

Nutrition Communication Project

QUARTERLY
TECHNICAL REPORT

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Academy for Educational Development
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Washington, D.C. 20037

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NUTRITION EDUCATION/SOCIAL MARKETING

FIELD SUPPORT PROJECT

**Quarterly Technical Report No. 12
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I. HIGHLIGHTS

Major activities carried out during this quarter included the following:

- An Experts Meeting on Optimal Infant Feeding Practices was held to examine important technical issues about breastfeeding and infant feeding that have come up in countries where NCP is beginning to promote the new exclusive breastfeeding guidelines recently issued by A.I.D.
- A series of three workshops were held for CARE staff in 6 Latin American Countries to introduce focus group research methodology for use in the design and pretest of educational materials.
- The NCP Mid-term Evaluation was initiated in early August and will be completed in mid-November. NCP projects in Mali, Burkina Faso, Guatemala and Honduras hosted the evaluation teams.
- Qualitative research on breastfeeding practices in Honduras was completed this quarter in two regions of the country.
- A mock-up of the training video on Communication Skills for use in Growth Monitoring programs was completed and pre-tested in six countries.
- Planning for a joint PRITECH/NCP West Africa Conference on Infant Feeding was launched.
- A draft Training Manual on Strengthening Communications for Nutrition and Growth Monitoring was completed and is being reviewed and a framework for fieldtesting designed.
- The Mali Vitamin A Communications Research and Strategy Workshop report was completed and circulated to participating government and PVO collaborating agencies in July. Materials developed as a result of the qualitative research and strategy workshop were then pretested in the three PVO field sites.

Delays and problems experienced last quarter include:

- Filming of the training video on Interpersonal Communication in GMP was delayed to allow time for pretesting of an animatic (mock-up) of the video, so that major revisions could be made following the pretesting sessions.
- The recruitment more technical staff to help execute the series of activities being undertaken under the new Africa Feeding Initiatives buy-in must be completed within the next 15 months.

II. PROJECTS AND OTHER FIELD SUPPORT ACTIVITIES

A. AFRICA

Africa Regional

Africa Bureau Infant Feeding Initiative

Good progress was made this quarter on all the activities being carried out as part of the Africa Infant Feeding Initiative. NCP consultant, Dr. Tina Sanghvi, is completing her review of the pertinent literature and programs. The first draft will be circulated for review in November-December. Plans for the regional conference to be held in collaboration with PRITECH this June are progressing well. The technical planning committee has met regularly to decide on a venue (Lomé, Togo), to set criteria for selecting participants; and to draft an agenda. Work has also started on planning site visits to 8 countries in collaboration with Wellstart. These visits are scheduled for December 1990 and January to April 1991. Countries tentatively selected for the first round of rapid assessments include Côte d'Ivoire, Senegal, Togo and Cameroon.

PRITECH will be carrying out a series of research studies and surveys in the region which will provide important information for the Conference. This includes research on the need to give water to breastfed babies in hot, dry climates; and surveys in all PRITECH countries to assess how CDD programs may be impeding/encouraging optimal infant feeding practices.

During this quarter a briefing on the Africa Bureau Infant Feeding Initiatives was held on August 24th with the Africa Bureau and the Office of Nutrition. A full-day meeting was also arranged September 6th to review all project activities in the region and discuss strategies for improving nutrition in the region. This was an important meeting to familiarize Hope Sukin, new Nutrition Advisor for the Africa Bureau, with NCP activities and to look at ways of further supporting the Bureau's goals and objectives in this sector. In addition, Fishman met with PRITECH regional manager, Suzanne Prysor-Jones on September 19 to coordinate research in-progress (Mali and Niger) as well as plans for the upcoming workshop.

Burkina Faso

NCP is providing long-term technical and financial support to the Ministry of Health and Social Action (MOHSA) to carry out a project to improve maternal nutrition and infant feeding practices. The project, initiated in March 1989, is nearing the end of the pilot phase in three provinces. To date the project has completed focus group research, developed a preliminary communication strategy, and produced a range of prototype educational materials, including a participative play (slide show) meant for community presentation, posters and radio songs. An expanded project in eight new provinces is scheduled to start in FY 91. NCP consultant, Dr. Hughes Koné from the University of Abidjan's Center for Research and Training in

Communications (CERCOM), assisted the MOH to develop a baseline survey of Knowledge, Attitudes and Practices (KAP) for the expanded phase.

In this quarter, NCP completed arrangements with Fiduciare d'Expertise Comptable et de Controle de Gestion (FIDEXCO) of Ouagadougou. The subcontract provides accounting services in Burkina Faso in support of the project's field activities. FIDEXCO was awarded the fixed-price contract following competitive bidding procedures in which four local accounting firms participated. In addition, USAID/Ouagadougou and the Ministry of Health Nutrition Section hosted the Mid-term Evaluation team for NCP.

Kenya

NCP has recently begun to plan a project to provide technical assistance to the MOH's Division of Family Health to develop a nutrition communication intervention as part of the CDD program. This is in response to the Division's growing interest in the nutritional aspects of diarrheal disease, both in terms of treatment and prevention.

During this period, NCP staff person Anne Roberts worked with Dr. Margaret Bentley of the International Nutrition Department of Johns Hopkins University; Margaret Parlato, NCP Director; PRITECH's Peter Spain and new Kenya field-coordinator Kate Burns to organize an NCP technical assistance visit to work with the Kenyan National CDD Project. In earlier discussions, PRITECH agreed to develop a communications effort focusing on nutritional components of diarrheal disease management and prevention. In the same period, NCP and PRITECH identified a number of areas for collaboration in the expanded nutritional interventions growing out of CDD programs. This will be one of the first of these collaborative efforts.

In preparation for this activity, NCP held an extremely useful meeting September 17 at JHU with Drs. Bentley, Black and Sachs, as well as the Kenyan doctoral candidates, and the proposed NCP/PRITECH team.

After a number of changes in dates necessitated by the MOH's crowded and constantly changing schedule, it was decided to field a team in mid-January, consisting of Cecilia Versoza, an AED marketing and CDD communications specialist, and Dr. Bentley, a nutritional anthropologist and diarrhea/feeding specialist. The participation of diarrheal/infant feeding specialist Dr. Kenneth Brown is being discussed. The visit will follow a WHO Persistent Diarrhea Conference to be held in Mombasa; both Drs. Brown and Bentley will participate in this conference with numerous senior level Kenyan MOH and Nutrition officials who will also be working with the team. The high visibility provided by the conference is expected to increase the momentum for action.

The team will assist the Kenyan CDD to develop the scope of the planned intervention and to design project-focused research on the nutritional aspects of diarrheal disease. The use and promotion of *uji*, a common infant food, as a food based ORS, is to be the focus of the effort. Exploration of current breastfeeding practices and programmatic possibilities related to

breastfeeding will also be discussed. The team will help the Kenya staff to develop a workplan, assign roles and develop a schedule for future technical visits and for project implementation.

This project is distinguished by the interest and commitment of the Kenyan officials to the rationalization of the food based ORS question, and an opportunity to test application of this relatively new technology in an environment where there is a strong opportunity for successful implementation and adequate data collection.

Funds for this activity are provided by the Africa Bureau, and were originally designated for Sudan and Swaziland. Because of the late start of this ambitious communication effort, the Bureau has requested a no-cost extension to permit use of funds beyond the designated end of this fiscal year, when they would ordinarily end. This and other issues were discussed at a August 24 Kenya review meeting attended by the Africa Bureau and the Office of Nutrition.

Mali

Since October, 1988, the Nutrition Section of the Division of Family Health has been engaged in an NCP-supported program, referred to as the "Mali Nutrition Communication Project." This includes two major components:

1. Assisting the MOH to strengthen maternal nutrition and infant feeding educational programs through health center promotion and mass media in Bamako and Koulikoro, the zones included in the bilateral IFAHS (Integrated Family Health Services) project. The MOH Operational Plan for NCP/IFAHS calls for a KAP survey and staff training in nutrition and IEC skills to take place by December, 1990.
2. Improving Vitamin A nutrition in selected regions of the country included in the National Plan to Combat Vitamin A Deficiency.

"Communication for Vitamin A" (CVA) is an NCP activity that brings together the MOH Nutrition Section and three PVOs with USAID-supported Child Survival Activities: AFRICARE, CARE and World Vision. CVA does not draw on bilateral monies. Funding has been obtained from several sources: The Office of Nutrition's Vitamin A Fund, the Africa Bureau, the Mission, the FVA VITAP program (managed by Helen Keller International) and limited funding and in-kind contributions from the PVOs.

During this quarter work progressed on all fronts of the project.

Communication for Vitamin A

Following the departure of Claudia Fishman on July 5 (Fishman, along with NCP consultant, Peter Gottert facilitated a Strategy Development Workshop June 18-22), NCP consultant Dandara Kanté assisted the Nutrition Section to finalize the Vitamin A Communications Strategy and complete the official Workshop Report. One important component of the strategy is face-to-face counseling by health staff working in the Child Survival Projects of CARE, Africare and

World Vision. Staff requested training materials as well as visual aids to carry-out community based teaching and motivation activities.

In July-August, NCP consultant Peter Gottert developed a set of visual materials based on the research conducted to date. Gottert returned to Mali September 3-15 to pretest the following materials:

- A series of images (to be used as a flip chart) that treat the nutrition and health education themes covered in the NCP manual "How to Identify Children With Malnutrition and Tips for Counseling Their Parents";
- Images developed for a Vitamin A flipchart in collaboration with World Relief, Catholic Relief Services and the VITAP project of Helen Keller International. The objective of testing the "HKI" flipchart was to determine the extent to which materials developed in Burkina were viable for Mali, in an effort to share materials across programs in the sahel region.

Consultant Peter Gottert worked with Mr. Soumanou, an artist for the Ministry of Health's IEC unit, spending a total of 8 days in the three field sites. PVO staff were trained in the elements of pretesting and participated throughout the duration of the tests. Each site contributed new information leading to clarification and overall improvement of the materials. The pretesters found that the images facilitated discussions of proposed changes in nutrition-related traditions or attitudes. Through interactive sessions with the villagers, attempts were made to define "incremental changes" in behavior that, while not currently practiced, were viewed as logical improvements by the group. The results of the pretest were summarized and presented to the Nutrition Service personnel September 14 and 15. Dandara Kanté had made all logistical arrangements for the pre-test prior to Gottert's arrival, and participated in the review of the results with the Nutrition Section.

In addition, the manual drafted by Dr. Katherine Dettwyler, "How to Identify Children With Malnutrition and Tips for Counseling Their Parents," which had been modified following a review by PVO and MOH staff in June, was left for further critique with the Nutrition Service while the pretest was in the field. Copies of the second draft manual were also left with the PVO Child Survival project coordinators who were asked to forward corrections and comments to Mr. Semega, Director for the Nutrition Service, (in time for the NCP Deputy Director's visit in October). Comments of several Nutrition Service staff members were collected during the final debriefing.

Gottert and Fishman will revise the manual and flip chart materials in October, making the penultimate versions available for the training of PVO and regional health staff in November and CVA field trials to run from December through June, 1991. All materials will be revised based on these field trials and produced in final form (with the assistance of HKI VITAP) in 1991.

NCP IFAHS

Given the MOH's vacation and training schedule, little progress was made in country in August-September for the KAP survey planned for November. However, in Washington, Fishman arranged for a technical review of the KAP survey by nutrition communications and research experts. On September 14, Robert Hornik and Stan Yoder, Annenberg School; Lynn Doner, Porter/Novelli; Judy Graeff (HealthCOM, AED) as well as Margaret Parlato and Julia Rosenbaum, NCP met with Fishman to review the objectives and research plan for the survey of nutrition-related beliefs, attitudes and practices. The study, which measures the relationship of these factors to anthropometric indicators of pre-school age children's nutritional status, will be based upon hypotheses generated from ethnographic research conducted by Dr. Katherine Dettwyler over the past five years, NCP "team" research conducted in December and March of this year, and related UNICEF and MOH studies.

The group reached a consensus on all points under consideration, given the balance of research priorities, funding and human resources. Specific recommendations included the following:

1. Test infant feeding hypotheses in Bamako, rather than doing a more comprehensive survey of various health interventions that might or might not be addressed by MOH over next 3 years.
2. Emphasize formative research needs now. If carefully constructed, many questions may be included in later tracking/evaluations. Given that NCP interventions are likely to reach only 15 MCH centers and small circles of influence around them, it is not worth using this study to evaluate that low level of impact.
3. Concentrate on factors related to the "active feeding" hypothesis, and specifically the measurable behaviors contained therein. Major parameters include mother's time, distribution of resources within household, knowledge and attitudes about food and health, attitudes about ability to shape destiny (passivity), and reaction to sick children without appetite. The research needs to define behavioral processes within these parameters and pinpoint those in which one would hope to promote change, including:
 - Using implements for ordinary feeding prior to 1 year
 - Time spent with child and level of interaction during meals at 12, 18, 24, 36 months, (for example)
 - Purchase of foods for children
 - Preparation of foods for children
 - Interaction with other adults (men, parents) to secure foods, time, other resources

4. **Initiate (if possible) a small scale (~50 households) study, observing normal and sick child feeding interactions using tightly controlled protocol. This could be mounted:**
 - **With assistance of PRITECH, as Catherine Touré plans to do a study of infant feeding under these circumstances this fall.**
 - **As part of "health worker training," that could be built into a practicum for nursing/midwife school.**

Claudia Fishman will discuss these recommendations with Mr. Semega during her October trip.

Finally, USAID/Mali hosted the NCP Mid-term Evaluation team in August. Fanta Macalou of USAID/Mali and D. Kanté facilitated meetings with the Nutrition Section as well as CARE, Africare and World Vision. While NCP is just completing formative research in Mali, the evaluators were able to meet NCP counterparts and learn how NCP activities have been integrated into the implementation plans of the several collaborating agencies.

Niger

NCP is still waiting for government approval to begin work on a Vitamin A Mini-Project with the MOH and HKI. This project calls for a series of qualitative research and feasibility tests for various behavioral changes and simple technologies to improve Vitamin A consumption in rural Niger. Training and Radio programming are also envisioned. CARE and AFRICARE will be linked into training and materials development activities.

Swaziland

Since March 1990, NCP has been providing technical assistance to the Swaziland Weaning Project. The project, already in its fifth year when NCP assistance was initiated, is in a critical and dynamic stage, particularly in training and product development. To maintain momentum, and capitalize on the investment already made in the project, NCP is responding to the Swaziland National Nutrition Committee (NNC) communication project in two areas:

- design of an evaluation plan for the communication effort, and;
- script writing and design/production of radio messages.

The communication plan and the radio messages are based on research and discussions carried out under a previous project, assisted by the Manoff Group. NCP has been asked to provide specific assistance needed to complete the final phase of the activity successfully.

In September, NCP consultant Lonna Shafritz worked with members of the Swazi NNC, the Ministry of Agriculture and Cooperatives (MOAC) and MOH, USAID, UNICEF and others to develop a monitoring and evaluation plan for the Promotion of Improved Infant Feeding

Practices, or Weaning Project. This activity will provide direction for modifying project strategy and/or specific activities. Feedback to project workers and the community regarding project results will also reinforce their efforts and interest.

The consultant found that a primary constraint to successful monitoring and evaluation was the lack of staff time for organization and data collection. She, therefore, designed a system that relies largely on data already collected by other organizations that can meet project needs, or can be easily adapted to do so.

In October, NCP consultant Ed Douglas will assist the NNC and local radio producers to develop the final radio scripts and spots for the campaign, and to revise earlier radio production. In addition he will assist the Swazi team to review their strategy to assure it reflects current data and resources.

B. LATIN AMERICA AND THE CARIBBEAN

Honduras

Last October, NCP received approval to move ahead with technical support to nutrition activities being carried out under the USAID Health Sector II project. NCP's role is to work with the MOH to improve infant feeding and breastfeeding and support fledgling growth monitoring efforts. Special focus will be given to integrating nutrition into the broader child survival communication strategy.

This quarter, the NCP team in Honduras was visited by the Evaluation Team and by Dr. Eunyong Chung, Project Monitor for NCP. Also this quarter, NCP assisted the Divisions of Health Education and Nutrition to revise and complete their Nutrition Communication Plan. After a lengthy process of revisions, the plan was approved by participating divisions. The plan helps to concretize the political commitment of various Ministry divisions and outlines general priorities.

Consultant Fredy Ehlers, well-known television producer from Ecuador, worked with the Ministry team from July 9 through 17. Mr. Ehlers conducted two seminars for Ministry counterparts on television production and audio-visual strategies for child survival themes. The team is in the nascent phase of materials production for the breastfeeding campaign, so the consultancy was timed to generate new ideas and strengthen skills that can be applied to the developing campaign.

Formative Research Efforts

The Nutrition Communication Project provided intensive technical assistance to plan and carry-out formative research on infant feeding and maternal nutrition. Roberta Cohen, a doctoral candidate from the University of California (Davis), worked with the Ministry team from July 24 - September 24, 1990 to assist in the development of the research strategy. Program Officer

Rosenbaum spent four weeks in Honduras (from July 29 to August 8, 1990 and again from August 26 -September 9, 1990) supporting the planning effort. Over the summer months, a workteam comprised of Resident Advisor Boddy, AED sponsored Research Specialist Roberta Cohen, Program Officer Rosenbaum and MOH counterparts devised a qualitative research strategy to guide breastfeeding promotion activities.

The group worked to refine project objectives to better focus the field research. National data have been collected over the past decade which illustrate breastfeeding patterns as well as mother and health worker knowledge, attitude and practice around infant feeding. While extensive quantitative data were available, a shortage of qualitative information prevents deeper understanding of why detrimental feeding behavioral patterns persist and how health communicators might bring about changes in these behaviors.

In late August, a team of 24 researchers were trained to conduct focus group discussion and in-depth interviews, and familiarized with the research protocol. The research took place in two health regions, areas that have the worst malnutrition rates for children under 5, and had therefore been targeted by the Nutrition Division as priority regions. From September 3-15, 1990, researchers conducted a total of 45 focus group discussions with mothers and fathers, and 117 in-depth interviews with mothers, midwives and health workers.

The research focused on the following areas:

- Mother's attitudes about infant feeding and maternal nutrition needs: reasons for positive and negative infant feeding practices (use of "chupones", early supplementation, etc.); sources of information; time allocated to feeding and food preparation; availability of help with these tasks from other household/community members; obstacles to exclusive breastfeeding/ problems;
- Maternal nutrition: This phase of the research looked at women's understanding of their changing nutritional needs during pregnancy and lactation; prohibited and encouraged foods during pregnancy and nursing (practices and reasons);
- Men's role in infant feeding: While it is widely acknowledged that men play very little role in actually feeding children, the study set out to better understand Honduran men's role in intrahousehold food distribution, food acquisition and it's role in maternal nutrition and early supplementation (e.g. absent fathers showing love through the purchase of milk; providing extra food for the pregnant and lactating woman); level of influence and support of men for breastfeeding (e.g. advice men give to women; men's feelings about breastfeeding as a sexual barrier).
- Health workers role in education: Attitudes of health workers responsible for health education activities about exclusive breastfeeding to six months; attitudes about their role as health educators; obstacles to being more effective health educators.
- Midwives role in prenatal and postnatal counseling: Research investigated midwives knowledge and attitudes about infant feeding, looking at the content of midwives



Honduran MOH team interview rural midwives about their prenatal counselling. The research will be used to promote exclusive BF through training midwives in pre- and post-natal counselling.



Honduras MOH teams interview fathers about infant feeding and support for breastfeeding

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educational messages and their level of contact with women at various stages of pregnancy and motherhood. Barriers to their training and role as educator were investigated.

Analysis is currently underway, and a full report is expected in October.

Planning of the Project Evaluation

The Nutrition Communication Project has received support and funding from the A.I.D. Bureau of Science and Technology, Office of Nutrition to evaluate the impact of the Honduras breastfeeding promotion experience. The evaluation will be comprised of a traditional pre/post survey as well as several smaller descriptive evaluations of the process.

Originally, NCP planned to "piggy-back" the baseline evaluation onto the AED HealthCom longitudinal evaluation scheduled for 1990. The HealthCom evaluation has been on-going since 1981; the work is done through a subcontract with Applied Communications Technology of Menlo Park, California. Carol Baume, principal researcher on the HealthCom study, was approved by the Office of Nutrition as the NCP Honduras evaluator. Since that time, budget considerations have forced postponement of the HealthCom Evaluation Survey until June 1991.

Since initial phases of the breastfeeding promotion intervention are to begin as early as January 1991, it is essential to take baseline measures before any activities begin. Therefore a separate evaluation survey must be conducted by early January. The workgroup began to identify indicators on which to monitor changes in beliefs and practices around infant feeding. Several study designs were sketched out, with an eye to logistical considerations and cost. Sample size calculations for anticipated effects of the intervention; control populations were investigated although not identified.

Ms. Rosenbaum and researcher Roberta Cohen spearheaded the planning effort and met with numerous Honduran researchers to discuss study design, among them Dr. Fidel Barainona, Director of the MOH Science and Technology Unit (responsible for most MOH research) and Dr. Stanley Terrell, USAID Child Survival Technical Advisor. University of California (Davis) evaluation specialists Drs. Kenneth Brown and Katherine Dewey, also doctoral advisors of Roberta Cohen, have participated in discussions on the evaluation design.

Many decisions must be made in a short period of time to finalize evaluation research plans, specifically: 1) the exact nature of the communication intervention so that the effect of activities can be captured; 2) whether to include outcome measures on growth and morbidity when documenting the impact of communications activities; 3) whether to include a control group in the evaluation design. Communication researchers have little experience with evaluation research that includes a control population, in part because it is very difficult to "protect" a control population from the effects of mass media activities.

Ms. Rosenbaum will meet with research and evaluation experts in early October to finalize plans for the project evaluation. Specifically, it was agreed that Carol Baume (ACT), Kay Dewey and

Roberta Cohen (both UC Davis), and Rosenbaum will meet in October to resolve the specific questions on study design.

Guatemala

In Guatemala, the Nutrition Communication Project is providing technical assistance to the Nutrition Institute of Central America and Panama (INCAP), with funding from the regional A.I.D. office, ROCAP. The assistance is multi-faceted, designed to expand the institution's capabilities in the use of nutrition communication technologies and assist INCAP in the development of communication training capability for the Central American region.

INCAP's dietary management of diarrhea efforts, a major focus area of the institution, were selected as particularly appropriate to begin exposing different technical specialists to communication methodologies.

Dietary Management of Diarrhea Regional Study

In November 1989, NCP provided the assistance of graduate student Dirk Schroeder (JHU) to give technical input into the development of a diarrhea management study to be carried out in several countries in the INCAP region. Schroeder returned again in February 1990 to continue assisting the INCAP team with the DMD project. In March, inter-disciplinary teams from the five participating countries travelled to Guatemala to participate in a two-week workshop on DMD technical issues and worked to further develop the multi-center study protocol. Teams returned to their countries to finalize research protocols and begin the formative research aspects of the study. From this formative research data, nutritional weaning foods will be developed using locally available and acceptable foods.

With the formative research stage of the study nearing completion, NCP will now step back until the researchers finish epidemiological analyses of weaning foods. In this phase of the research, INCAP will help country teams assess the biological impact of a dietary intervention on diarrhea severity and child growth. When ready to proceed with weaning food promotion, NCP hopes to continue assistance to the regional project through the ROCAP buy-in. Dirk Schroeder, who finished his NCP assignment with INCAP in June, conducted a debriefing for NCP and the Office of Nutrition on July 31 and latter also reviewed activities with Mary Ellen Duffy Tanamly in the LAC Bureau.

Communication Support of the Water and Sanitation Project

As part of on-going technical support by NCP to strengthen INCAP's social marketing capacity in diarrhea control, oral rehydration and growth monitoring, NCP is also providing technical assistance to INCAP's water and sanitation research project. The project is documenting the effect of a new water system and improved "water-related behaviors" on diarrheal episodes. Last quarter, AED Senior Communication Advisor Elizabeth Mills Booth joined the INCAP epidemiologist, anthropologists and educators to assist in the planning of formative research and message development to support the child survival intervention.

This Quarter, Ms. Booth made a second of three scheduled visits, working with the interdisciplinary team from August 13-19. The group reviewed formative research conducted in the site over the last two months, and from this review selected hand-washing as the key behavior cluster for the communication strategy. A behavioral analysis of the steps of handwashing was conducted, using the criteria of impact on the health problem and potential for change. Finally, a communication plan was defined to introduce these behaviors into the community.

The strategy will focus on three "products", handwashing, a product that is already used by the target audience and the introduction of the "Pretty Corner" and the Tippy-Tap, two products which facilitate the correct handwashing.

Handwashing: Handwashing is a common practice of the target audience, however not in its correct form. The promotional strategy will therefore focus on correct handwashing. Formative research revealed that mothers perceived babies with a clean face and hands to be "pretty and happy", while babies who are dirty are "sad". The positioning will reinforce that perception, handwashing will be presented as happy and attractive. Utz, a term in Cachikel which symbolizes these terms and which was identified during the formative research, will be emphasized in the promotional strategy.

The Pretty Corner: Presently handwashing is done in various places around the home; the user frequently has to look around for the materials needed to wash his hands and literally grabs the material closest to him to dry his hands. INCAP will therefore test the concept of the Pretty Corner, a specific area close to the kitchen in which the materials necessary to correctly wash hands (soap, clean rag/towel, water, Tippy-Tap) will be permanently installed and maintained. The Pretty Corner will support the hand-washing positioning; the Pretty Corner is the simple and practical solution to make your infant "pretty and happy" (utz!)

The Tippy-Tap is a simple handwashing device made out of a plastic half-gallon or gallon bottle. It was tested during the formative research in several homes and at the INCAP center and proved to facilitate correct hand-washing. However, the product test also indicated that the product requires extra water, time, and work to install, use, and maintain. Formative research identified that the benefits perceived by users were that the Tippy-Tap used less water and soap than other methods of hand-washing. Therefore, this benefit will be reinforced in the positioning. The Tippy-Tap will be presented as the most economic and practical way to make your infant pretty and happy.

Due to the complexity of steps required for correct handwashing using the Tippy-Tap, planners perceived a need to reduce the "cost" of the innovation to the mother by systematically involving other members of the family in its installation, use, and maintenance. Cultural norms revealed by the formative research were reviewed in order to understand the role of other family members in family decisions and work distribution. These were then used as a basis for identifying where the father and older sibling should be incorporated into the strategy.

Nino Choj-chik, an older sibling between the ages of 8 and 14, will be selected in each family to maintain the Pretty Corner and assist the mother in the handwashing of the children under-three. This role supports the cultural patterns wherein children assist in water management and in attending younger siblings.

The role of the father builds on existing cultural patterns wherein he is responsible for policy-level decisions. Planners determined that the physical reorganization of the home and the new role of the Nino Choj-chik required an active role of the father in the program. Fathers will be called on to verbally reinforce improved washing behaviors, to install the tippy-tap unit, purchase soap, etc.

INCAP will now proceed with two activities: 1) development of the materials and training for Phase I of the Communications Plan, and 2) implementation of a Behavioral Study/Product Test of the Pretty Corner/Tippy-Tap. During Ms. Booth's next consultancy in November 1990, she will assist in the analysis of the Behavioral Study, a review of the activities to date. The final Communications Plan for Phase II will be developed by based on the results of these two activities.

Additional Activities in Guatemala

On her return from Honduras, Program Officer Julia Rosenbaum took the opportunity to stop in Guatemala on September 10 to meet with ROCAP and INCAP counterparts to discuss past and pending activities. Ms. Rosenbaum met with ROCAP Project Officer Sandra Callier, USAID Child Survival Fellow, Dr. Al Bartlett, INCAP Communication and Dissemination Director Magda Fischer, INCAP Anthropologist Dr. Elena Hurtado, Educator Juan Rivera and Johns Hopkins Doctoral Candidate Dirk Schroeder. All stressed the need for technical assistance efforts that strengthened "core capabilities" of INCAP staff to carry-out communication and training activities. Requests for future technical assistance were then reviewed with this in mind, to focus the assistance on long-range as well as immediate goals.

INCAP has requested the assistance of NCP to work on the communication strategy that will be used when revising INCAP's long-range plan. Elizabeth Booth has been asked to extend her November visit to include an extra week with Fischer's Information and Dissemination Unit on strategic planning.

LAC Regional

On August 7, Valerie Uccellani met with Mary Ellen Duffy Tanamly, Health Development Officer and Dr. Elba Velasco, Child Survival Fellow of the Latin America Bureau to discuss the technical content of the draft script for the training video on communication skills in GMP. Central to the discussion were strategies to ensure that the video be appropriate and acceptable for use by Ministries of Health in the region. The LAC Bureau indicated interest in facilitating the supply of video copies to Ministries in the region, possibly through USAID missions. This will be discussed in more detail once the first edit of the video is complete.

On August 9, NCP arranged a briefing on LAC activities for the new A.I.D. team managing nutrition and child survival activities in the LAC region: Dr. Elba Velasco and Ms. Mary Ellen Duffy Tanamly. Ms. Tanamly requested a briefing to review some of the innovative activities being carried out in Africa. This was arranged by Claudia Fishman on September 18.

III. TRAINING AND EDUCATIONAL MATERIALS

State of the Art Workshop for A.I.D. Field Staff

NCP Program Officer, Valerie Uccellani, and intern Debra Johnson worked with Dr. Norge Jerome, Director, Office of Nutrition, to develop a session through which A.I.D. health/population/nutrition officers could discuss the crucial elements of successful community nutrition programs. The session was a part of the annual State of the Art (SOTA) workshops for A.I.D. program staff held in July. Participant feedback indicated that the session was successful in encouraging HPN officers to look for innovative ways to get the "N" into the health agenda of the countries in which they work.

NCP Deputy Director, Claudia Fishman, co-facilitated a session on Social Marketing and Communications for various health, population and nutrition interventions. She illustrated her talk with recent NCP research from Mali, Niger and Burkina Faso as well as the Burkinabe slide show, "Burkinabe Families on the Road to Health." SOTA workshop attendees found this portion of the presentation to be particularly relevant to developing country situations, appreciating the degree to which the final media product relied on the input of villagers, reflecting their living conditions and point of view.

Training Video on Communication Skills in Growth Monitoring and Promotion

In this quarter, significant progress was made in the production of a Spanish-language training video on Interpersonal Communication Skills in Growth Monitoring and Promotion (GMP) Programs. The video is being produced by NCP, in collaboration with UNICEF, for use in the training of field supervisors and health workers currently involved in GMP programs in Latin America and the Caribbean (LAC). Between July 15 and 26 July, Valerie Uccellani worked in Guatemala City with members of the production team from the Centro Regional de Audiovisuales (CREA). She provided the creative team with the technical content of the video script outline, and together they developed a draft script. Ms. Uccellani worked with Dr. Rosa Amurrio, INCAP consultant, and the CREA team to design and conduct a trial pretest of the draft video script. This field exercise was accomplished through dramatizations and group discussions with fieldworkers of Project Hope in Quetzaltenango. After the trial pretests, Ms. Uccellani and Dr. Amurrio further tested two key scenes of the draft script by asking Ministry of Health workers in Antigua to act them out. These field exercises were valuable in guiding decisions for further development of the script. Ms. Uccellani and the CREA team defined



Role playing scenes from the draft video script with health workers in Antigua, Guatemala. This provided NCP with valuable feedback on the dialogue, the setting, and the messages of selected scenes for further script development.

Ha

production steps for the video animatic (mock-up), the final video script, and the final training video.

In August, NCP worked with the CREA scriptwriter to develop a complete draft script, drawing on the results of field exercises carried out in Guatemala, and on the input of a group of specialists in Nutrition, Education, and Anthropology with extensive experience in GMP in the LAC region. In early September, CREA produced a video animatic -- an audiovisual tape of the draft video script using slides from Bolivia, the Dominican Republic, and Guatemala -- to be used in pretests.

In September, the animatic was pretested in six LAC countries based on a pretesting plan, designed by Ms. Uccellani and AED Senior Communication Officer, Dr. José Romero. Following intensive training by NCP, CARE fieldstaff in each LAC country conducted focus group discussions with the video's target audience following the guidelines provided by NCP (CARE training discussed below). The objectives of the pretests were to evaluate the script with regard to audience perception, acceptability, comprehension, and appropriateness. Results of the pretests are currently being analyzed and will be used to guide revision decisions on the final video script for maximum utility and appeal on a broader regional level.

Several potential routes for distribution of the final training video have been explored during this quarter including A.I.D. missions and UNICEF field offices in the LAC region, as well as INCAP offices in Panama and Central America.

Training Manual: Strengthening Communications for Nutrition and Growth Promotion

During the past three months, With technical input from the NCP team, and Fred Zerfas of LTS, consultant Jane Vella developed a complete revised Part I of the training manual: Learning to Listen to Mothers. The manual is conceived in three parts: Part One will focus on Strengthening Communication Skills for Nutrition, Growth Monitoring and Promotion through workshop activities; Part Two will focus on Supervising and Monitoring the Performance of Communication Skills in the field; and, Part Three will focus on Confirming Skills Training through a brief follow-up workshop. The draft of Part I of the manual is a two-day training workshop teaching fieldworkers skills for two-way communication with mothers to help them make decisions about the nutrition and growth of their children. As will the rest of the manual, Part I draws on a tried-and-tested participatory approach to adult learning that has been applied successfully to many types of adult education the world over.

During this quarter, NCP reviewed the draft of Part I and developed a framework for revision and fieldtesting. Margaret Parlato met with Dr. Vella on July 23 to go over these recommendations while she was in Washington on other business. The plan for fieldtesting calls for distributing the draft to coordinators of PVOs working in English-speaking regions together with an observation checklist. The coordinators, in turn, will observe selected field trainers using the manual in a workshop with healthworkers who actually conduct GMP with their communities. The coordinators' observations will provide information on the following: 1) revisions needed so that trainers can effectively use the manual, given limited or no prior experience in



Training of CARE fieldstaff from 6 Latin American/Caribbean countries.

15/12

participatory training; and, 2) content revisions needed so that the skills and recommendations contained in the manual are appropriate and appealing for the healthworkers whose GMP efforts it aims to support.

CARE Training Supported by FVA Buy-in

Through support from the Bureau for Food for Peace and Voluntary Assistance, Office of Program Policy and Management, and the Office of Nutrition, NCP conducted a series of workshops for CARE fieldstaff from 6 countries in Latin America. This was in response to requests from CARE field offices for training on the fundamentals of pretesting health education/promotion materials, and on the use of focus groups for collecting qualitative data. NCP designed and conducted a series of three, two-day workshops in Guatemala (for Guatemalan and Honduran staff), in Bolivia (for Bolivian and Peruvian staff) and in the Dominican Republic (for Dominican and Belizian staff). The overall strategy of the workshop was to conduct an intensive training specifically on the use of focus groups to pretest audiovisual materials, and to provide each CARE team with an actual animatic video for pretesting in their country following training. This two-step training design was especially effective because it enabled CARE fieldstaff to participate in pretesting the NCP training video on interpersonal communication skills in growth monitoring, a video intended for use by groups such as CARE.

AED Senior Communication Advisor, José Romero, was the principal facilitator of the workshops. In her role as training coordinator and PVO liaison for NCP, Valerie Uccellani, planned the workshops and co-facilitated the workshops in Guatemala and the Dominican Republic. The dates of the workshops were as follows: Guatemala September 10 - 12, Bolivia September 14 - 15, and the Dominican Republic, September 19 - 20.

The workshop curriculum included an overview of the following: 1) different applications of focus groups and of other methods to pretest communication materials; 2) planning and execution of focus group pretests; 3) analysis of focus group results, and use of the findings to improve educational material. Participants ran a practice focus group to pretest the draft NCP/UNICEF training video on Communications Skills in Growth Monitoring and Promotion Programs. The participants critiqued their own performance in the focus group, and practiced organizing and analyzing the results of the trial pretest. Following this intensive training, each CARE office conducted 3 - 6 focus groups to pretest the video in their country, according to the pretest design developed by NCP. The results, to be analyzed in the month of October, will be used to guide filming of the video.

RENA Workshop for Africa

Planning began for the second regional training workshop for Francophone Africa to be held at the University of Liège, June 2-16, 1991. The workshop will focus on providing skills in the design, execution and evaluation of nutrition communication plans. Mr. Michel Andrien, from the Réseau de Nutrition Pour la l'Afrique (RENA), Dr. Hughe Koné from the Centre for Communication Research in Abidjan (CERCOM), and Margaret Parlato of AED are scheduled to meet in Washington in early March to develop the curriculum.

Vitamin A Communication Manual for Program Planners

Work on the manual continues. This quarter Mark Lediard and Claudia Fishman reviewed several new segments that have been drafted. A full draft is expected in December/January.

IV. WORKING LIBRARY

In this quarter assistance was provided to a variety of organizations and individuals seeking information on Vitamin A, Nutrition, Breastfeeding, and Growth Monitoring and Promotion. Country-specific inquiries focused on Mali and Burkina Faso, and LAC region materials were frequently requested.

NCP provided materials to various organizations including O.R.A.N.A., Dakar, Senegal; RENA, Liège, Belgium; World Vision, Mauritania; Catholic Relief Services, Cairo, Egypt; A.I.D., Washington, DC; and Lutheran Hospital Yahe, Nigeria. In addition, a list of library holdings on breastfeeding education was prepared for the APHA Clearinghouse on Infant Feeding and Maternal Nutrition.

New material on primary health care, maternal nutrition, Vitamin A, and other nutrition subjects, were acquired for the collection from organizations such as the Ford Foundation, New Delhi; PRITECH; the Institute for International Program, Johns Hopkins University; and the International Nutrition Anemia Consultative Group (IVACG).

V. MEETINGS AND DISSEMINATION ACTIVITIES

Expert Meeting on Optimal Infant Feeding Practices

The Nutrition Communication Project (NCP) brought together leading experts on breastfeeding, maternal nutrition and infant feeding for a two-day meeting to answer a range of technical questions that breastfeeding promotion projects are facing in the field as they begin to apply the A.I.D. Guidelines "Breastfeeding for Child Survival."

The format of the meeting was a systematic review of the scientific and technical facts that must guide programs in coming up with country-specific decisions. A list of technical questions was drawn up before the meeting for the experts to answer. They revolved around the following frequently encountered country situations:

- Deeply held concerns of policymakers and health care providers that poor maternal nutritional status in their countries makes it impossible for women to breastfeed for more

than 3 or 4 months. (A.I.D. guidelines and those of other international organizations stress importance of maintaining exclusive breastfeeding for 4-6 months.)

- Widespread practice around the world of giving water and teas to breastfeeding babies, thus contributing to diarrheal mortality and morbidity in this vulnerable age group.
- Uncertainty at the country and community level about how to determine appropriate age for introduction of complementary foods within the 4-6 month period advocated by the international scientific community.

Based on the evidence presented at this meeting, NCP will prepare a short document in **Question and Answer Format** for A.I.D. HPN Officers and their counterparts. This will address the most frequently asked questions in a short, straightforward fashion. A Technical Report is also being prepared by NCP consultant Peggy Koniz-Booher, who served as rapporteur for the meeting.

There was considerable consensus among the experts. Highlights include:

- There is not enough scientific research to provide answers regarding the role of breastfeeding in causing maternal depletion. However, studies show that breastfeeding does offer women perhaps their best nutritional protection, as it can help delay their next pregnancy -- and the well-studied nutritional demands on the mother and nefarious consequences for the next child.
- There is good evidence from several countries that breastfed babies do not need additional water. Research demonstrates that introducing any liquid increases the danger of infection for the child. Further research, however, is badly needed to determine the public health impact of giving different kinds of liquids so that programmers can begin targeting entrenched practices in a systematic and cost-effective fashion.
- The longstanding debate on whether to recommend introduction of solid foods at 4, 5 or 6 months is still being waged, although the experts felt the evidence warranted clearing up the confusion and recommending holding off food until 6 months. The debate highlighted the urgent need to develop growth standards for breastfed babies since existing standards falsely show growth faltering. The experts recommended holding a "Bellagio" type meeting to compile existing data sets on growth of infants exclusively breastfed for at least 6 months from different populations (e.g. U.S., U.K., Canada, Australia) to generate interim growth charts specific to breastfed infants. This could guide country programs until a more permanent standard is adopted.

International Nutrition Planners Forum

Mark Lediard participated with the Nutrition Foundation in planning the Sixth INPF . The conference, which will be held in Bangkok this June, will focus on Social Marketing.

Other Dissemination Activities

Julia Rosenbaum represented NCP at several conferences this quarter. In early July, she attended the USAID sponsored conference on "Rapid, Low-Cost Research" held in Arlington. She also attended the Center for Population Options annual conference, and the American Public Health Association Meeting in New York City, where she served as an IEC Resource Specialist at a session on breastfeeding promotion, organized by the APHA Clearinghouse on Maternal and Infant Nutrition.

Coordination with Other Organizations

- **WHO:** Discussions about collaborative research continued between WHO Diarrhoeal Disease Control Program and NCP. In September, Dr. Isabelle De Zoysa, WHO Research Coordinator for Diarrhoeal Diseases Control Programs, NCP Director Parlato, Program Officer Julia Rosenbaum discussed research activities in Honduras. WHO is interested in supporting project evaluations of specific activities aimed at promoting breastfeeding. General interest was expressed in a descriptive evaluation of Honduras breastfeeding promotion activities, an evaluation that could provide a vital "lessons learned" focus to be shared with other institutions working on breastfeeding promotion.
- **FAO:** Dr. Maxim Buyckx, of the Vitamin A Programme in Rome visited AED on July 26 to discuss the Sahel Vitamin A Communication Strategy with Margaret Parlato and Claudia Fishman. An agreement was made to have NCP participate in the planned Needs Assessment and Project Planning in Mali this October.
- **Development Associates:** On 28 August, Ms. Uccellani met with Daniel Thompson, Materials Officer and Susan Egress, Evaluation Officer, of Development Associates to exchange information of effective strategies for the evaluation of training activities. The exchange on complex issues such as evaluating the effect of the training on performance outside of the training environment was a productive one.
- **CRS:** On 1 August Project Manager Andrea Usiak, while in Cairo, Egypt on non-NCP business met with Dr. Mohamed El-Ghorab, Manager of Health and Nutrition Education at Catholic Relief Services/Egypt. They discussed the possibility of collaborating on one of the CRS day care center/nutrition projects, in particular, a new project being developed in the Sohag governorate. Valerie Uccellani subsequently met with Helen Bratcher of CRS/Baltimore to further explore possible areas of technical assistance the NCP project could provide to CRS.
- **INCAP:** On 17 September in Guatemala City, Ms. Uccellani met with Magda Fischer, Director of the Dissemination and Information Unit, INCAP, to explore options for INCAP decentralized offices to act as distribution centers for the NCP/UNICEF training video on Interpersonal Communications in GMP. Fischer indicated that INCAP is very interested in taking on this role to provide regional NGOs with the video upon request.

- **CARE:** During this quarter, Ms. Uccellani had several meetings with CARE to collaborate on the content, design, and logistics of the NCP training for Latin America fieldstaff. On July 17 in Guatemala City, Uccellani met with Dra. Barbara Jackson, MCH Project Director, CARE/Guatemala to elicit feedback on the preliminary plans developed by NCP in response to CARE's requests for training in focus group pretesting. On 14 August, at AED, Uccellani met with Chris Roessel, MCH Director, CARE/Bolivia, to discuss the training plans.

Ms. Uccellani and Mr. Roessel also reviewed selected scenes for the training video on Interpersonal communications on GMP, and the Training Manual: Learning to Listen to Mothers. Drawing on his extensive international experience with CARE, Roessel offered valuable feedback on the approach and messages contained in both the video and the manual.

- **World Vision:** John Chadilt from the Mauritania Vitamin A project met with NCP staff in August to discuss parallel activities in the Sahel.
- **USAID/Belize:** Program Officer Julia Rosenbaum met with USAID/Belize City PTC Bibi Essama to discuss possible support for their breastfeeding promotion activities. USAID is reducing support of activities in Belize, making it necessary to explore another funding mechanism.

VI. ADMINISTRATIVE

Mid-term Evaluation

The Mid-term Evaluation of the NCP was initiated in early August by a six-member team from Pragma Associates consisting of Tom Moser (team leader), Martha Figueroa, Paul Yarbrough, Ardene Kirchhofer, Patricia Avila de Hails and Leonore Suomo. Margaret Parlato was invited to the team briefing meeting on August 7, the only time that the entire team was together. Mr. Moser and Ms. Figueroa latter met with NCP staff on a number of occasions. Two members of the team visited Honduras and Guatemala and another two members visited Mali and Burkina

Faso. The Latin America team was accompanied by Dr. Eunyong Chung, Project Monitor for NCP. The Evaluation is scheduled for completion November by 15.

Administrative Procedures

NCP has been working closely with Project Monitor, Dr. Eunyong Chung, strengthening the project administration and getting feedback on establishing procedures. These activities, initiated in May when Dr. Chung joined the Office of Nutrition, were put on hold during the 5 week

period, July 30 - August 31, while Dr. Chung was in full-time training. Nevertheless, considerable progress has been made in streamlining procedures.

Following is a summary of principal administrative actions taken during the last project quarter:

- Periodic meetings with AED Contract Office staff have continued to review progress on pending contractual issues. These meetings have been very helpful.
- Second Letter of Agreement between the Ministry of Health and Social Action of Burkina Faso and AED has been sent for appropriate signatures. This follows the government's approval in July of plans to carry out the new project and the Mission's notification of a new buy-in to NCP.
- Fixed-price subcontract with Fiduciaire d'Expertise Comptable et de Contrôle de Gestion (FIDEXCO) was executed. This contract provides for accounting services in Burkina Faso in support of field activities in cooperation with the Ministry of Health (MOH), Direction de la Santé de la Famille (DSF).
- Fixed-price subcontract with Centro Regional de Audiovisuales (CREA) was executed. This subcontract is jointly funded by UNICEF and by A.I.D. for a 30-minute video tape on Growth Monitoring and Promotion Programs in Latin America and the Caribbean.
- A contract was signed with UNICEF under an agreement by which they will fund the production of the training video on growth monitoring.

Financial Manager, Jeffrey Dietrich, worked on developing and revising the following budgets and reports during the quarter:

- Budget for project Year Four
- Budget for Child Survival Initiative/Africa Bureau Buy-in.
- Kenya budget for proposed use of funds remaining from Sudan and Swaziland.
- Budget for new Burkina Faso Mission Buy-in proposal.
- Review of all subcontractor spending on core and buy-in projects to date.
- Prepared final accounting of Haiti expenditures for the purpose of de-obligating remaining funds.
- Prepared financial analysis for S&T/N's October Portfolio Review

Also during this quarter, Vince Theel helped update the Year Three Project Budget.

VII. STAFF

Ximena Sheehy-Downey joined NCP staff as Project Manager in September to replace Andrea Usiak who took on a new role as Deputy Director of AED's Population and Nutrition Unit.

Student file clerks continue to work on a part-time basis assisting the project. Cynthia Arciaga and Adriana Tschinkel share these tasks.

The recruiting for a Program Associate for the Africa region and a Program Assistant for the Latin America region continued and finalists were identified. They are expected to start their functions at the beginning of October.

VIII. SUBCONTRACTORS

NCP is holding year-end meetings with all its subcontractors this quarter. Margaret Parlato, Claudia Fishman and Anne Roberts traveled to Baltimore August 30 for a project review with new Johns Hopkins University Nutrition Chairman, Dr. Benjamin Caballero and his staff. Discussions with Porter/Novelli were also held in August; discussions with Wellstart are scheduled for early October when Dr. Naylor is in Washington.

IX. DELAYS, PROBLEMS, AND ACTIONS TAKEN TO ADDRESS THEM

NCP delayed plans to film the training video on Interpersonal Communication in GMP, originally slated for August, in order to allow for the production and pretesting of an animatic (mock-up) of the video using existing slides and full narration. This decision was made jointly by AED and CREA, based on their experience in using animatics vs. storyboards for a regional training piece that is expected to require substantial script revisions after pretesting. Since such revisions are costly, requiring considerable editing and possibly refilming, a decision was made to pretest the more realistic animatic (rather than the planned storyboards). This has meant pushing filming back to November.

Discussions have been initiated with both the Office of Nutrition and the Africa Bureau regarding the need to obtain additional technical staff to help execute the series of activities being undertaken under the new African Feeding Initiatives buy-in that must be completed within the next 15 months. This includes a regional conference; video; site visits to 8 countries; a comprehensive review of literature and programs on infant feeding in Africa, and; follow-up technical assistance. At the same time, the Africa Bureau is exploring the possibility of extending the period of performance for this buy-in.

IX. KEY ACTIVITIES NEXT QUARTER

- **Filming and completion of the training video on Interpersonal Communication in GMP.**
- **Launch of project activities in Kenya focused on adding a feeding component to the national Diarrheal Disease Control Program.**
- **Start-up of the Vitamin A Mini-Project in Niger.**
- **Completion and distribution of a series Questions and Answers for the field on Optimal Infant Feeding Practices and a Technical report on the Expert Meeting on this subject.**
- **Training workshop in Mali for CARE, Africare, World Vision and the MOH on interpersonal communication techniques and use of new educational materials.**

APPENDIX A

BUDGET ANALYSIS

NUTRITION COMMUNICATION PROJECT (NCP)

CONTRACT NO. DAN-5113-Z-00-7031-00

FILENAME: NUSPEN12

OCTOBER 31, 1990

FINANCIAL REPORT FOR PERIOD JULY - SEPTEMBER '90

A	B	C	D	E	F	G
FUNDING SOURCE	PROJ #	OBLGD FUNDS THRU 09/30/90	EXPENDITURES INVOICED THRU 09/30/90	EXPENDITURES SPENT/ NOT INVOICED	EXPENDITURES THRU 09/30/90 (D+E)	REMAIN FUNDS (C MINUS F)
I. S&T Funds (not incl. Vitamin A nor INPF Conference)						
General Costs	21300000	2,262,657				595,399
Haiti/Central	21300001		1,539,371	55,815	1,595,186	
Niger/Central	21300003		8,171	0	8,171	
Bolivia/Central	21300005		7,292	0	7,292	
Sudan/Central	21300007		372	0	372	
Jordan/Central	21300009		65	0	65	
FVA/CARE-CRS/ Central	21300012		17,461	0	17,461	
			6,498	4,273	10,771	
Peru/Centr&l	21300011		27,940	0	27,940	
Burkina/Central	21300014	21,675	12,746	2,055	14,801	6,874
Abidjan Wkshop/Central	21300020	23,536	9,531	0	9,531	14,005
Honduras/Central	21300027	51,132	6,398	1,500	7,898	43,234
Total S&T (Other than Vitamin A and INPF Conference)		2,359,000	1,635,845	63,643	1,699,488	659,512
II. S&T Vitamin A Activities						
General	2130001700	100,000	65,166	3,299	68,465	31,535
Niger	2130001701	50,000	10,297	456	10,753	39,247
Mali	2130001702	50,000	7,993	8,087	16,080	33,920
TOTAL S&T Vitamin A Activities		200,000	83,456	11,842	95,298	104,702
III. INPF Conference						
	21300018	200,000	190,889	0	190,889	9,111
IV. Mission Funds						
Haiti/Mission	21300002	39,996 *	29,825	0	29,825	10,171
Niger/Mission	21300004	61,733 +	56,668	0	56,668	5,065
Bolivia/Mission	21300006	15,685 **	0	0	0	15,685
Burkina/Mission	21300013	114,051 ***	59,792	7,160	66,952	47,099
Burkina/Mission (Local Costs)	21300016	10,138	8,788	0	8,788	1,350
Honduras/Mission	21300026	235,000	135,719	24,539	160,258	74,742
Mali/Mission	21300031	50,000	11,006	10,045	21,051	28,949
Funds To Be Deobligated		(30,856)	0	0	0	(30,856)
Total Mission		495,747 ++	301,798	41,744	343,542	152,205

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A	B	C	D	E	F	G
FUNDING SOURCE	PROJ #	OBLGD FUNDS THRU 09/30/90	EXPENDITURES INVOICED THRU 09/30/90	EXPENDITURES SPENT/ NOT INVOICED	EXPENDITURES THRU 09/30/90 (D+E)	REMAIN FUNDS (C MINUS F)
V. Bureau Funds						
LAC Bureau						
LAC/Breastfeeding Evaluation	2130001501	20,825	1,994	19,392	21,386	(561)
LAC/Breastfeeding Manual	2130001502	15,500	14,982	0	14,982	518
General Account	2130001500	3,675	3,632	0	3,632	43
Total	21300015	40,000	20,608	19,392	40,000	0
Sudan/AFR Bureau	21300008	99,763	99,763	0	99,763	0
Kenya/AFR Bureau	21300033	50,237 ***	3,311	0	3,311	46,926
FVA/CARE-CRS/Food & Vol Assist Bureau	21300010	24,993	9,419	3,134	12,553	12,440
Abidjan Wkshop/REDSO/WCA	21300019	105,000	97,494	2,671	100,165	4,835
Guatemala/ROCAP	21300022	34,738	14,886	19,182	34,068	670
Burkina/Africa Bureau	21300023	29,736	1,628	0	1,628	28,108
Niger/Africa Bureau	21300024	35,000	1,861	0	1,861	33,139
Swaziland/Africa Bureau	21300025	80,000	15,682	11,537	27,219	52,781
Abidjan Workshop Follow-up/Africa	21300028	20,000	12,301	1,798	14,099	5,901
Mali/Africa Bureau	21300030	40,000	2,319	7,032	9,351	30,649
Child Survival Init./Africa Bureau	21300034	500,000	3,194	3,425	6,619	493,381
Total Bureau		1,059,467	282,466	68,171	350,637	708,830
GRAND TOTAL		4,314,214	2,494,454	185,400	2,679,854	1,634,360

* \$10,171 of total \$39,996 obligation to be de-obligated

** Total \$15,685 to be de-obligated

*** Total Burkina Mission buy-in is \$124,189; \$10,138 of this is local in-country costs (Project # 21300016).

+ Approximately \$5,000 to be de-obligated.

++ Total obligated mission funds (\$526,603) minus \$30,756, per above notes

+++ Balance of unused Sudan money allocated for Kenya project use

	S & T (other than Vitamin A & INPF Conf.)		S & T Vitamin A	S & T INPF Conference	MISSION	BUREAU	TOTAL
I. Obligations thru 09/30/90:	2,359,000	200,000		200,000	495,747	1,059,467	4,314,214
II. Expenses Invoiced thru 09/30/90	1,635,845	83,456		190,889	301,798	282,466	2,494,454
III. Funds Spent thru 09/30/90	1,699,488	95,298		190,889	343,542	350,637	2,679,854

Total Budget Ceiling = 8,420,507

% Obligated S&T Funds Invoiced thru 09/30/90 (not incl. Vitamin A & INPF Conference)	69.34
% Obligated S&T Vitamin A Funds Invoiced thru 09/30/90	41.73
% Obligated INPF Conference Funds Invoiced thru 09/30/90	95.44
% Obligated Mission Funds Invoiced thru 09/30/90	60.88
% Obligated Bureau Funds Invoiced thru 09/30/90	26.66
% Total Obligated Funds Invoiced thru 09/30/90	57.82
% Invoiced Against Budget Ceiling thru 09/30/90	29.62

APPENDIX B
TRAVEL THIS QUARTER

NCP TRAVEL July 1 - September 30, 1990

Traveler	Destination	Dates	Comments
F. Ehlers	Honduras	July 9-17	AED
V. Uccellani	Guatemala	July 15-26	AED
N. Qualls	Washington, DC	July 13	AED
L. Shafritz	Swaziland	July 21 - August 4	AED
J. Rosenbaum	Honduras	July 29 - August 5	AED
R. Cohen	Honduras	July 24 - September 22	AED
B. Booth	Guatemala	August 12-19	AED
P. Gottert	Mali	September 3-12	AED
V. Uccellani	Guatemala	September 5-18	AED
V. Uccellani	Dominican Republic	September 18-21	AED
J. Romero	Guatemala	September 5-12	AED
J. Romero	Bolivia	September 12-17	AED
J. Romero	Dominican Republic	September 17-21	AED
R. Hornik	Washington, DC	September 14	AED
C. Lutter	Washington, DC	September 23-25	AED
K. Dewey	Washington, DC	September 23-25	AED
A. Kirksey	Washington, DC	September 23-25	AED
B. Winikoff	Washington, DC	September 23-25	AED

Traveler	Destination	Dates	Comments
R. Northrup	Washington, DC	September 23-25	AED
K. Brown	Washington, DC	September 23-25	AED
K. Merchant	Washington, DC	September 23-25	AED
C. Fishman	Rome	September 30 -October 1	P/N

30'

APPENDIX C
TRAINING EVENTS AND WORKSHOPS

Training Events and Workshops

Dates	Number of Participants	Country	Description of Activities
July 10 & 14	20	Honduras	Two half-day workshops for MOH counterparts from Nutrition, MICH and HED in development of television spots and mini-documentaries for nutrition.
July 12	40	Worldwide	Orientation session on application of social marketing to nutrition for A.I.D. HPN officers attending the State of the Art Training Workshop in Washington.
Aug. 28-30	45	Honduras	Training of Honduras researchers in qualitative research activities - theory, role play, exercises.
Sept. 3-15	6	Mali	Field training of regional MOH staff and Child Survival Project fieldstaff from CARE, Africare and Worldvision in pretesting techniques.
Sept. 10-11	6	Guatemala Honduras	Trained CARE fieldstaff (and trained coordinators, supervisors, and field researchers) in pretesting health promotion materials through focus groups.
Sept. 14-15	10	Bolivia/Peru	Same as above
Sept. 19-20	6	Dominican Rep. Belize	Same as above

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APPENDIX D

SHORT TERM TECHNICAL ASSISTANCE

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Appendix D

**Short-term Technical Assistance
July - September, 1990**

<u>Country</u>	<u>Number of Weeks</u>		<u>Total Weeks</u>
	<u>Staff</u>	<u>Consultants</u>	<u>of TA</u>
<hr/>			
<u>Africa</u>			
Mali	1.5	5.5	6.5
Swaziland	-	3.5	3.5
<u>LAC</u>			
Guatemala	.5	3	3.5
Honduras	4	14	18
Regional Care Training	2	3	5

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