Bersh, M.D., M.P.H., Director, Medical Department of Armenia, to review the integration of health into the total development process of the Department (province) of Armenia.

Mr. Kenneth Tull consulted with HMDS December 26-29 regarding materials development in international settings and technological approaches found appropriate for use by World Neighbors, and to conduct a simulated workshop on grassroot communication techniques used in developing countries.

*2.(b)(1) MEDEX Training Modules:*

Ms. Norma Kehrberg consulted in Honolulu November 30 - December 2, to provide orientation of consultants Dr. Lester Wright and Mr. John Rich to the competency-based training formats used in the STEM materials and community health worker training materials, and to facilitate the initial steps of materials development, task analysis, and behavior activities of the two modules. (See Section 2.(b)(3) for details of Mr. Rich's activities.)

Dr. Wright, in Honolulu November 29 - December 15, developed the first draft of the Labor and Delivery Module for middle-level workers and consulted with HMDS staff regarding competency-based training methodology for medex and community health workers.

The following draft modules were revised:

- Common Skin Problems
- Respiratory System and Heart Problems
- Community Environmental Health
- Environmental Sanitation
- Problems of Women  
(Formerly titled Problems of Pregnancy and Reproduction)

Draft instructor's manuals have been revised for the following module:  
Diseases of Women

A preliminary draft of an instructor's manual has been developed for the Community Environmental Health Module.

*2.(b)(2) Management Training Modules:*

During this quarter, management training resource materials were gathered from various competency-based training activities, which will be used as reference material in developing management modules.

Mr. Ernest Petrich met with Sunil Mehra, Appropriate Health Resources and Technologies Action Group, Ltd., in London on November 20 to discuss development of audio-visual materials for training and development of appropriate kinds of equipment and supplies in support of MEDEX programs.

*2(b)(3) Community Health Worker (CHW) Training Modules:*

Preliminary drafts were developed this quarter for the following CHW training modules:

- Hygiene
- Clean and Safe Normal Delivery
- High-Risk Pregnancies
- Community Cooperation
- Common Clinical Problems

The preliminary draft of the Common Clinical Problems Module was developed with the assistance of Mr. John Rich, who consulted with HMDS November 29-December 15. The preliminary draft of the Community Cooperation Module was developed with the assistance of Norma Kehrberg, who consulted with HMDS December 15-21.

The CHW draft modules include materials for medex to use to train CHWs, an instructor's component, and materials for CHWs. The training methodology used in CHW modules incorporates the STEM-module style of competency-based training as well as the HMDS-developed educational methodologies required for oral-tradition peoples.

*2.(b)(4) Continuing Education Materials:*

Ms. Joyce Lyons and Mx. Tom Coles, in Georgetown, Guyana, November 20 - December 8, to explore alternative approaches to continuing education for the MEDEX/Guyana program. Mx. Coles and Ms. Lyons reviewed needs assessment data and identified resources for continuing education. Using the topic of "oral rehydration of children with diarrhea" as the example, various options for providing this information to the medex (e.g., self-instructional program, newsletter, slide and narrative presentation, and demonstration) were discussed with the MEDEX/Guyana staff, and continuing education materials were revised and field tested.

The planning for this activity was initiated during Ms. Lyons' June/July trip to Georgetown, in discussions with MEDEX/Guyana program staff (see Quarterly Report #1, Sections 2.(b)(4) and II.A.1.).

*2.(c) Technical assistance and leadership in conducting training programs and project planning in LDCs:*

*2.(c)(1) Technical guidance in project design to USAID Missions and/or host governments in those LDCs where a decision has been made to pursue a MEDEX Primary Health Care program.*

Dr. Richard Smith, in Georgetown, Guyana, October 28 - November 3, consulted with USAID Mission officials (Dr. Heynal, et al.) and with MEDEX/Guyana staff (Dr. Frank Williams, et al.) to assist in the redefinition of the national framework for the MEDEX/Guyana Program, to gather informational materials, and to assist in project design of an expanded primary health care program (in preparation for PID development).

Ms. Joyce Lyons and Mx. Tom Coles, in Georgetown, Guyana, November 20 - December 8. See Section 2.(b)(4) for details.

*2. (c)(2) - (7)*

No LDC workshops were held during this quarter.

*2.(d) Network strengthening and strategizing:*

*2.(d)(1) Mobilization of U.S. MEDEX expertise and experience through a network organization of U.S. universities with MEDEX experience:*

The first draft of the subcontract to organize the MEDEX network has been developed and sent for review and comment to AID/Washington and network universities (Universities of Washington, North Dakota, California/Davis, Howard and Charles P. Drew Postgraduate Medical School).

During the annual conference of the American Public Health Association in Los Angeles, October 15-21, Mr. Ernest Petrich and Drs. Richard Smith, Mona Bomgaars, and Rodney Powell met with officials from the Universities of Washington, North Dakota and California/Davis to arrange for initial site visits from HMDS, to discuss the scope of work of the subcontracts and to plan the first residencies at the University of Hawaii for network members.

Subsequently, Dr. Powell, Dr. Bomgaars, and Mr. Petrich made site visits to assess the capabilities and interests of four mainland universities to become involved with the MEDEX network. All aspects of domestic MEDEX program components were evaluated and specific residencies and field experiences were discussed to identify the experience necessary for these universities to gain international technical assistance capabilities:

1. University of Washington, Seattle, November 27-29
2. University of North Dakota, Grand Forks, November 29-December 2
3. University of California at Davis, December 18-21
4. University of Utah, Salt Lake City, December 21-22
5. Howard University, Washington, D.C., site visit to be scheduled in the future.

The University of Utah probably will be unable to enter into a formal contractual relationship with the University of Hawaii to participate in the MEDEX network, according to the initial assessment resulting from the site visit. It appears that the other universities will be participating in the network.

*2.(d)(2) Inclusion in the network of those institutions within LDCs which have become centers of MEDEX expertise:*

During this quarter the HMDS task force continued to develop the framework and to establish the goals and objectives for the Year 01 MEDEX Network Conference, which has been tentatively scheduled for June 1979.

*II. Other Information:*

*II.A. Travel by HMDS Personnel:*

Drs. Mona R. Bomgaars, Rodney N. Powell, Richard A. Smith, and Mr. Ernest Petrich, in Los Angeles, October 15-21, to attend annual conference of the American Public Health Association. (See Sections 2.(d)(1) and II.D. for details).

Dr. Smith in Washington, D.C., October 23-27:

- a) See Section 2.(a)(1) for details regarding October 24 primary health care seminar for the World Bank.
- b) Met with USAID officials regarding health programs in Lesotho, Nicaragua, Guyana, and Jordan.

Dr. Smith in Georgetown, Guyana, October 28-November 3. See Section 2.(c)(1) for details.

Medex Thomas G. Coles, Jr., in:

- a) Guatemala City and Chimaltenango, Guatemala, November 6-9:
- b) Cali and Armenia, Colombia, November 10-17. See Section 2.(b) for details.

Mr. Coles and Ms. Joyce V. Lyons, Georgetown, Guyana, November 20-December 8. See Section 2.(b)(4) for details. Travel funded by International Development Research Centre, Ottawa, Canada.

Mr. Petrich, Rawalpindi, Pakistan, November 12-20. In accordance with the intent of Section 2.(c)(1), Mr. Petrich met with officials of Pakistan's Ministry of Health, the USAID Mission, and project staff to resolve a variety of issues regarding the administration of the Pakistan Basic Health Services Project contract (including negotiation of several project contract amendments).

Mr. Petrich, London, November 20. See Section 2.(b)(2) for details.

Mr. Petrich, Dr. Powell, and Dr. Bomgaars in Seattle November 27-29, and in Grand Forks November 29- December 2. See Section 2.(d)(1) for details.

Dr. Smith, Nairobi, Kenya, November 25 - December 2. See Section 2.(a)(1) for details.

Dr. Smith, Geneva, December 2-5, to consult with WHO's divisions of Health Manpower Development and of Strengthening Health Services regarding collaboration with Primary Health Care programs, in accordance with the intent of Section 2.(c)(1).

Mr. Petrich to Washington, D.C., December 13-15. Reviewed contract administrative procedures with staff of AID Project Office and AID Contracts Office.

Dr. Powell, Dr. Bomgaars, and Mr. Petrich at University of California at Davis December 18-21, and in Salt Lake City December 21-22. See Section 2.(d)(1) for details.

*II.B. Consultants:*

Mr. John Rich, R.N., in Honolulu November 29 - December 15. See Section 2.(b)(3) for details.

Lester N. Wright, M.D., M.P.H., in Honolulu November 29 - December 15. See Section 2.(b)(1) for details.

Ms. Norma J. Kehrberg, M.M., M.P.H., in Honolulu November 30 - December 2. See Section 2.(a)(1) for details.

Mr. Mark Rasmuson, M.A., in Honolulu December 1 - January 15, 1979. See Section 2.(a)(1) for details.

Ms. Kehrberg, in Honolulu December 15-21. See Sections 2(a)(1) and 2.(b)(2) for details.

Mr. Kenneth Tull, in Honolulu December 26-29. See Section 2.(b) for details.

*II.C. Visitors to HMDS:*

Dr. Harold Rice, AID/W, October 2.

Sister Florida Manzano, Administrator of the School of Nursing, Davao City, Philippines, October 30-31.

Ms. Barbara Kennedy, Training Division, Office of Population, AID/W, November 6.

Dr. J.-J. Guilbert, Chief Medical Officer for Educational Planning, Division of Health Manpower Development, WHO/Geneva, visited HMDS November 13-14 and reviewed WHO's Education Workshop Proceedings with our staff.

Ms. Susan Rifkin, World Bank consultant, December 1.

*II.D. Recruitment:*

Potential candidates for employment by HMDS were interviewed by Drs. Smith, Powell, Bomgaars, and Mr. Petrich during the annual American Public Health Association meeting in Los Angeles, October 15-21, and by Mr. Petrich in Washington, D.C., and New York City (December 13-17.)

We have recruited a project coordinator for the Pakistan and Lesotho MEDEX Programs (under separate contracts) and three core staff positions. These four people will begin work with HMDS next quarter.

Second quarter recruitment has been hampered by the fact that most of the people we want are signed up on a July 1 - June 30 employment year. Additionally, we are losing potential employees because we are not offering competitive salaries.

Early in this quarter, a budget, CVs, and other documents necessary for the initiation of the MEDEX/Lesotho contract were assembled and mailed to AID/Washington. We have been able to retain three of the potential MEDEX/Lesotho project staff, but it has placed a great stress on this staff to keep a potential overseas team in limbo for such a long time. Unless AID/Washington completes the administrative requirements for this contract soon, these personnel probably will accept other employment.

*II.E. Other:*

No on-campus space is available to house the increased number of people who will be working with HMDS. Thus, during this quarter new off-campus office space has been located, and procurement of supplies and equipment for the new location has been initiated. Our move is scheduled for January 1979.

III. Fiscal Status:

<u>Budget Category</u>	<u>Awarded</u>	<u>Previous Expenditures/ Encumbrances</u>	<u>2nd Quarter E&amp;E</u>	<u>Total E&amp;E To Date</u>	<u>Balance</u>
Salaries	362,062	52,427	37,896	90,323	271,739
Consultant Fees	36,125	2,723	8,375	11,098	25,027
Fringe Benefits	76,689	9,056	5,687	14,743	61,946
Overhead	127,591	18,475	13,354	31,829	95,762
Travel & Transportat	59,608	1,450	7,060	8,510	51,098
Allowances	39,642	800	5,584	6,384	33,258
Other Direct Costs	42,759	2,447	4,808	7,255	35,504
Equipment, Materials and Supplies	53,263	428	6,870	7,298	45,965
Sub-Contracts	<u>204,000</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>204,000</u>
TOTALS	1,001,739	87,806	89,634	177,440	824,299