

QUARTERLY REPORT #7: OCTOBER - DECEMBER 1979

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Project Number: 931-1011.14

FUNCTIONAL SIGNIFICANCE OF MARGINAL
NUTRIENT DEFICIENCIES: PROGRAM-PROJECT PLANNING

By

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Prepared For

United States Agency for International Development

and the Joint Research Committee

Board for International Food and Agricultural Development

SEVENTH QUARTERLY REPORT ON THE FUNCTIONAL
SIGNIFICANCE OF MARGINAL NUTRIENT DEFICIENCIES

A Planning Meeting of Principal Investigators, expert consultants, and representatives was held December 13-17, 1979, at the University of California, Berkeley. (Attendance, Table 1). The purpose of the meeting was to discuss and agree upon intake measurements, nutritional status measurements, and research design to be common for all projects within the CRSP.

The Agenda (Table 2) indicates the areas of contribution and areas of discussion by the participants. Status reports by BIFAD, USAID, and the Planning Contractor on Thursday indicated that participants should plan projects under the assumption of funding by Congress. Food consumption methods were discussed on Thursday afternoon. Nutritional status measures were discussed Friday rather than Monday morning to allow Dr. L. Schumann to participate. Research design and research management were discussed Friday afternoon. A Saturday session was scheduled in order for the participants further to share research design ideas. Monday morning was devoted to review of documents prepared dealing with food consumption, nutritional status, and research design. Monday afternoon, continuing scientific (not financial) management was discussed. Participants agreed in principle to the Program Director having major responsibility to manage the CRSP: programmatic development is seen as independent and overriding any administrative channels.

Participants agreed that the items requiring standardization across projects in the CRSP were as follows:

Food Consumption Method

food weighing and measurement at time of consumption

24-hour recall

Nutritional Status Measure

anthropometry

hematology, biochemistry (for specific proteins, vitamins, minerals),
urine osmolarity

clinical examination

Research Design

sample size and rationale for that N (stratified sample of infants)

cycle of measurements, modified with respect to season, socioeconomics,
physiological changes, etc.

Focus of Measurement

family

independent variable = food intake, aggregated → energy

With these ideas in mind, each project group was to rewrite their proposal and return it to the Planning Contractor by January 15, 1980. Each project was also to vote on the prime contracting institution and the Program Director for the CRSP by January 15. Each project received two votes: one allocated to the overseas PI; one allocated to the US PI or among the group of PI's. The Thai/Hawaii votes are held pending AID Thailand approval.

CRSP PLANNING MEETING - ATTENDANCE
December 13-17, 1979
University of California, Berkeley

PRINCIPAL INVESTIGATORS AND REPRESENTATIVES

Dr. Lindsay Allen
Nutritional Sciences Department
University of Connecticut
Storrs, Connecticut

Dr. James Kagia
Department of Community Medicine
Kenyatta National Hospital
Nairobi, Kenya

Robin D. Beall
Nutritional Sciences Department
University of California
Berkeley, California

Dr. Elmer Kiehl (12/13 - 12/14)
BIFAD/USAID
Department of State
Washington, DC

Dr. Doris Calloway
Nutritional Sciences Department
University of California
Berkeley, California

Dr. Charlotte Neumann
School of Public Health
University of California
Los Angeles, California

Dr. Adolfo Chavez
Instituto Nacional de la Nutricion
Avenue San Fernando y Viaducto Tlalpan
Mexico 22, D.F. Mexico

Dr. Gretel Pelto
Nutritional Sciences Department
University of Connecticut
Storrs Connecticut

Dr. Hekmat El-Sayed Aly
Nutritional Institute
Ministry of Health
Cairo, Egypt

Dr. Johnnie Prothro (12/13 - noon 12
BIFAD
School of Applied Sciences
Tuskegee Institute
Tuskegee, Alabama

Dr. Gail Harrison
Department of Family & Community Medicine
University of Arizona
Tucson, Arizona

Dr. Ronald Watson
Department of Foods and Nutrition
Purdue University
W. Lafayette, Indiana

Dr. Irwin Hornstein
Office of Nutrition, USAID
Agency for International Development
Washington, D.C.

Dr. Christina Wood
Department of Immunobiology
Karolinska Institute, Wallenberg Lab
Stockholm, Sweden

EXPERT CONSULTANTS

Dr. George Beaton
Department of Nutrition and Food Science
University of Toronto
Toronto, Canada

Dr. Leonard Schumann (noon 12/14 - 1
Department of Epidemiology
School of Public Health
University of Minnesota
Minneapolis, Minnesota

Dr. Patrick Francois
Food and Agriculture Organization
Via delle Terme di Caracalla
Rome 00100, Italy

Dr. Aree Valyasevi
Institute of Nutrition
Mahidol University, Salaya Campus
Bangkok, Thailand

TABLE 2

AGENDA: CRSP PLANNING MEETING
December 13-17, 1979
University of California, Berkeley

THURSDAY DECEMBER 13 -- 120 Morgan Hall

9:00-12:00 PROJECT PLANNING

- I. Introduction of participants
- II. Status report on CRSP planning
BIFAD: J. Prothro/E. Kieh1
USAID: I. Hornstein
UCB: D. Calloway
- III. Group discussion of items in CRSP that require standardization across projects

LUNCHEON -catered to meeting room

1:30-5:30 FOOD CONSUMPTION METHODS

- IV. Current developments in methodology for food consumption surveys: P. Francois, FAO
- V. Anthropologic approaches to food intake measurement:
G. Pelto, Connecticut
G. Harrison, Arizona
- VI. Group discussion of project food intake measurement at household and individual levels
- VII. Direction and assignment of responsibility for preparation of draft plan for CRSP food intake measures to be used by all projects

7:30 DINNER -- The Good Earth
2175 Allston Way (at Oxford), Berkeley

FRIDAY DECEMBER 14 -- 138 Morgan Hall

9:00-12:30 RESEARCH DESIGN AND MANAGEMENT

- VIII. Statistical problems:
G. Beaton, University of Toronto
- IX. Data management problems:
P. Francois, FAO
- X. Design considerations: L. Schumann, University of Minnesota

1:00 LUNCHEON -- The Swallow
University Art Museum,
2626 Bancroft Way,
Berkeley

2:30-5:00 RESEARCH DESIGN, Continued

- XI. Group discussion of project research design
- XII. Direction and assignment of responsibility for preparation of draft plan for CRSP research design to be used by all projects

7:30 DINNER -- King Tsin
1699 Solano Avenue
Berkeley

SATURDAY DECEMBER 15

Morning Working groups
Afternoon Individual project meetings

SUNDAY DECEMBER 16

Morning/afternoon Individual project meeting

MONDAY DECEMBER 17 -- 120 Morgan Hall

9:00-1:00 NUTRITIONAL STATUS METHODS

XIII. Current FAO approaches to nutritional status measurement:
P. Francois, FAO

XIV. Nutritional status measurement in relation to growth and reproduction:

A. Chavez, INN Mexico
C. Neumann, University of California, Los Angeles
A. Valyasevi, Institute of Nutrition, Thailand
Hekmat, E.A., Ministry of Health, Egypt

XV. Nutritional status measurement in relation to disease:
R. Watson, Purdue University
J. Kagia, Dept. of Community Health, Kenya
R. Van Reen, University of Hawaii

XVI. Group discussion

XVII. Assignment of responsibility for preparation of draft plan for nutritional status measurement

LUNCHEON -catered to meeting room

2:00-5:00 SCIENTIFIC MANAGEMENT

XVIII. Scientific management arrangements for the CRSP

XIX. Adjournment

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