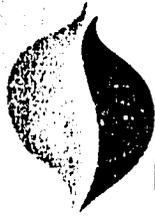


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**THE WORLD
FOOD INSTITUTE**

PDWAD678

OF IOWA STATE UNIVERSITY

July 12, 1985

Dr. Erven Long
ST/RUR
Room 309, SA-18
Agency for International Development
Washington, D.C. 20523

Dear Dr. Long:

Two copies of the Sixth Annual Progress Report and Final Report of Iowa State University's Title XII Matching Formula Strengthening Grant, AID/DSAN-G-1104, are enclosed. One copy has been sent to Mr. Darwin and seven copies to the BIFAD office.

I hope the Table of Contents will make it easy to locate specific information in the report. If you have any questions or comments, please let me know.

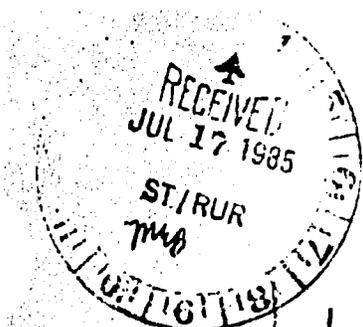
Sincerely,

Charlotte E. Roderuck

Charlotte E. Roderuck
Director, World Food Institute
and
Manager, ISU/Title XII
Strengthening Grant

/jo

Enclosures



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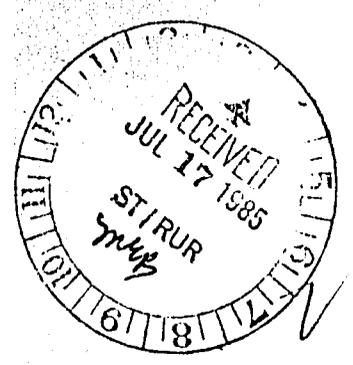
I O W A S T A T E U N I V E R S I T Y

Title XII Matching Formula Strengthening Grant

Grant No. AID/DSAN-XII-G-0114

Sixth Annual and Final Report

July 1979 - 30 September 1984



Iowa State University
Title XII Matching Formula Strengthening Grant

SIXTH ANNUAL AND FINAL REPORT

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Abbreviations and Acronyms Used

Sixth Annual and Final Report
ISU/Title XII Matching Formula Strengthening Grant

A

| | |
|------------------|--|
| A or A-base | faculty member employed 12 months/year |
| AAUW | American Association of University Women |
| Acad. | Academic |
| add'l | additional |
| Ag | College of Agriculture |
| Ag Ed or Ag Educ | Agricultural Education (department of) |
| Ag Engr | Agricultural Engineering (department of) |
| Agron. | Agronomy |
| An Sci | Animal Science (department of) |
| Anthro | Anthropology (department of) |
| ASEAN | Association of South East Asian Nations |
| AUCW | Ahfad University College for Women |
| AWID | Association for Women in Development |

B

| | |
|-----------------|---|
| B or B-base | faculty member employed 9 months/year |
| BIFAD | Board for International Food and Agricultural Development |
| Biochem/Biophys | Biochemistry/Biophysics (department of) |

C

| | |
|--------------------|---|
| C or C-base | |
| ca. | approximately |
| c.e. or curr. exp. | current expense(s) |
| Chem Engr | Chemical Engineering (department of) |
| Child Dev | Child Development (department of) |
| CIPET | Centro de Investigacion y Perfeccionamiento para la |
| conj. | conjunction <u>Educacion Tecnica</u> |
| Coop Ext Service | Cooperative Extension Service |
| CRP | Community and Regional Planning (department of) |
| CRSP | Collaborative Research Support Program |

D

| | |
|-------------|---------------------------|
| DAT | Development Advisory Team |
| dept(s) | department(s) |
| Dev or Dev. | Development |
| DOI | Documentation of Interest |
| dupl. | duplicate |

E

| | |
|-------------|---|
| E or E-base | clerical employee |
| Econ | Economics (department of) |
| Educ | College of Education |
| Engr | College of Engineering |
| Ext or Ext. | Extension (Cooperative Extension Service) |

F

| | |
|-------------------|---|
| FAO | Food and Agriculture Organization |
| Fd. | Foundation |
| FE or Family Env. | Family Environment (department of) |
| FIL | Faculty Improvement Leave |
| FLL | Foreign Languages and Literatures (department of) |
| FN or F&N | Food and Nutrition (department of) |
| Food Tech | Food Technology (department of) |
| FSSP | Farming Systems Support Program |
| FY | Fiscal Year |

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Abbreviations and Acronyms (continued)

H

H Ec or Home Ec College of Home Economics
H Ec Ed or Home Ec Educ Home Economics Education (department of)

I

IARC International Agricultural Research Center
ICRISAT International Crops Research Institute for the Semi-Arid
IDB International Development Bank Tropics
IICA Interamerican Institute for Cooperation in Agriculture
INCAP Institute of Nutrition of Central America and Panama
Inst. Institute
int'l international
Int'l Ag International Agricultural Programs
IRDP Integrated Rural Development Program
ISU Iowa State University

J

JCC Joint Career Corps
Jl/Mass Comm Journalism/Mass Communication (department of)

L

LAC Latin America/Caribbean
LDC(s) less developed country(ies)

M

MAWD Ministry of Agriculture and Water Development
MFSG Matching Formula Strengthening Grant
mgmt. management
MIAC Midamerica International Agricultural Consortium
MOU Memorandum of Understanding
M.S. Master of Science

N

NAFSA National Association for Foreign Student Affairs
N.A. does not apply
no. or No. number
Nutr nutrition (Department of Food and Nutrition)

O

OAS Organization of American States
OICD Office of International Cooperation and Development
OIES Office of International Educational Services
OSL Office of Student Life

P

PE Physical Education (department of)
PIADIC Proyecto de Informacion Agropecuaria del Istmo
Plan. Planning Centroamericano
pm, p.m., or P.M. person months
Pol Sci or Poli Sci Political Science (department of)
PPC Policy and Planning Committee
PREPS Proposals for Research, Editing Services
Prog. Programs
PPC Policy and Planning Committee
PPSWS Plant Pathology, Seed and Weed Science (department of)
P&S Professional and Scientific base

4

Abbreviations and Acronyms (continued)

| | |
|------------|--|
| <u>R</u> | |
| RDO | Rural Development Officer |
| RDSB | Rural Development Studies Bureau |
| REDSO/EA | Regional Economic Development Service Office/East Africa |
| RFTP | Request for Technical Proposal |
| <u>S</u> | |
| Sem. | Seminar |
| SH or S&H | College of Sciences and Humanities |
| Soc or Soc | Sociology (department of) |
| Soc/Anthro | Sociology and Anthropology (department of) |
| Stat | Statistics (department of) |
| St. Grant | Strengthening Grant |
| <u>U</u> | |
| UCR | University of Costa Rica |
| UN | United Nations |
| UNDP | United Nations Development Programme |
| U.S. | United States |
| USAID | United States Agency for International Development |
| USDA | United States Department of Agriculture |
| USIA | United States Information Agency |
| <u>V</u> | |
| Vet Med | College of Veterinary Medicine |
| <u>W</u> | |
| WFI | World Food Institute of Iowa State University |
| WHO | World Health Organization |
| <u>X</u> | |
| XH | casual hourly |
| <u>Z</u> | |
| ZARD | Zambian Association for Research and Development |
| ZATPID | Zambian Agricultural Training, Planning and Institutional Development |

7/11/85

7

Iowa State University

Title XII Matching Formula Strengthening Grant
Sixth and Final Annual Report

I. Introduction

Iowa State University (ISU) received a Title XII Matching Formula Strengthening Grant (MFSG) in July 1979. It was based on a proposal submitted in November 1978 plus clarifications as requested and a condensed proposal that were submitted in January 1979. The overall goal of the ISU proposal was "to increase its capability to offer educational programs, conduct research, and provide technical assistance for the purpose of increasing food availability and improving the level of living of rural families in less developed countries."

The Policy and Planning Committee (PPC) was appointed by the Vice President for Academic Affairs. It consisted of representatives from each of seven college deans' offices, i.e., an assistant or associate dean, plus a representative of the administration of the Cooperative Extension Service, and the director of the World Food Institute who was asked to serve as the chair of the PPC. It established guidelines for procedures to be followed in this MFSG and policies for participation of faculty/staff. Because the MFSG was a new program, the PPC decided to review proposals submitted for support by the MFSG, to monitor the activities undertaken, and to review reports submitted. To carry out these assignments, the PPC met regularly, averaging about once a month throughout the period from July 1979 through September 1984.

This report will summarize in the next section the activities conducted through the MFSG during the final six months of the five-year grant plus several activities that were continued into FY'85; in section III, the entire program of MFSG activities will be examined with respect to specific initial objectives presented as Attachment B in the first annual report.

II. Strengthening Activities in Last Half-year of ISU's Title XII MFSG

A. Intensive French language and cultural orientation program

Iowa State University organized and conducted an experimental ten-day intensive French language immersion camp for potential participants in Mid-america International Agricultural Consortium-sponsored (MIAC) projects in francophone Africa. Faculty members from Nebraska, Missouri, Kansas State,

II. A. (continued)

and Iowa State universities participated in the program that was held at the Iowa 4-H Camping Center near Madrid, Iowa. In addition to two French language instructors, five students from Morocco, Tunisia, and Mali assisted in conversation sessions on a 1:1 or 1:2 basis. Those participants with a background of at least one year of French improved markedly; those with less background require a longer period of intensive study to become fluent.

B. South Asia orientation seminars

During spring and summer 1984, a series of orientation seminars for South Asia (India, Pakistan, Bangladesh, Nepal, Sri Lanka) were planned following the format used for orientation seminars to East and Central Africa in Fall 1982 and to Southeast Asia in Fall 1983. Although the AID grant to Iowa State University terminated on 30 September 1984 after three seminars had been held, an additional five seminars were scheduled with funds provided by the World Food Institute of Iowa State University. For the topics and speakers, see Attachment A.

C. "Hands On" overseas experience

1. Zambia

a. Interns

Members of the on-campus advisory committee for the ISU-ZATPID (Iowa State University-Zambian Agricultural Training, Planning, and Institutional Development) project in Lusaka had met in December 1983 with representatives of the USAID/Zambia mission, of the Ministry of Agriculture and Water Development (MAWD) of the Ministry of Planning, and of the University of Zambia to prepare the scope of work for the third year of the cooperative agreement among these units. From the scope of work it was clear that sociologists would be needed in Zambia as the project proceeded. In cooperation with members of the ISU on-campus advisory committee, these following sociologists proposed that they be considered "interns" with the ZATPID project during May, June, and July 1984 (two for one month each, one for two months).

II. C. 1. a. (1) William Woodman spent one month in Zambia. His objectives were (a) to become familiar with the situation of subsistence farm families in Zambia, (b) to gain experience in social organization, transportation, and research needs in Zambia, and (c) to carry out the above objectives by working through and with ISU staff of the ZATPID project. His proposed activities included: (a) to work with ISU/MAWD staff to identify data needs for effective policy planning by the central government to improve the situation of subsistence farm families. On-farm and rural community visits were envisioned as a necessary experience to gain understanding of this sector., (b) to assist ISU/MAWD staff to construct data bases and use the bases on microcomputers. This process would require determination of the most effective uses of microcomputers in Zambian agricultural settings., and (c) to demonstrate uses of microcomputers for the ISU/MAWD staff.

The ZATPID staff was so eager for the demonstrations of micro-computer uses and the USAID staff for a report giving a job analysis for the personnel in the entire Planning Division of MAWD that Dr. Woodman did not have time to become as familiar with subsistence farming and farm families as he had hoped. Most of his internship period was spent working in the capital city, although he did make one trip to Chilongo with a staff member of the Rural Development Studies Bureau (RDSB), University of Zambia. He conducted a computer training program and prepared the job analysis report assigned to him.

(2) Motoko Lee was an intern for one month in Zambia with the ISU-ZATPID project. She was affiliated with the RDSB, University of Zambia. Her objectives were (a) to identify the current role of women in subsistence agriculture, (b) to identify changes taking place in the role of women as perceived by them, (c) to assess the needs of these women, (d) to identify types of training available as well as lacking in Zambia for women to become professionals who would assist subsistence women farmers, and (e) to identify types of training available at

II. C. 1. a. (2) (continued)

U.S. universities, in particular at Iowa State University, to train Zambian women to become such professionals.

Dr. Lee used the case study approach to obtain an understanding of the role of women among the Tonga people in Southern Province of Zambia. (Seven farm compounds and fifteen women were interviewed with assistance of personnel from the RDSB.) Because of serious drought in the area, women were spending two hours twice a day to fetch water for use by their families. Women do the major work of planting, weeding, and harvesting while male farmers clear land and cultivate it. Food, after four years of drought, was scarce and consisted chiefly of maize or millet with small amounts of other foods occasionally. Women's perceived needs under these conditions included clothes, salt, laundry soap, and petroleum jelly (for skin care). To make their work easier, the women would like to have (1) a new hoe, (2) an ox with a plow, (3) money to hire a tractor with a driver, and (4) metal pots (clay pots were made at home). A bore hole (well) and assistance with physical labor were listed also. Dr. Lee concluded that the women were not aware of other labor-saving equipment and that they did not expect to change their level of living.

In Lusaka, Dr. Lee visited with women professionals in the Department of African Development Studies and with women in the Integrated Rural Development Program (IRDP) in MAWD. The professional women, who had recently formed the Zambia Association for Research and Development (ZARD), had begun to identify needs of rural women in Zambia. More female Zambian agricultural assistants are needed according to the Swedish personnel in the IRDP/MAWD. Both professional university women and IRDP professionals agreed that cash crop emphasis in development had had negative effects on farm women. It had increased the demand for women's labor and decreased the time women could spend on family (household) activities. The value of training outside of Zambia for professionals, however, was questioned.

//

II. C. 1. a. (2) (continued)

Dr. Lee observed that rural women needed the basic resources (cereals, salt, water) for survival first and only after that had been achieved could procedures to improve the level of living with respect to nutrition and technical know-how, be undertaken, e.g., use of irrigation and fertilizers, and initiation of income-generating activities.

In addition to her studies related to needs of women in subsistence agriculture and needs of professional women in Zambia, Dr. Lee gave a short course on survey research methods and use of microcomputers for staff at the University of Zambia. She also consulted with Fred Perry, the RDO in the USAID/Zambia mission, about recommendations made by the U.S. Census Bureau to the Zambian Census Studies office.

(3) Joe Hraba was an intern for two months with the ISU-ZATPID project and the RDSB, University of Zambia. He visited farm families in the Southern Province together with Dr. Lee (see her report above). In the drought-stricken villages and farms, he recorded the numbers of sleeping huts, kitchens, granaries, drying platforms, and livestock pens. The RDSB had documented migration from rural to urban areas in its reports. Poverty and hardships caused by drought were the reasons given for migration.

Dr. Hraba noted that accurate information did not exist for the informal sector of the economy in both rural and urban Zambia. Some local reports had estimated that about 80% of the work force earns a living only in the informal sector, i.e., subsistence farmers and participants in the "street economy" of Lusaka and other urban centers. After meeting with Dr. Milimo, RDSB and the RDO at the USAID/Zambia mission, Dr. Hraba developed a proposal to obtain a nationwide inventory of small enterprises in Zambia. The proposal included objectives, methodology, a work plan, and an estimated itemized budget. It was submitted to the RDO/Zambia AID mission who asked a private consultant from London to review it. The project will be undertaken

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II. C. 1. a. (3) (continued)

by the RDSB with external assistance. Dr. Hraba was promised access to data from the study for use by Zambian graduate students at ISU.

Dr. Hraba observed the informal sector in Lusaka, interviewed traditional healers with a colleague from the University of Zambia, and codified his notes on family life during his last two weeks in Zambia. The "street economy" included both illegal and legal trading and sales. The traditional healers appeared to be "modernizing" themselves in order to compete more effectively with modern doctors. The families he observed were organized around a strict sexual division of labor re: household tasks; men and women in households exhibited considerable antagonism toward each other; and extended kin from rural Zambia felt it was fair to visit urban relatives for long periods of time and at any time.

b. Women in Research and Development

In early January 1984, Augustine Pounds, Associate Dean of Student Life at ISU, accompanied her husband to Zambia where he had a six-month assignment in the ISU-ZATPID project. Augustine initiated a request for support through the MFSG to (1) create lines of communication between women researchers who are concerned about development in Zambia, (2) conduct a workshop to help Zambian women identify and tap resources available to them, (3) conduct Personal Development Workshops for students at the University of Zambia, (4) participate in educational experiences to heighten (her) awareness of the conditions of Zambian women and resources available to them, and (5) visit donor agencies to seek support for and participation in the workshop "Women in Research: Tapping Research Resources".

The ISU staff in Zambia and USAID/Zambia mission personnel approved Dr. Pounds' proposed activities and the Policy and Planning Committee recommended that she receive support. Working with students in the University of Zambia offered a unique opportunity for her to become well-acquainted with students, staff, and curricula of an institution some of whose graduates will study at Iowa State University.

II. C. 1. b. (continued)

While Russell and Augustine Pounds were living on campus, students boycotted classes and caused riots; students were suspended and the university closed for six weeks in the middle of an academic term.

Dr. A. Pounds was attached to the Department of African Development Studies for about six weeks; then she joined the staff in the Dean of Students office to assist in planning for reopening the university. The Dean of Students office had been established in 1979 and counseling services added in 1982. Dr. A. Pounds served as an "outsider" to help bridge the gap between "hostile" administrators and "rebellious" students. She designed and conducted a series of 12 workshops for students and 1 for staff between 5 April and 21 June 1984. About 700 students participated in workshop sessions.

Dr. A. Pounds participated in a national conference on "Strengthening Women's Participation in Agricultural Marketing" from 15 to 19 April 1984. The RDSB, University of Zambia, in collaboration with MAWD and the Food and Agriculture Organization of the UN had organized the sessions. About 75 women, many actually marketers from throughout Zambia, attended. Promotion of women's activities within cooperative societies was perceived as a need and a task force was appointed to develop a strategy to accomplish it.

In 1976, a group of Zambian professional women had organized themselves to meet and share experiences, to discuss priorities and methodologies for their research. Dr. Pounds assisted the group to reorganize itself into the ZARD and to focus its attention on encouraging research to promote development of women. Her interaction with this group led to organization of a workshop on "Women in Research: Tapping Research Resources". The 56 women and 8 men who attended the workshop became acquainted with potential resources for support of research and of future workshops.

Although Dr. Pounds had a rewarding experience for herself, she also made significant contributions to the University of Zambia, especially in the Dean of Students office and in her association with women researchers on the faculty.

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II. C. 2. Morocco (without financial support from ISU's MFSG)

Because MIAC, with the University of Nebraska as the lead institution, has an AID project in Morocco, faculty at other institutions in the consortium can be given assignments on either a short- or long-term basis. Two agronomists at ISU currently have long-term assignments in Morocco. They are Dr. Fred Troeh, soil scientist, now in his third year in Morocco, and Dr. Arden Campbell, seed technologist, who began his assignment in June 1984.

While Dr. Denis McGee, ISU, was serving as a consultant in plant pathology for the project, he not only provided recommendations to project leaders, but also decided that Fusarium root and ear rots of wheat were major disease problems in Morocco. Dr. McGee has been the faculty advisor for a Moroccan graduate student who will conduct his dissertation research in Morocco and obtain his doctoral degree at JNVA Hasson II. Research on root and ear rots of wheat, therefore, was a prime topic for the student's dissertation. Dr. McGee met with the head of the agronomy department at INVA Hasson II to discuss and agree on the student's program of study. His research on root and ear rots would contribute to improving disease control in Morocco because it will elucidate the epidemiology of seed-borne diseases of cereal crops.

D. On-campus activities

1. Data bases

a. Delivery of Services to Subsistence Farmers in Less Developed Countries

Dr. Charles Mulford, sociologist, has developed an information base for this topic by (1) preparing case-study materials on establishing greater coordination among agencies in two African countries for use in the Office of International Cooperation and Development (OICD) course "Application and Diffusion of Agricultural Research Results to the Community Level", (2) encouraging a doctoral candidate to look at the interorganizational relations in Plan Pueblo, Mexico, and (3) serving as advisor to a student examining factors related to scientists' choices of research topics and to research productivity at two international agricultural research centers. He has added an international dimension to a graduate course on "Social Organization"

II. D. 1. a. (continued)

by using 100 indicators related to development in 126 countries (from tables in World Development Report 1984).

Dr. Mulford will seek opportunities to gain experience in a developing country, preferably Zambia, where ISU, AID, and the Government of Zambia have a cooperative agreement. He will also explore possibilities to visit international agricultural research centers to continue making observations on organizational structures and research agenda.

b. Pacifico Sur Data Set

This large data base has been coded and a monograph drafted to familiarize others with the potential for analysis of rural farm families when macro datasets are available. A paper, "The Economic Contribution of Women to Family Household Systems in Central America" was given by Eric Abbott and Rosalie Norem at the first Association for Women in Development (AWID) national meeting.

The dataset has been used for one master's thesis and one doctoral dissertation and is available to others on campus. A copy of the dataset has also been placed at Interamerican Institute for Cooperation in Agriculture (IICA), San Jose, where the original completed questionnaires were obtained for use at ISU.

E. Spin-offs of MFSG program at ISU

1. As a result of participation of Dr. Abbott and Dr. Norem in the ISU/Title XII MFSG, they are participating in activities of the Farming Systems Support Program (FSSP)/University of Florida. In June 1984, Abbott and Norem conducted a successful workshop at ISU on designing effective farming systems training for West Africans. Additional workshops to teach training skills in farming systems are being considered.
2. Dr. Norem is a member of an advisory task force created by FSSP and the Population Council to develop case studies on "Interhousehold Dynamics in Farming Systems Research and Extension". During part of Dr. Norem's Faculty Improvement Leave (FIL) in 1985-86, she plans to devote up to six months on activities related to this aspect of the FSSP.

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- II. E. 3. Dr. Abbott has helped organize and conduct a six-week summer course for communicators in rural development for the past three years. A master's program in Development Communication has been added to the Department of Journalism and Mass Communication; the Pacifico Sur dataset is used in coursework for this degree as well as information from other studies generated by ISU faculty overseas.
4. The sociology department has offered a six-week summer course on "Application and Diffusion of Agricultural Research Results to the Community Level" for the past three years for OICD/USDA (U.S. Department of Agriculture) and is offering it again in June 1985. (The journalism/mass communication department will offer its OICD/USDA short course every other year, rotating with a similar course at Cornell University.) The coordinator and many of the faculty leaders have had overseas experience, some through the strengthening grant in the past five years.
5. The departments of agricultural education and of home economics education collaborated to design and offer three short courses, two in agriculture, one in home economics, in Costa Rica in January 1984. Twenty-five teachers participated in the home economics course on "Food Preservation". Twenty-one of them had been teaching in Costa Rica for more than five years. Both subject matter and methods of teaching were incorporated into the courses. The coordinator had been a participant in the ISU MFSG for five years; one of the other instructors had taken Spanish language classes offered during the first four years. The courses offered in agriculture were coordinated by a faculty member who had participated in the strengthening grant language and overseas experience in Costa Rica. Other persons involved had had overseas experience, but not through the strengthening grant program at ISU.

F. Linkages between ISU and universities in developing countries

1. ISU-Ahfad University College for Women (AUCW), Sudan

United States Information Agency (USIA) funds, with a 1:1 match of ISU funds, initiated a linkage project with the theme "Women as Agents of Change" in summer 1984. Two faculty members of AUCW are studying at ISU in 1984-85 while two faculty from ISU have each spent about three months at AUCW. The campus coordinator for the project participated in ISU's

II. F. 1. (continued)

strengthening grant and obtained her first overseas experience in Indonesia in conjunction with an AID-University of Wisconsin project there.

2. Proposals for linkage projects

Proposals have been submitted to USIA for possible linkage projects with the University of Costa Rica and with the Pan American School of Agriculture at El Zamorano, Honduras. Iowa State University has also expressed interest in the Request for Technical Proposal (RFTP) for a proposed College of Agriculture for the Humid Tropics.

3. ISU-University of Zambia

A memorandum of agreement has been signed by ISU and the University of Zambia for the purpose of facilitating development of graduate curricula in agricultural economics and in sociology.

G. Evaluation of Development Advisory Team (DAT) training workshops

Dr. Motoko Lee, sociology, participated in the fourth DAT training workshop and in the revision and implementation of the fifth and sixth DAT training sessions. She, together with Dr. John Tait and Dr. Martin Limbird, prepared the final report and evaluation of DAT VI for the National Association for Foreign Student Affairs (NAFSA) which had provided financial support for attendance at the workshop of AID participant trainees who assumed a variety of leadership and team member roles. Data on 45 completed questionnaires from the 52 participant trainees and U.S. faculty members who attended the workshop were summarized. (Shorter questionnaires had been summarized by leaders of each earlier workshop; the responses each time were used to make modifications in succeeding workshops.) The participant trainees ranked highly the sessions on leadership, management skills and communication, and USAID and World Bank policies. They would recommend the DAT training workshop to other persons from their home countries because it was good preparation for development work and provided a good team-building experience.

Dr. Lee also organized and mailed a survey questionnaire in summer 1984 to 284 persons who had participated in the 6 DAT workshops. Completed questionnaires were returned by 178 or 62.7% of those who had received it. These

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II. G. (continued)

responses, however, have not yet been summarized because Dr. Lee has had a FIL this year.

H. Fiscal summary

In Attachment B, eight tables present summaries of expenditures in Period V, 1 October 1983 to 30 September 1984, by account source, approved individual program activities, by combinations of related programs, by geographic areas, by departments within colleges or by administrative units at ISU, by faculty/staff appointment bases, and by colleges or other units.

The total value of expenditures in Period V was \$207,952.09; \$87,961.25 was spent from AID funds and \$119,990.84 from nonfederal funds at ISU.

I. Events related to Title XII's concerns

1. World Food Day Teleconference, 16 October 1984 (see Attachment C for the program).
2. The World Food Institute's Ninth Annual Lecture was given on 16 October 1984 by John Timmons, Distinguished Professor and Professor Emeritus, ISU, on "World Prospects for Reconciling Increasing Demands for Human Sustenance with Natural Resource Deterioration".
3. "Iowa's Role in Meeting World Food Needs", Iowa State's World Food Day Conference was held on 1 November 1984 (Attachment D). The speakers were Neil Harl, ISU economist, and John Chrystal, banker, Coon Rapids and Des Moines, both commenting on "Dealing with the Financial Situation Confronting Iowa Farm Communities"; Robert Wisner, ISU economist, "The Future in Focus - A Realistic Perspective"; and Nicholas Frey, Pioneer Hi-Bred International, Inc., "Applying Technology to Develop New Seed Varieties". Four concurrent workshops addressed issues related to Animal Production, Plant Production, Land Use and Soils, and Marketing. About 130 people, many from rural farm communities, attended the conference.
4. The World Food Institute of ISU published the fourth annual edition of WORLD FOOD TRADE AND U.S. AGRICULTURE, 1960-1983, prepared by Robert Wisner and Tahereh Nourbakhsh, Department of Economics, ISU.

- II. I. 5. A training workshop for community leaders, "Women as Food Producers", was held on 5-6 March 1985 at the Scheman Building, Ames, Iowa. It was supported by a Biden-Pell Grant to Overseas Education Fund, International, and was cosponsored by WFI/ISU, Iowa American Association of University Women (AAUW), and the Iowa Cooperative Extension Service.
6. Proceedings of the Spring 1984 conference on "Iowa's Role in the World Economy: Dependency and Interdependency" has been published and is available from the ISU Press, South State Street, Ames, Iowa 50010.
7. At its annual meeting held in November 1984, the Iowa Cooperative Extension Service examined its role in international affairs using the theme "World-view - Iowa Focus - Insights for Educators". Subsequently, Extension administrators prepared an inventory of international interests and experiences as well as language capabilities among extension staff members.

J. Current AID contracts

1. Zambia: ZATPID cooperative agreement

Three full-time faculty had appointments overseas initially; at least eight short-term assignments have been filled so far; full time overseas personnel will be increased to five in the fourth and fifth years, i.e., in FY'86 and FY'87.

2. Thailand: Technical Assistance in Agricultural Planning

A previous contract had trained many researchers; the current contract also includes sector planning, but has identified a need to increase management skills, particularly for handling large information bases.

3. Peru: Agricultural Planning and Institutional Development

This contract was negotiated by MIAC with ISU as the lead institution; it was initiated in September 1984. The chief of party in Peru is Hylke Van de Wetering, Department of Economics, ISU; Dr. Ray Beneke is serving as the coordinator on campus.

4. Peru: National Agrarian University Development

For this MIAC contract, ISU is also the lead institution; the project began several months later than the one on agricultural planning.

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II. J. 5. Consumption Effects of Agricultural Policy

This ISU contract with Office of Nutrition, Science and Technology Bureau, AID, Washington, was initiated in summer 1984. Data are being gathered in Indonesia and Zambia. Several departments at ISU and at the University of Missouri are cooperating in this project.

6. Morocco

ISU has two senior faculty on long-term assignments (soil science, three years; seed technology, two years) in Morocco as part of a MIAC contract for which the University of Nebraska is the lead institution.

7. Technical Support to the Mission, REDSO/EA

The lead institution for this MIAC contract is ISU; it requires personnel for only short-term assignments.

7/8/85

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III. Final Report

A. Overall goal, expected outcomes and progress made

The goal for ISU's Title XII MFSG was: To strengthen Iowa State University's capability to offer educational programs, carry out research, and provide technical assistance for the purpose of increasing food availability and improving the level of living of rural families in less developed countries.

Expected Outcomes: As a consequence of the MFSG program at ISU, an increased number of well-informed faculty members would (1) integrate their understandings into existing and proposed courses on campus for domestic and international students, (2) guide graduate students in research projects relevant to constraints preventing rural families from meeting their basic needs and to alternative ways of increasing their level of living, (3) stimulate interest in other faculty members in problems of rural development in less developed countries, (4) participate in Title XII collaborative research programs, and (5) offer technical assistance, through AID or other agencies, in programs whose purposes include improving the level of living of families in rural areas of less developed countries and other endeavors related to Title XII concerns.

Progress: Significant progress toward outcomes 1, 2, 3, and 5 has been made during the 5 years in which the MFSG was active. Outcome 4 was less likely to be achieved quickly because ISU's principal expertise in agricultural production is in soybeans, corn, hogs, and beef cattle. None of these agricultural commodities has been included in the Collaborative Research Support Programs (CRSPs) initiated so far. ISU did submit a proposal together with the Institute of Nutrition of Central America and Panama (INCAP), for a study to be conducted in Honduras, to the planning committee for the CRSP on marginal malnutrition; however, it was not among those selected. (Competition for nutritional studies in the Latin American region was much greater than for those to be carried out in other parts of the developing world.)

Two new majors for the M.S. degree have been approved. One is International Development Studies, the other, Development Communication. Two six-week OICD/USDA courses were offered at ISU in summer 1982, 1983, and 1984. One, "Application and Diffusion of Agricultural Research Results to the Community Level", is being offered for the fourth time in 1985; the other will be offered next in 1986 (Cornell University and ISU will offer similar courses in

III. A. (continued)

"Communication and Media Strategies for Agricultural and Rural Development" in alternate years. Two of ISU's professors in journalism/mass communication have moved to the Cornell University campus within the past three years.)

In home economics education, the course "International Application of Educational Principles in Home Economics" is offered to graduate students and to advanced undergraduates, especially those who are majoring in International Studies in Home Economics. The Department of Food and Nutrition, jointly with anthropology, offers a new undergraduate course, "Cultural and Biological Factors in Human Nutrition". ("Malnutrition in Developing Countries" has been offered, however, for many years for graduate students.)

In Spring 1985, a new graduate minor in Latin American Studies was approved by the General and Graduate Faculties. The Department of Community and Regional Planning has added a graduate course, "Planning in Developing Countries". For many years, on the other hand, the Department of Economics has offered eight or nine different internationally-oriented courses; these include international economics, economic development and transformation of agriculture in developing countries, evaluation of development projects, economic development and planning, agricultural trade problems and policies, agrarian reform and economic development, natural resources and environmental economics, and special topics in economic development. A graduate minor in Technology and Social Change was introduced more than ten years ago and is chosen by graduate students interested in development issues.

Increasing numbers of graduate students are seeking support for carrying out research relevant to developing countries or for conducting thesis or dissertation research in developing countries. The DAT training workshop was completed by 140 faculty members at ISU. Others have taken advantage of language classes and orientation seminars. These commitments demonstrate that many faculty members are becoming interested in international problems related to their expertise. See Attachment E.

With respect to technical assistance, ISU has had ten USAID contracts during the period 1979-1984 and has had faculty assigned to at least one other contract through MIAC, a consortium to which ISU's College of Agriculture belongs. In addition, ISU has had two contracts with International Development

III. A. (continued)

Bank (IDB), two with OICD/USDA (for short course offerings for individuals from developing countries), and a USIA linkage project with the Ahfad University in the Sudan. See Attachment F for listing of contracts and principal departments involved.

B. Specific objectives and progress made

1. To encourage multidisciplinary efforts to strengthen administrative coordination capacity

a. Policy and Planning Committee (PPC)

The PPC was established in 1979 by the Vice President for Academic Affairs to represent each of the seven academic colleges and University Extension; the director of the World Food Institute of Iowa State University was named chairperson. This group met regularly to develop policies, guidelines, and procedures for the ISU/Title XII MFSG. See Attachment G for a chronological summary of the actions taken by the PPC during the strengthening program. The PPC had served earlier as an ad hoc committee to develop the ISU proposal that was submitted to obtain a strengthening grant.

When faculty were invited to participate in programs to be supported through the MFSG, the PPC encouraged interdisciplinary activities. Within the university, six interdepartmental programs, three interdepartmental majors, and five interdepartmental minors have existed for many years, hence procedures to encourage interaction across campus were already well-established.

The PPC, all of whom were assistant or associate deans, decided that it should review all proposed activities to be undertaken by faculty members to accomplish ISU's overall goal. Because the College of Agriculture, ISU, was already cooperating with the College of Agriculture, University of Costa Rica, with the Ministry of Agriculture, and with IICA, it was necessary to design new "strengthening activities" that supplemented the exchange agreement initiated several years earlier. New initiatives were required in strengthening grants according to guidelines provided by AID.

III. B. 1. a. (continued)

During the first year of the MFSG, ISU built a program on campus that culminated with faculty members gaining in-country experience through activities associated with existing ISU programs in Costa Rica. On campus, faculty members studied Spanish and participated in orientation and discussion sessions to design activities to be undertaken in Costa Rica. The strengthening grant activities that evolved included (1) implementing two in-service courses for vocational teachers, and (2) conducting a supplementary survey of farm families in a selected rural area south of San Jose, Costa Rica. The in-service training workshops for vocational home economics were conducted with cooperation of the Ministry of Education. The survey was undertaken in an area that had been among those where interviews had been carried out earlier by Proyecto de Informacion Agropecuaria del Istmo Centroamericano (PIADIC) at IICA.

Nine faculty members from the College of Agriculture, five from Home Economics, and one from the College of Sciences and Humanities "worked" in Costa Rica for varying periods of time in summer 1980. The field supervisor for the new initiatives under the strengthening grant was also the field supervisor for the ongoing exchange program with the University of Costa Rica and IICA.

During the second year, the especially designed Spanish language classes at three levels of competence were continued for faculty members. See Attachment E for a summary of the number of faculty members, by college, who participated in Spanish classes during the four-year period in which they were offered. Eight faculty members from five departments (three of whom had had a work experience the previous year in Costa Rica) prepared to spend from one month to six weeks in rural Honduras to gain an understanding of the constraints preventing families in a poorer country than Costa Rica from meeting their basic needs. The field supervisor was an anthropologist with considerable experience in Latin countries. When summer came in 1981, seven faculty from four departments lived as participant observers in Morocelí, Honduras. They also assessed the nutritional status of children under five years of

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III. B. 1. a. (continued)

age and interviewed individuals in a sample of households to obtain information about the composition of the households, their nutritional practices, etc. Students in the College of Medicine at the Autonomous University of Honduras cooperated by conducting medical examinations of preschool children. For purposes of comparison, nutritional and medical data were collected from a sample of urban children in Tegucigalpa. The data obtained have been summarized and reported in professional meetings and in printed publications.

b. Development Advisory Team (DAT) training

DAT training workshops were proposed by a faculty member, D. M. Warren, who had worked in a rural development AID project in Ghana for several years. The purpose was to provide an on-campus opportunity for interaction among faculty from different departments so that they would (1) develop the capacity, as members of cross-disciplinary teams, to design, implement, and evaluate development projects efficiently and effectively, (2) understand policies and procedures in international donor agencies (including USAID) as they relate to development projects, and (3) develop the capacity to appreciate cultural dimensions of effective communication and management.

The week-long workshops were developed initially by Dr. Warren and were repeated six times during ISU's Title XII MFSG; graduate students from developing countries were encouraged to participate in the third, fourth, fifth, and sixth workshops both as resources and to gain experience in working across disciplines in development projects. After each workshop, the DAT training materials were reviewed and revised in light of comments and suggestions solicited from those who attended the sessions. Attachment E summarizes participation of 140 faculty/staff by administrative units. In addition to faculty/staff, 102 ISU graduate students, about 60 of whom were foreign students, completed the 5-day workshop and 42 people from other universities and off-campus organizations also completed one of the DAT workshops.

At present, data in a questionnaire received from DAT participants in the six workshops are being analyzed.

III. B. 1. c. Internal review panel

An internal review panel (appointed by the PPC and consisting of faculty with experience in working overseas and in evaluation) was asked to review the strengthening program during its second year. The review committee recommended that more faculty with overseas experience be included in the process for planning strengthening activities. It also recommended that the scope of such activities be concentrated in Central and Latin America in order to build on ISU's strengths and previous experience.

The first recommendation of the internal review committee was implemented by appointing advisory committees by geographic regions, i.e., one for Latin American and Caribbean (LAC) countries, one for Africa, and later, one for Asia. Although the PPC considered the second recommendation seriously, it decided to follow the plan in the original strengthening grant proposal, i.e., to move the geographic focus from the LAC region to Africa and Asia in the third, fourth, and fifth years. At that time, considerable emphasis was being given to African countries by USAID which also had recommended that French language be given priority by universities with strengthening grants. Follow-up activities, however, were continued in Costa Rica and Honduras at ISU in light of particular attention being paid to Central American countries by the U.S. government, i.e., the Caribbean Basin Initiative.

d. Regional faculty advisory committees

The Advisory Committee for Africa was appointed in November 1981. It proposed that "internships" be built into the strengthening grant strategy to allow inexperienced faculty members to participate in activities related to or supplemental to ongoing USAID projects, preferably ones in which ISU faculty members were serving in-country. This recommendation lessened the possibilities for as much cross-disciplinary interaction as had been possible in Costa Rica and Honduras. Nevertheless, it was deemed an excellent opportunity that would be considerably easier to manage than organizing "teams", so the PPC approved the concept for implementation.

III. B. 1. d. (continued)

Several faculty members who had participated in ISU's Title XII MFSG were active in negotiating and implementing a cooperative agreement between ISU, USAID/Zambia, MAWD/Zambia, the Ministry of Planning, and the University of Zambia. The project, ZATPID, currently includes faculty members in the departments of economics, community and regional planning, and sociology and anthropology. Skills needed include those required to collect and analyze data as a basis for developing plans for agricultural and economic development. Three sociologists and one computer scientist have been "interns" in Zambia and have contributed to the cooperative agreement while gaining their first work experience in Africa.

A fifth staff member, wife of an extension economist who was hired for a six-month assignment by the ZATPID project, accompanied her husband to Zambia. As a professional, Dr. Augustine Pounds was Associate Dean of Student Life at ISU. She was able to develop several "strengthening" assignments at the University of Zambia, one to help organize women professionals in Lusaka so that they could exert a greater impact on development projects affecting women, and the other to assist the relatively new Dean of Students office in coping with readmission of students to the university after a prolonged student strike.

The director of the USAID/Zambia mission has visited ISU several times; during his first visit, he was skeptical about the faculty intern concept and the benefits to the country mission of cooperating with a university strengthening grant. In August 1984, however, he reported that ISU faculty "interns" would be welcome in Zambia at any time. The initial faculty members had given good assistance to the mission and he appreciated both their interest and their need to become acquainted with Zambia and to understand development problems faced by Zambians. The mission had become acquainted, too, with the capabilities of faculty members in several departments that complemented the ongoing cooperative agreement.

On the ISU campus, the advisory committee for the ZATPID project consists of faculty members from several departments that are

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III. B. 1. d. (continued)

administered by different academic colleges. Currently the head of the Department of Community and Regional Planning in the College of Design is the on-campus administrator and an agricultural economist in the College of Sciences and Humanities is in charge of the technical program. Faculty in these two colleges plus others from the College of Agriculture have cooperated in providing short-term consultants as well as the long-term personnel in Zambia.

e. Proposals for Research, Editing Services (PREPS)

The PREPS office is part of the university's Contracts and Grants office. It has developed a computerized profile for all faculty members to describe research expertise and interest for use in preparing research proposals.

To assist in preparing responses to request for Documentation of Interest (DOI) or expressions of interest from AID, the profiles of faculty members have been expanded to include international interest, experience, and language capabilities.

f. Progress toward strengthening administrative coordination capacity

The members of the PPC served as a mechanism for keeping administrators in the various colleges not only informed, but also active in creating an atmosphere that encouraged cross-disciplinary approaches to development problems in less developed countries. Not all departments were or could be involved, of course. The major participation in strengthening activities came from 15 departments: 6 in Agriculture, 4 in Sciences and Humanities, 3 in Home Economics, 3 in Design, and 1 in Engineering. (Because 2 departments are administered jointly by Agriculture and Sciences and Humanities, the apparent total is 17.) Services to the strengthening program were provided by several additional academic units, e.g., international agriculture programs, foreign languages and literatures, education, and anthropology.

Issues and differences in administrative philosophy were discussed and resolved at PPC meetings which occurred on the average, once a month throughout the five years of ISU's MFSG. Although not all colleges

III. B. 1. f. (continued)

were equally involved, all representatives on the PPC served conscientiously and offered constructive suggestions whenever problems arose. The PPC established guidelines for activities to be undertaken through the MFSG, reviewed proposals submitted by faculty, and monitored activities undertaken. The exchange of views and information contributed to an increased awareness and interest in international activities in general at ISU, in the MFSG in particular, and in Title XII initiatives of AID.

The DAT training workshops attracted broad interest across campus, evidenced by the fact that 140 faculty/staff (from 43 departments plus 8 other administrative units) completed a 5-day intensive training period. These workshops provided opportunities for interaction among faculty who were not likely to become acquainted with each other through their regular assignments. An ISU chapter of the Society for International Development was organized as an outgrowth of the early DAT workshops to provide a continuing opportunity for across-campus discussions of development issues.

A newsletter, The International Dimension, was initiated by the Office of International Educational Services (OIES) once each semester in March 1981 to inform faculty and students about ISU's international activities. The number of issues per year was increased to once a month in Spring 1985. The newsletter is circulated to 2,796 students and 2,907 faculty/staff at ISU as a source of information and to make ISU's international activities more visible on campus. The newsletter is also circulated to 745 people or offices off campus.

2. To develop among faculty an understanding of the constraints preventing rural families from meeting their basic needs

- a. Costa Rica

- 1) The Policy and Planning Committee, when it was preparing ISU's proposal for a MFSG, perceived that ISU faculty members with expertise related to the world's food and food-related problems were not adequately informed about the specific problems faced by rural small farm families in less developed countries (LDCs). The Title XII

III. B. 2. a. 1) (continued)

amendment to the International Development and Food Assistance Act of 1975 specifically addresses the need for development assistance to benefit rural households. Considerable emphasis, therefore, was placed on providing "hands on" experience in developing countries for ISU faculty members. Secondly, the problems facing rural households were perceived to require a multi- or cross-disciplinary approach, i.e., socioeconomic and cultural factors as well as production, storage, processing, and consumption problems should be considered together. Thirdly, the lack of foreign language capability among faculty members, especially in the areas of agricultural production, food and nutrition, and social sciences was viewed as a serious barrier for effective technical assistance overseas. Fourthly, understanding third world or developing country cultures was a prerequisite for designing alternatives to increase food availability to rural families.

Some on-campus activities, such as language and orientation classes and cross-disciplinary discussions, were considered necessary to achieve this objective. Because the College of Agriculture already had a program of exchanges with the University of Costa Rica, a "home and home" seminar agreement with IICA (also located in San Jose, Costa Rica), faculty members in agriculture were seeking new ways to learn the Spanish language. The exchange program was intended to enhance the teaching and research program in Costa Rica by increasing the number of faculty with advanced degrees in Costa Rica and by assigning ISU faculty to short or intermittent assignments in Costa Rica. The agreement with IICA consisted of week-long seminars, one in Costa Rica and one in Iowa each year. The seminar programs were planned by the host institution. With the considerable dedication of effort already underway in Costa Rica, the PPC initially encouraged overseas activities to complement or add to the ongoing programs because the ongoing program itself could not be considered a "new initiative" as defined in guidelines provided for MFSG proposals.

- III. B. 2. a. 2) Spanish language and cultural orientation classes were developed specifically for faculty members. Seminars on the history, politics, agricultural economy, development issues, etc., were scheduled; reference materials were assembled and faculty members were invited to participate. After faculty members interested in obtaining "hands on" experience in rural Costa Rica were identified, discussion groups were established to begin interaction across disciplines and to plan possible ways to acquire an understanding of existing practices among farm households. At the same time, the in-country coordinator of ISU's exchange agreement helped to identify potential opportunities for work experiences in Costa Rica. He also arranged for Spanish language classes to be provided in San Jose.
- 3) The Ministry of Agriculture, Costa Rica, and PIADIC at IICA were identified by the MFSG field supervisor as having an ongoing program to which ISU faculty members could make a contribution while obtaining significant in-country experience. The PIADIC group at IICA had cooperated with ministries of agriculture in several Central American countries, including Costa Rica, to conduct surveys of rural farm households, particularly to obtain information about current farming practices. Participants in ISU's MFSG proposed to conduct a small supplemental survey in an area near San Isidro El General to collect additional information that could be used alone or to assist with interpretation of data on farming practices. Of special interest to ISU was the farmers' sources of information about technical practices and families' perceptions of the availability to them of various services. Data obtained from 140 families (husbands and wives) were analyzed later at ISU. Arrangements were made for ISU faculty to have access to PIADIC data collected in Costa Rica and other Central American countries. Several theses and dissertations, manuscripts, and a monograph (in draft form at present) have been prepared from the ISU survey plus the PIADIC data set.
- 4) The Ministry of Education has responsibility for a recently expanded system of vocational education in Costa Rica. When a team from Spain reviewed the qualifications of teachers in the expanded system,

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III. B. 2. a. 4) (continued)

they found that only 7% of teachers in home economics had the equivalent of a degree from a teacher's college with some specialization in home economics or a related area. The Centro de Investigacion y Perfeccionamiento para la Educacion Tecnica (CIPET) was responsible to offer in-service training workshops to upgrade the skills of the existing teachers of home economics. To do this, CIPET had proposed a continuous series of 12 2-week workshops covering needed subject matter. Qualified Costa Rican instructors for such workshops, however, were very scarce. ISU's MFSG participants from two departments (family environment and home economics education) agreed to develop and implement a two-week workshop for teachers of home economics. Faculty in agricultural education explored the possibility of implementing a workshop on agricultural mechanization for teachers of agriculture in the vocational schools. A pilot workshop had been conducted in 1979, before the MFSG began; however, the implementation of a second workshop, based on that past experience, was supported through the MFSG.

The workshops for vocational teachers lead to a project financed by IDB for an expansion of the cooperation between home economics education and agricultural education at ISU and CIPET to assist with additional in-service training workshops for vocational teachers in Costa Rica. This project was initiated in 1981. As recently as 1984, home economists who were not participants in the ISU MFSG taught a workshop on food preservation, and faculty members in agricultural education are scheduled to present a workshop for vocational agricultural teachers in 1985. Thus the opportunity for increasing faculty participation in technical assistance projects was enlarged by initial activities undertaken in the MFSG.

- 5) The ISU/Title XII MFSG program provided an opportunity for 14 ISU faculty members, assisted by a field supervisor, to gain valuable working experience in Costa Rica in Period I. Since then, five or six of these faculty members have returned to Costa Rica, occasionally with support from the MFSG, but usually with support from other sources of funds. Although four other participants in the MFSG did

III. B. 2. a. 5) (continued)

not have the summer work experience, they had assignments or assisted in projects in Costa Rica with other sources of funds. Additionally, at least 27 faculty who did not participate officially in the MFSG program at any time, i.e., did not contribute matching time, gained experience in Costa Rica during the period in which the MFSG was active. In all, 46 different faculty members, 36 from the College of Agriculture, 8 from Home Economics, and 2 from Sciences and Humanities, carried out working assignments in Costa Rica, many of them returning to Costa Rica several times.

The Spanish language classes attracted 23 faculty/staff as part of their "strengthening" activities during the 4-year period that specially-designed classes were offered. An additional 34 faculty/staff took advantage of these classes but did not contribute matching time to the MFSG. See Attachment E. Of these 34, 13 were faculty in the College of Agriculture, the rest were faculty in 5 of the remaining 6 colleges in existence at that time.

Although funds from the anonymous donor to ISU's College of Agriculture ended in 1982, nine graduate students from Costa Rica were enrolled in departments of agronomy, animal science, agricultural education, economics, forestry, and plant pathology/seed and weed sciences in Fall 1984. Communication and interaction between the College of Agriculture, ISU, and the Faculty of Agriculture, University of Costa Rica (UCR), continues while sources of future financial support are explored.

b. Honduras

The strategy for strengthening faculty at ISU recognized that Costa Rica was not as underdeveloped as many other countries and that "hands on" experience in a second poorer Latin country would be desirable. Contacts were made through both the USAID mission in Honduras and the Organization of American States (OAS) office. Participant observation plus collection of information and data by interview in a rural community were undertaken by a group of seven faculty members. Nutritional

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III. B. 2. b. (continued)

status of preschool children and information about the activities of household members were recorded by team members with expertise in anthropology, sociology, nutrition, chemical engineering, and family environment. Medical students from the College of Medicine, Autonomous University of Honduras in Tegucigalpa, assisted the team members in measuring nutritional status and evaluating disease vectors. Close working relationships developed, especially among the anthropology, nutrition, and family environment faculty who had long discussions together in the evenings in Honduras about which questions were most important in the interviews to be conducted in the rural community and which could be omitted.

"Informal and Formal Market Participation of Rural Honduran Women", Working Paper #82, by Sharon Danes, Mary Winter, and Michael Whiteford was based on data collected in Morocelí and published by Michigan State University in its series on Women in International Development.

"Technology and Household Task Performance in Morocelí, Honduras" was presented by Mary Winter (coauthored by Sharon Danes and Earl Morris) at the Family Environment, Home Management Workshop on "The Balancing Act: Thinking Globally/Acting Locally" held in Philadelphia, 20-22 June 1985. The nutritional data have been presented at a national meeting of the Society of Applied Anthropology and at an international congress on nutrition.

Guatemala

Although experience was gained by nine ISU faculty members in Guatemala, the support for activities there was through an AID contract on "Integrated Rural Development" and an IDB contract for "Analysis of Cooperation and Coordination Between the International Research Centers (CIMMYT, CIAT, CIP) and the National Centers of Latin America". The former contract was initiated about the same time as ISU's Title XII MFSG and the latter in 1981. Two faculty members who had gained "hands on" experience in Costa Rica plus ISU's field supervisor in Costa Rica had major responsibilities for collecting information from twenty-two

III. B. 2. c. (continued)

Latin American and Caribbean countries and integrating it into a final report for IDB.

The AID contract involved analyzing existing data in Guatemala, verifying some of it by collecting additional data, and collecting data that had not been assembled previously. The Land Use Laboratory at ISU (jointly sponsored by landscape architecture, College of Design; and agronomy, College of Agriculture) had developed computerized mapping programs to assist in visualizing and interpreting land use patterns in Iowa. Several faculty proposed that the MFSG support an on-campus project in which the mapping program used successfully in Iowa was adapted to visualizing and interpreting land use patterns in Guatemala. By overlap maps, it was possible to relate the amount of existing infrastructure (roads, social services, markets, etc.) to the crop (food and cash crops) production data. The information from Guatemala has been widely used in courses such as "Planning in Developing Countries" and for thesis research.

d. Zambia

To prepare faculty for possible assignments in English-speaking African countries, a series of eight orientation seminars was offered in Fall 1983. Considerable interest across campus was generated. Because ISU had negotiated a cooperative agreement for a project in Zambia, opportunities were anticipated. Five faculty members did gain working experience in Periods IV and V through the MFSG program for activities carried out in Zambia. Four ISU faculty were "interns" associated with the cooperative agreement among USAID Zambia, University of Zambia, MAWD, and the Ministry of Planning. They were a computer scientist and three sociologists. A summary of the activities of the three sociologists has been given in Section II of this report. The computer scientist who served his internship a year earlier was responsible for developing a syllabus for a new data analysis course in agricultural economics at the University of Zambia. He also conducted training sessions in use of microcomputers for personnel in the planning division of MAWD. Back on campus, Dr. Grosvenor is an advisor for computation and computer technology in the ZATPID project.

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III. B. 2. d. (continued)

The fifth individual, Dr. Augustine Pounds, now Dean of Students, ISU, gained experience in Zambia (1) by assisting the office of Dean of Students, University of Zambia, to prepare for readmission of students after a prolonged strike, (2) by assisting women professionals to organize the ZARD, and (3) leading a workshop on "Women in Research: Tapping Research Resources". A summary of her activities has been presented in Section II of this report.

Eleven additional faculty members at ISU have had short-term assignments in Zambia with direct support of the ZATPID project. Four of them had participated in some on-campus programs under the MFSG. The others had not had a formal relationship with the grant, although they could have taken advantage of the DAT training workshops or orientation seminars.

e. Other African countries

The ISU/Title XII MFSG partially supported a sociologist, Dr. Peter Korsching, on a visit to Sierra Leone where one of his doctoral candidates was conducting dissertation research in conjunction with an AID project there. The AID mission provided travel funds and research support. The doctoral candidate collected data with cooperation of the AID project on adaptive crop research and extension and he is now back in Sierra Leone working with the project.

One of the members of the Department of Community and Regional Planning, Dr. Omer Ertur, with support from United Nations Development Programme (UNDP), worked with the Ministry of Planning in Malawi for almost two years to develop the next five-year plan for the country. It was a valuable experience that has contributed significantly to the department's capability to offer technical assistance overseas as well as to teach planning to students from developing countries.

The College of Home Economics and the Department of Sociology have received a USIA linkage grant to promote exchanges between ISU and Ahfad University College for Women in Omdurman, Sudan. The theme of the linkage project is "Women as Agents of Change". In fiscal year 1985, two AUCW faculty have been studying at ISU and two ISU faculty have spent

III. B. 2. e. (continued)

three months each at AUCW. The project coordinator, Dr. Donna Cowan, had gained her first overseas experience through MFSG support to visit an AID-University of Wisconsin project in Indonesia where she evaluated the curriculum for training women students at the Pertanian University, Bogor.

f. Asian countries

Although ISU had two AID contracts in Southeast Asia, experience in conjunction with them was gained by only two faculty members participating in the MFSG. A political scientist, Dr. Young Kihl, served frequently on program-of-study committees for graduate students from Thailand where one of the contracts was active. He visited that project as well as several others and attended an Association of South East Asian Nations (ASEAN) meeting in which cooperation in research was discussed. He prepared a report of his observations for the USAID/Thailand mission. Dr. Donna Cowan, Associate Dean of Home Economics and Professor of Home Economics Education, visited personnel in ISU's contract with USAID/Indonesia and conducted a curriculum evaluation together with C. Jean Weidemann at Pertanian University, Bogor, for the AID-University of Wisconsin contract there. Subsequently, Dr. Cowan has become project manager of a USIA linkage project with AUCW, Sudan, mentioned above.

A third senior faculty member, Dr. Arnold Paulsen, who was interested in a Joint Career Corps position in the USAID mission in the Philippines, visited that mission with MFSG funds to discuss what such an assignment might entail. Although both the mission personnel and Dr. Paulsen were enthusiastic about the potential benefits of the assignment, unfortunately, it was not possible to arrive at a satisfactory agreement on logistics.

Attachment H summarizes the number of faculty who obtained "hands on" experience in LDCs through the MFSG and through related or USAID projects. Attachment I summarizes these same faculty by colleges or administrative units.

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III. B. 2. g. Progress toward developing an understanding of constraints preventing rural families from meeting their basic needs

The strategy at ISU was to give faculty members with expertise in dealing with problems of rural farm families in Iowa an opportunity to become acquainted with the problems faced by farm families in less developed countries. They would be expected to acquire the language skills and an awareness of cross-cultural differences in order to understand the existing situation and identify constraints and potentials for improvement to meet basic needs. Considerable progress was made in Central American countries through the Title XII MFSG, an existing USAID/Guatemala contract, funds from an anonymous donor, and miscellaneous other sources. Faculty members are able to offer a considerable amount of experience for technical assistance in vocational schools for agriculture and home economics. The College of Agriculture as established strong linkages to the Faculty of Agriculture at the UCR and has participated in exchanges that have benefited both sides. ISU faculty members have learned a great deal about agricultural practices and potentials in the humid tropics, have participated in research projects with graduate students in Costa Rica, and included the knowledge gained in classes taught. The UCR has benefited from the cooperation to improve its curricular offerings and because about ten staff members have obtained advanced degrees at ISU.

At ISU, 46 faculty members have become well-acquainted with Costa Rican agriculture, nutrition, and rural development and the vocational education needs related to these areas. Data bases for rural families in Guatemala and Costa Rica have been made available to ISU faculty through PIADIC at IICA and through an AID/ISU contract in Guatemala. Students, as a consequence, can be encouraged to use these data for thesis and dissertation research; faculty can use the data in courses being taught on campus.

Some progress has been made toward understanding farm families in Zambia, but the range of disciplines involved so far has been narrow in contrast to the broad range of expertise that participated in projects in Central American countries. Nevertheless, 16 faculty members have worked at least briefly in Zambia and about 16 Zambian graduate

III. B. 2. g. (continued)

students are currently enrolled at ISU. The University of Zambia and ISU have signed a memorandum of agreement to facilitate faculty exchanges, principally in economics and sociology.

Orientation seminars were offered so that faculty could become better acquainted with African countries, Southeast Asian countries, and South Asia. Spanish language classes benefited 57 faculty members; a much smaller number exhibited interest in French (8-10), however, when conversation sessions were organized in Fall 1983.

On campus generally, there is increased interest in development issues and a significantly higher appreciation of the constraints faced by rural farm families in less developed countries.

3. To design alternative, culturally acceptable plans for managing families' resources in rural areas

The importance of the informal market structure as a source of income was noted in Honduras and Zambia by faculty members looking at resources available to families. In addition, several ISU faculty are listed as associates with the FSSP at University of Florida. Especially active is Dr. Rosalie Norem, Department of Family Environment, who has helped with "training the trainers" workshops and with development of modules to create awareness of the contributions made by each of the family members to food production, etc. Although management models have not yet been developed and isolated, some of the factors in such a model are useful in analyzing farming systems.

4. To examine communication of technical information to rural families

This objective was fairly specific to faculty members in sociology, journalism/mass communication, and family environment. Based on in-country experience through the MFSG, two OICD courses were developed and have been taught three times each at ISU. They are "Communication and Media Strategies for Agricultural and Rural Development" and "Application and Diffusion of Agricultural Research Results to the Community Level". The latter is being offered for the fourth time in Summer 1985 and the former will be offered again in 1986. The Department of Journalism/Mass Communication has added Development Communication as a major for the master's degree.

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III. B. 4. (continued)

The report for the IDB contract noted that training and communication of technical information from National Centers to farmers was highly developed in Argentina, Brazil, and Mexico, while all other countries exhibited needs in this area ranging from deficient to singularly inadequate.

With support of the World Food Institute of ISU, two students in journalism/mass communication have examined communication of agricultural technology, one in Peru, the other in the Dominican Republic.

5. To develop capabilities for assisting institutions in selected countries to develop educational, research, and extension programs

During the past five to seven years, the most extensive experience to meet this objective includes the ISU-UCR exchange program financed by an anonymous donor and includes the in-service training workshops for vocational teachers of agriculture and home economics, at first through the MFSG and later through an IDB grant. These workshops were all implemented in Costa Rica or in Iowa with teachers from Costa Rica (IDB). Assistance was provided also in the form of curriculum evaluation at Heredia University, where home economics and agricultural education are taught.

Costa Rican students have been enrolled at ISU for graduate degrees. Many of them have been faculty members from the UCR. ISU faculty in Costa Rica helped to establish a research program in conjunction with the UCR at a recently-opened colonization site. Some of the families resettled in the newly-opened area (formerly a banana plantation) were not particularly well-equipped to be farmers, so extension services also had to be provided.

In Zambia, the University of Zambia and ISU are cooperating to strengthen the agricultural economics curriculum for a master's program and in Peru, assistance to the National Agrarian University is the focus of one of the AID/MIAC contracts for which ISU is the lead institution.

In the Sudan, ISU and AUCW are cooperating with a recently-received USIA matching grant, to assist in strengthening the education, research, and extension efforts at AUCW under the general theme "Women as Agents of Change". Two faculty members from ISU have spent three months each in the Sudan and two faculty members from AUCW are studying at ISU. The project

III. B. 5. (continued)

manager of this grant gained overseas experience through the MFSG by assisting in an evaluation of the home economics curricula at Pertanian University, Bogor, Indonesia.

In Honduras, the ISU faculty members who lived in Morocelí also interacted with faculty in the College of Medicine at the Autonomous University in Tegucigalpa. In addition, the chemical engineer (fermentation, food engineering) held seminars with engineering faculty and students and encouraged them to explore ways to prevent food losses through application of engineering principles.

The Extension Service in Honduras requested assistance in planning a program to improve its capability to provide needed services to rural families. Advice was given by faculty members who had become acquainted with problems of rural families through the MFSG.

6. To increase international dimensions in activities on campus

A considerable increase in international interest has occurred on campus at ISU. Some of it is due to the pressure of increasing numbers of foreign students, particularly those from less developed countries. In Fall 1984, 2,427 people from 104 foreign countries were on campus; almost half of these are graduate students, more than 30% of the graduate enrollment. A central Office of International Educational Services provides considerable nonacademic support to the foreign students. More and more efforts are directed by academic advisors to insure that the education received at ISU will be as useful as possible to the students returning to their home countries.

Although only a few students can find the means to collect research data outside the USA, the WFI and a few external grants have supported this approach at ISU. See Attachment J for a summary of projects supported at least in part by the WFI during the past eight or nine years. About half of the faculty research projects and half of the faculty/student projects have included an overseas component.

The WFI also supports scholars and fellows from overseas institutions for six months to one year at ISU. See Attachment K for names of scholars/

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III. B. 6. (continued)

fellows, the host department at ISU, and the area of study or research. This program was initiated in 1979. Since then, 18 scholars and fellows from 12 different countries have added an international dimension to 10 different departments.

In addition to including international dimension in classes and research, there has been an increase in "outreach" programs with an international dimension. The World Food Institute sponsors an annual lecture on some aspect of the world food situation. An annual World Food Day observance has been organized and held at ISU every year since FAO declared that 16 October would be recognized as World Food Day; an annual publication on WORLD FOOD TRADE AND U.S. AGRICULTURE has been published and distributed by the WFI since Fall 1981; and, the local chapter of the Society for International Development organized a conference on "Iowa's Role in the World Economy: Dependency and Interdependency" (the proceedings are available from the ISU Press). The conference was cosponsored by the WFI, the Stanley Foundation, Pioneer Hi-Bred International, Inc., Cargill, Inc., and Deere and Company.

C. External Review Team

As part of the evaluation process of Strengthening Grants in their fifth year, the Board for International Food and Agricultural Development (BIFAD) office and the Joint Committee on Agricultural and Rural Development (JCARD) assigned teams of five or so individuals to review written materials filed by AID, Washington, D.C. Those materials in January 1984 included four annual progress reports covering three and one-half years of activity. Additional information was requested and supplied in March 1984; the fifth annual progress report was submitted about 1 April 1984. Based on conclusions drawn from the written material, the external reviewers concluded that ISU was marginally not actionable in one of the four categories for which it had been rated. According to established procedures, a second External Review Team (three people) were invited to conduct a site visit at ISU in late August 1984. Their report was reviewed by JCARD and BIFAD in December; in mid-January 1985, ISU received a letter indicating that its progress under the MFSG was "marginally not actionable" and therefore ISU could not proceed at present to negotiate a Memorandum of Understanding (MOU). In the meantime, the USAID contract for the MFSG had been terminated on 30 September 1984, the end of the five-year grant period.

III. D. Summary of participation in ISU's Title XII MFSG

Attachment L lists 32 participants who were involved for 3 or more years and/or 3 or more months of total time recorded in strengthening activities. In addition, footnotes indicate that four faculty members provided services in one or two periods only and that nine faculty were affiliated for one year only but did gain overseas experience during that year. It should be noted that 15 other faculty members participated in on-campus activities only. Of these 15, however, 9 did work overseas at some time between July 1979 and September 1984 with other sources of support.

Attachment M is a summary of participation by A- and B-base faculty members and by P&S (Professional and Scientific) staff by departments or other administrative units at ISU. Not included here are many faculty who took advantage of language classes, orientation seminars, DAT training sessions, and attendance at seminars related to Title XII activities.

E. Fiscal summary

Attachment N summarizes expenditures and participation by administrative units from July 1979 through September 1984. Attachment O is a summary of expenditures by period and by functional and regional categories.

Total expenditures equalled \$1,089,057.15, of which \$448,410.21 (41.2%) was provided by USAID funds and \$640,646.94 (58.8%) by ISU, nonfederal funds.

F. USAID/ISU and closely-related contracts, 1979-1984

Refer to Attachment F for USAID contracts and closely-related contracts at ISU during the period when the MFSG was in effect. Their current status and the principal departments are also given. Currently, ISU is the lead institution in three USAID/MIAC contracts, two in Peru (Agricultural Planning and Institutional Development) and one with REDSO/EA (Technical Services to the Mission), a cooperative agreement in Zambia (ZATPID), a contract in Thailand (Technical Assistance in Agricultural Planning), and a contract with the Office of Nutrition/ST (Consumption Effects of Agricultural Policy). In addition, ISU is providing two long-term senior agronomists in the USAID/MIAC contract in Morocco (University of Nebraska, lead institution for project on Dryland Agriculture).

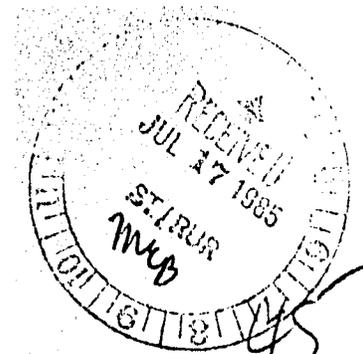
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South Asia Orientation Seminar Series
Fall 1984

1. Introduction, Geography, and Cultural History September 11
Jan Beran, Coordinator; Charlotte Roderuck, MFSG Manager; Mushtaq Rahman, Department of Earth Sciences; and Gary Tartakov, Department of Art and Design
2. Religion in Everyday Life September 18
Two Indian and one Bangladeshi graduate students plus retired missionary and his daughter with experience in India and Pakistan
3. Social Structure and Family Life September 25
Videotape, "Dadi's Family"; discussant, Lucile Malone, retired home economist who lived for many years in India, and three graduate students, one each from Pakistan, Nepal, and Sri Lanka
4. South Asia's Contributions to Development Concepts October 2
Dr. A. M. A. Muhith, Woodrow Wilson Fellow, Princeton University, formerly Minister of Planning, Bangladesh, and economist with World Bank and with the Asian Development Bank
5. India's History, Philosophy, Progress, and Foreign Policy October 9
Mr. R. K. Verma, Consul General of India in Chicago
6. Issues Related to Afghanistan Refugees in Pakistan October 17
Mr. Ejaz Azim, Ambassador of Pakistan to the USA
7. Technical Assistance in Asian Countries October 23
Mr. Charles Antholt, Chief, Agricultural and Rural Development Division, Asia Bureau, USAID
8. Working in South Asia October 30
Peter Calkins, Department of Economics, Nepal; Charlotte Roderuck, World Food Institute, India; and Carl Malone, Ford Foundation program, India (retired economist)

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F I S C A L R E P O R T

ISU/Title XII Matching Formula
Strengthening Grant

Period V

1 October 1983 - 30 September 1984

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Table 1
 Work Sheet for Converting Time Reported to Salary Equivalents
 ISU/Title XII Strengthening Grant
 Period V

| Name | Base | Monthly Salary 1983-84* | Person Months | Salary Equiv. to p.m. | 1984-85 Monthly Salary** | Person Months | Salary Equiv. to p.m. | Total Salary | Total F B |
|-----------------------------------|-------------|-------------------------|----------------------|-----------------------|--------------------------|----------------------|-----------------------|--------------|-----------|
| Agriculture | | | | | | | | | |
| Abbott, E. | B | 3,077.50 | 1.00 | 3,077.50 | 3,466.67 | 0.15 | 520.00 | 3,597.50 | 780.66 |
| (share of 2 RAs in a joint proj.) | (C) (XH) | N.A. | N.A. | N.A. | N.A. | 2.42 | 2,438.31 | 2,438.31 | 92.74 |
| Fenton, T. | A | 3,650.00 | 0.08 | 292.00 | 4,015.00 | 0.01 | 40.15 | 332.15 | 72.08 |
| Hoffmann, R. | A | N.A. | N.A. | N.A. | 3,279.16 | 2.25 | 7,378.11 | 7,378.11 | 1,510.78 |
| Thompson, M. | A | 2,395.83 | 0.45 | 1,078.12 | N.A. | N.A. | N.A. | 1,078.12 | 233.95 |
| Subtotal | | | A&B, 1.53 | 4,447.62 | N.A. | A&B, 2.41 C, 2.42 | 10,376.57 | 15,154.19 | 2,716.94 |
| Design | | | | | | | | | |
| Dzakuma, S. | C | 1,040.00 | 3.50 | 3,640.00 | N.A. | N.A. | N.A. | 3,640.00 | 20.00 |
| Shinn, D. | A | 3,750.00 | 0.35 | 1,312.50 | 4,166.67 | 0.05 | 208.33 | 1,520.83 | 330.02 |
| Subtotal | | | A, 0.35 C, 3.50 | 4,952.50 | N.A. | A, 0.05 | 208.33 | 5,160.83 | 350.02 |
| Education | | | | | | | | | |
| Beran, J. | B | 2,683.33 | 1.50 | 4,025.09 | 2,765.23 | 0.50 | 1,508.32 | 5,533.41 | 1,043.38 |
| Subtotal | | | B, 1.50 | 4,025.09 | 2,765.23 | B, 0.50 | 1,508.32 | 5,533.41 | 1,043.38 |
| TOTALS, 3 COLLEGES | | | A&B, 3.38 C, 3.50 | 13,425.21 | N.A. | A&B, 2.96 C, 2.42 | 12,093.22 | 25,848.43 | 4,110.34 |

*A-base: 1 Oct. '83 to 30 June '84;
 B-base: 1 Oct. '83 to mid-August '84
 **A-base: 1 July '84 to 30 Sept. '84;
 B-base: ½ Aug. through 30 Sept. '84

| (this page) | | | |
|-------------|------------------|-----|-----------------|
| Salary: | A&B = 19,440.12 | FB: | A&B = 3,970.87 |
| | C = 6,078.31 | | C = 112.74 |
| | XH = 330.00 | | XH = 26.73 |
| | <u>25,848.43</u> | | <u>4,110.34</u> |

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Table 1, Page 2

| Name | Base | Monthly Salary 1983-84* | Person Months | Salary Equiv. to P.m. | 1984-85 Monthly Salary** | Person Months | Salary Equiv. to P.m. | Total Salary | Total F B |
|-----------------------------------|------|-------------------------|---|-----------------------|--------------------------|--|-----------------------|------------------|------------------|
| Home Economics | | | | | | | | | |
| Dupont, J. | A | 4,137.50 | 0.18 | 744.75 | N.A. | N.A. | N.A. | 744.75 | 161.61 |
| Hughes, R. | A | 4,229.18 | 0.12 | 507.50 | 4,675.00 | 0.05 | 233.75 | 741.25 | 160.85 |
| Love, M. | A | 2,391.67 | 0.95 | 2,272.09 | 2,762.08 | 0.60 | 1,657.25 | 3,929.34 | 819.22 |
| Norem, R. | B | 2,777.78 | 0.75 | 2,083.34 | 3,201.11 | 0.10 | 320.11 | 2,403.45 | 521.55 |
| (share of 2 RAs in a joint proj.) | (C) | N.A. | N.A. | N.A. | N.A. | 2.42 | 2,438.31 | 2,438.31 | 92.74 |
| Williams, S. | A | 2,816.67 | 0.80 | 2,253.34 | 3,083.33 | 0.10 | 308.33 | 2,561.67 | 555.88 |
| Winter, M. | B | 3,441.67 | 0.10 | 344.17 | N.A. | N.A. | N.A. | 344.17 | 74.68 |
| Subtotal | | | A&B, 2.90 | 8,205.19 | N.A. | A&B, 0.85 C, 2.42 | 4,957.75 | 13,492.94 | 2,413.26 |
| Sciences & Humanities | | | | | | | | | |
| Hraba, J. | B | 3,300.00 | 2.00 | 15,960.00 | 3,333.33 | 0.62 | 2,066.66 | 18,026.66 | 3,258.79 |
| Kihl, Y. | B | 3,000.00 | 3.12 | | | | | | |
| Lee, Motoko | B | 3,957.78 | 0.10 | 395.78 | N.A. | N.A. | N.A. | 395.78 | 85.88 |
| Mulford, C. | B | 3,127.56 | 4.37 | 13,667.44 | N.A. | N.A. | N.A. | 13,667.44 | 2,324.45 |
| hourly | XH | 3,888.88 | 2.25 | 8,749.98 | 4,277.77 | 0.80 | 3,422.22 | 12,172.20 | 2,641.37 |
| Woodman, W. | B | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | 187.11 | 13.10 |
| | | 3,244.44 | 2.75 | 8,922.21 | N.A. | N.A. | N.A. | 8,922.21 | 1,936.12 |
| Subtotal | | | B, 14.59 | 47,695.41 | N.A. | B, 1.42 | 5,488.88 | 53,371.40 | 10,259.71 |
| O I E S | | | | | | | | | |
| Greisberger | P&S | 1,916.67 | 0.70 | 1,341.67 | N.A. | N.A. | N.A. | 1,341.67 | 293.83 |
| Limbird, M. | P&S | 3,043.83 | 0.45 | 1,369.72 | 3,375.00 | 0.15 | 506.25 | 1,875.97 | 410.84 |
| Subtotal | | | P&S, 1.15 | 2,711.39 | N.A. | P&S, 0.15 | 506.25 | 3,217.64 | 704.67 |
| TOTALS, 3 UNITS | | | A&B, 17.49 C, 0.00 P&S, 1.15 | 58,611.99 | N.A. | A&B, 2.27 C, 2.42 P&S, 0.15 | 10,952.88 | 70,081.98 | 13,377.64 |

*A-base: 1 Oct. '83 to 30 June '84;
 B-base: 1 Oct. '83 to mid-August '84
 **A-base: 1 July '84 to 30 Sept. '84;
 B-base: ½ Aug. through 30 Sept. '84

| (this page) | | | |
|-------------|------------------|-----|------------------|
| Salary: | A&B = 63,908.92 | FB: | A&B = 12,540.40 |
| | C = 2,438.31 | | C = 92.74 |
| | P&S = 3,217.64 | | P&S = 704.67 |
| | XH = 517.11 | | XH = 39.83 |
| | <u>70,081.98</u> | | <u>13,377.64</u> |

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Table 1, Page 3

| Name | Base | Monthly Salary 1983-84* | Person Months | Salary Equiv. to p.m. | 1984-85 Monthly Salary** | Person Months | Salary Equiv. to p.m. | Total Salary | Total F B |
|-------------------------------|------|--------------------------|--|-----------------------|--------------------------|-------------------------------|-----------------------|--------------|-----------|
| <u>Office of Student Life</u> | | | | | | | | | |
| Pounds, A. | P&S | 2,407.08 (Jan.-March) | 2.273 | 5,470.62 | N.A. | N.A. | N.A. | 5,470.62 | 1,126.95 |
| | | 2,647.79 (Apr. & May) | 2.00 | 5,295.58 | N.A. | N.A. | N.A. | 5,295.58 | 1,038.20 |
| Subtotal | | | P&S, 4.273 | 10,766.20 | N.A. | N.A. | N.A. | 10,766.20 | 2,165.15 |
| <u>W F I</u> | | | | | | | | | |
| Dhawan, G. | C | 1,150.00 | 2.25 | 2,587.50 | 1,240.00 | 1.50 | 1,860.00 | 4,447.50 | 22.15 |
| Olson, J. | E | 1,178.00 | 3.55 | 4,181.90 | 1,285.00 | 1.00 | 1,285.00 | 5,466.90 | 1,321.00 |
| Roderuck, C. | A | 4,733.33 | 2.35 | 11,123.33 | 5,166.66 | 1.10 | 5,683.33 | 16,806.66 | 2,878.31 |
| Stewart, M. | C | 1,150.00 | 1.125 | 1,293.75 | 1,240.00 | 0.25 | 310.00 | 1,603.75 | 13.02 |
| Subtotal | | | A, 2.35 E, 3.55 C, 3.375 | 19,186.48 | N.A. | A, 1.10 E, 1.00 C, 1.75 | 9,138.33 | 28,324.81 | 4,234.48 |
| <u>Other</u> | | | | | | | | | |
| Pfantz, T. (DAT) | C | 1,100.00 | C, 2.293 | 2,522.82 | 605.00 | C, 1.52 | 920.65 | 3,443.47 | 17.19 |
| Beck, M. (So. Asia Sem.) | XH | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | 30.00 | .15 |
| Subtotal | | | C, 2.293 | 2,522.82 | N.A. | C, 1.52 | 920.65 | 3,473.47 | 17.34 |
| TOTALS, 3 UNITS | | | A, 2.35 C, 5.668 E, 3.55 P&S, 4.273 | 32,475.50 | N.A. | A, 1.10 C, 3.27 E, 1.00 | 10,058.98 | 42,564.48 | 6,416.97 |

*A-base: 1 Oct. '83 to 30 June '84;
 B-base: 1 Oct. '83 to mid-August '84
 **A-base: 1 July '84 to 30 Sept. '84;
 B-base: ½ Aug. through 30 Sept. '84

| (this page) | |
|-----------------------|------------------|
| Salary: A = 16,806.66 | FB: A = 2,878.31 |
| C = 9,494.72 | C = 52.36 |
| E = 5,466.90 | E = 1,321.00 |
| P&S = 10,766.20 | P&S = 2,165.15 |
| XH = 30.00 | XH = 0.15 |
| <u>42,564.48</u> | <u>6,416.97</u> |

AS

Table 1, Page 4

| | <u>1983-84</u> <u>Person</u> <u>Months</u> | <u>Salary</u> <u>Equiv. to</u> <u>p.m.</u> | <u>1984-85</u> <u>Monthly</u> <u>Salary</u> | <u>Person</u> <u>Months</u> | <u>Salary</u> <u>Equiv. to</u> <u>p.m.</u> | <u>Total</u> <u>Salary</u> | <u>Total</u> <u>F B</u> |
|----------------|---|---|---|---|---|--|--|
| <u>Summary</u> | | | | | | | |
| TOTALS, PAGE 1 | A&B, 3.38 C, 3.50 XH | 9,785.21 3,640.00 N.A. | N.A. N.A. | A&B, 2.96 C, 2.42 XH | 9,654.91 2,438.31 N.A. | 19,440.12 6,078.31 330.00 | 3,970.87 112.74 26.73 |
| PAGE 2 | A&B, 17.49 C, 0.00 P&S, 1.15 XH | 55,900.60 0 2,711.39 N.A. | N.A. N.A. N.A. | A&B, 2.27 C, 2.42 P&S, 0.15 XH | 8,008.32 2,438.31 506.25 N.A. | 63,908.92 2,438.31 3,217.64 517.11 | 12,540.40 92.74 704.67 39.83 |
| PAGE 3 | A, 2.35 C, 5.668 E, 3.55 P&S, 4.273 XH | 11,123.33 6,404.07 4,181.90 10,766.20 N.A. | N.A. N.A. N.A. N.A. N.A. | A, 1.10 C, 3.27 E, 1.00 P&S, 0.00 XH | 5,683.33 3,090.65 1,285.00 0 N.A. | 16,806.66 9,494.72 5,466.90 10,766.20 30.00 | 2,878.31 52.36 1,321.00 2,165.15 .15 |
| GRAND TOTAL | A&B, 23.22 C, 9.168 P&S, 5.423 E, 3.55 XH | 76,809.14 10,044.07 13,477.59 4,181.90 N.A. | N.A. N.A. N.A. N.A. | A&B, 6.33 C, 8.11 P&S, .15 E, 1.00 XH | 23,346.56 7,967.27 506.25 1,285.00 N.A. | 100,155.70 18,011.34 13,983.84 5,466.90 877.11 | 19,389.58 257.84 2,869.82 1,321.00 66.71 |
| | | 104,512.70 | | | 33,105.08 | 138,494.89 | 23,904.95 |
| | | | | | 137,617.78 | | |

Total A- and B-base = 29.55 p.m.
 C-base = 17.278 p.m.
 P&S = 5.573 p.m.
 E-base = 4.55 p.m.
 casual hourly (XH) = N.A.

Table 2

Expenditures on A I D Account 427-28-01
ISU/Title XII Strengthening Grant
Period V

| | <u>Total Spent</u> | <u>Airfare</u> | <u>Expenses</u> | <u>Salary</u> | <u>Fringe Benefits</u> |
|---------------------------------|--------------------|-----------------|------------------|------------------|------------------------|
| <u>Agriculture</u> | | | | | |
| B Abbott, Eric | 174.39 | 0 | 174.39 | 0 | 0 |
| A Hoffmann, Randall | 3,263.60 | 0 | 0 | 2,708.91 | 554.69 |
| A Meyers, William | 100.00 | 0 | 100.00 | 0 | 0 |
| Obeng, Henry (visiting scholar) | 8,200.00 | 0 | 8,200.00 | 0 | 0 |
| A Thompson, Michael | <u>1,025.00</u> | <u>0</u> | <u>1,025.00</u> | <u>0</u> | <u>0</u> |
| Subtotal | 12,762.99 | 0 | 9,499.39 | 2,708.91 | 554.69 |
| <u>Design</u> | | | | | |
| A Shinn, Duane | <u>1,075.05</u> | <u>0</u> | <u>1,075.05</u> | <u>0</u> | <u>0</u> |
| Subtotal | 1,075.05 | 0 | 1,075.05 | 0 | 0 |
| <u>Education</u> | | | | | |
| B Beran, Jan | <u>6,576.79</u> | <u>0</u> | <u>0</u> | <u>5,533.41</u> | <u>1,043.38</u> |
| Subtotal | 6,576.79 | 0 | 0 | 5,533.41 | 1,043.38 |
| <u>Home Economics</u> | | | | | |
| A Elliott, Elizabeth | 195.44 | 0 | 195.44 | 0 | 0 |
| A Love, Mark | 2,890.38 | 0 | 0 | 2,391.75 | 498.63 |
| B Norem, Rosalie | 257.50 | 10.00 | 247.50 | 0 | 0 |
| A Williams, Sally | 222.96 | 0 | 222.96 | 0 | 0 |
| B Winter, Mary | <u>218.50</u> | <u>0</u> | <u>218.50</u> | <u>0</u> | <u>0</u> |
| Subtotal | 3,784.78 | 10.00 | 884.40 | 2,391.75 | 498.63 |
| <u>S & H</u> | | | | | |
| B Hraba, Joseph | 17,436.56 | 2,874.11 | 6,840.45 | 6,600.00 | 1,122.00 |
| E Latta, Charlotte | 200.21 | 0 | 0 | 187.11* | 13.10* |
| B Lee, Motoko | 8,839.40 | 2,679.51 | 2,499.67 | 3,127.55 | 532.67 |
| B Mulford, Charles | 343.74 | 0 | 343.74 | 0 | 0 |
| B Woodman, William | <u>5,232.75</u> | <u>2,638.16</u> | <u>2,594.59</u> | <u>0</u> | <u>0</u> |
| Subtotal | 32,052.66 | 8,191.78 | 12,278.45 | 9,914.66 | 1,667.77 |
| <u>W F I</u> | | | | | |
| C Dhawan, Gita | 3,535.02 | 0 | 0 | 3,517.50 | 17.52 |
| E Olson, Janet | 1,436.30 | 0 | 0 | 1,156.78 | 279.52 |
| A Roderuck, Charlotte | <u>6,038.42</u> | <u>397.50</u> | <u>194.57</u> | <u>4,650.00</u> | <u>796.35</u> |
| Subtotal | 11,009.74 | 397.50 | 194.57 | 9,324.28 | 1,093.39 |
| TOTAL, 6 UNITS | 67,262.01 | 8,599.28 | 23,931.86 | 29,873.01 | 4,857.86 |

*hourly

524

Table 2, Page 2

| | <u>Total Spent</u> | <u>Airfare</u> | <u>Expenses</u> | <u>Salary</u> | <u>Fringe Benefits</u> |
|---------------------------------------|--------------------|----------------|-----------------|-----------------|------------------------|
| <u>O I E S</u> | | | | | |
| P&S Greisberger, John | <u>749.00</u> | <u>599.00</u> | <u>150.00</u> | <u>0</u> | <u>0</u> |
| Subtotal | 749.00 | 599.00 | 150.00 | 0 | 0 |
| <u>Student Affairs</u> | | | | | |
| A Pounds, Augustine | <u>7,083.78</u> | <u>0</u> | <u>750.00</u> | <u>5,295.58</u> | <u>1,038.20</u> |
| Subtotal | 7,083.78 | 0 | 750.00 | 5,295.58 | 1,038.20 |
| <u>Faculty Development Programs</u> | | | | | |
| 1) DAT VI | | | | | |
| C Jones, Harold | 506.20 | 364.00 | 142.20 | 0 | 0 |
| Pfantz, Tamara | 3,460.66 | 0 | 0 | 3,443.47 | 17.19 |
| Seymour, Matt | <u>626.00</u> | <u>364.00</u> | <u>262.00</u> | <u>0</u> | <u>0</u> |
| Subtotal | 4,592.86 | 728.00 | 404.20 | 3,443.47 | 17.19 |
| 2) South Asia Seminar (Fall 1984) | | | | | |
| C Beck, Monica | <u>30.15</u> | <u>0</u> | <u>0</u> | <u>30.00*</u> | <u>.15*</u> |
| Subtotal | 30.15 | 0 | 0 | 30.00 | .15 |
| 3) Southeast Asia Seminar (Fall 1983) | | | | | |
| Anderson, Wann | 612.80 | 0 | 612.80 | 0 | 0 |
| Gregario, Sam | 341.76 | 0 | 341.76 | 0 | 0 |
| Magdamo, Pat | 334.00 | 0 | 334.00 | 0 | 0 |
| Simon, Sheldon | 628.40 | 0 | 628.40 | 0 | 0 |
| General Expenses | <u>107.00</u> | <u>0</u> | <u>107.00</u> | <u>0</u> | <u>0</u> |
| Subtotal | 2,023.96 | 0 | 2,023.96 | 0 | 0 |
| <u>Other</u> | | | | | |
| C Hulbert, Jim | 2,957.11 | 0 | 0 | 2,196.73 | 46.92 |
| C Ybarra, Antonio | 2,818.45 | 0 | 0 | 660.00* | 53.46* |
| Computer | <u>443.93</u> | <u>0</u> | <u>443.93</u> | <u>2,679.89</u> | <u>138.56</u> |
| Subtotal | 6,219.49 | 0 | 443.93 | 5,536.62 | 238.94 |
| TOTAL, 6 UNITS | 20,699.24 | 1,327.00 | 3,772.09 | 14,305.67 | 1,294.48 |
| TOTAL, ALL UNITS (12) | 87,961.25 | 9,926.28 | 27,703.95 | 44,178.68 | 6,152.34 |

37,630.23

*hourly

12/10/84

53

Table 3

Expenditures by Programs
ISU/Title XII Strengthening Grant
Period V

| | <u>Total</u> | <u>Salary AID</u> | <u>Salary ISU</u> | <u>Current Expenses AID</u> | <u>Current Expenses ISU</u> | <u>Fringe Benefits AID</u> | <u>Fringe Benefits ISU</u> |
|-----------------------------------|------------------|-----------------------|-----------------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|
| <u>Support/Mgmt.</u> | | | | | | | |
| C Dhawan, Gita | \$ 4,469.65 | \$3,517.50 | 930.00 | 0 | 0 | 17.52 | 4.63 |
| E Olson, Janet | 6,787.90 | 1,156.78 | 4,310.12 | 0 | 0 | 279.52 | 1,041.48 (24.1636%) |
| A Roderuck, C. | 20,277.04 | 4,650.00 | 12,156.66 | 592.07 | 0 | 796.35 | 2,081.96 (17.126%) |
| C Stewart, M. | 1,616.77 | 0 | 1,603.75 | 0 | 0 | 0 | 13.02 |
| General Exp. | 766.15 | N.A. | N.A. | 0 | 766.15 | N.A. | N.A. |
| Subtotal | 33,917.51 | 9,324.28 | 19,000.53 | 592.07 | 766.15 | 1,093.39 | 3,141.09 |
| <u>Faculty Dev. on Campus</u> | | | | | | | |
| <u>① Language (French)</u> | | | | | | | |
| A Thompson, M. | 2,337.07 | 0 | 1,078.12 | 1,025.00 | 0 | 0 | 233.95 |
| Gen. Exp. | 131.50 | N.A. | N.A. | 0 | 131.50 | N.A. | N.A. |
| Subtotal | 2,468.57 | 0 | 1,078.12 | 1,025.00 | 131.50 | 0 | 233.95 |
| <u>② DAT VI</u> | | | | | | | |
| Jones, H. | 506.20 | 0 | N.A. | 506.20 | N.A. | 0 | N.A. |
| B Lee, Mctoko | 12,331.67 | N.A. here | 10,539.89 | N.A. here | 0 | N.A. here | 1,791.78 |
| P&S Limbird, M. | 2,286.81 | 0 | 1,875.97 | 0 | 0 | 0 | 410.84 (21.9%) |
| C Pfantz, T. | 3,460.66 | 3,443.47 | 0 | 0 | 0 | 17.19 | 0 |
| Seymour, M. | 626.00 | 0 | N.A. | 626.00 | 0 | 0 | N.A. |
| Subtotal | 19,211.34 | 3,443.47 | 12,415.86 | 1,132.20 | 0 | 17.19 | 2,202.62 |
| TOTAL, 3 UNITS | 55,597.42 | 12,767.75 | 32,494.51 | 2,749.27 | 897.65 | 1,110.58 | 5,577.66 |

SPK

Table 3, Page 2

| Fac. Dev. (con't) | Total | Salary AID | Salary ISU | Current Expenses AID | Current Expenses ISU | Fringe Benefits AID | Fringe Benefits ISU |
|--|------------------|-----------------|------------------|----------------------------|----------------------------|---------------------------|---------------------------|
| ③ SE Asia Sem., 1 Oct. '83-30 Nov. '83 | | | | | | | |
| Anderson, W. | \$ 612.80 | 0 | N.A. | \$ 612.80 | N.A. | 0 | N.A. |
| B Beran, Jan | 1,570.08 | 1,341.76 | N.A. | 0 | 0 | 228.32 | N.A. |
| Gregario, S. | 341.76 | 0 | N.A. | 341.76 | N.A. | 0 | N.A. |
| Magdamo, Pat | 334.00 | 0 | N.A. | 334.00 | N.A. | 0 | N.A. |
| Simon, S. | 628.40 | 0 | N.A. | 628.40 | N.A. | 0 | N.A. |
| General Exp. | 279.41 | N.A. | N.A. | 107.00 | 172.41 | N.A. | N.A. |
| Subtotal | 3,766.45 | 1,341.76 | 0 | 2,023.96 | 172.41 | 228.32 | 0 |
| ④ S. Asia Sem., Summer '84-30 Sept. '84 | | | | | | | |
| hourly, Beck, Monica | 30.15 | 30.00* | 0 | 0 | 0 | .15* | 0 |
| B Beran, Jan | 5,006.71 | 4,191.65 | N.A. | 0 | 0 | 815.06 | N.A. |
| General Exp. | 458.48 | N.A. | N.A. | 0 | 458.48 | N.A. | N.A. |
| Subtotal | 5,495.34 | 4,221.65 | 0 | 0 | 458.48 | 815.21 | 0 |
| ⑤ Deliv. of Services to Subsis. Farmers | | | | | | | |
| hourly, Latta, C. | 200.21 | 187.11* | 0 | 0 | 0 | 13.10* | 0 |
| B Mulford, C. | 14,813.57 | 0 | 12,172.20 | 0 | 0 | 0 | 2,641.37 |
| General Exp. | 343.74 | N.A. | N.A. | 343.74 | 0 | N.A. | N.A. |
| Subtotal | 15,357.52 | 187.11* | 12,172.20 | 343.74 | 0 | 13.10* | 2,641.37 |
| ⑥ Using LANDSAT Data to Plan Rural Dev. | | | | | | | |
| C Dzakuma, S. | 3,660.00 | 0 | 3,640.00 | 0 | 0 | 0 | 20.00 (est.) |
| A Shinn, Duane | 1,850.85 | 0 | 1,520.83 | 0 | 0 | 0 | 330.02 |
| General Exp. | 1,075.05 | N.A. | N.A. | 1,075.05 | 0 | N.A. | N.A. |
| Subtotal | 6,585.90 | 0 | 5,160.83 | 1,075.05 | 0 | 0 | 350.02 |
| TOTAL, 4 UNITS | 31,205.21 | 5,750.52 | 17 333.03 | 3,442.75 | 630.89 | 1,056.63 | 2,991.39 |
| *hourly | | | | | | | |

SS

Table 3, Page 3

| | <u>Total</u> | <u>Salary AID</u> | <u>Salary ISU</u> | <u>Current Expenses AID</u> | <u>Current Expenses ISU</u> | <u>Fringe Benefits AID</u> | <u>Fringe Benefits ISU</u> |
|---|------------------|-----------------------|-----------------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|
| <u>Fac. Dev. (cont.)</u> | | | | | | | |
| ⑦ <u>Visiting African Soil Scientist</u> | | | | | | | |
| A Fenton, Tom | \$ 404.23 | 0 | 332.15 | 0 | 0 | 0 | 72.08 |
| Obeng, Henry | 13,500.00 | 0 | 0 | 8,200.00* | 5,300.00* | 0 | 0 |
| Subtotal | 13,904.23 | 0 | 332.15 | 8,200.00 | 5,300.00 | 0 | 72.08 |
| Subtotal, Fac. Dev., 7 Units | 66,789.35 | 9,193.99 | 31,159.16 | 13,799.95 | 6,062.39 | 1,073.82 | 5,500.04 |
| <u>Latin American Activities</u> | | | | | | | |
| ① <u>Follow-up</u> | | | | | | | |
| A Hughes, Ruth | 902.10 | 0 | 741.25 | 0 | 0 | 0 | 160.85 |
| A Williams, S. | 3,117.55 | 0 | 2,561.67 | N.A. here | 0 | 0 | 555.88 |
| B Winter, Mary | 418.85 | 0 | 344.17 | N.A. here | 0 | 0 | 74.68 |
| Subtotal | 4,438.50 | 0 | 3,647.09 | 0 | 0 | 0 | 791.41 |
| ② <u>Pacifico Sur Data Analysis Project</u> | | | | | | | |
| B Abbott, Eric | 4,378.16 | 0 | 3,597.50 | N.A. here | 0 | 0 | 780.66 |
| C Hulbert, J. | 2,957.11 | 2,196.73 660.00** | 0 | 0 | 0 | 46.92 53.46** | 0 |
| B Norem, R. | 2,925.00 | 0 | 2,403.45 | N.A. here | 0 | 0 | 521.55 |
| C Ybarra, A. | 2,818.45 | 2,679.89 | N.A. | 0 | 0 | 138.56 | N.A. |
| Computer | 443.93 | N.A. | N.A. | 443.93 | 0 | N.A. | N.A. |
| Subtotal | 13,522.65 | 5,536.62 | 6,000.95 | 443.93 | 0 | 238.94 | 1,302.21 |
| Subtotal, L.A. (2) | 17,961.15 | 5,536.62 | 9,648.04 | 443.93 | 0 | 238.94 | 2,093.62 |
| TOTAL, 3 UNITS | 31,865.38 | 5,536.62 | 9,980.19 | 8,643.93 | 5,300.00 | 238.94 | 2,165.70 |

*stipend
**hourly

50X

1
6
1

Table 3, Page 4

| | <u>Total</u> | <u>Salary AID</u> | <u>Salary ISU</u> | <u>Current Expenses AID</u> | <u>Current Expenses ISU</u> | <u>Fringe Benefits AID</u> | <u>Fringe Benefits ISU</u> |
|---|------------------|-----------------------|-----------------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|
| <u>African Activities</u> | | | | | | | |
| ① <u>On Campus</u> | | | | | | | |
| A Dupont, J. | 906.36 | 0 | 744.75 | 0 | 0 | 0 | 161.61 |
| A Love, Mark | 4,748.56 | 2,391.75 | 1,537.59 | 0 | 0 | 498.63 | 320.59 (20.8%) |
| Subtotal | 5,654.92 | 2,391.75 | 2,282.34 | 0 | 0 | 498.63 | 482.20 |
| ② <u>Off Campus in conj. with ISU/Zambia/ USAID Project</u> | | | | | | | |
| B Hraba, J. | 31,000.01 | 6,600.00 | 11,426.66 | 9,714.56 | 0 | 1,122.00 | 2,136.79 (18.7%) |
| B Lee, Motoko | 8,839.40 | 3,127.55 | N.A. here | 5,179.18 | 0 | 532.67 | N.A. here |
| P&S Pounds, A. | 13,681.35 | 5,295.58 | 5,470.62 | 750.00 | 0 | 1,038.20 | 1,126.95 |
| B Woodman, W. | 16,091.08 | 0 | 8,922.21 | 5,232.75 | 0 | 0 | 1,936.12 |
| Subtotal | 69,611.84 | 15,023.13 | 25,819.49 | 20,876.49 | 0 | 2,692.87 | 5,199.86 |
| Subtotal, Africa (2) | 75,266.76 | 17,414.88 | 28,101.83 | 20,876.49 | 0 | 3,191.50 | 5,682.06 |
| <u>Asian Activities (off campus)</u> | | | | | | | |
| B Kihl, Young | 481.66 | 0 | 395.78 | 0 | 0 | 0 | 85.88 |
| Subtotal | 481.66 | 0 | 395.78 | 0 | 0 | 0 | 85.88 |
| TOTAL, 3 UNITS | 75,748.42 | 17,414.88 | 28,497.61 | 20,876.49 | 0 | 3,191.50 | 5,767.94 |

LS

Table 3, Page 5

| | <u>Total</u> | <u>Salary AID</u> | <u>Salary ISU</u> | <u>Current Expenses AID</u> | <u>Current Expenses ISU</u> | <u>Fringe Benefits AID</u> | <u>Fringe Benefits ISU</u> |
|--|-----------------|-----------------------|-----------------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|
| <u>Off-campus Conferences, Symposia, Workshops</u> | | | | | | | |
| B Abbott, Eric | 174.39 | 0 | N.A. here | 174.39 | 0 | 0 | N.A. here |
| A Amos, Rosalie | 159.84 | 0 | 0 | 0 | 159.84 | 0 | 0 |
| A Elliott, E. | 195.44 | 0 | 0 | 195.44 | 0 | 0 | 0 |
| P&S Greisberger, J. | 2,384.50 | 0 | 1,341.67 | 749.00 | 0 | 0 | 293.83 |
| A Hira, Tahira | 161.27 | 0 | 0 | 0 | 161.27 | 0 | 0 |
| A Meyers, Willie | 459.63 | 0 | 0 | 100.00 | 359.63 | 0 | 0 |
| B Norem, Rosalie | 257.50 | 0 | N.A. here | 257.50 | 0 | 0 | N.A. here |
| A Roderuck, C. | 412.74 | N.A. here | N.A. here | N.A. here | 412.74 | N.A. here | N.A. here |
| A Williams, S. | 222.96 | 0 | 0 | 222.96 | 0 | 0 | 0 |
| B Winter, Mary | 218.50 | 0 | N.A. here | 218.50 | 0 | 0 | N.A. here |
| Subtotal | 4,646.77 | 0 | 1,341.67 | 1,917.79 | 1,093.48 | 0 | 293.83 |

Adminis. Support,
Int'l Ag Programs

| | | | | | | | |
|-----------------|-----------------|-----------------|-----------------|----------|----------|---------------|---------------|
| A Hoffmann, R. | 8,888.89 | 2,708.91 | 4,669.20 | 0 | 0 | 554.69 | 956.09 |
| Subtotal | 8,888.89 | 2,708.91 | 4,669.20 | 0 | 0 | 554.69 | 956.09 |

TOTAL, 2 UNITS 13,535.66 2,708.91 6,010.87 1,917.79 1,093.48 554.69 1,249.92

| | | | | | | | |
|----------------------------------|---------------------|------------------|------------------|------------------|-----------------|-----------------|------------------|
| TOTAL, PAGE 1 | 33,597.42 | 12,767.75 | 32,494.51 | 2,749.27 | 897.65 | 1,110.58 | 5,577.66 |
| TOTAL, PAGE 2 | 31,205.21 | 5,750.52 | 17,333.03 | 3,442.75 | 630.89 | 1,056.63 | 2,991.39 |
| TOTAL, PAGE 3 | 31,865.38 | 5,536.62 | 9,980.19 | 8,643.93 | 5,300.00 | 238.94 | 2,165.70 |
| TOTAL, PAGE 4 | 75,748.42 | 17,414.88 | 28,497.61 | 20,876.49 | 0 | 3,191.50 | 5,767.94 |
| TOTAL, PAGE 5 | 13,535.66 | 2,708.91 | 6,010.87 | 1,917.79 | 1,093.48 | 554.69 | 1,249.92 |
| GRAND TOTAL, PERIOD V | \$207,952.09 | 44,178.68 | 94,316.21 | 37,630.23 | 7,922.02 | 6,152.34 | 17,752.61 |

138,494.89

45,552.25

23,904.95

1/30/85

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Table 4

Summary of Expenditures by Related Programs
ISU/Title XII Strengthening Grant
Period V

| | <u>Total</u> | <u>A I D</u> | <u>I S U</u> |
|---|------------------|------------------|------------------|
| <u>Latin American Activities</u> | | | |
| 1. <u>Follow-up</u> | | | |
| Salaries | 3,647.09 | 0 | 3,647.09 |
| Fringe Benefits | 791.41 | 0 | 791.41 |
| Current Expenses | 0 | 0 | 0 |
| <u>Subtotal, LA Follow-up</u> | <u>4,438.50</u> | <u>0</u> | <u>4,438.50</u> |
| 2. <u>Pacifico Sur Data Analysis Project</u> | | | |
| Salaries | 11,537.57 | 5,536.62 | 6,000.95 |
| Fringe Benefits | 1,541.15 | 238.94 | 1,302.21 |
| Current Expenses | 443.93 | 443.93 | 0 |
| <u>Subtotal, IICA</u> | <u>13,522.65</u> | <u>6,219.49</u> | <u>7,303.16</u> |
| Subtotal, 2 Units | 17,961.15 | 6,219.49 | 11,741.66 |
| <u>African Activities</u> | | | |
| 1. <u>On Campus</u> | | | |
| Salaries | 4,674.09 | 2,391.75 | 2,282.34 |
| Fringe Benefits | 980.83 | 498.63 | 482.20 |
| Current Expenses | 0 | 0 | 0 |
| <u>Subtotal, Africa, on c.</u> | <u>5,654.92</u> | <u>2,890.38</u> | <u>2,764.54</u> |
| 2. <u>Off Campus in conjunction with ISU/Zambia/USAID Project</u> | | | |
| Salaries | 40,842.62 | 15,023.13 | 25,819.49 |
| Fringe Benefits | 7,892.73 | 2,692.87 | 5,199.86 |
| Current Expenses | 20,876.49 | 20,876.49 | 0 |
| <u>Subtotal, Africa, off c.</u> | <u>69,611.84</u> | <u>38,592.49</u> | <u>31,019.35</u> |
| Subtotal, 2 Units | 75,266.76 | 41,482.87 | 33,783.89 |
| <u>Asian Activities</u> | | | |
| <u>Off Campus</u> | | | |
| Salary | 395.78 | 0 | 395.78 |
| Fringe Benefits | 85.88 | 0 | 85.88 |
| Current Expenses | 0 | 0 | 0 |
| <u>Subtotal, Asia</u> | <u>481.66</u> | <u>0</u> | <u>481.66</u> |
| <u>Off-campus Conferences, Symposia, Workshops</u> | | | |
| Salaries | 1,341.67 | 0 | 1,341.67 |
| Fringe Benefits | 293.83 | 0 | 293.83 |
| Current Expenses | 3,011.27 | 1,917.79 | 1,093.48 |
| <u>Subtotal, conf. etc.</u> | <u>4,646.77</u> | <u>1,917.79</u> | <u>2,728.98</u> |
| TOTAL, 6 UNITS | 98,356.34 | 49,620.15 | 48,736.19 |

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Table 4, Page 2

| | <u>Total</u> | <u>A I D</u> | <u>I S U</u> |
|---|------------------|------------------|------------------|
| <u>Faculty Development On Campus</u> | | | |
| 1. <u>Language - French</u> | | | |
| Salary | 1,078.12 | 0 | 1,078.12 |
| Fringe Benefits | 233.95 | 0 | 233.95 |
| Current Expenses | 1,156.50 | 1,025.00 | 131.50 |
| Subtotal, Language | 2,468.57 | 1,025.00 | 1,443.57 |
| 2. <u>DAT VI</u> | | | |
| Salaries | 15,859.33 | 3,443.47 | 12,415.86 |
| Fringe Benefits | 2,219.81 | 17.19 | 2,202.62 |
| Current Expenses | 1,132.20 | 1,132.20 | 0 |
| Subtotal, DAT VI | 19,211.34 | 4,592.86 | 14,618.48 |
| 3. <u>SE Asia Seminar, 1 Oct. '83-</u> <u>30 Nov. '83</u> | | | |
| Salary | 1,341.76 | 1,341.76 | 0 |
| Fringe Benefits | 228.32 | 228.32 | 0 |
| Current Expenses | 2,196.37 | 2,023.96 | 172.41 |
| Subtotal, SE Asia Sem. | 3,766.45 | 3,594.04 | 172.41 |
| 4. <u>South Asia Sem., Summer '84-</u> <u>30 Sept '84</u> | | | |
| Salary + Hourly Wages (\$30) | 4,221.65 | 4,221.65 | 0 |
| Fringe Benefits (hourly, \$0.15) | 815.21 | 815.21 | 0 |
| Current Expenses | 458.48 | 0 | 458.48 |
| Subtotal, S. Asia Sem. | 5,495.34 | 5,036.86 | 458.48 |
| 5. <u>Delivery of Services</u> <u>to Subsistence Farmers</u> | | | |
| Salaries | 12,359.31 | 187.11 | 12,172.20 |
| Fringe Benefits | 2,654.47 | 13.10 | 2,641.37 |
| Current Expenses | 343.74 | 343.74 | 0 |
| Subtotal, Farmers' Study | 15,357.52 | 543.95 | 14,813.57 |
| 6. <u>Planning (using LANDSAT Data</u> <u>to plan rural development)</u> | | | |
| Salaries | 5,160.83 | 0 | 5,160.83 |
| Fringe Benefits | 350.02 | 0 | 350.02 |
| Current Expenses | 1,075.05 | 1,075.05 | 0 |
| Subtotal, Plan. w/LANDSAT | 6,585.90 | 1,075.05 | 5,510.85 |
| 7. <u>Visiting African</u> <u>Soil Scientist</u> | | | |
| Salary | 332.15 | 0 | 332.15 |
| Fringe Benefits | 72.08 | 0 | 72.08 |
| Current Expenses | 13,500.00 | 8,200.00 | 5,300.00 |
| Sub., Afr. Soil Scientist | 13,904.23 | 8,200.00 | 5,704.23 |
| TOTAL, 7 UNITS | 66,789.35 | 24,067.76 | 42,721.59 |

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Table 4, Page 3

| | <u>Total</u> | <u>A I D</u> | <u>I S U</u> |
|--|---------------------|------------------|-------------------|
| <u>Support/Management</u> | | | |
| Salaries | 28,324.81 | 9,324.28 | 19,000.53 |
| Fringe Benefits | 4,234.48 | 1,093.39 | 3,141.09 |
| Current Expenses | <u>1,358.22</u> | <u>592.07</u> | <u>766.15</u> |
| <u>Subtotal, Support/Mgmt.</u> | <u>33,917.51</u> | <u>11,009.74</u> | <u>22,907.77</u> |
| <u>Support, Int'l Agricultural Programs Office</u> | | | |
| Salary | 7,378.11 | 2,708.91 | 4,669.20 |
| Fringe Benefits | 1,510.78 | 554.69 | 956.09 |
| Current Expenses | <u>0</u> | <u>0</u> | <u>0</u> |
| <u>Sub., Int'l Ag Prog. Sup.</u> | <u>8,888.89</u> | <u>3,263.60</u> | <u>5,625.29</u> |
| TOTAL, 2 UNITS | 42,806.40 | 14,273.34 | 28,533.06 |
| ----- | | | |
| TOTAL, PAGE 1 | 98,356.34 | 49,620.15 | 48,736.19 |
| PAGE 2 | 66,789.35 | 24,067.76 | 42,721.59 |
| PAGE 3 (above) | <u>42,806.40</u> | <u>14,273.34</u> | <u>28,533.06</u> |
| | <u>\$207,952.09</u> | <u>87,961.25</u> | <u>119,990.84</u> |

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Table 5

Expenditures by Activities Related to Geographical Areas
ISU/Title XII Strengthening Grant
Period V

| | <u>Total</u> | <u>Percent</u> | <u>A I D</u> | <u>I S U</u> |
|--|---------------------|----------------|---------------------|---------------------|
| Latin America (2) | \$17,961.15 | 8.64 | \$ 6,219.49 | 11,741.66 |
| Asia (3) | 9,743.45 | 4.69 | 8,630.90 | 1,112.55 |
| Africa (4) | 91,639.56 | 44.07 | | 40,931.69 |
| Faculty Develop- ment Seminars, Workshops, etc. (4) | 45,801.53 | 22.03 | 8,129.65 | 37,671.88 |
| Adm. Support, Int'l Ag Programs | 8,888.89 | 4.22 | 3,263.60 | 5,625.29 |
| General Manage- ment & Support | 33,917.51 | 16.31 | 11,009.74 | 22,907.77 |
| | <u>\$207,952.09</u> | <u>99.96</u> | <u>\$ 87,961.25</u> | <u>\$119,990.84</u> |

1/30/85

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Table 6

Expenditures by Departments within Colleges
ISU/Title XII Strengthening Grant
Period V

| | <u>Grand Total</u> | <u>T O T A L</u> <u>A I D</u> | <u>I S U</u> | <u>Salary AID</u> | <u>Salary ISU</u> | <u>Current Expenses AID</u> | <u>Current Expenses ISU</u> | <u>Fringe Benefits AID</u> | <u>Fringe Benefits ISU</u> |
|--|------------------------|----------------------------------|------------------|-----------------------|-----------------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|
| Agriculture | | | | | | | | | |
| Agronomy | | | | | | | | | |
| Fenton, T. | 404.23 | 0 | 404.23 | 0 | 332.15 | 0 | 0 | 0 | 72.08 |
| Obeng, H. | 13,500.00 | 8,200.00 | 5,300.00 | 0 | 0 | 8,200.00 | 5,300.00 | 0 | 0 |
| Thompson, M. | 2,337.07 | 1,025.00 | 1,312.07 | 0 | 1,078.12 | 1,025.00 | 0 | 0 | 233.95 |
| Agron. Total | 16,241.30 | 9,225.00 | 7,016.30 | 0 | 1,410.27 | 9,225.00 | 5,300.00 | 0 | 306.03 |
| Economics | | | | | | | | | |
| Meyers, W. | 459.63 | 100.00 | 359.63 | 0 | 0 | 100.00 | 359.63 | 0 | 0 |
| Int'l Programs | | | | | | | | | |
| Hoffmann, R. | 8,888.89 | 3,263.60 | 5,625.29 | 2,708.91 | 4,669.20 | 0 | 0 | 554.69 | 956.09 |
| Jl/Mass Comm. | | | | | | | | | |
| Abbott, E. | 4,552.55 | 174.39 | 4,378.16 | 0 | 3,597.50 | 174.39 | 0 | 0 | 780.66 |
| ½ of 2 RAS + c.e. in joint proj. | 3,109.74 | 3,109.74 | 0 | 2,768.31 | N.A. | 221.96 | 0 | 119.47 | N.A. |
| Jl/MC total | 7,662.29 | 3,284.13 | 4,378.16 | 2,768.31 | 3,597.50 | 396.35 | 0 | 119.47 | 780.66 |
| Sub., Ag | 33,252.11 | 15,872.73 | 17,379.38 | 5,477.22 | 9,676.97 | 9,721.35 | 5,659.63 | 674.16 | 2,042.78 |
| Design | | | | | | | | | |
| C R P | | | | | | | | | |
| Dzakuma, S. | 3,660.00 | 0 | 3,660.00 | 0 | 3,640.00 | 0 | 0 | 0 | 20.00 |
| Shinn, D. | 1,850.85 | 0 | 1,850.85 | 0 | 1,520.83 | 0 | 0 | 0 | 330.02 |
| Proj. Exp. | 1,075.05 | 1,075.05 | N.A. | N.A. | N.A. | 1,075.05 | 0 | N.A. | N.A. |
| Sub., Des. | 6,585.90 | 1,075.05 | 5,510.85 | 0 | 5,160.83 | 1,075.05 | 0 | 0 | 350.02 |
| Education | | | | | | | | | |
| P E | | | | | | | | | |
| Beran, J. | 6,576.79 | 6,576.79 | 0 | 5,533.41 | 0 | 0 | 0 | 1,043.38 | 0 |
| Sub., Ed | 6,576.79 | 6,576.79 | 0 | 5,533.41 | 0 | 0 | 0 | 1,043.38 | 0 |
| TOTAL, 3 UNITS | 46,414.80 | 23,524.57 | 22,890.23 | 11,010.63 | 14,837.80 | 10,796.40 | 5,659.63 | 1,717.54 | 2,392.80 |

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Table 6, Page 2

| | <u>Grand Total</u> | <u>T O T A L A I D</u> | <u>T A L I S U</u> | <u>Salary AID</u> | <u>Salary ISU</u> | <u>Current Expenses AID</u> | <u>Current Expenses ISU</u> | <u>Fringe Benefits AID</u> | <u>Fringe Benefits ISU</u> |
|--|------------------------|----------------------------|------------------------|-----------------------|-----------------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|
| <u>Home Economics</u> | | | | | | | | | |
| <u>Adminis./Ext.</u> | | | | | | | | | |
| Elliott, E. | 195.44 | 195.44 | 0 | 0 | 0 | 195.44 | 0 | 0 | 0 |
| <u>Family Env.</u> | | | | | | | | | |
| Hira, T. | 161.27 | 0 | 161.27 | 0 | 0 | 0 | 161.27 | 0 | 0 |
| Norem, R. | 3,182.50 | 257.50 | 2,925.00 | 0 | 2,403.45 | 257.50 | 0 | 0 | 0 |
| ½ of 2 RAs + c.e. in joint proj. | 3,109.75 | 3,109.75 | 0 | 2,768.31 | N.A. | 221.97 | 0 | 119.47 | N.A. |
| Winter, M. | 637.35 | 218.50 | 418.85 | 0 | 344.17 | 218.50 | 0 | 0 | 74.68 |
| <u>F E Total</u> | <u>7,090.87</u> | <u>3,585.75</u> | <u>3,505.12</u> | <u>2,768.31</u> | <u>2,747.62</u> | <u>697.97</u> | <u>161.27</u> | <u>119.47</u> | <u>596.23</u> |
| <u>F & N</u> | | | | | | | | | |
| Dupont, J. | 906.36 | 0 | 906.36 | 0 | 744.75 | 0 | 0 | 0 | 161.61 |
| Love, M. | 4,748.56 | 2,890.38 | 1,858.18 | 2,391.75 | 1,537.59 | 0 | 0 | 0 | 320.59 |
| <u>F&N Total</u> | <u>5,654.92</u> | <u>2,890.38</u> | <u>2,764.54</u> | <u>2,391.75</u> | <u>2,282.34</u> | <u>0</u> | <u>0</u> | <u>498.63</u> | <u>320.59</u> |
| <u>H Ec Ed</u> | | | | | | | | <u>498.63</u> | <u>482.20</u> |
| Amos, R. | 159.84 | 0 | 159.84 | 0 | 0 | 0 | 159.84 | 0 | 0 |
| Hughes, R. | 902.10 | 0 | 902.10 | 0 | 741.25 | 0 | 0 | 0 | 160.85 |
| Williams, S. | 3,340.51 | 222.96 | 3,117.55 | 0 | 2,561.67 | 222.96 | 0 | 0 | 555.88 |
| <u>H Ec Ed Tot.</u> | <u>4,402.45</u> | <u>222.96</u> | <u>4,179.49</u> | <u>0</u> | <u>3,302.92</u> | <u>222.96</u> | <u>159.84</u> | <u>0</u> | <u>716.73</u> |
| <u>Sub., H Ec</u> | <u>17,343.68</u> | <u>6,894.53</u> | <u>10,449.15</u> | <u>5,160.06</u> | <u>8,332.88</u> | <u>1,116.37</u> | <u>321.11</u> | <u>618.10</u> | <u>1,795.16</u> |
| <u>Sciences & H.</u> | | | | | | | | | |
| <u>Poli Sci</u> | | | | | | | | | |
| Kihl, Y. | 481.66 | 0 | 481.66 | 0 | 395.78 | 0 | 0 | 0 | 85.88 |
| <u>Sociology</u> | | | | | | | | | |
| Hraba, J. | 31,000.01 | 17,436.56 | 13,563.45 | 6,600.00 | 11,426.66 | 9,714.56 | 0 | 1,122.00 | 2,136.79 |
| Lee, Motoko | 21,171.07 | 8,839.40 | 12,331.67 | 3,127.55 | 10,539.89 | 5,179.18 | 0 | 532.67 | 1,791.78 |
| Mulford, C. | 15,357.52 | 543.95 | 14,813.57 | 187.11 | 12,172.20 | 343.74 | 0 | 13.10 | 2,641.37 |
| Woodman, W. | 16,091.08 | 5,232.75 | 10,858.33 | 0 | 8,922.21 | 5,232.75 | 0 | 0 | 1,936.12 |
| <u>Soc Total</u> | <u>83,619.68</u> | <u>32,052.66</u> | <u>51,567.02</u> | <u>9,914.66</u> | <u>43,060.96</u> | <u>20,470.23</u> | <u>0</u> | <u>1,667.77</u> | <u>8,506.06</u> |
| <u>Sub., S & H</u> | <u>84,101.34</u> | <u>32,052.66</u> | <u>52,048.68</u> | <u>9,914.66</u> | <u>43,456.74</u> | <u>20,470.23</u> | <u>0</u> | <u>1,667.77</u> | <u>8,591.94</u> |
| TOTAL, 2 UNITS | 101,445.02 | 38,947.19 | 62,497.83 | 15,074.72 | 51,789.62 | 21,586.60 | 321.11 | 2,285.87 | 10,387.10 |

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Table 6, Page 3

| | <u>Grand Total</u> | <u>T O T A L</u> <u>A I D</u> | <u>T A L</u> <u>I S U</u> | <u>Salary</u> <u>AID</u> | <u>Salary</u> <u>ISU</u> | <u>Current</u> <u>Expenses</u> <u>AID</u> | <u>Current</u> <u>Expenses</u> <u>ISU</u> | <u>Fringe</u> <u>Benefits</u> <u>AID</u> | <u>Fringe</u> <u>Benefits</u> <u>ISU</u> |
|--|--------------------|----------------------------------|------------------------------|-----------------------------|-----------------------------|---|---|--|--|
| <u>World Food Inst.</u> | | | | | | | | | |
| Dhawan, G. | 4,469.65 | 3,535.02 | 934.63 | 3,517.50 | 930.00 | 0 | 0 | 17.52 | 4.63 |
| Olson, J. | 6,787.90 | 1,436.30 | 5,351.60 | 1,156.78 | 4,310.12 | 0 | 0 | 279.52 | 1,041.48 |
| Roderuck, C. | 20,689.78 | 6,038.42 | 14,651.36 | 4,650.00 | 12,156.66 | 592.07 | 412.74 | 796.35 | 2,081.96 |
| Stewart, M. | 1,616.77 | 0 | 1,616.77 | 0 | 1,603.75 | 0 | 0 | 0 | 13.02 |
| Gen. Support | 897.65 | 0 | 897.65 | N.A. | N.A. | 0 | 897.65 | N.A. | N.A. |
| <u>Sub., WFI</u> | <u>34,461.75</u> | <u>11,009.74</u> | <u>23,452.01</u> | <u>9,324.28</u> | <u>19,000.53</u> | <u>592.07</u> | <u>1,310.39</u> | <u>1,093.39</u> | <u>3,141.09</u> |
| <u>O I E S</u> | | | | | | | | | |
| Greisberger | 2,384.50 | 749.00 | 1,635.50 | 0 | 1,341.67 | 749.00 | 0 | 0 | 293.83 |
| Limbird, M. | 2,286.81 | 0 | 2,286.81 | 0 | 1,875.97 | 0 | 0 | 0 | 410.84 |
| <u>Sub., OIES</u> | <u>4,671.31</u> | <u>749.00</u> | <u>3,922.31</u> | <u>0</u> | <u>3,217.64</u> | <u>749.00</u> | <u>0</u> | <u>0</u> | <u>704.67</u> |
| <u>Office of</u> <u>Student Life</u> <u>Pounds, A.</u> | 13,681.35 | 7,083.78 | 6,597.57 | 5,295.58 | 5,470.62 | 750.00 | 0 | 1,038.20 | 1,126.95 |
| <u>Sub., S L</u> | <u>13,681.35</u> | <u>7,083.78</u> | <u>6,597.57</u> | <u>5,295.58</u> | <u>5,470.62</u> | <u>750.00</u> | <u>0</u> | <u>1,038.20</u> | <u>1,126.95</u> |
| <u>Unassigned to</u> <u>Specific Units</u> <u>or Individuals</u> | | | | | | | | | |
| S. Asia Sem. | 488.63 | 30.15 | 458.48 | 30.00 | N.A. | 0 | 458.48 | .15 | N.A. |
| SE Asia Sem. | 2,196.37 | 2,023.96 | 172.41 | 0 | N.A. | 2,023.96 | 172.41 | 0 | N.A. |
| DAT VI | 4,592.86 | 4,592.86 | 0 | 3,443.47 | 0 | 1,132.20 | 0 | 17.19 | 0 |
| <u>Sub., Unassign</u> | <u>7,277.86</u> | <u>6,646.97</u> | <u>630.89</u> | <u>3,473.47</u> | <u>0</u> | <u>3,156.16</u> | <u>630.89</u> | <u>17.34</u> | <u>0</u> |
| <u>TOTAL, 4 UNITS</u> | <u>60,092.27</u> | <u>25,489.49</u> | <u>34,602.78</u> | <u>18,093.33</u> | <u>27,688.79</u> | <u>5,247.23</u> | <u>1,941.28</u> | <u>2,148.93</u> | <u>4,972.71</u> |
| <u>TOTAL, PAGE 1</u> | <u>46,414.80</u> | <u>23,524.57</u> | <u>22,890.23</u> | <u>11,010.63</u> | <u>14,837.80</u> | <u>10,796.40</u> | <u>5,659.63</u> | <u>1,717.54</u> | <u>2,392.80</u> |
| <u>TOTAL, PAGE 2</u> | <u>101,445.02</u> | <u>38,947.19</u> | <u>62,497.83</u> | <u>15,074.72</u> | <u>51,789.62</u> | <u>21,586.60</u> | <u>321.11</u> | <u>2,285.87</u> | <u>10,387.10</u> |
| <u>TOTAL, THIS P.</u> | <u>60,092.27</u> | <u>25,489.49</u> | <u>34,602.78</u> | <u>18,093.33</u> | <u>27,688.79</u> | <u>5,247.23</u> | <u>1,941.28</u> | <u>2,148.93</u> | <u>4,972.71</u> |
| <u>GRAND TOTAL</u> | <u>207,952.09</u> | <u>87,961.25</u> | <u>119,990.84</u> | <u>44,178.68</u> | <u>94,316.21</u> | <u>37,630.23</u> | <u>7,922.02</u> | <u>6,152.34</u> | <u>17,752.61</u> |
| | | | | 138,494.89 | | 45,552.25 | | 23,904.95 | |

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Table 7

Expenditures by Appointment Bases
ISU/Title XII Strengthening Grant
Period V

| | <u>Total</u> | <u>A I D</u> | <u>I S U</u> |
|-----------------------------------|---------------------|----------------------|----------------------|
| <u>Salaries</u> | | | |
| A- and B-base | \$100,155.70 | 25,011.62 (06) | \$ 75,144.08 (17) |
| C-base | 18,011.34 | 11,837.59 (04) | 6,173.75 (06) |
| E-base | 5,466.90 | 1,156.78 (01) | 4,310.12 (01) |
| P&S | <u>13,983.84</u> | <u>5,295.58</u> (01) | <u>8,688.26</u> (03) |
| | 137,617.78 | 43,301.57 | 94,316.21 |
| Hourly | 877.11 | <u>877.11</u> (03) | <u>0</u> |
| Subtotal, Sal. & Wages | | | |
| | 138,494.89 | 44,178.68 | 94,316.21 |
| <u>Fringe Benefits</u> | | | |
| A- and B-base | 19,389.58 | 4,547.72 | 14,841.86 |
| C-base | 257.84 | 220.19 | 37.65 |
| E-base | 1,321.00 | 279.52 | 1,041.48 |
| P&S | <u>2,869.82</u> | <u>1,038.20</u> | <u>1,831.62</u> |
| | 23,838.24 | 6,085.63 | 17,752.61 |
| Hourly | 66.71 | <u>66.71</u> | <u>0</u> |
| Subtotal, F B | | | |
| | 23,904.95 | 6,152.34 | 17,752.61 |
| TOTAL SAL., WAGES, FB | 162,399.84 | 50,331.02 | 112,068.82 |
| TOTAL AIRFARE | 9,926.28 | 9,926.28 | 579.89 |
| TOTAL CURRENT EXP. | <u>35,625.97</u> | <u>27,703.95</u> | <u>7,342.13</u> |
| GRAND TOTAL | <u>\$207,952.09</u> | <u>\$ 87,961.25</u> | <u>\$119,990.84</u> |

37,630.23

7,922.02

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Table 8

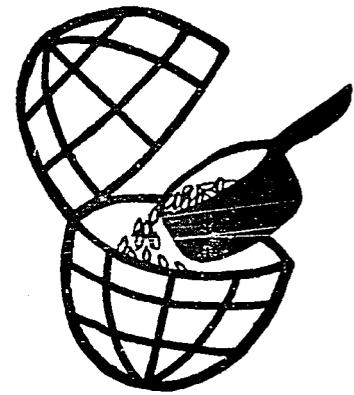
Expenditures by College or other Administrative Unit
ISU/Title XII Strengthening Grant
Period V

| | <u>Total</u> | <u>A I D</u> | <u>I S U</u> |
|---|---------------------|--------------------|---------------------|
| Agriculture | \$33,252.11 | \$15,872.73* | \$17,379.38 |
| Design | 6,585.90 | 1,075.05 | 5,510.85 |
| Education | 6,576.79 | 6,576.79 | 0 |
| Home Economics | 17,343.68 | 6,894.53* | 10,449.15 |
| Sciences & H. | 84,101.34 | 32,052.66 | 52,048.68 |
| World Food Inst. | 34,461.75 | 11,009.74 | 23,452.01 |
| Int'l Ed Services | 4,671.31 | 749.00 | 3,922.31 |
| Student Life | 13,681.35 | 7,083.78 | 6,597.57 |
| Unassigned (SE Asia Sem., S. Asia Sem., DAT) | 7,277.86 | 6,646.97 | 630.89** |
| TOTAL | \$207,952.09 | \$87,961.25 | \$119,990.84 |

*Half of expenses for joint project (Norem-Abbott-IICA) included in total for Agriculture and total for Home Economics.

**Current expense matching funds, paid from WFI account.

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TO EVERYONE CONCERNED
ABOUT WORLD FOOD AND HUNGER ISSUES

YOU ARE INVITED TO

- . A WORLD FOOD DAY TELECONFERENCE
16 October 1984, 10:30 a.m. - 2:00 p.m.
Celebrity Lounge, C. Y. Stephens Auditorium
- . THE NINTH ANNUAL WORLD FOOD INSTITUTE LECTURE
16 October 1984, 8:00 p.m.
Benton Auditorium, Scheman Building
- . THE FOURTH ANNUAL IOWA WORLD FOOD DAY CONFERENCE
1 November 1984, 8:45 a.m. - 3:30 p.m.
Pioneer Room, Memorial Union, ISU

and justice for all
Appointment, promotion, admission, and
programs at Iowa State University are
administered equally to all without regard to
race, color, creed, sex, national origin,
disability, or age.

Call the Affirmative Action Office at
294-7612 to report discrimination.

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A WORLD FOOD DAY
TELECONFERENCE

16 October 1984
10:30 a.m. - 2:00 p.m.
Celebrity Lounge
Stephens Auditorium

PROGRAM

10:30 - 11:00 a.m. TEST PATTERN AND REGISTRATION

11:00 - 12:00 noon PANEL AND FILM CLIPS

- Topics
- . FAO/Role of Women in Agriculture
 - . African Food Crisis
 - . U.S. Role in Food Aid and Food Trade

Moderator Eddie Albert

- Panelists
- . John Block, Secretary of Agriculture
 - . Mickey Leland, Chair, Select House Committee on Hunger
 - . Ruth Finney, Food and Agriculture Organization of the United Nations
 - . Mme. 'M'Alino Tau, Ambassador of Lesotho, Africa
 - . Fred Hutchinson, Executive Director, Board for International Food and Agricultural Development (BIFAD)
 - . Fr. William Byron, President, Catholic University

12:00 - 1:00 p.m. DISCUSSION PERIOD

bring brown bag lunch
beverages will be provided

1:00 - 2:00 p.m. QUESTIONS AND ANSWERS

between
participants at receiving sites
and
panelists in Washington, D.C.

Sponsored by National World Food Day Committee
National University Teleconference Network
World Food Institute of Iowa State University
Coop. Ext. Service & Office of Continuing Ed.

N I N T H A N N U A L
WORLD FOOD INSTITUTE LECTURE

16 October 1984
8:00 p.m.

Benton Auditorium, Scheman Building

SPEAKER: Dr. John F. Timmons, Professor Emeritus

TOPIC: "Reconciling Increasing Demands for Food
with the Deterioration of Natural Resources:
World Prospects"

reception follows in Scheman lobby

Sponsored by . The World Food Institute
of Iowa State University
ISU Committee on Lectures

FOURTH ANNUAL IOWA WORLD FOOD DAY CONFERENCE

1 November 1984
8:45 a.m. - 3:30 p.m.
Pioneer Room, Memorial Union, ISU

TOPIC: IOWA'S ROLE IN MEETING WORLD FOOD NEEDS

Speakers include NEIL HARL, economist, ISU
JOHN CHRYSTAL, banker, Coon Rapids
ROBERT WISNER, economist, ISU
NICHOLAS FREY, research director
Pioneer Hi-Bred International

Four concurrent workshops are scheduled on Plant Production, Animal Production, Land Use and Soils, and Marketing.

For further information contact World Food Institute,
102 E. O. Building, Iowa State University, Ames, IA 50011
Telephone (515) 294-7699

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Iowa's Role in Meeting World Food Needs

ATTACHED

PROSEC

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1



Pioneer Room, Memorial Union

Sponsored by the World Food Institute of I.S.U.

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PROGRAM

Thursday, 1 November 1984

8:45 a.m. Registration

9:15 a.m.

Welcome

-Jan Beran, physical education, ISU
1984 World Food Day Committee chair

Opening Remarks

-Lee Kolmer, dean, College of
Agriculture, ISU

9:30-10:45

"Dealing with the Financial Situation Confronting Iowa Farm Communities"

-Neil Harl, economist, ISU
-John Chrystal, banker, Coon Rapids
and Des Moines

11:00 a.m.

"The Future in Focus—A Realistic Perspective"

-Robert Wisner, economist, ISU

11:45 a.m.

Lunch (use Cardinal Room line, pay
cashier, take your tray to the Oak
Room)

12:45- 2:15

**Iowa Agriculture Today: What We
Are Doing to Ensure an Adequate
Food Supply Today and Tomorrow**
(concurrent discussion groups)

I. Animal Production Room 201

-Lauren Christian, swine production,
ISU
-Bruce Berven, executive vice
president, Iowa Cattlemen's Association

• Wallace Wass, veterinary clinical
sciences, ISU, rapporteur

II. Plant Production Room 205-206

-Dick and Sharon Thompson,
Regenerative Research Farm, Boone,
Iowa
-Sorrel Brown, crop production
specialist, Des Moines Area Extension
Service

• Roland McCubbin, Iowa Department
of Agriculture, rapporteur

III. Land Use and Soils Room 211

-Jim Gulliford, director of Soil
Conservation Department
-Stuart Huntington, community and
regional planning, ISU

• James Meimann, Iowa Department of
Agriculture, rapporteur

IV. Marketing Pioneer Room

-Gary Williams, economist, ISU
-Thomas Dorr, Dorr's Pine Grove Farm,
Marcus, Iowa
-William Lester, Ag Processing Inc
(AGP), Omaha, Nebraska

• Charlotte Roderuck, director, World
Food Institute, ISU, rapporteur

Summaries of Discussion Groups

2:30 p.m.

2:50 p.m.

"Applying Technology to Develop New Seed Varieties"

-Nicholas Frey, director of
biotechnology research, Pioneer Hi-
Bred International, Inc., Johnston

3:30 p.m.

Conference adjourns

Purpose

The purpose of the Iowa State University World Food Day Conference 1984 is to increase knowledge, understanding, and awareness of the factors worldwide that affect the agricultural sector in Iowa. The conference is directed toward the immediate future of the agricultural sector and planned to be of particular relevance to farm men and women.

Objectives

1. To provide farmers and producers an opportunity to learn about recent and forthcoming developments that affect agricultural production and marketing.
2. To bring producers, credit and marketing experts, researchers, and educators together to discuss the realities of Iowa's current agricultural situation.
3. To consider the future role of Iowa's agricultural sector in production and distribution of food products in response to world food needs.

World Food Day Committee

Jan Beran, chair
Rosalie Amos
John Anderson
Don Broshar
Gary Downs
Kathy Eastman
Mary Kihl
John Kluge
Roland McCubbin
James Meimann
Ronald Powers
Charlotte Roderuck
John Schafer
John Tait
Duane Tromsen
Weldon Walsh
Wallace Wass
Don Woolley

Summary of Faculty/Staff Participation in ISU/Title XII MFSG Programs
by College Affiliation
1979-1984

| College | Participation in D A T Training Workshops | Matching Time as Part of Planned and Approved Activities | Participation in Spanish Language Classes as a Planned Strength- ening Activity | Participation in Spanish Language without Reporting Matching Time | Recorded Time in Strengthening Activities | | |
|---------------------------|---|--|---|--|---|------------------|-----------------------|
| | No. People | No. Depts or Units | No. People | No. Depts or Units | No. | No. | p.m. |
| Agriculture | 41 | 14° | 16 | 7° | 10 | 13 | 45.895 |
| Design | 6 | 3* | 10 | 3* | 1 | - | 15.71 |
| Education | 6 | 3 | 2 | 2 | 1 | 1 | 4.15 |
| Engineering | 7 | 3 | 1 | 1 | 1 | 4 | 3.05 |
| Home Ec | 13 | 6 | 11 | 3 | 6 | 3 | 62.795 |
| S & H | 38 | 14° | 14 | 5° | 3 | 6 | 58.975 |
| Vet Med | 3 | 2 | - | - | - | 2 | - |
| Univ. Ext. | 5 | - | - | - | - | - | - |
| | <u>119</u> | 45 minus 2 duplicates = 43 | <u>54</u> | 21 minus 2 duplicates = 19 | <u>22</u> | <u>29</u> | <u>190.575</u> |
| Adm., P&S, Other Staff | <u>21</u> | <u>8</u> | <u>6</u> | <u>4</u> | <u>1</u> | <u>5</u> | <u>50.358</u> |
| TOTAL | <u><u>140</u></u> | <u><u>51</u></u> | <u><u>60</u></u> | <u><u>23</u></u> | <u><u>23</u></u> | <u><u>34</u></u> | <u><u>240.933</u></u> |

°Sociology and Economics departments are administered through both College of Agriculture and College of Sciences and Humanities.

*Two of these departments were moved administratively from the College of Agriculture to the College of Design when it was established in July 1978.

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USAID/ISU and Closely-Related Contracts
During Period when ISU/Title XII MFSG in Effect
1979-1984

| <u>Contractor</u> | <u>Overseas Country</u> | <u>Subject</u> | <u>Status</u> | <u>Principal Department(s)</u> |
|--|--|--|------------------|--|
| USAID | Guatemala | Integrated Area Development | 1979-1983 | CRP, Econ, Soc, F E |
| USAID | Zambia | Agricultural Training, Plan- ning and Institutional Dev. | ongoing | CRP, Econ, Soc/ Anthro, Comp Sci |
| USAID | Indonesia | Agricultural Development Planning & Administration | ended in 1984 | Econ, Stat |
| USAID | Thailand | Technical Assistance in Agricultural Planning | ongoing | Econ, Stat |
| USAID/MIAC (2 contracts) | Peru | Agricultural Planning and Institutional Development | began 1984 | Econ |
| USAID | ST/Nutrition (Zambia and Indonesia) | Consumption Effects of Agricultural Policy | ongoing | Econ, Nutr |
| USAID | Costa Rica | Economic Analysis for Agri- culture and Rural Sector Planning | ended in 1982 | Econ |
| USAID | Indonesia | Protein Calorie Malnutrition and Body Stores of Vitamin A | ended in 1984 | Biochem/Biophys |
| USAID/MIAC | REDSO/EA | Technical Services to the Mission | ongoing | (various) |
| USAID/MIAC (Nebraska, lead insti- tution) | Morocco | Dryland Agriculture | ongoing | 2 long-term faculty from ISU (soils & seed tech- nology) |
| USIA | Sudan | linkage project, Women as Agents of Change | began 1984 | H Ec Educ, FN, Soc, Child Dev |
| IDB | Latin America & Caribbean (22 coun- tries) | Analysis of Cooperation and Coordination between Inter- national Research Centers (CIMMYT, CIAT, CIP) and the National Centers of Latin America | 1981-82 | Econ, Soc, J1/Mass Comm |
| IDB | Costa Rica | Technical Assistance in Voca- tional Education (Agriculture and Home Economics) | 1981-1985 | Ag Educ, Home Ec Ed |
| OICD/USDA | short course at ISU | Application and Diffusion of Agricultural Research to the Community (to be offered for the fourth time in 1985) | 1982- | Ext Soc in charge (various staff) |
| OICD/USDA | short course at ISU | Communications and Media Strategies for Agriculture and Rural Development (offered 3 times; to be offered next in 1986) | 1982- | J1/Mass Comm in charge |

7/8/85

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CHRONOLOGICAL
SUMMARY

Actions Taken by Policy and Planning Committee
and
Selected Events Related to the Strengthening Program

| | <u>Date(s)</u> |
|---|--|
| 1. Prepared Strengthening Grant proposal (plus its revision and condensed version) | Fall 1978 to March 1979 |
| 2. Described skills desired for participants in Strengthening Grant | April 1979 |
| 3. Developed guidelines for minimum participation | 30 July 1979 |
| 4. Approved forms to document monthly rates of effort reports. Recommended that attendance records of Strengthening Grant seminars, language classes, etc., be kept so that true participation available in files. | 20 September 1979 |
| 5. Established policy re: language classes; they should be available to potential as well as committed team members insofar as possible (and to their spouses). | 8 October 1979 |
| 6. Prepared guidelines for submission of proposals for activities overseas by participants in Strengthening Grant | 31 October 1979 |
| 7. Approved concept of field coordinator for ISU's Strengthening Grant | 20 November 1979 |
| 8. Approved memorandum of intent for use by participating faculty | 18 February 1980 |
| 9. Approved extension of initial grant period to 31 December 1980. (Later information from DSB/XII indicated that ISU should retain its initial period ending on 30 September 1980; see memorandum to PPC dated 26 March 1980.) | 7 March 1980 |
| 10. Provided constructive suggestions for First Annual Progress Report, including projections for the sixth year | 4 April 1980 |
| 11. Reviewed and approved proposals submitted by faculty members for Period I activities | 4 April 1980 21 April 1980 20 May 1980 |
| 12. Approved guidelines and categories for domestic travel on Strengthening Grant funds | 31 October 1980 |
| 13. Approved objectives, schedule, and criteria for membership on committee to evaluate ISU's Strengthening Grant after first grant period | 31 October 1980 |
| 14. Approved Development Advisory Team (DAT) training program as a Strengthening Grant activity | 21 November 1980 |
| 15. Appointed evaluation committee (ISU faculty) in November 1980 and received its report 1 March 1981 (as requested). Because funds were viewed as inadequate for mandated objectives, evaluation committee recommended concentration on Latin America, that Spanish language training be continued, and establishment of subject matter advisory committees to assist in program development. | |
| 16. Approved guidelines for on-campus summer projects | 17 February 1981 |

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| <u>Actions Taken by PPC and Events Related to MFSG</u> | <u>Date(s)</u> |
|---|--|
| 17. Reviewed and approved faculty proposals for Period II activities; submitted Second Annual Progress Report; recommended that international activities be included in guidelines for promotion and tenure. | 1980-1981 |
| 18. Reviewed organizational structure at ISU; a LAC-advisory committee was appointed to assist manager and PPC | 5 & 27 October 1981 |
| 19. Met with Lane Holdcroft, RDO, Africa Bureau, to discuss AID's priorities and strategies in Sub-Saharan Africa; appointed an advisory committee to recommend Strengthening Grant programs related to AID's interests in Africa | 23 November 1981 |
| 20. International travel under Strengthening Grant suspended for six months or so | letter from E. Long rec'd 21 Dec. 1981 |
| 21. Third Annual Progress Report reviewed and submitted | 31 March 1982 |
| 22. Africa advisory committee recommended seminar series on eastern, central, and southern Africa be planned for fall 1982. PPC approved recommendation and reviewed and approved several proposals from faculty members. | 23 April 1982 |
| 23. Africa seminar series held (see Fourth Annual Progress Report) | fall 1982 |
| 24. Faculty retrieval system for international interest, experience, and language capability added to PREPS office (under ISU's contracts and grants officer) | summer & fall 1982 |
| 25. PPC encouraged identification of specific faculty members to attend Farming Systems Symposium at Kansas State University | 8 September 1982 |
| 26. PPC discussed new guidelines for travel and the written evaluation of Strengthening Grants distributed at the meeting of Strengthening Grant managers in September 1982 | 20 October 1982 |
| 27. PPC met with C. Jean Weidemann, BIFAD office | 12 November 1982 |
| 28. Received recommendation of guidelines for "Africa Development Advisory Personnel Training (ADAPT)" from Africa program advisory committee; discussed and suggested changes in guidelines. Appointed Asia program advisory committee. | 2 December 1982 |
| 29. Received and approved revised guidelines and criteria for "interns" from Africa advisory committee; in addition, PPC recommended that guidelines be broadened to apply to any region where ISU had an AID contract, not just to Africa. Approved funds for Farming Systems Seminar at ISU during spring break (24-25 March 1983). | 21 January 1983 |
| 30. Fourth Annual Progress Report reviewed and submitted | 21 March 1983 |
| 31. Subcommittee of PPC reported the identification of seven areas of expertise at ISU for transmittal to BIFAD as a basis for negotiating an MOU (J. T. Scott chaired the subcommittee and submitted list to BIFAD and AID). | 26 April 1983 |
| 32. Reviewed and approved faculty requests for support under Strengthening Grant; discussed ISU's draft MOA with FSSP at University of Florida; discussed possible faculty for JCC posts. | 18 May 1983 |

Actions Taken by PPC and Events Related to MFSG

Date(s)

- 33. Approved use of Strengthening Grant funds for travel to the Philippines (JCC post) and an "intern" to Thailand in conjunction with ISU's AID contract there. 5 July 1983
- 34. Received written reports from travel authorized and approved request for "internship" in Indonesia in conjunction with University of Wisconsin-AID project there and with ISU-AID project 24 August 1983
- 35. Southeast Asia orientation seminars held (focus on Burma, Thailand, Indonesia, Philippines) fall 1983
- 36. PPC continued to meet about once a month to evaluate proposals for Strengthening Grant support, to discuss reports received from on-campus participants and materials distributed by AID, e.g., at regional seminars. 1983-1984
- 37. Letter received from Larry Witt and C. Jean Weidemann with comments based on reviews of written materials in BIFAD files of ISU Title XII MFSG February 1984
- 38. Response prepared, reviewed by PPC, and submitted March 1984
- 39. Fifth Annual Progress Report reviewed and submitted March/April 1984
- 40. Letter received that ISU rated "marginally not actionable"; PPC recommended that an external review team be invited to conduct a site visit June 1984
- 41. Telephone call from contracts & grants officer, USAID, to ask if we had been informed that MFSG would be terminated on 30 Sept. 1984 (no direct written communication ever received) mid-June 1984
- 42. External Review Team - Site Visit - conferences with PPC and others scheduled late August 1984
- 43. South Asia orientation seminars held Fall 1984
- 44. Telephone call from C. Jean Weidemann just before Christmas 1984; ISU "not actionable" for MOU 21 December 1984
- 45. Letter confirming telephone call received mid-January 1985
- 46. Response from President Parks sent to BIFAD office late Jan. or early Feb. 1985
- 47. Fiscal summary for Period V and for MFSG period July 1979 to 30 Sept. 1984 prepared and circulated to the PPC Jan.-Feb. 1985
- 48. Final report submitted June-July 1985

Initial PPC Membership

- 1. J. T. Scott Agriculture
- 2. Julia Anderson Home Economics
- 3. Tom Turnage S & H
- 4. Harold Dilts Education
- 5. William Oschwaid Extension
- 6. Paul Morgan Engineering
- 7. William Switzer Vet Med
- 8. Mary Kihl Design
- 9. Charlotte Roderuck WFI, Chair

PPC Membership when MFSG Terminated

- J. T. Scott Agriculture
- Elizabeth Elliott Home Economics
- Tom Turnage S & H
- Harold Dilts Education
- Vivan Jennings Extension
- Paul Morgan Engineering
- Wallace Wass Vet Med
- Mary Kihl Design
- Charlotte Roderuck WFI, Chair

6/21/85

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"Hands On" Experience in LDCs through the ISU/Title XII MFSG
and Related Programs by Region and Country, 1979-1984

| Area/ Country | Faculty/Staff MFSG Participants Overseas | | | Add'l Faculty/Staff Overseas in Same Coun- tries and in Related or USAID Projects | | Total* No. |
|------------------|---|--|---|--|-----------------------------|--|
| | with Strength- ening Grant program support No. | without Strength- ening Grant program support No. | Source | No. | Source of Support | |
| <u>LAC</u> | | | | | | |
| Costa Rica | 15 | 4 | Rockefeller Fd., anony- mous donor; WFI/ISU | ca. 27** | anonymous donor, IDB | 46 |
| Honduras | 7*** | 2 | IDB | - | | 9 |
| Guatemala | - | 9 | AID/ISU, IDB | 3 | AID/ISU | 12 |
| Peru | - | 3 | AID/MIAC, IDB | - | | 3 |
| Other LACs (19) | - | 3 | IDB Project, cooperation & coordina- tion between IARCs & Na- tional Centers | ca. 5 | OAS, WHO, WFI/ISU, other | 8 |
| <u>Africa</u> | | | | | | |
| Zambia | 5 | 4 | AID/ISU | 7 | AID/ISU, WFI/ISU | 16 |
| Malawi | - | 1 | UNDP | - | | 1 |
| Sierra Leone | 1 | - | | - | | 1 |
| Sudan | - | 1 | USIA/ISU | 1 | WFI/ISU | 2 |
| REDSO/EA | - | - | | 1 | AID/MIAC | 1 |
| <u>Asia</u> | | | | | | |
| Indonesia | 1 | 5 | AID/ISU, World Bank | 6 | AID/ISU | 12 |
| Thailand | 1 | 2 | World Bank, FIL/ISU | 3 | AID/ISU | 6 |
| Philippines | 1 | - | | 2 | FIL/WFI/ISU | 3 |
| India | - | 1 | UNDP | 1 | ICRISAT | 2 |
| <u>Near East</u> | | | | | | |
| Morocco | - | - | | 4 | AID/MIAC | 4 |
| | 31 minus 3 dup- licates = 28 differ- ent indi- viduals | 35 minus 19 names duplicated in this column or in Column I in a different country = 16 different individuals | | 60 minus 3 duplicates = 57 different indi- viduals**** | | 126 in each country one or more times minus 25 names duplicated in more than one country = 101 individuals |

*No duplication of names for more than 1 tour of duty in a country.

**From 10 programs or departments, College of Ag, and 2 depts in Home Ec (faculty from 8 of these depts, Econ, Agron, Ag Engr, J1/Mass Comm, Soc, Ag Ed, Int'l Ag, and F&N also participated in MFSG)

***Three of these faculty also participated in MFSG activities in Costa Rica.

****This estimation of faculty members overseas in Title XII or Title XII-related projects includes only those countries where MFSG participants have gained overseas experiences and/or where ISU has an AID contract or is cooperating with one through MIAC.

7/02/85

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"Hands On" Experience in LDCs through the ISU/Title XII MFSG
and Related Programs by College, 1979-1984

| <u>Administrative Unit</u> | <u>Faculty/Staff MFSG Participants Overseas</u> | | <u>Add'l Faculty/Staff Overseas in Same Coun- tries and in Related or USAID Projects</u> | <u>Total No.</u> |
|--------------------------------|---|--|--|----------------------|
| | <u>with Strength- ening Grant program support No.</u> | <u>without Strength- ening Grant program support No.</u> | | |
| Agriculture | 11 | 3 | 47 | 61 |
| Home Economics | 8 | 1 | 3 | 12 |
| Sciences & Humanities | 7 | 5 | 2 | 14 |
| Engineering | 1 | - | - | 1 |
| Student Life | 1 | - | - | 1 |
| Design | - | 6 | 3 | 9 |
| World Food Institute | - | 1 | - | 1 |
| Veterinary Medicine | - | - | 2 | 2 |
| Total | 28 | 16 | 57 | 101 |

6/14/85

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Summary of WFI Grants by Departments and by Grant Categories

| <u>Department</u> | <u>Grant Categories</u> | | | <u>Total Grants No.</u> | <u>Grants with Overseas Components*</u> No. |
|-------------------|------------------------------------|-------------------------------------|-------------------------------------|---------------------------------|--|
| | <u>Scholar/ Fellow No.</u> | <u>Faculty Projects No.</u> | <u>Faculty/ Student No.</u> | | |
| Economics | - | 1 | 17 | 18 | 6 |
| Agronomy | 5 | 1 | 10 | 16 | 4 |
| F & N | 2 | 3 | 8 | 13 | 6 |
| Anthropology | - | 3 | 3 | 6 | 5 |
| Biochemistry | 2 | 4 | - | 6 | 2 |
| PPSWS | 2 | 2 | 1 | 5 | 3 |
| Sociology | - | - | 5 | 5 | 5 |
| An Sci | 2 | - | 2 | 4 | - |
| Food Tech | 1 | 1 | 2 | 4 | - |
| Poli Sci | - | 2 | 2 | 4 | 3 |
| Ag Educ | - | - | 3 | 3 | 3 |
| Ag Engr | - | 1 | 2 | 3 | 1 |
| Botany | 1 | 1 | 1 | 3 | 1 |
| C R P | 1 | 1 | - | 2 | - |
| J1/Mass Comm | - | - | 2 | 2 | 2 |
| Home Ec Ed | 1 | 1 | - | 2 | - |
| Coop Ext Service | - | 2 | - | 2 | - |
| Genetics | - | 1 | - | 1 | - |
| Chem Engr | - | 1 | - | 1 | - |
| Animal Ecology | - | - | 1 | 1 | 1 |
| Earth Science | - | 1 | - | 1 | 1 |
| Family Env | 1 | - | - | 1 | - |
| Child Dev | - | - | 1 | 1 | 1 |
| | <u>18</u> | <u>26</u> | <u>60</u> | <u>104 (86)*</u> | <u>44**</u> |

*excludes the Scholar/Fellow category

**19 additional grants were oriented clearly to third world food, nutritional, agricultural or rural development issues; 16 to both USA and overseas; and 5 primarily to USA (in addition, 2 projects were terminated and are incomplete)

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World Food Institute Scholars/Fellows at ISU from 1979 to Present

| <u>Host Dep't</u> | <u>Fiscal Year</u> | <u>Host Faculty</u> | <u>Recipient/Home Base/Activity</u> |
|-----------------------|------------------------|-------------------------|---|
| Agronomy | '79,'80 | K. Frey | Kazuyoshi Takeda, Hirosaka University, <u>Japan</u> ; use of genes from wild species to increase grain production |
| " | '83,'84 | T. Fenton | Henry Obeng, Soil Research Institute, <u>Ghana</u> ; develop and teach a course on tropical soils |
| " | '84,'85 | J. Schafer | Boyanapalle Diwakar, ICRISAT, Andhra Pradesh, <u>India</u> ; use of audio tutorial methods in courses on crops and soils |
| " | '85 | K. Frey | Tunde Fatunla, University of Ife, <u>Nigeria</u> ; analyze data on current field plot practices in Nigeria |
| " | ('86 | D. Green | S. Shanmugasundaram, AVRDC, Taiwan; soybean physiology)* |
| An Sci | '81,'82 | D. Beitz | Ross Hood, CSIRO, North Ryde, <u>Australia</u> ; fat metabolism |
| | '83,'85 | D. Beitz | Simon Aprahamian, Yarmouk University, <u>Jordan</u> ; mobilization of fat by cattle during growth |
| Food Tech | '79 | H. Snyder | Marcello Duranti, University of Milan, Milan, <u>Italy</u> ; processing soybeans into palatable foods |
| PPSWs | '80 | C. Martinson | Ram Gopal Kapooria, University of Zambia, Lusaka, <u>Zambia</u> ; pathogenesis of ear rot in maize |
| " | '82 | J. Hill | Ming Tien Lin, Universidad de Brasilia, <u>Brazil</u> ; mosaic viruses of soybean, cowpea, and cassia |
| Biochem | '81 | J. Olson | Gianni Tomassi, National Institute of Nutrition, Rome, <u>Italy</u> ; effects of fatty acids on vitamin A metabolism |
| " | '83,'84 | J. Olson | Jose Dorea, Universidad de Brasilia; <u>Brazil</u> ; nutritional interaction of zinc and vitamin A |
| F&N | '83,'84 | M. Love | Isaac Akinyele, University of Ibadan, <u>Nigeria</u> ; low-cost Nigerian weaning foods based on extrusion technology |
| | ('86 | D. Cowan | Magda Awad, Ahfad University College for Women, Omdurman, <u>Sudan</u> ; development of a community nutrition program)* |
| C R P | '82 | R. Mahayni | Roberto Morales, University of San Carlos, <u>Guatemala</u> ; interrelationships between dietary preferences and land use |
| Botany | '82,'83 | H. Horner | Hiroshi Nakashima, Hokkaido University, Sapporo, <u>Japan</u> ; cytogenetics of male sterile soybeans |
| F E | '83 | E. Powers | Elham Abd-El-Gawad, Montazah Poultry Research Station, Alexandria, <u>Egypt</u> ; socio-economic and cultural factors associated with agricultural development in Egypt |
| H Ec Ed | '85 | D. Cowan | Amna Badri, Ahfad University College for Women, Omdurman, <u>Sudan</u> ; women as agents of change |

*Award announced for 1985-86 fiscal year.

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Participants During 3 or More Years of Strengthening Grant and/or
3 Months of Total Time Recorded in Strengthening Grant Activities

A. Faculty and Staff for Management and for Development and Supervision
or Implementation of Group Programs to Strengthen Faculty (11)

| <u>College or Unit Affiliation</u> | <u>Name</u> | <u>Person Months^a</u> | <u>Previous Experience in LDC</u> |
|---|---|--------------------------------------|---|
| W F I | C. Roderuck, Director, WFI - management | 20.68 | x |
| S & H | C. Mulleady, Spanish instructor | 18.89 | x |
| S & H | M. Whiteford, Anthropology - orientation to L.A. and field supervisor, Honduras | 12.66 | x |
| S & H | W. Chatfield, FLL department; in charge of Spanish language instruction | 4.60 | |
| Design | R. Morales, CRP - organized and coordinated DAT, Cycle 2; par- ticipated in land use mapping project | 4.40 | x |
| Ag | T. Mulleady, Int'l Ag Programs - field supervisor, Costa Rica | 4.15 | x |
| S & H | A. Jiron, Spanish instructor | 4.00 | x |
| Educ | J. Beran, Education - orientation seminars for East & Central Africa, Southeast Asia, and South Asia | 3.75 | x |
| S & H | M. Warren, Anthropology - organized and coordinated DAT I, II, III, IV | 3.02 | x |
| <u>less than 3 months, but involved for 3 or more years</u> | | | |
| OIES | M. Limbird, Director, OIES - revised and coordinated DAT V and VI | 1.35 | x |
| OIES | J. Greisberger, cultural orientation programs and French language camp | 1.16 | x |

Summary by Affiliation

1 Ag, 1 Design, 1 Educ, 2 OIES, 5 S&H, 1 WFI

^aTime not reported by most of the faculty/staff attending (a) DAT workshops, (b) orientation seminars, (c) language classes, or (d) farming systems seminar at ISU or for serving on ad hoc committees or on the Policy and Planning Committee. Four additional faculty also provided services (2 Ag, 1 Design, 1 Educ) in one or two periods. Total time = 4.085 p.m.

8/4

Attachment L (continued)

B. Faculty and Staff Participants in Strengthening Activities (21)

| <u>College or Unit Affiliation</u> | <u>Name</u> | <u>Department</u> | <u>Person Months^a</u> | <u>Experience in LDC as Part of the Program^b</u> |
|---|--------------|------------------------|--------------------------------------|---|
| H Ec | R. Norem | Family Environment | 15.53 | x |
| H Ec | S. Williams | Home Ec Education | 13.87 | x |
| Ag | E. Abbott | J1/Mass Communication | 12.50 | x |
| H Ec | M. Winter | Family Environment | 11.23 | x |
| S & H | L. Wilcox | Sociology | 10.26 | x |
| Ag | J. Tait | Extension Sociology | 8.55 | x |
| S & H | J. Hraba | Sociology | 8.24 | x |
| Ag | S. Marley | Ag Mechanization | 8.00 | x |
| S & H | D. Grosvenor | Computer Science | 5.50 | x |
| H Ec | S. Chen | Nutrition | 5.31 | x |
| S & H | M. Lee | Sociology | 4.37 | x |
| O S L | A. Pounds | Office of Student Life | 4.27 | x |
| H Ec | J. Hathcock | Nutrition | 4.24 | x |
| H Ec | M. Love | Food Science | 4.00 | no |
| Design | P. Anderson | Landscape Architecture | 3.51 | no ^c |
| H Ec | E. Morris | Family Environment | 3.08 | x |
| S & H | C. Mulford | Sociology | 3.05 | no |
| Engr | P. Reilly | Chemical Engineering | 3.05 | x |
| <u>less than 3 months, but involved for 3 or more years</u> | | | | |
| H Ec | R. Hughes | Home Ec Education | 2.87 | x |
| Ag | T. Fenton | Agronomy | 1.98 | no ^d |
| Ag | H. Crawford | Agricultural Education | 1.66 | x |

Summary by Affiliation

5 Ag, 1 Design, 1 Engr, 8 H Ec, 1 OSL, 5 S&H

^aTime not reported by most of the faculty/staff attending (a) DAT workshops, (b) orientation seminars, (c) language classes, or (d) farming systems seminar at ISU or for serving on ad hoc committees.

^bIn addition, 9 faculty members who participated officially in strengthening activities during only 1 year also gained experience in an LDC as part of their strengthening programs. Their affiliations were: 6 Ag, 1 H Ec, 2 S&H (total time = 9.125 p.m.) and their departments were Soc, Econ, H Ec Ed, Pol Sci, Ag Ed, and Agron.

^cExperience obtained through USAID project.

^dExperience obtained as part of College of Agriculture program that began several years before the Strengthening Grant was initiated.

7/10/85

Attachment M

Reported Participation by Departments or Units
in the ISU/Title XII Matching Formula Strengthening Grant
1979-1984

| <u>Department/Unit</u> | <u>Faculty/ Staff No.</u> | <u>Person Months</u> |
|----------------------------|-----------------------------------|--|
| Sociology/Anthropology | 9 | 53.145 (9.02 in services, 44.125 in MFSG activities) |
| Family Environment | 3 | 29.835 |
| Spanish Language | 3 | 27.49 (services) |
| World Food Inst. (mgmt.) | 1 | 20.68 (services) |
| Home Ec Education | 4 | 18.29 |
| Food & Nutrition | 4 | 14.67 |
| Jl/Mass Communication | 1 | 12.495 |
| Community & Regional Plan. | 8 | 11.30 (of which only 10.80 reported in annual progress reports; ca. 4.0 in services, 6.8 in strengthening activities) |
| Agricultural Engineering | 1 | 8.00 |
| Int'l Agricultural Prog. | 3 | 6.835 (services) |
| Computer Science | 2 | 6.20 |
| Economics | 5 | 4.785 |
| Agricultural Education | 3 | 4.705 |
| Student Life | 1 | 4.273 |
| Education | 2 | 4.15 (services) |
| Agronomy | 4 | 3.83 (+ visiting scientist in tropical soils for ca. 8 person months) |
| Landscape Architecture | 1 | 3.51 |
| Chemical Engineering | 1 | 3.05 |
| Int'l Educational Services | 2 | 2.515 (services) |
| Architecture | 1 | 1.40 |
| Political Science | 1 | 0.275 |
| TOTAL | <u>60</u> | <u>240.933</u> |

N.B. 15 faculty/staff provided support and services to strengthening program equivalent to 74.690 p.m.
45 faculty/staff participated to be strengthened. Their reported time was 166.243 p.m.
(of 8 faculty/staff no longer at ISU in 1985, 4 were providers of services and 4 were being strengthened)

6/13/85

83

Expenditures and Participation by Administrative Units
from July 1979 through September 1984

| Unit/ College | Faculty/ Staff No. | A- and B-base | | I S U Contribution | | A I D Contribution | | Total Expenditures |
|------------------|--------------------------|------------------|-------|-----------------------|------|-----------------------|-------|-----------------------|
| | | p.m. | % | \$ | % | \$ | % | \$ |
| Ag | 16 | 45.895 | 19.6 | 106,380.77 | 16.6 | 100,640.75 | 19.0 | 207,021.52 |
| Design | 10 | 15.715 | 6.7 | 40,313.90 | 6.3 | 35,598.74 | 7.0 | 75,912.64 |
| Educ | 2 | 4.15 | 1.8 | 1,590.22 | 0.2 | 14,260.67 | 1.5 | 15,850.89 |
| Engr | 1 | 3.05 | 1.3 | 9,393.50 | 1.5 | 4,504.57 | 1.3 | 13,898.07 |
| Home Ec | 11 | 62.793 | 26.8 | 123,802.74 | 19.3 | 124,012.56 | 22.8 | 247,815.30 |
| S & H | 14 | 58.975 | 25.2 | 156,858.93 | 24.5 | 103,673.46 | 23.9 | 260,532.39 |
| W F I | 3 | 43.57 | 18.6 | 187,561.03 | 29.2 | 37,983.10 | 20.7 | 225,544.13 |
| OIES | 2* | 2.515 | - | 7,517.39 | 1.2 | 1,579.03 | 0.9 | 9,096.42 |
| O S L | 1* | 4.273 | - | 6,597.57 | 1.0 | 7,083.78 | 1.2 | 13,681.35 |
| Unassigned** | | - | - | 630.89 | 0.1 | 19,080.21 | 1.8 | 19,711.10 |
| Total | 60 | 240.936 | 100.0 | 640,646.94 | 99.9 | 448,416.87 | 100.1 | 1,089,063.81 |
| | | | | | | 6.66-*** | | 6.66-*** |
| | | | | | | 448,410.21 | | 1,089,057.15 |

A- and B-base = 234.14 p.m.

overseas 45.26 p.m. (19.3%)

USA + on campus 188.88 p.m. (80.7%)

P&S-base 6.79 p.m. (of which 4.27 was overseas)

E-base 25.40 p.m.

C-base 60.91 p.m.

*P&S-base staff (professional and scientific)

**multiple units involved

***\$0.01 in FB overcharged in Period I; \$6.65 returned in Period III for hourly FB overcharged in Period II.

7/02/85

84

Fiscal Strengthening Grant Summary
by
Activities and Periods
July 1979 - 30 September 1984.

| <u>Period</u> | <u>Spanish Language and Orientation</u> | <u>Latin American- related Activities</u> |
|---------------|---|---|
| I | \$13,397.09 (+1,697.11 in Costa Rica) | \$178,233.97 (includes \$1,697.11 for language in Costa Rica) |
| II | 14,240.96 | 175,942.76 |
| III | 19,176.12 | 102,273.49 |
| IV | 13,335.10 | 56,430.55 |
| V | - | 24,547.05 |
| | \$60,149.27 | \$537,427.82 |
| | + 1,697.11 | - 1,697.11 |
| | \$61,846.38 | \$535,730.71 |

| <u>Period</u> | <u>Support/Management</u> | <u>Miscellaneous Faculty Development Activities</u> | <u>DAT Training Workshops (No.)</u> |
|---------------|---|--|---|
| I | \$ 32,234.95 | - | - |
| II | 36,712.54 | \$15,445.49 | \$ 9,886.26 (1) |
| III | 30,335.08 | 13,122.50 | 19,700.44 (2) |
| IV | 39,767.35 | 7,889.19 | 8,832.14 (1) |
| V | 33,917.51 | 19,683.18 | 19,211.34 (2) |
| | \$172,967.43 | \$56,140.36 | \$57,630.18 (6) |
| | (+ 85.58 in curr. exp., post MFSG to 31 March 1985) | (+ 782.01 in curr. exp., post MFSG to 31 March 1985) | |

| <u>Period</u> | <u>Africa-related Activities</u> | <u>Asia-related Activities</u> |
|---------------|---|--|
| III | \$ 12,548.77 | - |
| IV | 61,749.01 | \$19,857.96 |
| V | 91,639.56 | 18,953.45 |
| | \$165,937.34 | \$38,811.41 |
| | (+ 50.00 in curr. exp., post MFSG to 31 March 1985) | (+ 919.39 in curr. exp., post MFSG to 31 March 1985) |

| <u>TOTALS</u> | | <u>A I D</u> | <u>I S U</u> |
|------------------------|---|--------------|--------------|
| Period I | \$ 223,866.01 | 99,999.97 | 123,866.04 |
| Period II | 252,228.01 | 99,540.82 | 152,687.19 |
| Period III | 197,156.40 | 76,067.04 | 121,089.36 |
| Period IV | 207,861.30 | 84,847.79 | 123,013.51 |
| Period V | 207,952.09 | 87,961.25 | 119,990.84 |
| | \$1,089,063.81 | 448,416.57 | 640,646.94 |
| | - 6.66 | - 6.66 | |
| <u>Corrected Total</u> | \$1,089,057.15 | 448,410.21 | |
| | (+ 1,836.98 in current expenses spent by World Food Institute to complete programs underway before 30 Sept. 1984 on which date the USAID MFSG was terminated) | | |

5/28/85