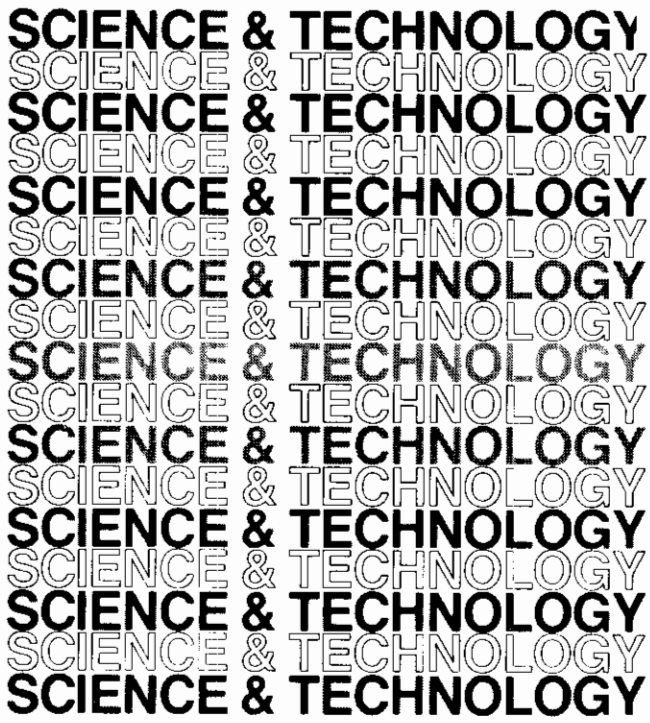
PN-AAU-624



Science & Technology Resources Directory

Bureau for Science and Technology
U.S. Agency for International Development
Washington, D.C. 20523
January 1985

S & T RESOURCES DIRECTORY

U.S. Agency for International Development

Bureau for Science and Technology

JANUARY 1985

FOREWORD

This directory lists all projects funded for Fiscal 1985 through nine offices of the Bureau for Science and Technology, U.S. Agency for International Development. Its primary purpose is to provide information for AID's missions abroad so they can obtain the products and services offered in these projects. Others, however--such as those in the various AID Bureaus in Washington--may also need to know who is doing what in the S&T Bureau.

The information on these pages came from the individual offices, so if you have a question or need more information, contact the project officer.

We hope to revise this directory at least every two years. We also hope that you find it useful and that if you have any comments or suggestions, complimentary or otherwise, you'll send them to us.

Publications and Information Division
Bureau for Science and Technology (S&T/PI)
Room 209, SA-18
Agency for International Development
Washington, D.C. 20523

C O N T E N T S

DIRECTORATE FOR FOOD AND AGRICULTURE

Office of Agriculture

Seed Program and Industry Development 5
Weed Control Utilization 6
Spring X Winter Wheat 7
Sorghum/Millet Collaborative Research Support Program 8
Improvement of Postharvest Grain Systems 9
Bean/Cowpea Collaborative Research Support Program 11
Control of Barley Diseases 12
Small Ruminant Collaborative Research Support Program 13
Crop Nematode Research and Control 14
Peanut Collaborative Research Support Program 15
Host Resistance - Integrated Tick Control 16
Pre/Postharvest Rodent/Bird Control R&D 17
International Soybean Research Network 18
Pest Management and Related Environmental Protection 19
Technology of Soil Moisture Management 21
Aquaculture Technology Development 22
Biotechnology and Nitrogen Fixation - Limiting Factors 23
Soil Management Support Services 25
Nitrogen Fixation, Symbiotic (NifTAL) 27
International Fertilizer Development Center 29
Fisheries and Aquaculture Technical Assistance 31
CRSP - Soil Management 32
Water Management Synthesis II 33
Agricultural Biotechnology--Plant Tissue Culture 35
International Benchmark Sites Network 37
Fisheries Development Support Service 38
Aquaculture Pond Dynamics CRSP 39
Reproductive Studies on Milkfish 40
Agriculture Sector Services 41
Agricultural Policy Analysis Project 43
Farming Systems Support 44
Technology Development, Transfer and Feedback Systems in Agriculture 45
International Agricultural Research Centers 47

Office of Nutrition

Nutrition: Iron Deficiency Program Support 53
Nutrition: Scientific, Technical and Planning Support 55
Nutrition and Food Technical Services 57

Nutrition: Improvement of Maternal and Infant Diet 59
Nutrition: Vitamin A Program Support 61
Nutrition: Surveys and Surveillance 62
Nutrition: Education Field Support 63
Nutrition: Economic Analysis of Agriculture Policies 65
Nutrition: Health Systems RSSA 67
Functional Implications of Malnutrition 68

DIRECTORATE FOR ENERGY AND NATURAL RESOURCES

Office of Energy

Energy Technical Service Support 73
Low Cost Technology for Rural Poor 75
Bioenergy Systems and Technology 76
Conventional Energy Technical Assistance 77
Energy Policy Development and Conservation 79
Conventional Energy Training 81
Small Decentralized Hydropower 83

Office of Forestry, Environment and Natural Resources

Environment and Natural Resources Expanded Information Base 87
Environmental Planning and Management 89
Coastal Resources Management 91
Forest Resources Management 93
Agroforestry Research & Training 96
Forestry/Fuelwood Research and Development 97

DIRECTORATE FOR HUMAN RESOURCES

Office of Rural and Institutional Development

Small Enterprise Approaches to Employment 103
Performance Management--Small Business Capacity Development 105
Employment and Enterprise Policy Analysis 107
Entrepreneur and Small Enterprise Development 108
Employment Research Project 109
Small Enterprise Approaches to Employment-- Evaluation Sub-Project 111
Small Enterprise Approaches to Employment-- Industry/Sector Studies Sub-Project 113
Market and Technology Access 115
AID/Peace Corps PASA 116
AT International II 117
Agro-Industrial Development Project 119
Local Revenue Administration 121
Performance Management 123

Institutional Development Program 125
Administration and Organization of Integrated Rural Development 127
Local Revenue Administration 129
Managing Energy and Resource Efficient Cities 131
Human Settlements and Natural Resource Systems Analysis 133
Access to Land, Water, and Natural Resources 135
Water Management Synthesis II 137
Rural Savings for Capital Mobilization 139
Small Farmer Marketing Access 141
Farming Systems Support 143
Alternative Rural Development Strategies: Food Security in Africa 145

Office of International Training

Partners for International Education and Training 149
Participant Training: Department of Agriculture, Office of International Cooperation and Development, International Training Division 150
Participant Training: Department of Commerce, Bureau of the Census 151
Participant Training: Department of Transportation, Federal Aviation Administration 153
Participant Training: International Council on Education for Teaching (ICET) 154
Participant Training: Department of Labor, Bureau of Labor Statistics 155
Participant Training: Department of Labor, Office of International Visitors Program Group 156
Labor Organizations Development Project 157
Reimbursable Training Programs 158
Training Evaluation and Support Services 159
WIC Reception/Orientation 161
Mid-Winter Community Seminars 162
Participant Training Information System 163
Health and Accident Coverage Program 164
English Language Training and Materials Development 165
Guidance on Admissions Requirements for Foreign Students to U.S. Colleges and Universities 166

Office of Education

Radio Language Arts 169
Structuring Nonformal Education Resources 171
Mass Media and health Practices 173
Educational Technology: Studies and Application 174
Radio Community Basic Education 175
Development Communication Clearinghouse 176

Rural Satellite Program 177
Radio Science 179
Improving the Efficiency of Education Systems 180

DIRECTORATE FOR HEALTH AND POPULATION

Office of Population

Natural Family Planning Education and training 185
Family Planning Training for Paramedical, Auxiliary and Community Personnel II 187
Population Communication Services 189
Training in Reproductive Health 191
Population Information Program 193
Population Service Internship Program 195
Strategies for Improving Service Delivery 197
Family Health International 199
Family Planning Program/World Wide Training Fund 201
Program for Applied Research on Fertility Regulation 202
Integrated Population/Development Planning II 203
Resources for Awareness of Population Impact on Development 205
The Population Council program 207
Family Health and Demographic Surveys 208
Demographic Data for Development 209
Demographic Data for Development 210
Demographic Data for Development 211
Population Policy Research/International Research Awards Program in Fertility Determinants 212
Development Law and Policy 213
Population Policy Research, National Academy of Sciences . 214
Population Program Development and Support 215
Population Program Development and Support 217
Contraceptive Procurement 218

Office of Health

Malaria Immunity and Vaccine Research 221
Tropical Disease Research 222
Comprehensive Methods of Vector Control 223
Operations Research 224
Technology for Primary Health Care 225
Diarrheal Disease Research Program 226
MEDEX II 227
HHS Resource Support 229
Oral Rehydration Therapy-Health Education and Long Term Planning (ORT-HELP) 230
Pediatric Chronic Diarrheal Disease Research Training 231
Water and Sanitation for Health (WASH II) 232
Vaccine Development and Health Research 233
Indefinite Quantity Contracts 234
Health Development Planning and Management 235

Directorate for Food and Agriculture

OFFICE OF AGRICULTURE

(S&T/AGR)

Bureau for Science and Technology

DIRECTORATE FOR FOOD AND AGRICULTURE

(S&T/FA)

PROJECT: Seed Program and Industry Development, #931-0203. Initial Obligation FY 58, estimated completion FY 85. Life of project funding: $4.4 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to establish seed production industries capable of meeting LDC farmers' needs for improved seeds. This project provides technical assistance in the planning, implementation and evaluation of seed programs and seed industry in LDCs in order to improve seed processing efficiency. An annual summer training course in seed processing is conducted and graduate training is offered.

RESEARCH OBJECTIVES: To conduct research on seed quality and related problems.

SERVICES AVAILABLE:

--Technical assistance to mission, including project design and evaluation.
--Seed processing information.
--Host country/LDC-based training workshops.
--U.S. or Third World country degree training.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Individual country reports.
--Workshop reports.
--Training Manuals.

EXAMPLES OF ACTIVITY:

Upper Volta--Prepared plans for a seed processing plant and specifications for the equipment.

Ghana--Redesign of the seed production component of the project, Managed Inputs and Delivery of Agricultural Services (MIDAS) for small farms development.

Costa Rica--Actively participated in a regional technical meeting concerning Improved Seed of Basic Grains.

Cameroon--Prepared an Analysis and Recommendations for Phase II of the North Cameroon Seed Multiplication Project.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Robert I. Jackson, S&T/AGR/AP, AID/W, (703) 235-8964.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Mississippi State University.

PROJECT: Weed Control Utilization, #931-0206. Initial obligation FY 79, estimated completion FY 85. Life of project funding: $3.732 million (includes $40,000 mission buy-in). Project incorporated into 931-4142 (Integrated Pest Management and Environmental Protection) FY 85.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to improve weed control methods in developing countries. The project provides technical assistance and training to the new weed science community and supporting institutions.

RESEARCH OBJECTIVES:

SERVICES AVAILABLE:

--Project related technical assistance, resource support.
--Project design and evaluation.
--Information sources including publications, papers and seminars.
--Host country/LDC-based training workshops.
--U.S. or third country degree training.
--Special studies.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Annual Report.
--Research reports, special reports, newsletter.

EXAMPLES OF ACTIVITY:

--Worldwide research network for terrestrial and aquatic weeds through the International Plant Protection Center at Corvallis, Oregon.

--Worldwide training courses and worksnops on weed science research.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Dr. B. L. Pollack, S&T/AGR/AP, AID/W, (703)-235-1497.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Oregon State University.

PROJECT: Spring X Winter Wheat, #931-0621. Initial obligation FY 76, estimated completion FY 85. Life of project funding: $4.5 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to develop improved wheat varieties with resistance to diseases, insects and moisture stress for LDC farmers. In collaboration with the International Center for Maize and Wheat (CIMMYT), a worldwide network of cooperators has been formed to help ensure that developing countries can obtain and effectively use wheat breeding materials developed through research. Training in wheat breeding is provided for LDC graduate students.

RESEARCH OBJECTIVES: Provide wheat germplasm to LDCs from spring x winter wheat crosses which have been selected for facultative or winter types.

SERVICES AVAILABLE:

--Project implementation and germplasm dissemination.
--Research findings and information.
--Host country/LDC based training workshops.
--U.S. or Third World country degree training.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Wheat cultivar abbreviations.
--Results of the International Winter x Spring Wheat Screening Nursery.

EXAMPLES OF ACTIVITY:

--Workshops conducted in Tunisia and Peru.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Robert I. Jackson, S&T/AGR/AP, AID/W, (703)-235-1497.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Oregon State University.

PROJECT: Sorghum/Millet Collaborative Research Support Program (CRSP), #931-1254. Initial obligation FY 79, continuing.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to increase sorghum/millet production and utilization and to improve research capabilities in LDCs through collaborative research between U.S. and LDC institutions. Work on applied research problems is undertaken to relieve constraints to increased sorghum/millet production and utilization.

RESEARCH OBJECTIVES: Applied research problems involve such areas as cropping systems on small LDC farms and development of improved varieties.

SERVICES AVAILABLE:

--TDY technical assistance to missions.
--Graduate degree training for U.S. and host country scientists.
--Host country/LDC based workshops.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Annual Report.
--Trip Reports.
--Workshop Proceedings.

EXAMPLES OF ACTIVITY:

Sudan--Collaborative research on sorghum and millet improvement.

Mexico--Workshop on sorghum/millet farming systems.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Robert I. Jackson, S&T/AGR/AP, AID/W, (703)-235-1497.

GRANTEE/IMPLEMENTING ORGANIZATION: University of Nebraska.

PROJECT: Improvement of Postharvest Grain Systems, #931-0786. Initial obligation FY 67 , estimated completion FY 85. Life of project funding: $8.7 million.

PURPOSE/APPROACH/DESCRIPTION: Strengthen missions' capability in assisting developing country institutions in designing, implementing, monitoring and coordinating adaptive and applied research programs aimed at finding economically feasible methods for achieving loss reduction. This project encompasses the following: (1) strengthening cooperating country institutional capabilities to generate pool of national trainers who in turn develop relentless training programs; (2) identify opportunities and constraints in postharvest grain development, create new market channels and value added; (3) ennance the shift of small traditional (subsistence) farmers production toward commercial enterprises to supply private investor producers.

RESEARCH OBJECTIVES: Increase food availability at minimum costs through conceptualizing the precise magnitude of food losses in postharvest grain systems including all upstream - downstream, backward-forward subsystems, to draw cost effective programmatic strategies for interventions.

SERVICES AVAILABLE:

--Short-medium problem solving technical assistance.
--In-country short training courses.
--On-campus annual seven week grain storage and marketing short course.
--Graduate programs, M.S., Ph.D.
--Postharvest documentation services (PHDS) worldwide assimilation and dissemination of research publications.
--Special studies, feasibility, technical and biotechnical.
--Adoptive and adaptive technological transfer.
--Develop policies and measures for food security.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Building viable food chains in the developing countries.
--Improving marketing systems in developing countries; an approach in identifying problems and strengthening technical assistance.

--Developing an appropriate grain storage system.
--LDC wheat imports in 1985 and impact of development assistance.
--Food grain reserves in developing countries.
--Status of grain storage in developing countries.
--User's guide to computerized system for feasible agribusiness development, Vol. I & II.
--Grain storage, processing and marketing short course outline.
--Grain policy development and implementation in Sri Lanka.
--Assessment of the need impact and proposed uses of 1980 PL 480 Title I.
--Some properties of cereal grains, food legumes and oilseeds (hygroscopic, thermal, physical properties affecting storage and drying.

EXAMPLES OF ACTIVITY:

--Modification of Brook grain dryer to minimize cost of construction and maximize efficiency by 40%. The modified dryer has helped the farmer to abate his grain losses throughout the global tropical humid regions.

--Analysis study of current and future needs of milling and baking industries in Ecuador, recommended substitution for soft wheat in the milling mixes which led to a policy change that accomplished cost reduction and optimal outputs with improvement of quality.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Raja Jaffan, S&T/AGR/AP, AID/W, (703) 235-2318.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Kansas State University/Food and Feed Grain Institute (KSU/FFGI).

PROJECT: Bean/Cowpea Collaborative Research Support Program (CRSP), #931-1310. Initial obligation FY 81, estimated completion FY 88. Life of project funding: $14.5 million (5 year), $27.9 million (8 year).

PURPOSE/APPROACH/DESCRIPTION: To identify universal constraints to bean/cowpea production, availability and consumption, and to address them through research settings where the crops have unique local importance.

RESEARCH OBJECTIVES: The project is designed to focus research (genetic, physiological, nutritional, socio-economic, pest control) on the problems of small subsistence farmers in their traditional settings as the problems relate to beans/cowpeas.

SERVICES AVAILABLE:

--Project related technical assistance, including project identification and development.
--Project design and evaluation.
--Information sources: publications, papers, seminars.
--Host country/LDC-based training workshops.
--U.S. or third country degree training.
--Special studies; research.
--Exchange of materials.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Annual Report--Technical Summary (CRSP), Executive Summary (CRSP), External Review Panel.
--Research Highlights, Special Reports, Newsletter.
--Journal Articles.

EXAMPLES OF ACTIVITY:

Senegal--A program to develop improved cowpea cultivars for production and utilization in semi-arid zones is providing the national team with the materials and information for conducting an effective cowpea research program. Earliness, adaptation to heat and drought, and high yields are major objectives in the program.

Guatemala (INCAP)--By coordinating genetic, nutrition and food technology research, improved biological utilization and availability of dry beans is anticipated.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: B. L. Pollack, S&T/AGR/AP, AID/W, (703) 235-1497.

GRANTEE/IMPLEMENTING ORGANIZATION: Michigan State University.

PROJECT: Control of Barley Diseases, #931-1318. Initial obligation FY 78, estimated completion FY 85. Life of project funding: $1.8 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to increase the yield of barley by ennancing the crop's resistance to disease in developing countries. Project activities include: (1) determining different sources of resistance to major diseases; (2) developing crop populations with major and minor gene resistance to specific diseases; (3) combining populations having specific agronomic traits with disease resistant populations, and (4) training barley research workers, both degree and nondegree candidates.

RESEARCH OBJECTIVES: Provide barley germplasm to LDCs which is resistant to the major diseases.

SERVICES AVAILABLE:

--Technical assistance to missions for project evaluation, implementation and germplasm dissemination.
--Research findings and information.
--Host country/LDC based training worksnops.
--U.S. or Third World Country degree training.
--Research.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Annual Report on Control of Barley Diseases for Lesser Developed Countries of the World.
--Proceedings of the Barley Diseases and Associated Breeding Methodology Workshop.

EXAMPLES OF ACTIVITY:

Morocco--Workshop on Barley Diseases and associated breeding methodology.

GEOGRAPHIC SCOPE: All regions except Africa.

S&T PROJECT OFFICER: Robert I. Jackson, S&T/AGR/AP, (703) 235-1497.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Montana State University.

PROJECT: Small Ruminant Collaborative Research Support Program (CRSP), #931-1328. Initial obligation FY 78, estimated completion FY 90. Life of project funding: $46 million.

PURPOSE/APPROACH/DESCRIPTION: The approach is to strengthen the research capabilities of agencies and institutions in developing countries and the USA in small ruminant animal production.

RESEARCH OBJECTIVES: The objectives are to increase the efficiency and yields of meat, milk and fiber from sheep and goats in intensive and extensive grazing programs or confinement rearing systems of the arid, semi-arid and humid tropics.

SERVICES AVAILABLE:

--Graduate degree training for U.S. and LDC scientists.
--Dissemination and application of research results.
--Host country/LDC based workshops.
--TDY technical assistance to missions with related projects.
--Development of integrated research programs.

KEY PUBLICATIONS AVAILABLE:

--Annual report on accomplishments and budgets.
--Annual Evaluation Report by Independent Committee.
--Annual Work Plans for 15 Research Subprojects.
--5 Year Summary of Accomplishments.
--Listing of Research Publications (1978-1983).
--Technical Reports (44 to date).
--Quarterly Newsletter.
--Program Information Brochure.

EXAMPLES OF ACTIVITY:

Peru--A multidisciplinary research program established to integrate biological and socio-economic elements of sheep and goat production. Linkages were developed between U.S.A., Peruvian, and International organizations for research in nutrition, range management, animal health, sociology, economics, physiology and breeding.

GEOGRAPHIC SCOPE: Worldwide (5 countries).

S&T PROJECT OFFICER: W. P. Warren, S&T/AGR/AP, AID/W, (703) 235-8878.

GRANTEE/IMPLEMENTING ORGANIZATION: University of California/Davis.

PROJECT: Crop Nematode Research and Control, #936-1449. Initial obligation FY 84, estimated completion FY 87. Life of project funding: $1.0 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to strengthen the regional, institutional and individual capability in crop protection and to help establish efficacious pest management systems with emphasis on crop nematodes. This project, with headquaters at North Carolina State University (NCSU), encompasses research, training, and technology transfer.

RESEARCH OBJECTIVES: (1) To screen crop germplasm for resistance to nematodes; (2) to identify nematode problems involving important crops; (3) to evaluate cropping systems to reduce losses caused by nematodes; (4) develop research network of LDC collaborators.

SERVICES AVAILABLE:

--Project related technical assistance.
--Short-term speciality training in nematology.
--Nematology workshops/conferences (travel and per diem for participants).
--Information base/resource center.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Brochure describing project.
--Directory of International Network of Scientists engaged in nematology research.

EXAMPLES OF ACTIVITY:

Resistance Screening--Plant material obtained from six IARCs is screened for resistance to eight major species and races of root-knot nematodes.

Evaluation of Cropping Systems--In cooperation with the International Potato Center, NCSU is conducting cropping systems research to reduce losses by crop nematodes.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Robert Altman, S&T/AGR/AP, AID/W, (703) 235-2318

CONTRACTOR/IMPLEMENTING ORGANIZATION: Department of Plant Pathology, North Carolina State University.

PROJECT: Peanut Collaborative Research Support Program, #936-4048. Initial Obligation FY 82, Estimated Completion FY 92. Life of Project Funding: $9.85 million for first five years.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to bring together the resources of less developed countries (LDCs) and U.S. institutions in a long-term collaborative research program to relieve constraints that would enable an increase in production and utilization of peanuts in LDCs. Research is conducted in areas such as varietal improvement, resistance to viruses and diseases, improved pest management, drought resistance, aflatoxin management and control, optimum food utility, peanut utilization, and the influence of rhizobia and mycorrhizae on growth.

RESEARCH OBJECTIVES: The research objective is to enhance research programs in the U.S. and host country institutions by a) developing cultivars, management practices and utilization process that will lower costs and increase peanut use; b) providing support in terms of equipment, supplies and personnel, and c) offering short-term and degree training.

SERVICES AVAILABLE:

--Research.
--Germplasm collection and distribution.
--Host country/LDC-Based Training Workshops.
--U.S. Third Country Degree Training.
--Information dissemination through research publications and newsletters.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: Peanut CRSP Newsletter

EXAMPLES OF ACTIVITY:

Senegal - Developed low cost, easy method to remove aflatoxin from oil using locally available materials.

Nigeria - Identified two viral agents responsible for transmitting and inducing symptoms of rosette virus.

GEOGRAPHIC SCOPE: Africa (60%), Asia (30%) and Caribbean (10%).

S&T PROJECT OFFICER: Loren L. Schulze, S&T/AGR/AP, AID/W, (703) 235-1497.

GRANTEE/IMPLEMENTING ORGANIZATION: University of Georgia.

PROJECT: Host Resistance - Integrated Tick Control, #936-4083. Initial obligation FY 83, estimated completion FY 88. Life of project funding: $1,450,000.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to develop tick control methods that rely on acquired resistance of cattle to ticks instead of close-interval application of acaricides.

RESEARCH OBJECTIVES: The potential for a tick immunity factor in cattle which will result in preventing disease transmission by ticks has been projected . Recent observations suggest that tick immunity factors may be established for cattle that will become a major entomological breakthough and could be applicable for tick control on a worldwide basis. Success will first be evident in the control of East Coast Fever (ECF) responsible for over $100 million per year in losses to cattle producers in East, Central and South Africa.

SERVICES AVAILABLE:

--TDY technical assistance to missions
--Host country/LDC - Based training Workshops
--U.S. or Third Country Degree Training
--Information Resources

KEY PUBLICATIONS AVAILABLE:

Initial reports will be Annual Progress Reports

EXAMPLES OF ACTIVITY:

Kenya - The International Center of Insect Physiology and Ecology (ICIPE) will be conducting all research activities in vicinity of Nairobi in the laboratory and in the field (operating ranches). The program is attracting international scientists and will serve as an international show case for specific techniques and unique accomplishments in this research subject matter.

GEOGRAPHIC SCOPE: 90% Africa for present

S&T PROJECT OFFICER: W. P. Warren, S&T/AGR/AP, AID/W, (703) 235-8878

CONTRACTOR/IMPLEMENTING ORGANIZATION: International Center for Insect Physiology and Ecology (ICIPE), Nairobi, Kenya

PROJECT: Pre/Postharvest Rodent/Bird Control R&D, #936-4120. Initial obligation FY 83, estimated completion FY 89. Life of project funding: $2.8 million.

PURPOSE/APPROACH/DESCRIPTION: To conduct and coordinate a research network to develop and demonstrate improved systems to reduce pre/postharvest losses to vertebrate pests, especially rodents and birds. The multidisciplinary team effort responds to the need for control techniques and programs through technical assistance, training, outreach activities, and literature distribution.

RESEARCH OBJECTIVES: To develop and further adapt and improve vertebrate pest management systems.

SERVICES AVAILABLE:

--Cost-sharing TDY and long-term technical assistance (project design, implementation, evaluation, pest management/research program development, extension).
--Host country and international-network training workshops, other network activities and information dissemination.
--Research in U.S.A. and LDCs.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Progress of vertebrate pest management in agriculture (in LDCs), 1966-1982.
--Annual reports, detailing research findings.

EXAMPLES OF ACTIVITY:

Development in:

Africa--of activities to improve control of the pest bird Quelea.

Latin America--of two methods of control of vampire bats and rabies in livestock.

Bangladesh, Colombia & Philippines--of rodent control in wheat, coconuts, maize and rice, respectively.

GEOGRAPHIC SCOPE: Worldwide.

S&T/PROJECT OFFICER: Dr. Harlan R. Shuyler, S&T/AGR/AP, AID/W, (703) 235-8877.

PASA/IMPLEMENTING ORGANIZATION: Denver Wildlife Res. Center, U.S. Fish and Wildlife Service, Section of Intl. Programs.

PROJECT: International Soybean Research Network, #936-4132. Initial Obligation FY 85, Estimated Completion FY 89. Life of Project Funding: $6 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to increase production and utilization of soybeans in developing countries in order to increase rural incomes and productivity and overcome food and nutritional deficits. The project will assist national and regional agriculture research institutes in overcoming problems limiting soybean production in developing countries; assist LDC public and private sectors to develop, test, adapt, and utilize appropriate technologies to process and consume soybean production in their countries; and assist developing countries in adapting economic policies and institute measures needed to establish economically viable soybean production in their countries.

RESEARCH OBJECTIVES: An International Soybean Research Network will be formed involving national, international and U.S. institutions to conduct production research (variety trials, production constraints, improved varieties, variety resistance to pests), utilization research (improved soy productions, village level industry, low cost production of animal feed), economic analyses, and training.

SERVICES AVAILABLE:

--Project related technical assistance including project identification and development.
--Germplasm collection and distribution.
--Host country/LDC-Based training workshops.
--Information dissemination.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

EXAMPLES OF ACTIVITY:

Project has not yet begun.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Loren L. Schulze, S&T/AGR/AP, AID/W, (703) 235-1497.

CONTRACTOR/IMPLEMENTING ORGANIZATION: To be determined.

PROJECT: Pest Management and Related Environmental Protection, #936-4142. Initial Obligation FY 80, Estimated Completion FY 85. Life of Project Funding: $4.75 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to strengthen national, regional, and global LDC capability to develop and implement economically efficient, socially acceptable, and environmentally sound programs in pest and pesticide management. Under the project the services of the Consortium for International Crop Protection (CICP) are available for missions and bureaus. CICP is composed of 13 universities and the USDA and has a pool of over 1,000 crop protection specialists available to work on all phases of crop protection in any area of the world.

RESEARCH OBJECTIVES: Promote research on cost-effective and safe pest management methodologies.

SERVICES AVAILABLE:

--Crop protection surveys and information on crop pests.
--Environmental assessments.
--Conference/Workshops in Pest & Pesticide Management.
--Training in pesticide analysis.
--Project evaluation and design.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Brochure describing project.
--Proceedings of Regional Pest and Pesticide Management Workshop.
--An Agromedical Approach to Pesticide Management.

EXAMPLES OF ACTIVITY:

--Conducted Regional Surveys of Plant Protection Problems.
--Prepared Plans for an Integrated Crop Protection Programs for Peru.
--Conducted Environmental Assessments for many missions worldwide.
--Conducted numerous national and regional pest and pesticide management workshop.
--Conducted Training in Integrated Pest Management techniques.
--Provided Regional Integrated Pest Management Specialists in several areas for long periods of time.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Carroll W. Collier, S&T/AGR/AP, AID/W, (703) 235-8877.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Consortium for International Crop Protection (CICP), 2288 Fulton Street, Suite 310, Berkeley, CA 94704.

PROJECT: Technology of Soil Moisture Management, #936-4021. Initial Obligation FY 81, estimated completion FY 89. Life of project funding: $1.6 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to help developing nations in their research and technical assistance needs for improving crop production through improved dryland agronomic systems. The project assists missions and host countries to make assessments and develop short- and long-term strategies for addressing dryland resources and production problems. Linkages are developed among national scientists within a region with similar dryland management problems, and the IARCs, CRSPs, and U.S. institutions doing research on these problems.

RESEARCH OBJECTIVES:

--Improve dryland soil and water management.
--Improve agronomic systems for sustained production in less favorable dryland areas.
--Improve dryland agronomic systems with minimum purchased inputs.
--Improve institutional capability to generate or adapt dryland technologies and get them applied.
--Improve regional research activity on similar dryland constraints.

SERVICES AVAILABLE:

--Technical assistance to missions.
--Technical information sharing.
--Regional training workshops.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Dryland Soil Resources.
--Dependable Precipitation and Potential Yields for Senegal, a Practical Guide for Rainfed Agriculture.
--Rainfed Agriculture in Haiti.

EXAMPLES OF ACTIVITY:

Thailand--Training in agroclimatology, soil water management.

Morocco--Linkage and collaboration of scientists on soil-plant-water simulation model.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Raymond E. Meyer, S&T/AGR/RNR, AID/W, (703) 235-8993.

CONTRACTING/IMPLEMENTING ORGANIZATION: Agricultural Research Service/USDA

PROJECT: Aquaculture Technology Development #931-1314 Initial obligation FY 82, estimated completion FY 87. Life of Project funding $2.25 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to (1) enable the International Center for Aquaculture (ICA) at Auburn University to continue to utilize its faculty for steering educational programs in fish culture for students from LDCs, (2) effectively utilize the capabilities available at Auburn/ICA in programs that backstop aquaculture development in 2 DCs, and (3) research, develop and extend appropriate new technologies in fish culture to A.I.D. missions and LDC host country governments.

RESEARCH OBJECTIVES:

--Improve genetics of appropriate species.
--Develop improved hybrids.
--Refine polyculture.
--Develop fish/small animal associations.
--Develop low cost feeds.
--Improve post harvest fish processing methods.

SERVICES AVAILABLE:

--Project related technical assistance.
--Evaluation, Special Studies.
--Training Program Long and Short Term.
--Information dissemination.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Surveys of USAID needs for project development assistance.
--Project Development Reports.
--Evaluations of Aquaculture Projects.
--Fish Farming Research.
--Various Technical and Special Reports.

EXAMPLES OF ACTIVITY:

Niger--Study of Potential for increased Fish Production in the Niger River.

Philippines--Sector Impact Analysis of Aquaculture Development and Evaluation of Freshwater Aquaculture Development project.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Tejpal S. Gill, S&T/AGR/RNR, AID/W, (703) 235-1275.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Auburn University.

PROJECT: Biotechnology and Nitrogen Fixation - Limiting Factors. #936-0610. Initial obligation FY 76, estimated completion FY 93. Life of project funding: $17 million.

PURPOSE/APPROACH/DESCRIPTION: To support cooperative research between LDC scientists and U.S. scientists to solve problems limiting biological nitrogen fixation (BNF) and use of molecular biological methods for problems, such as bio-diagnosis and control of plant and animal diseases, plant tissue culture for improved and stress tolerant crops, and other agricultural processes. Grants are awarded for a three-year period, with priority given to problems identified in developing/tropical areas.

RESEARCH OBJECTIVES: To gain knowledge that will allow the development of practical uses to improve the contribution of BNF in farming systems, of better diagnosis and control of plant and animal diseases, of improved stress-tolerant crops and animals, etc.

SERVICES AVAILABLE:

--Research assessment by grantee scientists.
--International workshops.
--Exchange of germ plasm and scientific techniques.
--Graduate training for LDC scientists as part of research

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Current annual report on project.
--Scientific articles on BNF and biotechnology.
--Graham, P.H. and S.C. Harris (Eds) 1982. Biological Nitrogen Fixation Technology for Tropical Agriculture. CIAT, Cali, Colombia, 768p.
--1982 Priorities in Biotechnology Research for International Development, Proceedings of a Workshop, BOSTID, NRC-NAS, Washington, D.C. 261p.

EXAMPLES OF ACTIVITY: Grants have been made for cooperative research involving scientists in Cameroons, Egypt, Kenya, Malawi, Morocco, Nigeria, Senegal, Sudan, Tunisia, India, Malaysia, Philippines, Sri Lanka, Thailand, Turkey, Dominican Republic, Haiti, Trinidad, Costa Rica, El Salvador, Honduras, Mexico, Panama, Brazil, Chile, Colombia, Ecuador, Guyana, Venezuela. Thirty persons have earned M.Sc./Ph.D. degrees. Research has involved legumes: beans (27), cowpea

(18), peanut (11), pigeon pea (9), mung bean (3), lentil (4), chickpea (6), faba bean (2), lima bean (1), alfalfa, stylo and dismodium (5), leucaena (2), acacia (1), gliricidia (1).

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Lloyd R. Frederick, S&T/AGR, AID/W, (703) 235-1275.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Dr. Charles Smith, USDA/CSRS, Washington, D.C. 20520 and Dr. Gerald Elkan, Department of Microbiology, NCSU, Raleigh, NC 27695.

PROJECT: Soil Management Support Services, #931-1229. Initial obligation FY 79, estimated completion FY 88. Life of project funding $5.2 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to help developing nations improve their capability for managing and conserving vital soil resources for agricultural production and to improve their capacity to use soil classification and soil surveys as means of improving the applicability and transfer of agricultural information. Coordinated technical input is provided to A.I.D. missions and national institutions/programs. Regional technical workshops and training fora are conducted.

RESEARCH OBJECTIVES:

--Improve soil taxonomy for tropical soils.
--Improve systems for sustained production in less favorable areas.
--Improve systems for high production in less favorable areas.
--Improve minimum purchased input systems.
--Improve institutional capability to generate or adapt technologies and get them applied.
--Improve erosion and resource conservation understanding in the tropical region.

SERVICES AVAILABLE:

--Technical assistance to missions.
--Technical information dissemination.
--Regional training workshops.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Keys to Soil Taxonomy.
--Soil Taxonomy News.
--Soil Moisture Regimes of Africa.
--Progress Report, SMSS.
--Soil Moisture Regimes of South America.
--Bibliography of Soils of the Tropics (Vols. 1-5).
--Soil Taxonomy and Technology Transfer.

EXAMPLES OF ACTIVITY:

Sudan, Chile/Ecuador, Philippines--International Soil Classification Workshops.

Costa Rica, Jordan, Burundi--International Forums on Technology Transfer.

Djibouti, Jamaica--Soil laboratory assistance.

Ecuador, Peru, Thailand, Senegal--Policies and programs in soil conservation.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Raymond E. Meyer, S&T/AGR/RNR, AID/W, (703) 235-8993.

CONTRACTOR/IMPLEMENTING ORGANIZATIONS: Soil Conservation Service/USDA.

PROJECT: Nitrogen Fixation, Symbiotic (NifTAL) #931-0613. Initial obligation FY 75, estimated completion FY 89. Life of project funding: $12 million.

PURPOSE/APPROACH/DESCRIPTION: To develop practical ways to improve the technology for using biological nitrogen fixation (BNF), especially with legumes in tropical farming systems. The project was developed to provide technical assistance in research, training, legume inoculant production and distribution; to build and test a collection of root nodule bacteria so effective strains can be selected for more than 50 tropical legumes and in cropping systems; to train scientists and extension workers to work with rhizobia and BNF utilization; to build a network of scientists through workshops and exchange of cultures, techniques and information, including a BNF Bulletin; coordinate cooperative legume inoculation trials (INLIT) conducted by national scientists; and conduct research on the application of BNF in cropping systems.

RESEARCH OBJECTIVES: (1) To develop simple, low-cost technology for production of legume inoculants, (2) to develop better ways to use BNF through legumes in cropping systems, (3) to evaluate and select superior stress-tolerant strains of rhizobia for 70 tropical legumes, (4) to develop better methods of inoculating legumes with rhizobia in the field, (5) to develop markers and study survival and competitiveness of rhizobia and (6) to initiate economic analyses of BNF in cropping systems.

SERVICES AVAILABLE:

- --Assessment studies on research and technology of legume inoculants and legume production systems.
- --Project identification, project development, and other project related technical assistance.
- --Evaluation.
- --Information dissemination through workshops/training for research, outreach and private enterprise activities. Also BNF Bulletin and reprints of research.
- --Rhizobia germ plasm, some legume seeds, antisera for identifying certain rhizobial strains.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

- --Biological Nitrogen Fixation Technology for Tropical Agriculture, Graham and Harris (Ed.). 1982. 768p. CIAT, A.A., Cali, Colombia

--International Network of Legume Inoculation Trials. NifTAL staff. 1983 Rev. 68p. NifTAL, P.O. Box "O", Paia, HI 96779 U.S.A.
--Practical Exercises in Legume/Rhizobium Technology. Somasegaran, Hoben and Halliday. 1982 Rev. 80 p. NifTAL (see above).
--Research reports and project reports - PPC/CDIE/DI.

EXAMPLES OF ACTIVITY:

Zambia--Contract to train personnel to do research on and produce legume inoculants for legume crops in Zambia.

Bangladesh--Conducted workshop for agricultural extension workers on legume inoculation - production, distribution and use.

Thailand--Assessment of use of tree legumes in land reclamation, stabilization and cropping systems. Economic analysis of BNF.

Peru--Co-sponsored workshop on assessment of use of Azolla in rice production.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Lloyd R. Frederick, S&T/AGR, AID/W, (703) 235-1275.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Dr. Joann Roskoski, University of Hawaii - NifTAL - P.O. Box "O", Paia, HI 96779 Tel. (808) 579-9568.

PROJECT: International Fertilizer Development Center. #931-0054. Initial obligation FY 75. Continuing. Funding through FY 86 $52,700,000.

PURPOSE/APPROACH/DESCRIPTION: The purpose of this project is to assure a dependable supply of better fertilizers at lower cost to farmers of the developing countries. IFDC seeks new sources of raw materials to produce fertilizer, by devising more economical means for processing raw materials, by discovering new or modifying existing fertilizers to be more agronomically effective. IFDC works with and through national research programs and other international centers to determine soil and crop plant nutrient needs. It studies both production and distribution systems for ways to improve both the management and the physical process of manufacture, storage and distribution. It searches for incentives to the miner, manufacturer, distributor and farmer which will encourage economical use of more fertilizer. The results of studies, research, development and technical assistance are published, reported in meetings and workshops, and extended through training courses at headquarters and in the field.

RESEARCH OBJECTIVES:

--Nitrogen fertilizers with release rates tailored to crop demand.
--Phosphate fertilizers from LDC phosphate rock deposits.
--A more complete understanding of soil/crop/climate interaction with fertilizer in the tropics.
--Studies of the equity effects of fertilizer use.
--Determining the impact of social norms on management.
--Evaluation of government policies and their impact on fertilizer use and farm production.

SERVICES AVAILABLE:

--Estimation and forecasting of country fertilizer needs.
--Phosphate ore evaluation.
--Investment feasibility studies on a company, country or regional basis.
--Process selection and design assistance.
--Factory debottlenecking.
--Management consulting at mine factory, warehouse, shipping, mine, wholesale and retail outlets.

--Field research training.
--Production training, process control, maintenance, instrumentation.
--Fertilizer promotion and extension support.

KEY PUBLICATIONS AVAILABLE from PPC/CDIE/DI:

--Fertilizer Manual.
--Suggested Fertilizer Related Policies.
--Third Evaluation of tne Bangladesh New Marketing System.
--(A list of over 100 reports, bulletins and reprints are available from IFDC).

EXAMPLES OF ACTIVITY:

Bangladesh--Assisted Bangladesh Agricultural Development Corporation to convert from monopoly government fertilizer distribution to private retailing while reducing fertilizer subsidies.

Mali--Determining the crop response to phosphate fertilizer produced by partial acidulation of indigenous rock.

Brazil--Doubled output of mixing plant with minor process modifications.

Malaysia--Developed a specialized fertilizer combining urea, phosphate rock and potasn for rubber industry.

Philippines--Determining volatilization losses of nitrogen from paddy fields by direct air sampling.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: John L. Malcolm, S&R/AGR/RNR, AID/W, (703) 235-1275.

CONTRACTOR: International Fertilizer Development Center.

PROJECT: Fisheries and Aquaculture Technical Assistance (RSSA), #931-0242. Initiated FY 76, FY 85 funding $350,000. Continuing.

PURPOSE/APPROACH/DESCRIPTION: Purpose is to provide support to the Agency for International Development in the fields of fisheries and aquaculture. The National Marine Fisheries Service provides up to three fisheries advisors, plus 1.4 secretarial positions to meet this requirement. The fisheries advisors serve as project managers for S&T projects in fisheries, and assist the Bureaus and Missions in development of projects in fisheries and aquaculture. Review and management of Science Advisor projects.

RESEARCH OBJECTIVES: Not applicable.

SERVICES AVAILABLE:

--Technical advice/assistance in aquaculture and fisheries, on short term TDY basis.
--Technical advice on fisheries issues of importance to Bureaus and or Missions.
--Coordination of technical assistance and training through other staff and facilities of the National Marine Fisheries Service.
--Coordination of technical assistance and training available through Cooperative Agreements with the University of Rhode Island and Auburn University.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: Not applicable.

EXAMPLES OF ACTIVITY: Technical assistance to regional bureaus in review and development of fisheries projects. Technical assistance to Asia, Africa, Latin America, and Near East Missions and bureaus in design, implementation and evaluation of fisheries projects.

GEOGRAPHIC SCOPE: Aquatic; worldwide.

S&T PROJECT OFFICER: Tejpal Gill, S&T/AGR/RNR, AID/W, (703) 235-8993.

CONTRACTOR/IMPLEMENTING ORGANIZATION: National Marine Fisheries Service, National Oceanic and Atmospheric Administration, U. S. Department of Commerce.

PROJECT: CRSP - Soil Management. #931-1311. Initial obligation FY 81. Estimated completion; continuing. Project funding through FY 86: $13.450 million.

PURPOSE/APPROACH/DESCRIPTION: This project is to develop economical and acceptable practices for small farmers to increase the productivity of tropical soils while protecting these soils from both short-term and cumulative damage and to enlarge the pool of scientists to work on soil management problems in the developing countries. Field research in three agro-ecological zones, the humid tropics, the tropical savannas and semi-arid tropics is in progress. The field work is supported by laboratory analyses at host countries institutions and at collaborating U.S. universities. All training is directly related to the research.

RESEARCH OBJECTIVES:

--To determine the plant nutrient requirements of key crops grown on typical soils of the three agro-ecological zones.
--To establish migration rates of nutrients from the points of application through the soil profile.
--To identify soil constituents which inhibit plant growth and full utilization of applied nutrients.
--To determine the various mechanisms involved in soil crusting and devise means of controlling crusting.
--To select and devise soil preparation, planting and cultural practices which will protect the soil from water and wind erosion.

SERVICES AVAILABLE:

--Land capability evaluation.
--Soil management research planning and training.
--Agronomic advice for rainfed agriculture.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None.

EXAMPLES OF ACTIVITY:

--Soil Survey of ICRISAT experiment station in Niger.
--Studies of nitrogen fertilizer/lime interaction in Brazil.
--Continuous farming plots in Peru.
--Land clearing for transmigrants in Indonesia.

GEOGRAPHIC SCOPE: Africa, Asia and Latin America.

S&T PROJECT OFFICER: John L. Malcolm, S&T/AGR/RNR, AID/W, (703) 235-1275.

CONTRACTOR/IMPLEMENTING ORGANIZATION: North Carolina State University (Management Entity), Cornell University, University of Hawaii, and Texas A&M.

PROJECT: Water Management Synthesis II (WMS II), #936-4127. Initial obligation FY83, estimated completion FY87. Life of project funding: $20 million. This project is co-funded by the S&T and Asia Bureaus.

PURPOSE/APPROACH/DESCRIPTION: To increase host country capabilities to plan and implement irrigation water management programs and to change attitudes and behaviors at all levels toward irrigation water management improvement. Major emphasis is on main system management; local users' participation; small-scale irrigation systems; rehabilitation strategies; and new irrigation technologies.

RESEARCH OBJECTIVES: Methodologies include action research, case studies, and literature searches, primarily in collaboration with local LDC institutions. Focus is on substantive issues related to improving management of main canal systems; improving LDC capacities to work effectively with local owners/users of small-scale irrigation systems; and enhancing effective farmer participation in irrigation management.

SERVICES AVAILABLE:

--Inter-disciplinary teams for a wide variety of activities aimed at developing host countries' capacities for sustained irrigation development and water management through: technical assistance; technology transfer/training; special studies.

--Funding formats: central, co-shared, add-ons.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--M. Svendsen, D. Merrey, W. Fitzgerald. "Meeting the Challenge for Better Irrigation Management," Horizons, AID, March 1983. Sets WMS II in historical context.

--J. Morris, D. Thom, W.R. Norman. "Prospects for Small-Scale Irrigation Development in the Sahel." WMS Report #26. 1984.

--Diagnostic Analysis of Irrigation Systems. Vol.I: Concepts and Methodology. Vol. II: Evaluation Techniques. 1983. Project approach to training in the diagnosis and development of solutions to problems in irrigation.

--E. Walter Coward. Improving Policies and Programs for the Development of Small-Scale Irrigation Systems. WMS #27. 1984.

EXAMPLES OF ACTIVITY:

Asia: Project design efforts (India, Indonesia, Sri Lanka); workshops to train inter-disciplinary teams to analyze irrigation problems in the field (India, Sri Lanka); development of computer models for improving managment of irrigation systems (Thailand); action research/assistance in shift from rotational to continuous flow management of a major irrigation system following rehabilitation (Sri Lanka).

Africa: Irrigation sector study (Tanzania); special study of locally managed irrigation systems (Niger); assist Africa Bureau's formulation of irrigation development strategy.

Latin America: Computer graphic-based training modules (Ecuador); project design (Peru, Dominican Republic); sector study (Haiti).

GEOGRAPHIC SCOPE: Worldwide, with particular emphasis on Asia.

S&T PROJECT OFFICERS: Worth Fitzgerald, S&T/AGR/RNR, (703) 235-1275; Eric Chetwyn, S&T/RD/RRD, (703) 235-8860; Mark Svendsen, ASIA/TR/ARD, (202) 632-9102; Douglas Merrey (technical leader), S&T/RD/RRD, (703) 235-8860.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Consortium for International Development, with three major participating universities: Colorado State, Utah State, Cornell. (602) 745-0455.

PROJECT: Agricultural Biotechnology-Plant Tissue Culture (936-4137). Initial FY 84, est. compl. FY 89. LOP fund. $5.0 million.

PURPOSE/APPROACH/DESCRIPTION: Expand and accelerate tissue culture research on LDC crop production problems by strengthing LDC capacity; linking and coordinating world wide research. Expand field testing of stress tolerant plants in collaboration with IARCs and LDC research institutions. Train LDC researchers to use plant biotechnology/ tissue culture for crop production problems. Stimulate a network of research institutions to share technology, information and materials. Apply tissue culture techniques to additional important LDC crops.

RESEARCH OBJECTIVES:

Produce and characterize such LDC crops as wheat, rice and pearl millet tolerant of salt, drought, aluminum and heat stresses. Develop techniques for regenerating plants from protoplasts or cell cultures of soybean, green beans, cowpea, corn and sorghum. Develop techniques to accelerate translocation of genes from wild species into domesticated crops during wide crosses. Test derived crop lines at field locations including IARCs testing networks. Develop and apply techniques such as anther culture, embryo culture and protoplast fusion to improve LDC crops.

SERVICES AVAILABLE:

--Subgrants for research where LDC and U.S. institution scientists cooperate.
--Train LDC personnel in tissue culture to obtain stress tolerant crops.
--Annual network conference to enhance research cooperation and information exchange.
--With A.I.D. mission funding establish U.S.-LDC technical support linkages and upgrade LDC laboratories and staff to participate in the International Tissue Culture Network for cooperation with CSU staff on specific problems including linkage for diagnostic analysis, information/ technology transfer and training.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--CSU will supply bibliographies and journal article reprints to LDC members.
--A network newsletter published twice yearly.

EXAMPLES OF ACTIVITY: Worldwide--A Collaborative Research Screening Network to field test regenerated cereal plants. Initial members: IRRI, CIMMYT, ICRISAT, ICARDA, CSU, LSU and several LDCs. Computer access file of plant tissue culture literature for access by LDC cooperators.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: James L. Walker, S&T/AGR/R, AID/W, (703) 235-8877/8959.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Colorado State University, Ft. Collins.

PROJECT: International Benchmark Sites Network (IBSNAT), #936-4054. Initial Obligation FY 82, estimated completion FY 90. Life of project funding: $9.9 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose of the project is to demonstrate, through a network, the use of systems analysis and soil-weather-crop simulation models for predicting problems and potentials of crop performance and management requirements for decision making at regional, national, intermediate and on-farm levels. It will be a prototype network of collaborating national, regional and international research centers whose stations represent major agroecological zones and crops of the tropics and subtropics. They will serve as both sources and recipients of agrotechnology.

RESEARCH OBJECTIVES:

--Validate simulation models for ten crops.
--Develop agronomic data base management system.
--Establish capability in LDCs to use models for predicting crop performance.
--Establish fully functional prototype network.

SERVICES AVAILABLE:

--Technical assistance to USAIDs and LDCs.
--Technical information sharing
--Regional training workshops
--Back-stopping for LDC collaborators.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--IBSNAT Leaflet; IBSNAT Brochure.
--IBSNAT Project Design Elements, Linkages, Schedules.
--IBSNAT Sites News.
--Proceedings: Minimum Data Set of Agrotechnology Transfer.
--Guidelines: Experimental Design and Minimum Data Set.
--Networking Knowledge - The Future Is Now.
--Dr. N.C. Brady's Keynote Speech August 84.

EXAMPLES OF ACTIVITY: (Research Collaboration)

--International Centers--ICRISAT, CIP, IFDC.
--Regional Centers--CATIE, ACSAD.
--National Centers--CSIRO, EMBRAPA, INRA: Philippines, Indonesia, Panama, Burundi.

GEOGRAPHIC SCOPE: Worldwide.

S&T/PROJECT OFFICER: Tejpal S. Gill, S&T/AGR/RNR, AID/W (703) 235-1275.

CONTRACTOR/IMPLEMENTING ORGANIZATION: University of Hawaii.

PROJECT: Fisheries Development Support Service (Cooperative Agreement), #936-4024. Initiated July 1, 1983. 1984 funds $324,969 Continuing.

PURPOSE/APPROACH/DESCRIPTION: To provide technical assistance to Missions and LDCs in marine fisheries, as appropriate and requested; and, to provide training to personnel from developing countries. The International Center for Marine Resource Development has dealt with LDC issues since its formation, with A.I.D. funds and other sources. It is located in Kingston, Rhode Island, with a separate campus and facilities on Narragansett Bay. Approach is to provide assistance on an as requested basis, and training in an organized form appropriate for individuals with language and discipline skills less than satisfactory.

RESEARCH OBJECTIVES: Not applicable.

SERVICES AVAILABLE:

--Technical assistance in marine fisheries, including stock assessment, product quality, economics, and information handling.
--Training in marine fisheries, including, biology, sociology, economics, and information handling.
--Information search capability for fisheries related publications.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

EXAMPLES OF ACTIVITY:

Sri Lanka--Report evaluating shrimp farming problems and potential. This includes salt water (penaeid) and fresh water (Macrobrachium) shrimp.

West Africa--Assisted the Africa Bureau by developing a status statement on fisheries development in West Africa. This was required for development of a PID for the West Africa initiative, which will begin in FY 1985.

GEOGRAPHIC SCOPE: Worldwide, with emphasis on the marine environment.

S&T PROJECT OFFICER: Tejpal S. Gill, S&T/AGR/RNR, AID/W, (703) 235-1275.

CONTRACTOR/IMPLEMENTING ORGANIZATIONS: University of Rhode Island.

PROJECT: Aquaculture Pond Dynamics CRSP #936-4023. Initial obligation FY 82, estimated completion FY 90. Life of Project funding: $8 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to develop fish cultural technology by studying the physical, chemical and biological mechanisms that regulate the productivity of pond culture systems in developing countries. This project will study four types of systems: (1) small, low intensity tropical ponds, (2) higher intensity tropical ponds, (3) brackish water and hypersaline ponds, and (4) cooler water tropical ponds.

RESEARCH OBJECTIVES: (1) To quantify the dynamic responses of pond culture systems to various treatments, (2) to test hypotheses about the dynamic responses, and (3) to develop descriptive models of the various systems and locations.

SERVICES AVAILABLE:

--Research, as described.

KEY PUBLICATIONS AVAILABLE:

--Principles and Practices of Pond Aquaculture: A State of the Art Review.
--Annual Administrative Reports.
--Annual Work Plans.
--"Aqua News" Quarterly Newsletter.

EXAMPLES OF ACTIVITY:

Thailand--Research projects - low and high intensity.
Indonesia--Research project - cooler water.
Philippines--Research project - brackish water and hypersaline.
Panama--Research projects - low intensity, brackish water and hypersaline.
Honduras--Research project - cooler water.
Rwanda--Research project - cooler water.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Tejpal S. Gill, S&T/AGR/RNR, AID/W (703) 235-1275.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Oregon State University - subcontracts to other universities.

PROJECT: Reproductive Studies on Milkfisn (Cooperative Agreement), #936-4161. Funding of $1,250,000. for two years, beginning July 15, 1984.

PURPOSE/APPROACH/DESCRIPTION: Milkfish are a nighly important food fisn in southeast Asia. Two major problems exist in making the species more available and efficient to rear: 1) maturing adult fish to the spawning condition in captivity, and 2) reducing the mortality of larvae during culture, wnich is presently at 90%. Tnis Cooperative Agreement directly addresses these problems through researcn. It allows considerable interaction between the Oceanic Institute and Project Manager(s) of A.I.D. It also provides a mechanism for collaboration with research institutions in LDCs wnich work on milkfish. Principal involvement is in Taiwan, the Philippines, and Indonesia. Scientist exchange, training, and technology transfer is included.

RESEARCH OBJECTIVES:

--Determine techniques to improve maturation and spawning of captive milkfisn.
--Determine techniques to improve larval survival of cultured milkfish.
--Determine stocks/subpopulations of milkfish tnrough electrophoresis.
--Determine nutritional requirement of cultured milkfish, at all stages.
--Determine environmental parameters necessary for proper culture of milkfish.

SERVICES AVAILABLE:

--Training of LDC personnel in culturing milkfish.
--Transfer of technology of milkfisn culture to LDCs.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--State of the Art document to be prepared as draft during first six months of Cooperative Agreement.
--Other publications, to be developed.

EXAMPLES OF ACTIVITY: Research to be coordinated with TungKang Marine Research Institute in Taiwan, Southeast Asia Fisheries Development Commission in tne Philippines, and Government of Indonesia.

GEOGRAPHIC SCOPE: Southeast Asia and the Pacific.

S&T PROJECT OFFICER: Tejpal S. Gill, S&T/AGR/RNR, AID/W, (703) 235-1275.

CONTRACTOR/IMPLEMENTING ORGANIZATIONS: The Oceanic Institute, Makapuu, Hawaii.

PROJECT: Agriculture Sector Services, #931-0060. Initial obligation FY 77, estimated completion FY 87. Life of project funding: continuing.

PURPOSE/APPROACH/DESCRIPTION: To provide the assistance of agricultural economists and other agricultural specialists for project design activities, evaluations, special studies, country development strategy statements, and sector analyses to less developed countries. The project grant funds an agreement (RSSA) with the USDA (OICD) and USDA Graduate School to provide the agency with agricultural economics expertise not readily available within AID and to sponsor for the Agency workshops and studies in support of agriculture programs in AID recipient LDCs.

RESEARCH OBJECTIVES: Studies and research and support for such research into the socio-economic impact of new agricultural technologies and policies on farmers, consumers in LDCs which make up AID's target population; development of methodologies for such studies.

SERVICES AVAILABLE:

--RSSA with USDA (OICD) and USDA Graduate School; cost-sharing arrangements can be made.
--Projected-related technical assistance, including project design, and evaluation.
--Special studies of agriculture technology or policy impact.
--Information dissemination activities such as workshops and publications.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Evaluation of SAFGRAD farming systems research program.
--Evaluation of Small Farmer Credit: Repayment and Profitability methodologies.
--A Characterization of Scientific Personnel Accessed for AID's International Food and Agriculture Programs.
--Agriculture Policy Modeling with Micro-Computers.
--Food Policies in Developing Countries, USDA.

EXAMPLES OF ACTIVITY:

--Agriculture policy assistance to Dominican Republic, Sri Lanka, Liberia, Senegal.
--Survey of agriculture policies in less developed countries.
--Design of agriculture marketing projects in Belize, Jordan; evaluations in Honduras, El Salvador.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Phillip Church, S&T/AGR/EPP, AID/W, (703) 235-8922.

CONTRACTOR/IMPLEMENTING ORGANIZATION: U.S. Department of Agriculture (USDA) and others.

PROJECT: Agricultural Policy Analysis Project, #936-4084. Initial obligation FY83, estimated completion FY86. Life of project funding: $9.2 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose of the Agricultural Policy Analysis Project is to improve participating AID field missions and developing country decisionmakers' knowledge and understanding of policy issues and constraints affecting agricultural and rural development. This project follows three strategies; namely, collaborative analysis of agricultural policies, develop indigenous capacity to conduct agricultural policy analysis and stimulate demand for policy analysis.

RESEARCH OBJECTIVES: Research is conducted as a component of technical assistance to USAID missions and developing countries improve their economic policies, agricultural product policies, and agricultural input policies.

SERVICES AVAILABLE:

--Technical assistance on policy analysis, project design and publication.
--Training of ADO, RDO and LDC officials on identifying, diagnosing and analyzing agricultural policies.
--Workshops for AID officials and host country decisionmakers.
--Special studies.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Agriculture Sector Studies.
--Country Development Plans.
--Policy Studies.
--Evaluation Reports.

EXAMPLES OF ACTIVITY:

--Senegal--Agricultural sector policy analysis.
--Niger--Agricultural policy and credit reforms.
--Zaire--Toward improved agricultural policies.
--El Salvador--Analysis of selected policy issues.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Ernesto C. Lucas, S&T/AGR/EPP, AID/W (703) 235-8946

CONTRACTOR/IMPLEMENTING ORGANIZATION: ABT Associates, Inc., Robert R. Nathan Associates, Inc., Abel, Daft and Early, Inc., and Oklahoma State University.

PROJECT: Farming Systems Support, #936-4099. Initial obligation FY 82, estimated completion FY 87. Life of project funding: $7.88 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to provide technical assistance, training and networking support to practitioners and administrators of farming research and extension programs in developing countries. The project serves as a catalyst for coordination, communication and effective use of the farming systems approach by institutions whose objectives are the resolution of farm level production problems.

RESEARCH OBJECTIVES: To improve the design, implementation, and evaluation of multi-disciplinary on-farm research.

SERVICES AVAILABLE:

--Technical Assistance: Project design, implementation, and evaluation support.
--Training: Orientation to farming systems approach, methodologies, reconnaissance surveys, on-farm research, data management and analysis, management and institutional setting.
--Networking: Workshops, newsletter, bibliography and literature distribution.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Annual Reports - 1983.
--Task Force Report on Livestock in Mixed Farming Systems.
--Bibliography (English, French and Spanish).

EXAMPLES OF ACTIVITY:

--Gambia--Regional orientation workshop on farming systems approach to agricultural research and extension.
--Liberia--Rural survey in support of project design.
--Malawi--MSTAT training for research design and data analysis.
--Haiti--Training in farming systems methodologies.
--LAC Regional--Workshops on farming systems methodologies.
--Worldwide--Quarterly newsletter and annually issued annotated bibliography.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Wendell E. Morse, Jr., S&T/AGR/EPP, AID/W, (703) 235-8946.

CONTRACTOR/IMPLEMENTING ORGANIZATION: University of Florida.

PROJECT: Technology Development, Transfer and Feedback Systems in Agriculture, #936-4148. Initial obligation FY 84, estimated completion FY 89. Life of project funding: $1.732 million.

PURPOSE/APPROACH/DESCRIPTION: To provide farmers in less developed countries (LDCs) with a sustained flow of improved technology consistent with their needs and production potentials. The project consists primarily of research activity involving the conceptualization, testing and refinement of an information systems model for agriculture using a systems analysis approach and empnasizing practical application in LDCs. The research entails a multidisciplinary team approacn. Guidelines and instructional materials will be developed to facilitate USAID and LDC use of the research results.

RESEARCH OBJECTIVES: (1) To develop a comprehensive conceptual model of agricultural technology development and transfer based on operational systems analysis and designed for practical application to development problems in agriculture; (2) to empirically refine and test the model developed through case studies of successes and failures of existing or past agricultural technology development and transfer systems; (3) to convene a conference involving international experts to review the research results, critique the research activity, and refine the model statement and specifications, and (4) to publish a technical report presenting results of the overall research effort.

SERVICES AVAILABLE:

- --Technical Assistance on the design, implementation or evaluation of agricultural technology development and transfer activities that are directly supportive of the research objectives of the project.
- --Networking involving the development of an annotated bibliography, and a repository of publications relating to technology development and transfer.
- --Training through organizing and conducting national/regional workshops in FY 89.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None yet; new project in FY 84.

EXAMPLES OF ACTIVITY: None.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER:
Manager, Wendell Morse, S&T/AGR/EPP, AID/W (703) 235-8946.
Co-Manager, Donald Anderson, S&T/RD/RI, AID/W (703) 235-8910.

CONTRACTOR/IMPLEMENTING ORGANIZATION: The University of Illinois at Urbana-Champaign, International Program for Agricultural Knowledge Systems (Interpaks).

PROJECT: International Agricultural Research Centers, #936-4111. Initial Obligation FY68, estimated completion: continuing. Life of project funding: continuing.

PURPOSE/APPROACH/DESCRIPTION: The purpose of the international agricultural research centers (IARCs) is to generate, through research, urgently needed technology for increasing production of the major food crops and livestock in developing countries. This program includes 15 international agricultural research centers and programs. Twelve are supported through the Consultative Group for International Agricultural Research (CGIAR); three are not part of the CGIAR network. The centers link with LDC national research programs to form a key element in a global research network to supply the technology needed to expand food production.

RESEARCH OBJECTIVES: The research of the international centers focuses on increasing food production, with special emphasis on the needs of small farmers and poorer consumers. The IARCs are now giving greater attention to the less favored production areas in the developing nations.

SERVICES AVAILABLE:

--Research materials are provided to national program counterparts; these are supplemented with technical cooperation and informational activities (research conferences, etc.).
--Training activities in research methodologies, crop production, and special topics. Higher level training also available.
--Informational activities for AID field staff, conferences on regional research coordination.
--Technical assistance to AID-sponsored projects has been arranged in some instances.
--In-country research activities have been undertaken by several centers as special projects with AID mission or regional funding.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Annual Reports and Annual Research Highlights.
--Reports of seminars and conferences.
--Special publications on important research topics.
--Field manuals on pests, diseases, etc.

EXAMPLES OF ACTIVITY:

--Breeding nurseries distributed to cooperators internationally. Examples: International Rice Testing Program, International Rice Research Institute (IRRI).
--Cameroon: National Cereals Research and Extension Project, Int'l Institute for Tropical Agriculture (IITA); AID-sponsored research and extension activity cooperating with the national program (maize, sorghum and rice).
--Analysis of national agricultural research programs provided by International Service for National Agricultural Research (ISNAR), in some cases under AID sponsorship (e.g. Somalia).
--Food Policy Studies conducted by the International Food Policy Research Institute (IFPRI); example: Food Subsidies in Egypt.

GEOGRAPHIC SCOPE: Worldwide and regional, depending on center.

S&T PROJECT OFFICER:

Robert B. Bertram, S&T/AGR, AID/W (703) 235-8893.
Dana G. Dalrymple, Agricultural Economist and Research Advisor, S&T/AGR, AID/W (703) 235-8893.

CONTRACTING/IMPLEMENTING ORGANIZATION:

The International Agricultural Research Centers funded under this project are:

CGIAR-sponsored centers:

--The International Center for Tropical Agriculture (CIAT), Cali, Colombia (rice, beans, cassava, tropical pasture).
--The International Maize and Wheat Improvement Center (CIMMYT), Mexico, D.F., Mexico (maize and wheat).
--The International Potato Center (CIP), Lima, Peru (potatoes).
--The Internaional Rice Research Institue (IRRI), Los Banos, the Philippines (rice).
--The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad, India (groundnut, sorghum, millet, pigeonpea, chickpea, farming systems).
--The International Institute of Tropical Agriculture (IITA), Ibadan,Nigeria (cassava, yam, cocoyam, rice, maize, cowpea, soybean, sweet potato, farming systems).

--The International Livestock Center for Africa (ILCA), Addis Ababa, Ethiopia, (large and small ruminants, farming systems, forages).
--The International Laboratory for Research on Animal Diseases (ILRAD), Nairobi, Kenya (reseach on trypanosomiasis and theleriosis).
--The International Center for Agricultural Research in the Dry Areas (ICARDA), Aleppo, Syria (barley, wheat, chickpea, lentil, fava beans, forages and farming systems).
--The International Board for Plant Genetic Resources (IBPGR), Rome, Italy (conservation of crop genetic resources).
--The International Service for National Agricultural Research (ISNAR), The Hague, Netherlands (assisting national agricultural research programs).
--The International Food Policy Research Institute (IFPRI), Washington, D.C. (food policy as relating to development).
--West Africa Rice Development Association (WARDA), Monrovia, Liberia (rice in West Africa) 1/

Other centers:

--The Asian Vegetable Research and Development Center (AVRDC), Tainan, Taiwan (mungbean, chinese cabbage, soybean, tomato, sweet potato, home gardening).
--The International Irrigation Management Institute (IIMI), Kandy, Sri Lanka (management of irrigation systems - new activity).
--The International Board for Soils Research and Management (IBSRAM), (new activity, projected location in Thailand).

1/ Activity not funded by S&T/AGR - included for informational purposes.

Directorate for Food and Agriculture

OFFICE OF NUTRITION

(S&T/N)

PREVIOUS PAGE BLANK

PROJECT: Nutrition: Iron Deficiency Program Support, #931-0227. Initial obligation FY 76, estimated completion FY 89. Life of project funding: $3.933 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to assist developing countries in designing and implementing programs for alleviating iron deficiency anemia. The project 1) examines the biological values of different iron compounds; 2) determines the feasibility of adding iron to different foods for increasing iron consumption; and 3) supports an International Nutritional Anemia Consultative Group (INACG) composed of donor agencies, and scientists concerned with iron deficiency anemia and LDC representatives.

RESEARCH OBJECTIVES: To improve the bioavailability of iron in foods and diets and thus work toward mitigating iron deficiency anemia in the world population.

SERVICES AVAILABLE:

--Plan and test strategies to combat iron deficiency anemia.
--Analyze critical data and information to assess the prevalence and determine the factors that cause iron deficiency anemia.
--Train supervisory and administrative researchers in techniques of anemia assessment.
--Increase international capacity to conduct applied and operational research.
--Assist in evaluating and upgrading existing operational programs that combat iron deficiency anemia.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Several monographs published by the INACG on iron deficiency anemia.
--Research papers published by ICCNA/KUMC.

EXAMPLES OF ACTIVITY:

--National strategy planned to combat nutritional anemia in Egypt.
--Kansas University Medical Center has established the International Center to Control Nutritional Amemia where the bioavailability of iron from different foods and diets is researched in humans.

PREVIOUS PAGE BLANK

--The INACG has initiated a major research activity to determine comparability of methods that measure iron bioavailability.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Samuel G. Kahn, S&T/N, AID/W, (703) 235-9087.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Nutrition Foundation, Washington, D.C., and Kansas University Medical Center, Kansas City, Kansas.

PROJECT: Nutrition: Scientific, Technical and Planning Support, #931-0262. Initial obligation FY 76, estimated completioncontinuing. Life of project funding: continuing.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to establish/ strengthen nutrition programs and projects in developing countries through technical assistance for the design, implementation and evaluation of nutrition activities. One component is Planning and Analysis which seeks to improve basic nutrition by strenghtening host government capability to plan, design, implement and evaluate nutrition activities. The project also funds both the League For International Food Education (L.I.F.E.) which a) assists in responding to requests for technical information from developing country institutions and U.S. voluntary organizations, b) serves as the secretariat for Project SUSTAIN, which assists developing countries to improve the quality and quantity of their domestically processed food supplies, and c) conducts workshops and conferences; and the Committee on International Nutrition Programs, National Academy of Sciences (N.A.S.), which provides scientific and technical advice through the A.I.D. Office of Nutrition on issues of relevance to nutrition in developing countries.

RESEARCH OBJECTIVES: This project will set research and action priorities in consumption/nutrition linkages.

SERVICES AVAILABLE FROM PLANNING AND ANALYSIS COMPONENT:

--Short term technical assistance.
--Identify and analyze consumption/nutrition problems.
--Plan technically sound interventions.
--Integrate nutrition components and projects in the agriculture, rural development and health sectors at the national, regional and local levels.
--Provide workshops on "Food Production/Consumption Linkages."
--Conduct Home Gardens In-Service Training Program.
--Integrate consumption/nutrition concerns into farming systems research projects.

SERVICES AVAILABLE FROM L.I.F.E.

--Publish bimonthly Newsletter, special reports and conference proceedings.

--Maintain reference lists and a roster of food and nutrition scientists.
--Conduct workshops and conferences.
--Provide short term technical consultants.

SERVICES AVAILABLE FROM PROJECT SUSTAIN:

--Provides short-term technical assistance that addresses problems of a single company in a single country.
--Provides training of developing country food processors, either on-site or in the U.S.

SERVICES AVAILABLE FROM NAS:

--Develop state-of-the-art papers, and outlines of programs or approaches for preventing or treating malnutrition.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

NAS Subcommittee monographs.

EXAMPLES OF ACTIVITY:

Ecuador--Integration of consumption/nutrition considerations into an ongoing Farming Systems Project.

Sri Lanka--Preparation of a National Food and Nutrition Plan and a consumption/nutrition component of the GSL Agriculture and Food Strategy.

Honduras--Home Gardens Workshop for Honduran agricultural and health workers and their counterpart Peace Corps volunteers.

Botswana--Agricultural sector assessment to identify policy and program alternatives in support of improved nutrition.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Maura Mack, S&T/N, AID/W, (703) 235-9087.
Irwin Hornstein, Project SUSTAIN, (202) 737-4686.
Albert Meisel, L.I.F.E., (202) 331-1658.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Community Systems Foundation Development Associates, John Snow, Inc., Management Sciences for Health and Sigma One.

PROJECT: Nutrition and Food Technical Services, #931-0831. Initial obligation FY 69, estimated completion: continuing. Life of project funding: continuing.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to utilize food technology and related disciplines to help improve the nutritional status of low-income people in the developing countries through field service and R&D. The focus is on the development and introduction of low-cost, nutritious foods, particularly weaning foods.

RESEARCH OBJECTIVES: Research is designed to improve the nutritive value of food staples, to develop weaning foods, and to develop appropriate home and village level food technologies to benefit the rural poor.

SERVICES AVAILABLE:

--Development of new technologies (e.g., low-cost extrusion cooking) for producing inexpensive nutritious foods.

--Development of "appropriate food technology," food fortification, and supplementary foods for weaning age children and pregnant and nursing mothers.

--Technical assistance for project identification activities, feasibility studies, and project development, implementation, and evaluation.

--Problem solving technical assistance to in-country PVOs and private food industry operators.

--Technical assistance to in-country private food industry operators.

--Training.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

Monographs on supplemental food interventions.

EXAMPLES OF ACTIVITY:

Sri Lanka--Provide design of factories for manufacture of food supplements used in food aid programs and for commercial sale.

Philippines--Development of field tests for technology to extract edible oil from rice bran.

Indonesia--Provide technology for fortifying monosodium glutamate with Vitamin A.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Nicolaas Luykx, S&T/N, AID/W, (703) 235-9062. Paul R. Crowley, USDA., (202) 447-9208.

CONTRACTOR/IMPLEMENTING ORGANIZATION: USDA Office of International Cooperation and Development.

PROJECT: Nutrition: Improvement of Maternal and Infant Diet, #931-1010. Initial obligation FY 79, estimated completion FY 89. Life of project funding: $19.977 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to help developing countries test, design and implement programs to promote breastfeeding and good dietary practices among pregnant and nursing women, infants, and weaning-age children. The project focuses on 1) preventing a major decline in breastfeeding which could undermine nutrition and health; 2) improving the diet of infants during the transition from breastfeeding to adult foods in the first two years of life; and 3) improving maternal nutrition.

RESEARCH OBJECTIVES: Research is focused on determinants of infant feeding practices and maternal and infant nutrition in different countries.

SERVICES AVAILABLE:

--Training of physicians, nurses, midwives and community health workers.

--Educational programs for the general public using mass media.

--Workshops, conferences and meetings for sensitization or project design.

--Community diagnosis of problems and their determinants using survey and ethnographic methods for project design and evaluation.

--Newsletter to training institutions, health professionals, PVO's and governments to provide current information.

--Project development.

--Information clearinghouse.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Tri-annual newsletter, Mothers and Children, on maternal and infant nutrition.

--Maternal and infant nutrition reviews (country specific).

EXAMPLES OF ACTIVITY:

Thailand--Research on determinants of infant feeding practices. Design communication strategy for breastfeeding promotion project in Bangkok. Train health personnel in lactation management.

Central America--Regional breastfeeding promotion project; assist countries to design and implement programs.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Chloe O'Gara, S&T/N, AID/W, (703) 235-9062.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Population Council, American Public Health Association, Education Development Center, Center for Population Activities, Development Associates, Cornell University and INCAP.

PROJECT: Nutrition: Vitamin A Program Support, #931-0045. Initial obligation FY 75, estimated completion FY 90. Life of project funding: $8.132 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to promote, develop, implement and evaluate national programs for the prevention of blindness in pre-school children due to vitamin A deficiency.

RESEARCH OBJECTIVES: There are three major activities to extend the understanding of both xerophthalmia and preventive approaches.

SERVICES AVAILABLE:

--Specialized training of physicians, ophthalmologists, health and nutrition workers in clinical and field assessment of vitamin A deficiency.
--Surveys to determine the prevalence of vitamin A deficiency.
--Definition of country program strategy and testing of intervention approaches.
--Development and dissemination of program guidelines, technical reports, and training aids.
--Coordination of worldwide vitamin A activities IVACG (International Vitamin A Consultative Group).

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Several monographs published by the IVACG on vitamin A usage, symptoms and signs of vitamin A deficiency, eradication of vitamin A deficiency and xerophthalmia, and biochemical methodology of the assessment of vitamin A status.

EXAMPLES OF ACTIVITY:

Indonesia--Technical assistance in defining the magnitude of vitamin A deficiency; identifying, implementing and evaluating intervention strategies; and training of country program staff.

Worldwide--Coordination of affected country, donor agency and PVO vitamin A activities.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: John I. McKigney, S&T/N, AID/W, (703) 235-9062.

CONTRACTOR/IMPLEMENTING ORGANIZATION: John Hopkins University and Nutrition Foundation.

PROJECT: Nutrition: Surveys and Surveillance, #931-1064. Initial obligation FY 77, estimated completion FY 91. Life of project funding: $6.885 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to develop appropriate methodologies and assist developing countries in the design and implementation of nutrition surveys and nutritional surveillance systems.

RESEARCH OBJECTIVES: Develop and refine appropriate approaches to nutritional surveillance in collaborating countries.

SERVICES AVAILABLE:

--Technical assistance in planning and implementation of national nutritional status surveys and nutritional surveillance methods.
--Training in surveillance concepts and procedures.
--Surveillance workshops(national, regional, international).
--Technical reports.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Four manuals on how to conduct a basic nutrition survey.
--Six technical reports on surveillance procedures and systems.
--International and regional workshop reports.
--Series of working papers.

EXAMPLES OF ACTIVITY:

Peru--Technical assistance in the design, staff training and implementation of national nutritional surveys.

Philippines--Technical and training assistance in conceptualizing, developing methodologies, trouble shooting and evaluation of nutritional surveillance systems.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: John I. McKigney, S&T/N, AID/W, (703) 235-9062.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Cornell University and Nutrition Divisions, Centers for Disease Control (CDC).

PROJECT: Nutrition: Education Field Support, #931-1065. Initial obligation FY 79, estimated completion FY 88. Life of project funding: $3.2 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to provide technical assistance to USAIDs, host country counterparts, Private Voluntary Organizations, and to the Peace Corps for the development, implementation and evaluation of the nutrition education component of sectoral programs in agriculture, health, food commodity (Title II) programs, education, etc., as well as through direct nutrition projects. Priority areas include: 1) introduction of food/nutrition concepts into secondary and university level schools in agriculture curriculum; 2) strengthening and extension of the nutrition education component of the PL480 Title II food commodity programs; 3) incorporation of nutrition education into primary health care projects; 4) strenghening and extension of mass media nutrition education programs; and 5) integration of nutrition into primary school curriculum.

RESEARCH OBJECTIVES: N.A.

SERVICES AVAILABLE:

--In-country seminars.
--Regional workshops.
--Short-term technical advisory service.
--Compendium of nutrition education programs.
--Clearinghouse for nutrition education methods.
--Surveys of nutrition education methods.
--Nutrition education pilot projects.
--Evaluations.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Basic design manual in English and Spanish for introduction of food/nutrition concepts into secondary and university level schools of agriculture curriculum.

EXAMPLES OF ACTIVITY:

Jamaica--Plan nutrition education component of Jamaican health manpower improvement project.

Honduras--Prepare multi-year health/nutrition education project proposal for CARE/Honduras.

Sudan--Develop nutrition training plan for Government of Sudan Seventh Day Adventist World Service MCH Program.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Maura Mack, S&T/N, AID/W, (703) 235-9087.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Education Development Center (EDC), and International Nutrition Communications Service (INCS).

PROJECT: Nutrition: Economic Analysis of Agriculture Policies, #931-1171. Initial obligation FY 77, estimated completion: continuing. Life of project funding: continuing.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to 1) help A.I.D. and developing countries to integrate nutrition concerns into agriculture plans and projects, and economic concerns into nutrition projects; 2) help developing countries develop national agricultural policies and plans which help promote improved consumption and nutritional status; and 3) help developing countries evaluate and improve their publicly supported food consumption subsidization programs.

RESEARCH OBJECTIVES: Research is aimed at 1) the development of methods for analyzing the consumption impacts of food and agricultural programs and policies; 2) in depth studies of the consumption impacts of agricultural policies; and 3) studies of food subsidy, ration and food stamp programs.

SERVICES AVAILABLE:

--Preparation of the food consumption/nutrition components of agricultural and food sector assessments, and projects.

--Evaluation of consumption/nutrition impacts of integrated rural development projects and agricultural policies.

--Design of national surveys of household food consumption and food expenditures, and processing and analysis of data.

--Preparation of cuuricula and training materials to incorporate consumption/nutrition concerns into agricultural plans and projects.

--Design of worksnops, seminars.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

Reports, guidelines and technical papers on the consumption effects of agriculture policies.

EXAMPLES OF ACTIVITY:

Tanzania--In depth analysis of impact of parastatal milling corporation on food consumption patterns.

Dominican Republic--Estimating the impact of two hurricanes on agricultural production, food availability and consumption for use in reconstruction planning.

Egypt--In-depth analysis of the food subsidy and ration program.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Nicolaas Luykx, S&T/N, AID/W, (703) 235-9062. (Roberta van Haeften, USDA, (202) 475-4167).

CONTRACTOR/IMPLEMENTING ORGANIZATION: USDA Office of International Cooperation and Development, Sigma One, and International Food Policy Research Institute.

PROJECT: Nutrition: Health Systems RSSA, #931-1198
Initial obligation FY 77, estimated completion: continuing. Life of project funding: continuing.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to assist developing countries to integrate nutrition components into primary health care delivery programs.

RESEARCH OBJECTIVES: N.A.

SERVICES AVAILABLE:

--Preparation and distribution of information and training materials concerning integration of nutrition into primary health care.
--Design of regional and national worksnops.
--Technical assistance in planning, implementation and evaluation of nutrition/primary health care delivery projects.
--Technical materials on breast-feeding, oral rehydration, nutrition monitoring and maternal and child nutrition.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Series of manuals on nutrition interventions and training.

EXAMPLES OF ACTIVITY:

Egypt: Planned, coordinated and provided technical back-up for the International Nutrition Planners Forum conference on Nutrition and Primary Health Care that was held in Cairo January 16-19, 1984.

Sierra Leone: Currently providing training materials and funds for the development of nutritional surveillance.

Ecuador: Continuing technical assistance is being provided for a National Workshop on Food and Nutrition Policy, Plans, Programs and Projects sponsored by the Ministry of Health, National Planning Council (CONADE), and the Secretariat for Integrated Rural Development (SEDRI).

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Nicolaas Luykx, S&T/N, AID/W, (703) 235-9062.

CONTRACTOR/IMPLEMENTING ORGANIZATION: DHHS, Office of International Health. Subcontractor: Logical Technical Systems, Inc.

PROJECT: Functional Implications of Malnutrition (CRSP), #931-1309. Initial obligation FY 81, estimated completion FY 87. Life of project funding: $11.8 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to determine the effect various levels of food intake have on basic human functions such as disease resistance, reporduction, work performance, cognitive development and social competence. The results should help technical specialists and policy makers in the Third World understand the nature of nutritional needs of populations so that more effective policies and interventions may be devised.

RESEARCH OBJECTIVES: This is a joint 6 year research program being undertaken in three developing areas: Mexico, Egypt and Kenya.

SERVICES AVAILABLE: N.A.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: Annual reports.

EXAMPLES OF ACTIVITY: Food intake, morbidity, activity, cognitive and other data collected in three country sites.

GEOGRAPHIC SCOPE: Mexico, Egypt, and Kenya.

S&T PROJECT OFFICER: Samuel G. Kann, S&T/N, AID/W, (703) 235-9087.

CONTRACTOR/IMPLEMENTING ORGANIZATION: University of California, Berkeley (Grantee); Purdue University, University of Arizona, Kansas University, University of Connecticut, and UCLA (Subgrantees).

Bureau for Science and Technology

DIRECTORATE FOR ENERGY AND NATURAL RESOURCES

(S&T/EN)

Directorate for Energy and Natural Resources

OFFICE OF ENERGY

(S&T/EY)

PREVIOUS PAGE BLANK

PROJECT: Energy Technical Service Support, #936-5702. Initial obligation FY 78, estimated completion - continuing. Life of project funding: continuing.

PURPOSE/APPROACH/DESCRIPTION: This activity is designed to assist LDCs and AID Missions in energy project planning and technology choice through a full range of technical consultation, evaluation and management services. Assistance is provided to improve conventional and non-conventional energy technologies and to adopt energy conservation approaches. This is accomplished through short-term professional, scientific and technical consultants in response to expressed AID Mission and LDC needs for advice on energy program planning and technology.

RESEARCH OBJECTIVES: N/A

SERVICES AVAILABLE:

--RSSA with DOE; cost sharing arrangements can be made between AID/W and AID/Missions and LDCs.
--Project-related technical assistance, including project identification and development.
--Evaluation.
--Training.
--Information dissemination activities such as workshops.
--Special Studies.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Synthesis Paper for the UN Conference and New and Renewable Sources of Energy.

EXAMPLES OF ACTIVITY:

Liberia--The services of Oak Ridge National Laboratory were provided for energy planning assistance.

Egypt--A team of experts from Argonne National Laboratory was sent to consult with and assist both the Mission and the Government of Egypt in identifying areas of priority for data collection, energy policy analysis, energy management, manpower and training requirements for the long-term development of the Egyptian energy planning capability.

PREVIOUS PAGE BLANK

India--The services of Argonne National Laboratory were provided to the Asia Bureau to work on the technical design of the energy conservation element of a $5 million energy project with the Government of India.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Shirley A. Toth, S&T/EY, AID/W, (703) 235-8918.

CONTRACTOR/IMPLEMENTING ORGANIZATION: U.S. Department of Energy (DOE).

PROJECT: Low Cost Technology for Rural Poor 936-5701. Initial obligation FY 79, estimated completion FY 87. Life of project funding $6.8 million.

PURPOSE/APPROACH/DESCRIPTION: To advance the development, transfer, and dissemination of alternative energy technologies for the benefit of the poor in the LDCs.

RESEARCH OBJECTIVES: None

SERVICES AVAILABLE:

--Technical information by mail.
--On site consulting for design, maintenance, operations and evaluation of renewable energy technologies and applications.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Understanding Stirling Engines (TP # 1: 05/84).
--Understanding Biogas Generation (TP # 4:06/84).
--Understanding Ethanol Fuel Production and Use (TP #3:06/84).

EXAMPLES OF ACTIVITY:

--Evaluation of water pumping wind mill system in Honduras.
--Evaluation of large scale commercial manufacturing of charcoal in Sri Lanka.

GEOGRAPHIC SCOPE: World-wide.

S&T PROJECT OFFICER: S. Schweitzer (202) 235-8918.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Volunteers in Technical Assistance (VITA), 1815 North Lynn St. Suite 200, Arlington VA 22205.

PROJECT: Bioenergy Systems and Technology (BST) 936-5709. Initial obligation FY 79, estimated completed date FY 87. Life of project funding $8.1 million.

PURPOSE/APPROACH/DESCRIPTION: The project purpose is to promote the development of economic sources of energy based on biomass resources (wood and wood wastes, energy crops, agricultural residues, etc.). The approach is to assist AID missions, on request, to develop and implement technical assistance, research and field activities in bioenergy. The BST project also sponsors research and informational activities on technical, economic and institutional aspects of bioenergy development, both independently and with other international assistance agencies.

SERVICES AVAILABLE:

--RSSA with TVA.
--Project-related technical assistance, including project development; cost sharing arrangements possible.
--Evaluation and special studies.
--Workshop/Technical Information activities.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--State-of-the-Art reports on bioenergy technology.
--Bioenergy Systems Reports (Quarterly).
--Wood for Energy and Rural Development, Frank Denton.

EXAMPLES OF ACTIVITY:

Costa Rica--Development of a 150 kw off-grid wood energy demonstration project based on gasification technology; in conjunction with Mission and national electric utility.

Jamaica--Assessment of feasibility of increased cane productivity and large-scale electricity production based on combustion of bagasse in Jamaican sugar industry; in conjunction with Mission and GOJ.

Philippines--Support of applied research in small gasifier systems; in conjunction with Mission and Farm Systems Development Corporation.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Paul Weatherly, S&T/EY, AID/W (703) 235-8902.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Tennessee Valley Authority (TVA) and others.

PROJECT: Conventional Energy Technical Assistance 936-5724. Initial obligation FY 80, estimated completion date FY 87. Life of project funding $ 13.75 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to assist host countries to reduce the importation of petroleum through the development and utilization of indigenous fossil energy resources. Project activities are selected to focus on initiation of opportunities to achieve reduction in petroleum import, and to carry them forward until such time as Mission programs, the activities of other donors, or leading activities of development banks can accomodate funding needs. All forms of fossil energy resources are addressed - oil, natural gas, coal, peat, oilshale, and tar sands - as well as geothermal. Existing and emerging energy conversion and utilization technologies are evaluated for adaption and application in host countries. Host country activities are undertaken with Mission concurrence.

RESEARCH OBJECTIVES: Specific researcch tasks are authorized for fossil energy exploration, production, conversion, and utilization technologies when need arises to understand the state-of-the-art and to determine readiness to adapt or apply in a host country. Results are used as inputs to the selection and design of specific project activities. Research on implementation techniques may also be undertaken.

SERVICES AVAILABLE:

--RSSA with the U.S. Geological Survey and with DOE.
--Ad hoc advisory services to Missions in specifically defined tasks.
--Reconnaisance surveys aimed at identification and agreement for host-country technical assistance sub-projects.
--Information dissemination activities such as workshops.
--Assistance in Mission project paper preparation.
--Special studies related to project purpose.
--Management of host-country subprojects.

KEY PUBLICATIONS AVAILABLE FROM S&T/EY:

"Assessment of Technological Readiness - Routes from Natural Gas to Transport Fuels."

EXAMPLES OF ACTIVITY:

Pakistan--Assistance to identify the Lakhra Coal-Fueled Power Plant Project.

Philippines--Feasibility of Introducing Coal-Water-mix fuels to the Philippines.

Sudan--Technical and Equipment Basis for Rehabilitation of the Blue Nile Grid.

Morocco--Assistance to ONAREP to develop the national natural gas resource.

Worldwide--Indian Experience in utilizing Smokeless Fuel Briquets prepared from coal as a substitute for fuelwood.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Charles Bliss, S&T/EY, AID/W, (703) 235-8902
(Alternate) Alberto Sabadell, S&T/EY, AID/W, (703) 235-8918

CONTRACTOR/IMPLEMENTING ORGANIZATION: FY 81-84: Bechtel National, Inc., San Francisco.
FY 85 +: Procurement of Services in FY 85.
Roster of IQCs.
U.S. Geological Survey.

PROJECT: Energy Policy Development and Conservation 936-5728. Initial obligation FY 82, estimated completion date FY 1989. Planned life of project funding $14.1 million. ($8.0 million authorized through FY 86.)

PURPOSE/APPROACH/DESCRIPTION: The purpose of the project is to provide technical assistance to LDCs aimed at improved energy policy-making; institutional development for organizations engaged in energy analysis, planning and policy development; creation and implementation of programs to improve the efficiency of energy use in key economic sectors; and advancement of the state of the art and the communication among professionals of different countries in these fields. Activities under the project include training, collaborative studies, short- and long-term in-country advisory services, policy research, publications, conferences and workshops, and technical services to improve energy efficiency in industry, transportation, electric power generation and buildings.

RESEARCH OBJECTIVES: The Energy Policy Research Grant Program under the project aims to address key policy issues involved in helping countries obtain adequate, affordable, sustainable energy supplies to fuel economic growth and development. Issues addressed in work now in progress (funded through 1983 and 1984 grants competitions) include energy pricing policies, the interaction of policies in the energy and agriculture sectors, transportation policies as they affect energy demand, fuelwood-related policies and the interaction between traditional and conventional fuels; tax and investment policies as they affect private investment in energy supply, etc.

SERVICES AVAILABLE: Assistance to USAID Missions in assessing the energy implications of their programs and project portfolios, and in evaluating the broader energy/economic interactions in their countries for CDSSs, PIDs, PPs, and evaluations; technical assistance to host governments and non-government organizations concerned with energy analysis and planning; resident or short-term advisory services from a broad network of contractor personnel; energy conservation services including energy audits, hands-on training, cost/benefit analysis of proposed conservation measures, advice on financing energy conservation investments, and design of national energy conservation programs; annual competition for policy research grants not to exceed $50,000.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Reports of the Energy Conservation Services Program, including occasional summaries of project activities under the heading UPDATE.

--A report entitled "Innovative Approaches to Financing Energy Conservation Investments."

--Reports of activities in specific countries including Morocco, Sudan, Liberia, Costa Rica, Sri Lanka, Ecuador and others.

--Documentation for computer software developed under the project, including EnVest, an energy investment planning model developed under the project's assistance program in Morocco, and ECPIE, or Energy Conservation Project Investment Evaluation, developed under the Energy Conservation Services Program.

EXAMPLES OF ACTIVITY:

--Long-term programs of technical assistance with energy planning and policy development in Morocco and Sudan.

--Programs of energy audits and related training and curriculum development to promote energy conservation in Sri Lanka and Ecuador.

--Assistance to Missions in development and implementation of projects in energy planning and conservation in the Philippines and Pakistan.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Pamela Baldwin, S&T/EY, 703-235-8918.

CONTRACTOR/IMPLEMENTING ORGANIZATION: For the Energy Conservation Services Program: Hagler, Bailly & Company, Henri-Claude Bailly, President, (202-463-7575); for coordination of technical assistance in energy planning and policy development: Energy Division, Oak Ridge National Laboratory, Thomas Wilbanks, Associate Director, 615-754-5515; diverse individuals and firms for specific policy studies and in-country activities.

PROJECT: Conventional Energy Training 936-9997. Initial obligation FY 81, estimated completion date FY 88. Planned life of project funding $16.525 million. ($14.65 million authorized through FY 86.)

PURPOSE/APPROACH/DESCRIPTION: To increase LDCs' technical capability to develop and utilize indigenous conventional energy sources (fossil fuels and non-nuclear electricity). Key activities are providing support to participants in academic and technical training programs, primarily in the U.S. Placements are made at universities (M.S. degree level), private energy companies, non-profit institutions and national laboratories for training of two months' to two years' duration. The program supports approximately 150 participants per year, about 40% in academic programs. Special courses are commissioned to fill gaps in available training opportunities to meet specific needs.

RESEARCH OBJECTIVES: The project has no specified research objectives; however, a "training impact assessment" will be undertaken in FY 85 to determine the extent to which the project is contributing to alleviation of a key constraint to indigenous energy development in AID-assisted countries, namely the shortage of technically qualified personnel.

SERVICES AVAILABLE:

--Placement services for academic and technical training programs (including individually-tailored internships).

--Financial support for tuition, living expenses, health insurance, books, etc.

--Counseling on logistical and technical aspects of training programs.

--Substantive support to new course development and evaluation of existing courses.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None at present; report on "training impact assessment expected June 1986.

EXAMPLES OF ACTIVITY:

--Tennessee Valley Authority courses on a) Energy Conservation for Utility and Industrial Engineers, and b) Electric Utility Engineering.

--International Petroleum Consulting Services course on Fundamentals of Petroleum Geology, Engineering and Economics.

--Internship in coal-fired electricity generation for two Sri Lankan employees of Ceylon Electricity Board with Pennsylvania Power & Light.

--Academic degree programs in engineering subjects, physical and social sciences.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Pamela Baldwin, S&T/EY (703-235-8918).

CONTRACTOR/IMPLEMENTING ORGANIZATION: Institute of International Education (202-898-0305.

PROJECT: Small Decentralized Hydropower 936-5715. Initial obligation FY 80, estimated completion date FY 87. Life of project funding $5.5 million.

PURPOSE/APPROACH/DESCRIPTION: Provide technical assistance in small decentralized hydropower development, through Missions, to host country governments and private sector.

RESEARCH OBJECTIVES:

--Encourage host ccountry private sector role.
--Establish critical information networks.
--Provide technical advisory service.
--Strenthen institutional and individual capacity.

SERVICES AVAILABLE:

--Training; Study Tours.
--Workshops and Seminars.
--Country Surveys.
--Site Specific Surveys.
--Management Assistance.
--Private Sector Assistance.
--Consulting Services.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Catalog of Rural Electric Utility and Small Hydropower Training Program (PN-AAO-567).
--Project Evaluation Summary - Small Decentralized Hydropower (PD-AAP-617)

EXAMPLES OF ACTIVITY:

--Recommendations for promoting small hydropower development in Indonesia (March '84).
--ASEAN Hydrology/Small Hydro Training Course in Manila (October-November 1984).

GEOGRAPHIC SCOPE: World-wide.

S&T PROJECT OFFICER: S. Schweitzer (202) 235-8918.

CONTRACTOR/IMPLEMENTING ORGANIZATION: National Rural Electric Cooperative Association (NRECA), 1800 Massachusetts Ave. NW, Washington, DC 20036.

Directorate for Energy and Natural Resources

OFFICE OF FORESTRY, ENVIRONMENT

AND NATURAL RESOURCES

(S&T/FNR)

PREVIOUS PAGE BLANK

PROJECT: Environment and Natural Resources Expanded Information Base, #931-1209. Initial obligation FY 79, estimated completion FY 87. Life-of-project funding: $2.99 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to provide improved scientific and technical information on environmental and natural resources management to LDC institutions and AID that will develop the capability to plan, design and implement projects which meet economic objectives without degrading natural resources. The project has four sequential components: review papers, case studies, design aids (organized around the biogeographic provinces most prevalent in LDCs), and information transfer and dissemination.

RESEARCH OBJECTIVES: Review papers (such as the humid tropics) and case studies (such as those on coastal areas and rangelands) will identify research needs related to natural resources management.

SERVICES AVAILABLE:

--In-country training and human resource development.
--Training materials for LDC review.
--Project design aids available for project design that is environmentally benign and ecologically sound.
--Distribution to individuals and organizations in LDCs of the Natural Resources Technical Bulletin which provides information that is relevant to the identification, prevention and solution of natural resource problems in LDCs.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Ecological Aspects of Development in the Humid Tropics (NAS).
--Legal, Regulatory and Institutional Aspects of Environmental and Natural Resources Management in Developing Countries (IIED).
  --"A Country Study of Venezuela."
  --"A Country Study of Sudan."
  --"A Country Study of Ghana."
  --"A Country Study of Malaysia."

PREVIOUS PAGE BLANK

EXAMPLES OF ACTIVITY: This project has provided decision makers in about 50 developing countries throughout Asia, Africa, Latin America and the Near East with technical information regarding critical environmental and natural resource problems. A Natural Resources Technical Bulletin and state-of-the-art papers are being used by AID and developing countries to improve the planning and implementation of natural resources management programs and projects. A document on the ecology of humid tropics was used as a primary reference by the directors of forestry research institutions at the Regional Workshop for Forestry at the East West Center, August 1982; and The World Bank held a seminar on the humid tropics (January 1983) using the ecology of humid tropics volume as the substantive base.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: William D. Roseborough, S&T/FNR, AID/W, (703) 235-9003.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Hugh Muller, International Affairs Branch, National Park Service, Department of Interior, Washington DC 20240.

PROJECT: Environmental Planning and Management, #936-5517. Initial obligation FY 82, estimated completion FY 87. Life-of-project funding: $4.25 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to strengthen the institutional capacity available to and within LDCs to plan and manage natural resources. The project will include work with Missions on short- to medium-term activities in environmental profiling and natural resources assessments; implement a pilot project to develop a national conservation strategy in selected LDCs; disseminate analyses of LDC environmental issues based upon field experience, and assist LDCs to plan natural resources assessments.

RESEARCH OBJECTIVES: The process of planning country natural resources assessments will identify research needs. Insights from the pilot activity (and studies based on the field experience) will identify topics for future research with empnasis on describing how to institutionalize environmental planning and natural resource management capacity.

SERVICES AVAILABLE:

--Short- to medium-term cooperative activities with Missions to assist in project design and planning environmental profiles. Regional Bureaus share in design of each year's activities and, within the LOP, can use Regional Bureau or Mission funds. Requests can be routed through Regional Bureau Environmental Officers or the Environmental Planning Management Project Manager.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Gerald A. Lieberman, "Draft Plan for the Development of a Private Sector Initiative in Natural Resource and Environment Programs in the Repuolic of Panama," April 1983.
--James J. Tarrant and Dr. Kenneth L. Reed, "Design of a Population and Environment Information Management System for Indonesia."
--Richard S. Brightman and H. Jeffrey Leonard, "Environmental Laws and Institutions in Belize."
--Kenneth L. Reed, et. al. "A Bibliography of Models Applicable to USAID Missions."
--Joshua C. Dickinson III, "The Country Environmental Profile: Process and Product, An Evaluation of the Profiles conducted prior to 1983 and Recommendations for Improvement."

EXAMPLES OF ACTIVITY:

Honduras--Assisted preparation of a project proposal to increase private sector effectiveness in natural

resource management and environmental conservation programs.

Panama--Assisted preparation of a project proposal for strengthening the capacity of local PVOs carrying out natural resource and environmental programs.

Belize--Prepared coastal and marine resources section and legal/institutonal section of Belize Environmental Profile.

Lebanon--Prepared information package on zoo development and management.

Indonesia--Provided technical assistance in water quality management related to Indonesian Environmental Sector Review. Prepared framework for development of Phase II Indonesian Environmental Profile; Assisted Government of Indonesia in assessing natural resource data system requirements related to phase II Environmental Profile.

AID/W--Review of the Environmental profiling process, its methodology and utilization. Investigated effective strategies of AID, Canadian International Development Agency (CIDA), and World Bank in forestry sector.

AID/NE--Developed curriculum in environmental law at the new International Development Law Institute (Rome) for the training of Near Eastern and African lawyers and development planners.

Asia--Assisted preparation of large scale program approach to Bioresource Systems in Asia, including Asian institutions, analytical and modeling capabilities, training and assistance to Asia Bureau's Forest and Bioresources Systems Management project.

Africa--Assisted planning of video-tape to explain dynamics of river basin planning.

Cameroon--Explored with Mission environmental problems associated with rapid urbanization.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Ming Ivory, S&T/FNR, AID/W, (703) 235-2248.

CONTRACTOR/IMPLEMENTING ORGANIZATION: International Institute for Environment & Development (IIED), 1319 F Street, Washington, D.C. 20004; ATTN: Steven Berwick.

PROJECT: Coastal Resources Management, #936-5518. Planned initial obligation FY 85, estimated completion date FY 89. Life-of-project funding, $5 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to demonstrate through Pilot Programs the economic benefits of coastal resources planning and management in selected LDCs. Technical assistance will be directed at increasing the capacity of individual professionals and institutions in host countries to develop a planning system that identifies and resolves conflicts resulting from multisectoral pressures in coastal areas.

RESEARCH OBJECTIVES: This project will include research needed to formulate coastal resource development policies and resource exploitation plans. Research may be scientific, including such topics as the effects of mangrove forest management on fisheries productivity; or policy analysis, including such topics as type of legislation needed to address the country's existing coastal resource problems; or economic, including such topics as quantification of particular losses attributable to inadequate coastal resource use planning or quantification of contribution of coastal resources to the national economy.

SERVICES AVAILABLE:

--Project related technical assistance.
--Training for LDC professionals.
--Information dissemination.
--Development of coastal zone regulations and a coastal zone management plan.
--Regional Outreach activities.
--Institution-building activities to create an inter-agency review committee for coastal zone development planning.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Evaluation reports of each Pilot Program.

--End-of-project, professionally-written report that discusses in general the prospects for coastal resources management in developing countries.

--Two professionally written reports, (a) one available in FY 85, an account of Sri Lanka's

successful development, over a 20-year period, of coastal management legislation and the mandate to prepare a plan with emphasis on lessons applicable to other LDCs; and (b) one available at end-of-project, of the drafting and implementation of the national CRM plan, including AID's role, and designed to be widely distributed to other LDCs and used in regional CRM workshops.

EXAMPLES OF ACTIVITY:

Ecuador--A three-year pilot program will lay the groundwork for creating a system to manage Ecuador's coastal resources. The program will focus on development and management problems in the shrimp-pond industry. Inventories will be made of coastal and marine resources, the relationship between mangrove forests and shrimp productivity studied and host country participants will be given training in workshops and regional work-study tours.

Sri Lanka--A four-year pilot program will provide Sri Lanka with technical assistance to prepare and implement a coastal resources management plan. Research will be carried out by Sri Lankan universities and professionals on topics related to developing and implementing a coastal resources management plan. Host country technicians and decision makers will be trained and tools will be designed to transfer information to other LDCs desiring an administrative procedure for managing their coastal resources.

Indonesia or Thailand--A four-year pilot program will follow the model described for Ecuador.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Caldwell Hahn, S&T/FNR, AID/W, (703) 235-2827.

CONTRACTOR/IMPLEMENTING ORGANIZATION: To be determined.

PROJECT: Forest Resources Management, #936-5519. Initial Obligation FY 80, estimated completion FY 90. Life-of-project funding: $19.821 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to enable LDCs to manage their forests, woodlands, range and other wildland resources to meet the needs of people for sustained increases in the production of forest products. The project mobilizes the public and private professional forestry community and the Peace Corps (PC) in support of the AID forestry assistance program through AID's USFS-managed Forestry Support Program (FSP). RSSA Activities provide support for: (1) LDC forestry institution building; (2) forestry research; (3) mobilization of LDC and U.S. private industry and university capabilities for advancing LDC forest-based economic development objectives; (4) support for forestry training; (5) building and strengthening mutually supportive relationships between forestry and agriculture; (6) LDC efforts to meet their energy and fuelwood needs through forestry; and (7) specific and focused investigations into the role of the private sector in forestry development and management.

In addition, this project provides global technical assistance and collaboration with the Peace Corps through a PASA to respond to LDC forestry needs.

RESEARCH OBJECTIVES: The Forestry Support Program provides support for designing and implementing forest research components within Mission projects.

SERVICES AVAILABLE:

--Provide AID's Regional Bureaus, Regional Offices and field Missions with technical advice on tropical forestry and natural resources, including advice on project design and feasibility.

--Manage a roster of forestry and natural resources expertise which is used to identify qualified individuals for long-term or short-term AID or cooperative AID/Peace Corps assignments overseas.

--Identify and evaluate qualified forestry institutions for participation in AID forestry projects.

--Provide general forestry information to AID and Peace Corps staff and facilitate the exchange of technical information between natural resources project personnel.

--Organize forestry training courses, develop training materials and aids, advise overseas forestry schools on curriculum design, and assist AID in designing adequate training components into forestry projects.

--FSP can provide a limited number of short-term technical consultants to AID field projects at no cost to country Missions.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Thorud, David. Consultant Report - USAID Jamaica, 1981.

--Harcharik, David A. FSP Consultant Report - USAID Haiti, 1981.

--Schram, Gunter, FSP Consultant Report - USAID Jamaica, 1981.

--Gall, Pirie. FSP Consultant Report - Peace Corps Forestry Workshop, Costa Rica, 1981.

--Kunkle, Samuel H. Improving Linkages of Forestry Professionals with USAID's Forestry Programs--the U.S. connection (presented at Society of American Foresters Convention), 1981.

--Zerbe, J.I., J.L. Whitmore, K.A. Christophersen, H.E. Wahlgren, and J.F. Laundrie, 1981. Problems Associated with Fuelwood Use in Developing Countries. Session No. 30: Tropical Woods. Forest Products Research Society Annual Meeting, St. Paul, Minn., June 25, 1981.

--Profile of U.S.A. Forestry Schools & Consortia. Based on work of Richard T. Kelly. This directory summarizes the forestry education available from U.S. forestry schools & colleges. USAID/USDA RSSA BST-5519-R-AG-2188, January 1984.

--Public Sector Forestry Projects Funded by USAID. Based on work of Paul A. Lundberg. This report provides an overview of USAID Forestry project activity & lists, with a brief description, the projects by region & country. September 1983.

EXAMPLES OF ACTIVITY:

Africa, Asia, LA & Caribbean: --Support for Mission public sector forestry projects and projects with forestry components in 35 countries. Collaborative AID/PC projects underway in nine countries and four in-country forestry training programs.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Dan Deely, S&T/FNR, AID/W, (703) 235-2245.

CONTRACTOR/IMPLEMENTING ORGANIZATION:

Program Manager, Forestry Support Program, USDA Forest Service, Room 606-A RPE, PO Box 2417, Washington DC, (703) 235-2432.

George Mahaffey, Forestry and Natural Resources Program Coordinator, Peace Corps, 806 Connecticut Ave. NW, Washington DC 20525, (202) 254-8400.

PROJECT: Agroforestry Research & Training, #936-5545. Initial Obligation FY 82, estimated completion date FY 85. Life-of-project funding: $1 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to assist LDCs to better manage their natural resources and to increase forestry's contribution to the production of food, fodder, fuelwood, water and shelter by supporting research and development in agroforestry farming systems. The project will evaluate the impact of agroforestry land-management options, train LDC personnel in the use of a methodology for diagnosing land-use problems, and expand and strengthen the international system of cooperating agroforestry research and development institutions.

RESEARCH OBJECTIVES: To develop a methodological tool for diagnosis of land-use problems in marginal lands and design agroforestry systems.

SERVICES AVAILABLE:

--Training in agroforestry research techniques.
--Use of agroforestry systems register and data bank.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Curricula and audio/visual materials for training in agroforestry research and technology.
--Agroforestry systems register and data bank.

EXAMPLES OF ACTIVITY:

Africa & Asia--training in agroforestry research techniques.

Worldwide--The diagnostic tool, publications, training material and courses curricula will be available for use after experimentation and modification.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Mike Benge, S&T/FNR, AID/W, (703) 235-5918.

CONTRACTOR/IMPLEMENTING ORGANIZATION: International Council for Research in Agroforestry (ICRAF), P.O. Box 30677, Nairobi, Kenya

PROJECT: Forestry/Fuelwood Research and Development, #936-5547. Initial obligation FY 85, estimated completion FY 95. Life-of-project funding: $40 million. (S&T/RD completion date FY 89, LOPF for RD: $3 million.)

PURPOSE/APPROACH/DESCRIPTION: This project is designed to build LDC capacity to develop and use scientific information (basic and applied) in ways which will enable them to address their own forestry/fuelwood needs.

RESEARCH OBJECTIVES: Foster specific priority forestry/fuelwood research; strengthen national, regional and inter-regional forestry/fuelwood research capability through applied research and networking; and establish regional and interregional research networks to enhance and improve effectiveness of the research program.

SERVICES AVAILABLE:

--Network Development: improve research methods and information management; develop and monitor agreed-upon collaborative research programs; conduct workshops and conferences and support publication of results.

--Research Planning and Management: assist Missions and regional bureaus in promoting development of country-specific national fuelwood/forestry plans and programs; provide training and other assistance to strengthen key LDC institutions to carry out strategic forestry/fuelwood research and development plans.

--Global Research: publish research results; develop state-of-the-art papers; integrate biophysical and socio-economic knowledge.

--Research Support: supply expertise, mostly short-term, to host countries to assist them in project design and management; do fuelwood research assessments, appraisals and evaluations, and institutional and human resource evaluation.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None to date.

EXAMPLES OF ACTIVITY:

--Human Factors in Forestry/Fuelwood Production Workshop, Washington, DC, February 1984.

--Asia Forestry Planning Conference, Bangkok, Thailand, April 1984.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Max McFadden, Manager, S&T/FNR/F, AID/W (703) 235-2245.
J. Kathy Parker, Senior Technical Advisor, S&T/RD/RRD, AID/W, (703) 235-8860.

CONTRACTOR/IMPLEMENTING ORGANIZATION: To be determined.

Bureau for Science and Technology

DIRECTORATE FOR HUMAN RESOURCES

(S&T/HR)

Directorate for Human Resources

OFFICE OF RURAL AND INSTITUTIONAL DEVELOPMENT

(S&T/RD)

PREVIOUS PAGE BLANK

PROJECT: Small Enterprise Approaches to Employment--PISCES Component, #931-1090. Initial Obligation FY 78, estimated completion Fy 90. Life of project funding: $2,528,000; SUB-PROJECT, $1.1 million.

PURPOSE/APPROACH/DESCRIPTION: To identify effective approaches to assisting micro-enterprises (typically owner operated and family run enterprises with less than five employees) and self employed workers engaged in production, trade, and service activities in the informal sector. Phase I of PISCES consisted of case studies of 25 indigenous projects which provide effective assistance to informal sector and very small enterprises. Phase II focuses on designing, implementing, and evaluating four cooperating country demonstration assistance projects reviewed in Phase I. The purpose is to improve the effectiveness, increase the outreach, and reduce the cost of providing inputs to informal sector businesses, which make up perhaps the largest number of private sector enterprises in LDCs and employ from 30% to 60% of the labor force.

RESEARCH OBJECTIVES: To increase employment opportunities, incomes, and enterprise viability in the non-farm, small enterprise sector in LDCs by working with NGOs and PVOs to upgrade their capacity to establish small enterprises. The project, using learning from both PISCES and SBCD, will work to identify training needs of NGOs/PVOs to improve their level of success. In a second component, the effectiveness and outreach of small business support institutions will be researched in order to identify strategies for meeting their assistance needs.

SERVICES AVAILABLE: The PISCES team provides technical assistance to USAID and host country institutions in designing, implementing, establishing monitoring systems and evaluating micro-enterprise assistance activities. Reports on PISCES project findings are available through ST/RD/ESE.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: Farbman, Michael ed., Jeffrey Ashe et al., The PISCES Studies: Assisting the-Smallest Economic Activities of the Urban Poor. USAID, Office of Urban Development, September, 1981.

PREVIOUS PAGE BLANK

EXAMPLES OF ACTIVITY: The PISCES II contractors work with local non-governmental organizations (NGOs) involved in projects assisting micro-enterprise development. The PISCES team, in collaboration with USAID field missions, assists local NGOs in designing, implementing, and evaluating micro-enterprise development projects. Monitoring and data collection systems are set up and operated by the NGO staff. The PISCES team analyzes the data on project performance on an ongoing basis. At the end of PISCES Phase II, the team will write up case studies of the four demonstration projects and a synthesis report summarizing findings and conclusions on effective approaches to assisting micro-enterprise development.

Dominican Republic -- This PISCES demonstration project has two parts: 1) a "solidarity group" component that provides group credit to hawkers to buy, rather than rent, pedal carts for the transportation and sale of goods; and 2) a "micro-enterprise" component that assists small artisan manufacturers with 2-3 employees through credit and technical assistance in bookkeeping, costing, and marketing.

Kenya -- This pilot project provides managerial and financial assistance to the smallest enterprises in the informal sector in 5 secondary cities in Kenya. It is being implemented as part of a comprehensive community development effort which facilitates self-help development within very poor communities.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Carol Adoum, S&T/RD/ESE, AID/W, (703) 235-8881.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Jeffrey Ashe, ACCION, 10-C Mount Auburn Street, Cambridge, Mass., 02138, (617) 492-4930.

PROJECT: Performance Management-Small Business Capacity Development (SBCD) Project, #931-5317.40. Initial obligation FY 83, estimated completion FY 85. Life of project funding: $501,000.

PURPOSE/APPROACH/DESCRIPTION: To assist USAID missions to develop programs to support organizations working to assist small businesses. Technical assistance provided by PfP/I will result in a systematization of strategies and methods used to support small businesses and the institutions assisting them. Activities may include small business project design and evaluation, field implementation assistance, and short-term consultancy and assignments for private and public management applications for microcomputers. (Micro-computer activities are usually sponsored under a subcontractor with Thunder and Associates, Inc., a sub component managed in the Development Administration Division of ST/RD).

RESEARCH OBJECTIVES: To strengthen small business support organizations to upgrade their ability to provide assistance to small enterprises and businesses by researching various types of intermediary institutions and providing overviews of their capabilities and areas of specialization.

SERVICES AVAILABLE: Short and long-term technical assistance supported by mission funding is provided through PfP/I contract which has unusually easy mechanism to access services.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: Four to five institutional profiles will be published in FY 85 describing particular small business support organizations such as financial institutions (banks, development foundations), representational associations (chambers of commerce, small business associations), business service agencies (private consulting firms, ministries of commerce), PVOs (international and indigenous), and universities/training institutes, and their modes of strengthening small enterprises.

EXAMPLES OF ACTIVITY:

Philippines: PfP/I assisted in the predesign phase for the Private Sector Support System Project intended to complement existing small enterprise promotion programs in rural areas.

Dominican Republic: Contributed to an evaluation of the micro-enterprise program implemented by FDD/PRODEME. The focus of the evaluation was on institutional design and methodological approaches of the program.

Haiti: Assisted mission in designing a private management center for small business, including management training and financial packaging services for clients.

Somalia: Assessed current training institutions and programs for small enterprise development especially as an avenue for self-reliance among the refugee population.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Carol Adoum, S&T/RD/ESE, AID/W, (703) 235-8881.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Shari Berenbach, Partnership for Productivity/International, 2001 S Street, N.W., Suite 610, Washington, D.C., 20009, (202) 234-0340.

PROJECT: Employment and Enterprise Policy Analysis, #936-5426. Initial Obligation FY 84, estimated completion FY 88. Life of project funding: $7,820,000.

PURPOSE/APPROACH/DESCRIPTION: To foster reform of employment and industrial policies where this is needed to achieve improved utilization of labor and other resources in cooperating countries. The project is principally concerned with helping to eliminate policy biases against labor-intensive production and smaller-scale enterprise. Under this new project AID will be able to provide assistance to USAIDs and host governments in analyzing employment and industrial policies. Assistance will be provided through short-term and long-term consultancies, by adding policy analysis components to other AID projects, through creation of and technical assistance to host country policy analysis units, and by workshops to discuss related policies and research with host country experts and decision-makers.

RESEARCH OBJECTIVES: The project will develop methodologies for policy analysis, and increase the knowledge base regarding the development and reform of policies affecting employment and enterprise performance. These research results will be actively disseminated particularly to persons and institutions engaged in "policy dialogue."

SERVICES AVAILABLE: The project will provide short-term analytical assistance to missions in project identification and implementation, for strategy formulation with respect to industrial development and/or employment creation, and in support of "policy dialogue"; long-term technical assistance in support of development of institutional capacity in host country private and public sector organizations to carry out policy analysis on a continuing basis; and research, training and dissemination services relating to knowledge building and diffusion relative to employment and enterprise policy analysis.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: New project--none to date.

EXAMPLES OF ACTIVITY: New project--none to date.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Michael Farbman, S&T/RD/ESE, AID/W, (703) 235-8881.

CONTRACTOR/IMPLEMENTING ORGANIZATION: To be determined.

PROJECT: Entrepreneur and Small Enterprise Development, #936-5314. Initial obligation FY 83, estimated completion FY 85. Life of project funding: $950,000.

PURPOSE/APPROACH/DESCRIPTION: To develop a global methodology for identifying and selecting high success-potential LDC entrepreneurs through achievement of research objectives to improve the capacity of AID, other donors, and host country institutions to promote the entrepreneurship factor of production in order to stimulate small-medium enterprise development in LDCs.

RESEARCH OBJECTIVES: The project will provide an expanded capability for applied research and diagnostic services relating to entrepreneur and small-scale enterprise development. It will test and validate methodologies and approaches which will allow LDCs to effectively: a) identify aspiring entrepreneurs having high-success potential, b) identify small enterprises having high-success potential for expansion, and c) assess the utility and relevance of behavioral training as a tool for entrepreneur development.

SERVICES AVAILABLE: Limited initially -- (1) Research in target countries may stimulate requests by host missions for ad hoc services, which would be funded by that mission; (2) There will be a workshop in one of the target countries for each year of the project. (Interested USAID staff are welcome -- at their own expense. Contact L. Faoro for schedule).

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None so far. Project will contribute significant literature and data to the state of the art.

EXAMPLES OF ACTIVITY: Indigenous interviewers, trained by the contractors, are gathering data related to successful entrepreneurs and enterprises and will soon begin processing the data under the contractor's supervision. In India and Ecuador this process is well underway. In Malawi interviewer training is now in progress. In addition, discussions are being held with one Near East country regarding their possible inclusion in the project.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Lou Faoro, S&T/RD/ESE, AID/W, (703) 235-8881.

CONTRACTOR/IMPLEMENTING ORGANIZATION: McBer and Company, Boston, Mass., Management Systems International, Washington, D.C.

PROJECT: Employment Research Project, #936-5429. Initial obligation FY 85, estimated completion FY 94. Life of project funding: $4,900,000.

PURPOSE/APPROACH/DESCRIPTION: Through focusing worldwide on common employment research problems, mobilizing additional resources, and supporting and facilitating coordination of otnerwise independent research, this project will:

1) Increase the level, quality and focus of resources available for priority employment and productivity research.

2) Strengthen the international employment R&D network that meets demands by missions and regional bureaus for improved information concerning employ- ment and productivity in developing countries.

3) Enhance topical collaboration and research efficiency (including non-duplication of efforts) among AID, international organizations (e.g., IBRD and ILO), independent foundations and institutes, and other multi- and bilateral organizations.

RESEARCH OBJECTIVES: A program of employment research will be developed and implemented through international collaboration and networking as described above. Four tentative priority research emphases have been identified but are subject to modification and increasing focus as the project is further developed and implemented:

1) Strategic Employment Policy Alternatives: policies conducive to employment generation, including those pertaining to the private sector, export promotion, international investment, institutional structures (e.g., land tenure, organizational and incentive systems), and adjustments to IMF conditionalities.

2) Employment and Small Enterprises: the appropriate strategic role and relative efficiencies of the large and medium scale enterprises vis a vis the small, their respective products, linkages and potential complementarities, and the role of public policy.

3) Employment in Agriculture: examination of the substantial international variations in labor absorbtion for specific crops, per acre, controlling

for availability of work animals, temperature, rainfall, etc.; correlating productivity with labor absorption; and analyzing key institutional and policy constraints.

4) Employment and Productivity: their tradeoff; macro and sectoral determinants; and methods for efficient improvement, particularly through human resources approaches.

SERVICES AVAILABLE: Employment research to enhance the information base for policy, program and project development.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: Initial outputs on the above topics are expected in early FY 86, with subsequent topical volumes throughout the course of the project.

EXAMPLES OF ACTIVITY: Will include basic and action research at the country level, coordinated to develop and disseminate knowledge and to involve donor and host country researchers and planners in the development and review of that information.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Robert C. Young, S&T/RD/ESE, AID/W, (703) 235-8964.

CONTRACTOR/IMPLEMENTING ORGANIZATION: To be determined.

PROJECT: Small Enterprise Approaches to Employment-EVALUATION Sub-Project, #931-1090. Initial obligation FY 78, estimated completion FY 84. Life of project funding: $362,000.

PURPOSE/APPROACH/DESCRIPTION: To identify and validate effective methodologies for evaluating small enterprise assistance projects. Activities include: 1) review of evaluation methodologies that have been used for small-scale enterprise (SSE) assistance projects; 2) 4-6 field-tests of the components of a new evaluation methodology that will be integrated into future SSE assistance programs; 3) an evaluation methodology handbook for use by AID missions and other SSE assistance programmers; and 4) workshops and other information dissemination activities.

RESEARCH OBJECTIVES: To develop through field testing a new methodology and field handbook for carrying out impact level evaluations of small scale enterprise projects.

SERVICES AVAILABLE: As this project is nearing completion and about to deliver its final product (the Evaluation Handbook), no further services remain available.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

- Goldmark, Susan G. and Jay Rosengard, 1981. Evaluating Small-Scale Enterprise Promotion: State-of-the-Art. Methodologies and Future Alternatives.
- Goldmark, Susan, Timothy Mooney, and Jay Rosengard, 1982. Aid to Entrepreneurs: An Evaluation of the Partnership for Productivity Project in Upper Volta.
- Goldmark, Susan, Jean Jacques Deschamps, Joseph Recinos, Beatriz Glover, 1982. An Impact Evaluation of the Industrial Bank of Peru's Rural Development Fund.
- Goldmark, Susan, and Jay Rosengard, 1983. Credit to Indonesian Entrepreneurs: An Assessment of the Badan Kredit Kecamatan Program.
- Goldmark, Susan, and Jay Rosengard, forthcoming late 1984. Small Scale Enterprise Evaluation Handbook.

EXAMPLES OF ACTIVITY:

Kenya: Design of a monitoring and evaluation system for the National Christian Council of Kenya's SSE development project (a PISCES project).

Peru: Implementation of a comprehensive impact evaluation of the Industrial Bank of Peru's Rural Development Fund. The evaluation tested indicators and evaluation techniques appropriate for credit programs providing loans for equipment and working capital for small enterprises.

Upper Volta: Evaluation of a PVO-run enterprise development project, testing whether reliable financial data could be derived from limited micro-enterprise records, and ways of evaluating the project impact on communities involved.

Indonesia: Evaluation of the impact of a Bank credit program providing small loans to traders in Central Java. Bank staff were trained to conduct local borrower interviews and analyze the results.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Michael Farbman, S&T/RD/ESE, AID/W, (703) 235-8881.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Susan Goldmark, Development Alternatives, Inc., 624 9th Street, N.W., 6th floor, Washington, D.C. 20001, (202) 783-9110.

PROJECT: Small Enterprise Approaches to Employment-Industry/ Sector Studies Sub-Project, #931-1090. Initial obligation FY 78, estimated completion FY 85. Life of project funding: $1.1 million.

PURPOSE/APPROACH/DESCRIPTION: To maintain an important applied research capacity through Michigan State University to assist developing countries with small enterprise development. The project provides specialized applied research services, particularly concerning working capital needs of small enterprises, subcontracting, and the potential of small businesses operated from the home.

RESEARCH OBJECTIVES: To examine the working capital requirements of small enterprises and to suggest approaches for providing more effective financial services to smaller firms from institutional sources

To investigate the nature of subcontracting relationships between larger and smaller enterprises and their role in promoting small enterprise development.

To provide an overview of small enterprise research.

SERVICES AVAILABLE: Special studies; design, implementation and evaluation consultancies; long-term research; workshops.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

- Employment in Construction: Multi-Country Estimates of Costs and Substitution Elasticities for Dwellings, MSU Working Paper. 1982.
- Employment and Income from Production in Dwellings: The State of the Art, 1981.
- State-of-the-Art Report: Methods for Analyzing and Promoting Employment in Low Cost Housing in Developing Countries, August, 1981.
- Rural Non-Farm Employment: A Review of the State of the Art, MSU Rural Development Paper No. 4, 1979.
- Small Enterprises in Egypt: A Study of Two Governates, Working Paper No. 16, April, 1984.
- Subcontracting in Rural Areas of Thailand, Working Paper No. 4, 1982.

EXAMPLES OF ACTIVITY:

Peru: Special study of small businesses operated from the home.

Indonesia: Studies of selected industrial subsectors and assistance to USAID in design and implementation of its Central Java Enterprise Development project.

Egypt (and other countries): 1) Special study on subcontracting activities as effective means of small enterprise intervention; 2) analysis of working capital requirements of small scale enterprises; and 3) identification of economically viable areas of small enterprise activities.

Africa Region: Special studies of basic industrial subsectors and programs for providing working capital to small enterprises in selected African countries.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Cliff Barton, S&T/RD/ESE, AID/W, (703) 235-8964.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Drs. Carl Liedholm and W. Paul Strassmann, Dept. of Economics, Michigan State University, East Lansing, MI 48824, (517) 351-7468.

PROJECT: Market and Technology Access, #936-4053. Initial obligation FY 83, estimated completion FY 87/88. Life of project funding: $2,375,000.

PURPOSE/APPROACH/DESCRIPTION: To develop cost-effective, viable intermediary organizations and operating methods which facilitate firm-to-firm technology transfers and improve market access.

The project, which includes field trials in selected countries, will develop and test mechanisms to increase U.S.-LDC small and medium industry collaboration. Emphasis will be on activities that improve the access of LDC enterprises to new markets and technologies, such as developing sub-contracting relationships and promoting collaborative arrangements in agribusiness and selected manufacturing fields. Emphasis will also be on activities that can be sustained on a commercially viable basis by private firms without continued outside funding.

Host countries are expected to contribute to the costs of, and provide logistical support for, in-country surveys, feasibility studies, and training.

RESEARCH OBJECTIVES: To investigate the process by which smaller firms in developed countries and developing counrty firms enter into collaborative vertures which involve firm-to-firm technology transfer and improved market access.

To examine the feasibliity of private intermediary firms promoting collaborative ventures between U.S. and LDC firms on a commercially viable basis.

SERVICES AVAILABLE: Contract/Mission Funded Add-ons.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: "Summary of Findings and Conclusions of Market and Technology Access Project Workshop Meeting", December 14, 1983.

EXAMPLES OF ACTIVITY: Field activities will begin in FY 85 in LAC and Asia regions.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Cliff Barton, S&T/RD/ESE, AID/W, (703) 235-8964.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Research/Evaluation Component: Arthur Young & Co. Field Trials Component: 3 U.S. Contractors to be determined. Will include sub-contracts by U.S. firms with LDC intermediary organizations.

PROJECT: AID/Peace Corps PASA, #931-1096. Initial obligation FY 83, estimated completion FY 85. Life of project funding: $410,000*.

PURPOSE/APPROACH/DESCRIPTION: To strengthen local development institutions in countries having both AID and Peace Corps missions, by encouraging and supporting self-help efforts of local communities through direct grants to local community organizations or community designated representatives. The project will strengthen collaboration between AID and the Peace Corps by combining Peace Corps Volunteers' knowledge of local conditions and established working relationships at the community level with AID financial and technical resources.

Program activities consist of two parts: 1) a Small Project Assistance (SPA) Fund for direct grants to local community organizations, and 2) a PASA with Peace Corps/Washington to provide technical and programming assistance to activities supported by the SPA Funds. Emphasis of self-help projects will be on food, energy, competitive enterprise development, and/or income generating activities.

RESEARCH OBJECTIVES: N/A.

SERVICES AVAILABLE: Mission SPA Funds; Cooperative Agreement/Peace Corps.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: SPA Quarterly Reports.

EXAMPLES OF ACTIVITY:

Philippines - Development of more fuel efficient cooking stove. Phase I includes a survey of existing literature, interview with local experts and tests of presently used cookstoves to compare their fuel efficiency. Phase II will include design, construction and testing of one or more prototypes. S&T/MD envisions a subsequent grant to commercialize a workable design.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Lou Faoro, S&T/RD/ESE, AID/W, (703) 325-8881.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Ada Jo Mann, Peace Corps, 806 Connecticut Avenue NW, Room 701, Washington, D.C., 20526, (202) 254-8890.

* Program and Field Support PASA; additional $1,640,000 to SPA Fund.

PROJECT: AT International II (ATI), #936-5428. Initial obligation FY 83, estimated completion FY 86. Life of project funding: $18,000,000.

PURPOSE/APPROACH/DESCRIPTION: To strengthen ATI's capacity to facilitate the choice, development, transfer, adaptation, commercialization/ dissemination and assessment of technologies which are appropriate to conditions in developing countries, particularly those facing the poor and small enterprises. These technologies will generally be capital efficient, employment generating and make maximum use of local natural and human resources.

RESEARCH OBJECTIVES: ATI's program does not specifically include research objectives. Limited adaptive research is undertaken as appropriate for the selection and development of technologies as a part of ATI's subprojects.

SERVICES AVAILABLE: ATI/Mission cooperation may involve: (a) Joint participation in the identification, design, financing, and/or implementation of pilot projects involving an innovation in appropriate technology; (b) ATI assistance in the design and implementation of the appropriate technology elements of projects which have a primary objective which is not closely related to appropriate technology; (c) transfer to other locations of innovations which have been successfully demonstrated. Normally such activities will be carried out through a separate direct arrangement between ATI and the Mission concerned.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: Appropriate Technology Bulletin, published by ATI 4-6 times a year and is distributed to Missions and AID/W offices.

EXAMPLES OF ACTIVITY: ATI acts as a catalyst in the appropriate technology process, providing limited amounts of resources to carry out innovative activities which, although inherently risky, have a high payoff potential in terms of becoming self-sustaining and providing a model for other similar activities. It is involved in both the technical and institutional aspects of the appropriate technology process and attempts to maintain a balance between them. Although ATI does not normally provide financial assistance for such activities, it makes an

effort to ensure that successful technical, marketing, institutional and policy innovations resulting from its activities achieve the widest possible dissemination. ATI carries out its program primarily through sub-projects implemented by cooperating country private organizations such as small enterprises, organizations of small enterprises, organizations working with small enterprises, cooperatives and community development organizations.

Currently ATI's program is focusing on the following priority technical fields: (1) Agricultural product processing and utilization of agricultural wastes; and (2) Local mineral resource technologies. ATI has submitted a proposal to work in the area of equipment and supplies for small farms (excluding cropping and farming systems) which has not yet been approved.

ATI has subprojects in various countries in Asia, Africa, and Latin America, including: The Phillipines, Indonesia, Nepal, Thailand, Mali, Cameroon, Botswana, Zimbabwe, Tanzania, Costa Rica, Dominican Republic, and Haiti.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Ed Smith, S&T/RD/ESE. AID/W, (703) 235-8964.

CONTRACTOR/IMPLEMENTING ORGANIZATION: AT International, 1331 H Street NW, Washington DC 20005, (202) 879-2900.

PROJECT: Agro-Industrial Development Project, #931-1121. Initial obligation FY 80, estimated completion FY 85. Life of project funding: $945,000.

PURPOSE/APPROACH/DESCRIPTION: To strengthen agro-industrial enterprises and the policy environment for agribusiness in developing countries through the provision of managerial and technical expertise by high level executives from private sector enterprises in developed countries. Secondary purposes: (1) to provide small farmers with improved access to high quality inputs, particularly seeds, and to expanded markets for their outputs; and (2) to create increased employment opportunities in LDCs in industries based on local agricultural products. The project focuses particularly on improving the efficiency of management of national agribusiness systems, including the definition of the most effective roles for the public and private sectors within these systems.

RESEARCH OBJECTIVES: (1) To develop improved methodologies for the design of national agribusiness strategies and the determination of priorities for investment, policy reform, and project emphasis; (2) to develop more effective approaches to the design and management of specific commodity systems and the enterprises within those systems; and (3) to develop new mechanisms for the adaptation of private sector management and technical expertise from developed countries to both the public and private sectors in LDCs.

SERVICES AVAILABLE: Advisory assistance on national agribusiness strategies and programs; assessments and analyses of specific commodity sectors or industries; the design and execution of in-country training seminars/workshops/courses; and the organization of internships for LDC managers in private sector firms in developed countries.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

The Design and Management of National Seed Systems: Case Studies from Ten Countries (Forthcoming, early 1985).

The Development of the Ivory Coast's National Seed Industry (1983).

Assessment of Lesotho's High-Value Fruits and Vegetable Sector: Integrating and Expanding Small Holder Production Activities (1979).

The Development of Tanzania's National Seed Industry (1982).

The Development of Brazilian Industries Based Upon Amazon Forest Resources (1983).

Le Developpement de l'Industrie Semenciere au Zaire (1983).

The Development of the Turkish National Seed Industry (1982 and 1984).

EXAMPLES OF ACTIVITY:

Turkey: Analyzed national seed system, proposed reforms to improve system performance, outlined appropriate roles for the public and private sectors, and organized workshop to promote enterprise development.

Ivory Coast: Advised the government on the divestiture of the public seed project and the creation of a predominantly private national seed company.

Zaire: Designed integrated national seed program.

Sudan: Surveyed training needs of national seed industry and designed a one-year training program.

Thailand: Evaluated seed industry program, provided management advice, assisted in training workshop, and organized five internships for Thai seed officials in US seed companies.

Pakistan: Developed and presented workshop on national seed industry. Currently organizing workshop on small- and medium-scale agribusinesses.

Jamaica: Advised on strategy for initiating new gourmet food export program.

Somalia: Currently providing strategy and policy advice on national vegetable oils industry.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Ms. Christopher Mock, S&T/RD/ESE, Washington DC 20523, (703) 235-8964.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Walter Simons, Executive Director, Industry Council for Development, 300 East 44th Street, New York NY 10017, (212) 867-5017.

PROJECT: Local Revenue Administration, #936-5303. Initial obligation FY 79, estimated completion FY 85. Life of project funding: $3,415,000.

PURPOSE/APPROACH/DESCRIPTION: To assist LDCs and AID to design and implement methodologies to a) decentralize government finances, and b) plan for and meet recurrent costs of development activities. Major emphases include:

1) Improving local property and consumption-based taxes.

2) Recouping project benefits through user charges.

3) Stimulating local fiscal effort through intergovernmental grants.

4) Increasing local discretionary fiscal ability through budgetary reform.

5) Improved techniques of local government capital financing.

6) Better evaluation of local government public enterprises.

RESEARCH OBJECTIVES: To stimulate the self-help capabilities of LDC local communities through improving their revenue-raising capabilities via fiscal reforms and improved administration.

SERVICES AVAILABLE:

1) Reports and studies resulting from consultancies, available upon request.

2) Short-term consultancies -- Cooperative Agreement, Mission-funded add-ons.

3) Long-term assistance -- Cooperative Agreement, Mission-funded add-ons.

EXAMPLES OF ACTIVITY:

Upper Volta - Examination of intergovernmental resource and fiscal flows, sources of local revenues and resource mobililization, local capacity to operate and to administer services, and costs of and preferences for local collective services.

Bangladesh - Preparation of the first comprehensive look at local government finances in Bangladesh. This should aid the Government of Bangladesh to promote fiscal decentralization and strengthen the important role of local government in maintaining rural infrastructure.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

Bahl, Roy; Miller, Barbara D., (Editors), Local Government Finance in the Third World: A Case Study of the Philippines, Praeger, 1983.

Larry Schroeder, et al., A Plan for Increased Resource Mobilization by Local Government in Bangladesh, 1984.

S&T PROJECT OFFICER: Local Revenue Project Officer, S&T/RD/DA, AID/W, (703) 235-8870.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Dr. Roy Bahl, Director, Local Revenue Project, 409 Maxwell Hall, Syracuse University, Syracuse NY, 13210, (312) 423-3114.

PROJECT: Performance Management, #936-5317. Initial obligation FY 82, estimated completion FY 89. Life of project funding: $5,700,000.

PURPOSE/APPROACH/DESCRIPTION: Improved methods developed by R&D are transferred by management training and consulting to build LDC capacity to manage development programs. Improved technologies are developed and tested in USAID mission programs, recorded and disseminated. Focus is on improving organizational performance and on strengthening local resource institutions.

RESEARCH OBJECTIVES: Action and applied research in both the theoretical and practice aspects of development program management improvement; provides organizational guidance for change.

SERVICES AVAILABLE: PASA with Development Project Management Center/USDA; Cooperative Agreement with National Association of Schools of Public Affairs and Administration; Mission funded services and analysis.

Consultative work with missions and host country institutions on issues which relate to improved management of LDC development programs, including organization change strategy and in-country training; State-of-the-art management technology reports/working papers/ training materials and institutional networks for exchange and support.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

Schaeffer, Wendell; The Foundation of Managers for Developing Countries, NASPAA Working Papers, 1984.

Korten, David C., Uphoff, Norman T.; Bureaucratic Reorientation for Participatory Rural Development, NASPAA Working Papers, 1981.

Rondinelli, Dennis: Development Management in AID: A Baseline Review of Project and Program Management Assistance in the U.S. Agency for International Development.

Kettering, Merlyn; Making Technical Assistance Teams More Effective, The TPM (Team Planning Meeting) Advantage, DPMC, 1983.

Ingle, Marcus, (et al); Acquiring and Using Microcomputers in Agricultural Development: A Managers Guide. DPMC, 1983.

EXAMPLES OF ACTIVITY:

Caribbean: Planning private/public sector graduate management training; training for small enterprise management; Management of regional farming systems.

Africa: Sahel-wide financial management training; in-country management training for senior government officials in French; assessment of management training needs in Southern Africa related closely to program performance requirements.

Asia: Assistance to national and donor agencies on organization and policy for improved goal achievement through strategies for empowering local communities; training of trainers for local officials.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: J. North, S&T/RD/DA, AID/W, (703) 235-8870.

CONTRACTOR/IMPLEMENTING ORGANIZATION:

Wendell Schaeffer, NASPAA, 1120 G Street NW, #520, Washington DC 20005, (202) 628-8965.

Morris Solomon, DPMC/OICD-Auditors Building, U.S. Dept. of Agriculture, (202) 447-5308.

PROJECT: Institutional Development Program. Initial obligation FY 1984, estimated completion FY 95. Life of project funding: 20 million.

PURPOSE/APPROACH/DESCRIPTION: To improve the productivity and long-term viability of selected types of LDC development institutions.

RESEARCH OBJECTIVES: The program will develop analytical frameworks and methods to facilitate more effective institutional analysis, design and change. These methods will be field tested and adapted in collaboration with selected mission pojects. Major emphasis will be placed on training and expanding cadres of institutional development specialists to assist missions and host countries in design, implementation and evaluation. Network arrangements will be established with U.S. and LDC institutions to undertake applied research and training activities.

SERVICES AVAILABLE:

1) Short and longer term consultancies for project design, implementation, and evaluation activities which involve major emphasis on institutional analysis, design, and change.

2) Training of host country nationals in institutional analysis and design skills.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: S&T/RD Concept Paper for an Institutionl Development Initiative.

EXAMPLES OF ACTIVITY: The project will focus on a number of problem areas which are currently under review. Examples of some generic problem areas include:

1) Public/Private Transitions Poor institutional performance often relates to excessive and costly reliance on public sector organizations for the organization and execution of development tasks. Institutional development strategies need to be devised to identify how governments can begin to either transfer to the private sector those functions which are now ineffectively performed in the public sector, or to introduce more competitive market-like pressures in the public sector to improve service delivery.

2) Technology Generation and Transfer Institutional capacities for effective technology generation and transfer are weak in most LDCs. Organizational incentives for the improved management of technology development and diffusion processes are key areas for advanced applications of institutional analysis and design.

3) Natural Resource Management Natural resource degradation is growing at an alarming rate. Solutions to this problem will rest on building cooperative institutional relationships between government and local constituencies with the latter assuming primary responsibility for devising and enforcing effective controls over resource use.

GEOGRAPHIC SCOPE: Worldwide, Special emphasis: Africa

S&T PROJECT OFFICER: Bob Shoemaker, S&T/RD/DA, AID/W (703) 235-8870; R&D Specialist: Ed Connerley; Local Institutions Specialist: Gary Hansen.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Drs. Vincent and Elinor Ostrom, Workshop in Political Theory and Policy Analysis, Indiana University, 513 N. Park, Bloomington, IN 47405. (812) 335-0441

Monteze Snyder, Banako (ID) Department of State, Washington, D.C. 20520

Dr. James C. Taylor, Socio-Tecnnical Design Consultants, Inc. 240-30A 70th Ave., New York, NY 11363-1948 (718) 423-6252

PROJECT: Administration and Organization of Integrated Rural Development (IRD) 936-5300. Initial obligation FY 78, estimated completion FY 85. Life of project funding $2,764,000.

PURPOSE/APPROACH/DESCRIPTION: To increase the effectiveness of IRD programs through improved design and management. The project focuses upon identifying and relieving constraints to effective implementation of rural development projects during design and implementation. Emphasis is on management that promotes self-sustaining development.

SERVICES AVAILABLE: Contract/Mission funded add-ons The project can provide short-term consultancies for project design, implementation and evaluation; long-term assistance in management development and training for projects/programs and organizations.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

Honadle, George, Fishing for Sustainability: The Role of Capacity Building in Development Administration, IRD Working Paper, June 1981. Sustaining Rural Development: A Guide for Project Planners and Managers, Evaluations and Trainers DAI, 1984.

Hanna, John and Honadle, George, Implementing for Sustainability: Lessons from AID. 1984

Gao, David and Morss, Elliot, Implementing Rural Development Projects: Lessons from AID and World Banks Experience 1984

EXAMPLES OF ACTIVITY:

Philippines - Evaluation of BICOL - area development project; on-going assistance in project design and evaluation to the Mission.

Indonesia - Evaluation assistance to Provincial Development Project I (PDP I) and design assistance to PDP II.

Niger - Long-term assistance in management training and development for the Niamey Department Development Project (NDD).

Pakistan - Design of management training and management development for irrigation managers.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: R. Shoemaker, S&T/RD/DA AID/W.

CONTRACTOR/IMPLEMENTING ORGANIZATION: George Honadle/Anthony Barelay, Development Alternatives, Inc., 624 9th Street, N.W. 6th Floor Washington., D.C. 20001, (202) 783-9110.

PROJECT: Local Revenue Administration, 936-5303, Initial obligation FY 79, estimated completion FY 85 Life of project funding $4,265,000.

PURPOSE/APPROACH/DESCRIPTION: Stimulate the revenue raising capabilities of local communities in LDCs through the design and implementation of methodologies to (a) decentralize government finances and (b) plan for and meet recurrent costs fo development activities. Major emphases include:

1. Improving local property and consumption-based taxes.
2. Recouping project benefits through user charges.
3. Stimulating local fiscal effort through intergovernmental grants.
4. Increasing local discretionary fiscal ability through budgetary reform.
5. Improved techniques of local government capital financing.
6. Better evaluation of local government public enterprises.

SERVICES AVAILABLE:

--Reports and studies resulting from consultancies available upon request.
--Short-term consultancies--Cooperative Agreements, Mission-funded add-ons.
--Long-term assistance--Cooperative Agreement, Mission-funded add-ons.
--Mission staff visits (Mission funded) to Cooperator (Syracuse University).
--Workshops - one regional workshop planned for 1985.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

Bahl, Roy; Miller, Barbara D., (Editors), Local Government Finance in the Third World: A Case Study of the Philippines, Praeger, 1983.

EXAMPLES OF ACTIVITY:

Granada - Examination of Granada's tax system resulted in recommendations of far-reaching reform measures that were accepted by the GOG. A project team is playing a major role helping Granada to implement those reforms. Detailed work plans are being developed, detailed studies of specific program areas are being conducted and specific action plans, including technical assistance requirements, for longer-term comprehensive tax reform are being developed.

Upper Volta - Examination of intergovernmental resource and fiscal flows, sources of local revenues and resource mobilization, local capacity to operate and to administer services, and costs of and preferences for local collective services.

Bangladesh - A Project Team is completing an integrated analysis to provide the first cohesive look at local government finances in Bangledesh. They will aid the Government of Bangladesh in devising improved ways of promoting fiscal decentralization and strengthening the important role of local governments in maintaining rural infrastructure.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Gary Hansen, S&T/RD/DA (703) 235-8870.

CONTRACTOR/IMPLEMENTNG ORGANIZATION: Dr. Roy Bahl, Local Revenue Administration Project, 409 Maxwell Hall, Syracuse University, Syracuse, New York 13210 (315) 423-3114.

PROJECT: Managing Energy and Resource Efficient Cities (MEREC), #936-5402. Initial obligation FY82, estimated completion FY88. Life of project funding: $1,530,000.

PURPOSE/APPROACH/DESCRIPTION: MEREC develops and demonstrates ways local and national governments can build upon opportunities found in small and medium-sized cities to solve resource-related problems and establish long-term patterns of efficient energy and resource use. MEREC operates in three demonstration cities (pop.40-100,000). Public officials and private sector representatives work together to develop MEREC Strategies and Action Plans and to implement specific local energy and resource efficiency projects. Demonstration cities receive specialized technical assistance from Tennessee Valley Authority (TVA) experts.

RESEARCH OBJECTIVES: Through action research, develop and document:

--Workable institutional arrangements for accomplishing MEREC-type purposes in rapidly growing secondary cities.

--Local urban development planning and implementation procedures that stress energy and resource efficiency.

--Specific energy and resource efficiency technologies that reduce public and private development expenditures while creating employment and private sector opportunities.

SERVICES AVAILABLE: Technical assistance through PASA with the TVA. Future activities may be undertaken as regular field projects sponsored by USAID Missions, RHUDOs, and Bureaus with their funds.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

"Managing Energy and Resource Efficient Cities." Project prospectus.

"Launching a MEREC Effort." Introduction to the MEREC process.

"Tacloban Project Monitoring Handbook."

Annual Reports and Quarterly Progress Reports.

EXAMPLES OF ACTIVITY:

Tacloban: Built an oxidation pond at the city slaughterhouse that will improve water quality in the bay upon which the city is located and provide sludge that will be used as fertilizer.

Guarda: Introducing water system improvements to reduce distribution losses.

GEOGRAPHIC SCOPE: Currently in Tacloban, Philippines; Guarda, Portugal; Phuket, Thailand. MEREC is global in application and new projects may be initiated in an appropriate city in any AID-assisted country.

S&T PROJECT OFFICER: Avrom Bendavid-Val, S&T/RD/RRD, (703) 235-9506.

CONTRACTOR/IMPLEMENTING ORGANIZATION: James Gober, Chief, Development Planning Section, Office of Natural Resources and Economic Development, TVA, Old City Hall Building, 1G96, Knoxville, TN 37902 (615) 632-6682.

PROJECT: Human Settlements and Natural Resource Systems Analysis (SARSA), #931-1135. Initial obligation FY78, estimated completion FY88. Life of project funding: $5,344,000.

PURPOSE/APPROACH/DESCRIPTION: Provides assistance in regionally based resource analysis, assessment, and management; new lands settlement and resettlement programs; regional analysis of the dynamics of rural-urban linkages and regional/rural impact of urban centers.

RESEARCH OBJECTIVES: Using a variety of methodologies--e.g., regional planning, rapid assessment, land use analysis, social monitoring--conduct studies to improve management of human and natural resources by LDC institutions.

SERVICES AVAILABLE:

--Cooperative Agreement/incremental mission funding.

--Reports/studies integrating field experience and research.

--Assistance with regional development strategies and projects.

--Conduct applied and core research.

--Provide professional services for project implementation.

--African River Basin Development Workshop, November 1984.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

E. Berry, and B. Thomas (eds.). Natural Resource Management Workshop; Collected Papers. AID/S&T/RD/RRD. 1983.

T. Carroll, B. Lentnek, R. Wilkie. Exploration of Rural-Urban Linkages and Market Centers in Highland Ecuador. AID/S&T/RD/RRD. 1984.

R. Rhoda. Urban and Regional Analysis for Development Planning. Boulder, CO: Westview Press, 1982.

D. Rondinelli. Secondary Cities in Developing Countries. Beverly Hills: Sage, 1983.

D. Rondinelli and K. Ruddle. Urbanization and Rural Development: A Spatial Policy for Equitable Growth. New York, Praeger, 1978.

EXAMPLES OF ACTIVITY:

Ecuador: Rural-urban linkages study of market towns with the periphery region of the country; collaborative studies with FONAPRE.

Sudan: Rapid resource assessment of Kordofan Region to identify key problem areas, research needs, and areas of priority for investment.

Sri Lanka: Development of rapid settlement assessment methodology and studies of rural-urban linkages within Accelerated Mahaweli Development Project.

Jordan: Micro-regional and enterprise development studies at village and community level in rural Jordan as part of the regional planning effort for the National Planning Council.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Bob J.Walter, S&T/RD/RRD, (703) 235-8860.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Gerald K. Karaska, Dept. of Geography, Clark University, 950 Main St., Worcester, MA 01610, (617) 793-7310.

PROJECT: Access to Land, Water, and Natural Resources, #936-5301. Initial obligation FY79, estimated completion FY88. Life of project funding: $5,290,000.

PURPOSE/APPROACH/DESCRIPTION: To assist LDC governments in addressing land tenure constraints to equitable and efficient use of land. Help develop approaches for improving the rural poor's access to land, water, and natural resources and enhance the land-holding security of small operators.

RESEARCH OBJECTIVES: To increase the knowledge base regarding land tenure issues in river basin/irrigation development, changing traditional systems, African urban tenure, titling/registration, agrarian structure, adjustments in Latin American reform sectors, fragile land use, and land markets.

SERVICES AVAILABLE:

--Cooperative Agreement for core research activities.
--Consulting on development of applied research programs.
--Consulting on project design and management.
--Dissemination of information through workshops and seminars.
--Participant training.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: All are published by the University of Wisconsin-Madison Land Tenure Center.

P. Dorner and B. Saliba. Interventions in Land Markets to Benefit the Rural Poor.

J. Riddell, et al. Land Tenure and African Pastoralism. State of the art.

M. Brown, et al. Annotated Bibliography of Land Reform.

EXAMPLES OF ACTIVITY:

Ecuador: Training on applied research techniques in support of an effort to strengthen the capacity of Ecuador's Agrarian Reform Institute.

Botswana: Major applied research completed in conjunction with the Ministry of Local Government and Lands examining land tenure issues in urban access, local organizations and natural resource management, and access to land in communal areas.

El Salvador: Assisted USAID in designing a project to strengthen titling and agrarian reform farm production efforts and in analyzing the rural informal credit market in the reform sector.

GEOGRAPHIC SCOPE: Africa and Latin America.

S&T PROJECT OFFICER: David Atwood, S&T/RD/RRD, (703) 235-8860.

CONTRACTOR/IMPLEMENTING ORGANIZATION: The University of Wisconsin-Madison, Land Tenure Center, Madison, WI. (608) 262-3657

PROJECT: Water Management Synthesis II (WMS II), #936-4127. Initial obligation FY83, estimated completion FY87. Life of project funding: $20 million. This project is co-funded by the S&T and Asia Bureaus.

PURPOSE/APPROACH/DESCRIPTION: To increase host country capabilities to plan and implement irrigation water management programs and to change attitudes and behaviors at all levels toward irrigation water management improvement. Major emphasis is on main system management; local users' participation; small-scale irrigation systems; rehabilitation strategies; and new irrigation technologies.

RESEARCH OBJECTIVES: Methodologies include action research, case studies, and literature searches, primarily in collaboration with local LDC institutions. Focus is on substantive issues related to improving management of main canal systems; improving LDC capacities to work effectively with local owners/users of small-scale irrigation systems; and enhancing effective farmer participation in irrigation management.

SERVICES AVAILABLE:

--Inter-disciplinary teams for a wide variety of activities aimed at developing host countries' capacities for sustained irrigation development and water management through: technical assistance; technology transfer/training; special studies.

--Funding formats: central, co-shared, add-ons.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--M. Svendsen, D. Merrey, W. Fitzgerald. "Meeting the Challenge for Better Irrigation Management," Horizons, AID, March 1983. Sets WMS II in historical context.

--J. Morris, D. Thom, W.R. Norman. "Prospects for Small-Scale Irrigation Development in the Sahel." WMS Report #26. 1984.

--Diagnostic Analysis of Irrigation Systems. Vol.I: Concepts and Methodology. Vol. II: Evaluation Techniques. 1983. Project approach to training in the diagnosis and development of solutions to problems in irrigation.

--E. Walter Coward. Improving Policies and Programs for the Development of Small-Scale Irrigation Systems. WMS #27. 1984.

EXAMPLES OF ACTIVITY:

Asia: Project design efforts (India, Indonesia, Sri Lanka); workshops to train inter-disciplinary teams to analyze irrigation problems in the field (India, Sri Lanka); development of computer models for improving managment of irrigation systems (Thailand); action research/assistance in shift from rotational to continuous flow management of a major irrigation system following rehabilitation (Sri Lanka).

Africa: Irrigation sector study (Tanzania); special study of locally managed irrigation systems (Niger); assist Africa Bureau's formulation of irrigation development strategy.

Latin America: Computer graphic-based training modules (Ecuador); project design (Peru, Dominican Republic); sector study (Haiti).

GEOGRAPHIC SCOPE: Worldwide, with particular emphasis on Asia.

S&T PROJECT OFFICERS: Worth Fitzgerald, S&T/AGR/RNR, (703) 235-1275; Eric Chetwyn, S&T/RD/RRD, (703) 235-8860; Mark Svendsen, ASIA/TR/ARD, (202) 632-9102; Douglas Merrey (technical leader), S&T/RD/RRD, (703) 235-8860.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Consortium for International Development, with three major participating universities: Colorado State, Utah State, Cornell. (602) 745-0455.

PROJECT: Rural Savings for Capital Mobilization, #936-5315. Initial obligation FY 82, estimated completion FY86. Life of project funding: $1,392,000.

PURPOSE/APPROACH/DESCRIPTION: To promote self-sustaining and more effective rural financial mechanisms. The project promotes mobilization of rural savings in order to enable rural financial institutions to become financially self-sustaining. An expanding viable financial system will allow greater access to capital by rural users.

RESEARCH OBJECTIVES: To establish, test, and subsequently implement improved approaches to savings mobilization in rural areas of LDCs. Four pilot demonstration projects will be established to demonstrate these approaches under a variety of circumstances.

SERVICES AVAILABLE:

--Cooperative Agreement/Mission funded add-ons.
--Training of professionals.
--Dissemination of projects results in conferences, seminars, workshops.
--Evaluation Workshops (1984) in Honduras and the Dominican Republic on savings mobilization.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

D.W. Adams et al. (eds.), "Undermining Rural Development with Cheap Credit," Boulder, CO: Westview Press, 1984.

A. Camacho and C.G. Vega, "Bank Competition, Deposit Mobilization and Financial Concentration in Honduras," January 1984.

C. Cuevas, "Intermediation Costs in an Agricultural Development Bank: A Cost Function Approach to the Measurement of Scale Economies," 1984.

C. Cuevas and D. Graham, "Loan Targeting and Financial Intermediation Costs in Honduras," December 1983.

C.G. Vega, "Development Strategies, Financial Crisis, and Domestic Resources Mobilization in Central America," April 1984.

J.D. Von Pischke et al. (eds.), "Rural Financial Markets in Developing Countries," Baltimore: Johns Hopkins University Press, 1983.

EXAMPLES OF ACTIVITY

Honduras: Research carried out on local financial policies and systems, and developing strategies for savings mobilization.

Dominican Republic: Initial diagnosis undertaken of Dominican financial market. Research begun on key issues to promote and develop savings mobilization efforts, particularly in rural financial systems.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Sandra Frydman Henderson, S&T/RD/RI, (703) 235-8910.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Douglas Graham, Ohio State University, Department of Agricultural Economics & Rural Sociology, 2120 Fyffe Rd., Columbus, OH 43210, (614) 422-8013.

PROJECT: Small Farmer Marketing Access, #936-5313. Initial obligation FY 82, estimated completion FY87. Life of project funding: $2,460,000.

PURPOSE/APPROACH/DESCRIPTION: To develop methodologies to diagnose marketing problems and propose remedial measures; achieve state-of-the-art understanding of agricultural marketing processes and systems, and disseminate project findings to policymakers, project managers, and others; provide guidance and training to USAID and host country professionals by applying insights developed through the project to design, monitor and evaluate marketing interventions.

RESEARCH OBJECTIVES: Develop practical methods for appraisal of marketing problems; for the design of market interventions; and for synthesizing from case histories ways to enhance the design, implementation, and evaluation of marketing programs.

SERVICES AVAILABLE:

--PASA with the USDA Graduate School.
--Marketing assessment: multidisciplinary analytic descriptions of rural marketing systems focusing on structural relations and operations.
--Rapid Appraisal: overview focusing on an agricultural problem defined.
--Case History: analytical study of successful marketing intervention.
--Technical assistance during project life cycle.
--Training courses: small farmer marketing training course for Washington and the field.
--Regional workshops to disseminate project experience and findings.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

M. Cullen and A. Waldstein, "Grain Markets in Niger." June 1983.

J. Holtzman, "Small Ruminant and Poultry Marketing in the Mossi Plateau of Upper Volta," May 1983.

J. Holtzman, D. Miller, and G. Finne, "Food Crop Marketing in North Shaba, North and South Kivu, Bumba Zone (Equateur) and Kwilu Subregion (Bandundu)," June 1983.

A. Waldstein and F. Masson, "Vegetable Marketing on Mossi Plateau of Upper Volta," June 1983.

A. Zola, "Market Research and Development/Marketing Extension Approach for Irrigated Agriculture; The Case of the Lam Nam Oon Irrigation Project," April 1984.

EXAMPLES OF ACTIVITY:

Zaire: Analyze agricultural marketing in four different regions. Participate in two marketing project evaluations and design of a third. Implement marketing assessment in the Kwilu sub-region.

Philippines: Participate in evaluation of Marketing Assistance Centers Project.

Ecuador: Implement marketing assessment of the Ambato region.

U.S.: Training workshop on small farmer marketing. Technical review of methodology for marketing assessment.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Don Anderson, S&T/RD/RI, (703) 235-8910.

CONTRACTOR/IMPLEMENTING ORGANIZATION: USDA Graduate School, International Programs, Abe Waldstein, Project Leader.

PROJECT: Farming Systems Support, #936-4099. Initial obligation 1982, estimated completion FY 86. Life of project funding: 2,500,000.

PURPOSE/APPROACH/DESCRIPTION: Increase responsiveness of agricultural research and extension activities in LDCs to the needs of small farm families.

RESEARCH OBJECTIVES: To develop the five phases of the Farming Systems approach and to test different methodologies appropriate to each phase under varying environmental, institutional, and structural conditions. This research will be carried out through synthesis of past and on-going farming systems activities and projects, and through results-oriented workshops and seminars held throughout the LDCs.

SERVICES AVAILABLE:

--Cooperative Agreement/Mission cost-sharing.
--Assistance in designing farming systems research and extension projects.
--Project newsletter.
--Dissemination of project results through workshops and training sessions in LDCs and the U.S.
--State-of-the-art synthesis to develop guidelines for carrying out farming systems projects.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

Farming Systems Newsletter

Bibliography of 100 Key FSR Publications

Shaner, Phillip, and Schmehl, Farming Systems Research and Development: Guidelines for Developing Countries, Vols. I and II.

EXAMPLES OF ACTIVITY

West Africa: Designed and conducted a three-week workshop in French on farming systems research theory and methodology for agricultural research scientists in collaboration with the International Institute for Tropical Agriculture.

Evaluations: SAFGRAD farming systems project in West Africa; CIMMYT farming systems project in East Africa; Zambia farming systems project; and Botswana farming systems project.

Workshops: Orientation courses in Guatemala, several U.S. universities and a training course for trainers at Iowa State.

GEOGRAPHIC SCOPE: Africa, the Caribbean, Central America.

S&T PROJECT OFFICERS: Ken Swanberg, S&T/RD/RI, (703) 235-8910; W. Morse, S&T/AGR/EPP, (703) 235-8946.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Dr. Chris Andrew, Office of International Programs, 3028 McCarty Hall, University of Florida, (904) 392-1965.

PROJECT: Alternative Rural Development Strategies: Food Security in Africa, #931-1190. Initial obligation FY 77, estimated completion FY 86. Life of project funding: $5,683,000.

PURPOSE/APPROACH/DESCRIPTION: This project has been extended for three years. Activities for this period will contribute to improvement in the level of food security by exploring short- to mid-term solutions to food deficits; by assessing alternative roles and responsibilities of the public and private sectors in food systems; by planning for domestic food supply and production in the context of competition between export commodities and local food productions; and describing problems and recommending their solutions within domestic food systems.

RESEARCH OBJECTIVES: Using comprehensive and focused research in selected countries in Africa, will assist in formulating strategies and management processes for dealing with food system security problems.

SERVICES AVAILABLE: Cooperative Agreement with Michigan State University. Applied Research: comprehensive research in two African countries to develop national food security assessments and design strategies for dealing with the problems. Focused research on specific problems or issues in six to eight countries to examine alternative institutional and operational solutions to food security problems similar to those identified in the comprehensive research program. Networking among relevant food system research and development practitioners in Africa. Seminars, workshops and information activities to exchange information and methodological developments. Dissemination/Training: additional information and publications prepared for targeted audiences to include LDC policymakers, planners, food system managers and technicians. These will focus on the results of research. On-the-job training, workshops, and short-term training for LDC professional staff.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: none to date.

EXAMPLES OF AQCTIVITY: none

GEOGRAPHIC SCOPE: Africa.

S&T PROJECT OFFICER: Donald E. Anderson, S&T/RD/RI, (703) 235-8910; Curt Reintsma, AFR/TR, (202) 632-8716.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Dr. Michael Weber, Department of Agricultural Economics, Michigan State University, East Lansing, MI 48824, (617) 353-8639.

Directorate for Human Resources

OFFICE OF INTERNATIONAL TRAINING

(S&T/IT)

PREVIOUS PAGE BLANK

PROJECT: Partners for International Education and Training. PDC-0030-C-00-2207-00. Contract. Initial obligation FY 83. Continuing project.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to provide placement,programming and management of approximately 2,300 AID direct-funded participants per year.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Program design. Placement, monitoring and evaluation of AID participants. Liaison witn AID project management of participant training.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None.

EXAMPLES OF ACTIVITY: Placement, monitoring and evaluation of academic and short-term technical participants.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Bill L. Ryan, S&T/IT/PP, (703) 235-1879.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Partners for International Education and Training, 1140 Connecticut Ave., N.W., Washington, DC 20036.

PREVIOUS PAGE BLANK

PROJECT: Participant Training: Department of Agriculture, Office of International Cooperation and Development, International Training Division. PIO/T 962-0070, 954-0016. RSSA. Initial obligation 1954. Current completion date: 9-30-84. (One-year RSSA extension underway.)

PURPOSE/APPROACH/DESCRIPTION: Develop and implement placement, programming and management of approximately 2,000 AID direct-funded agriculture participants per year.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Program design. Placement, monitoring and evaluation of AID participants. Liaison with AID project management of agriculture participant training.

KEY PUBLICATIONS AVAILABLE THROUGH S&T/IT: Catalog of USDA short courses.

EXAMPLES OF ACTIVITY: Placement, monitoring and evaluation of academic and short-term technical participants.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Michael Egan, S&T/IT/PP, (703) 235-1879.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Department of Agriculture, International Training Division.

PROJECT: Participant Training: Department of Commerce, Bureau of the Census. PIO/T 926-0070, 954-0017. RSSA. Initial obligation 1967. Current completion date: 9-30-84. (One-year RSSA extension underway.)

PURPOSE/APPROACH/DESCRIPTIONS: Develop and implement individual and group training in census procedures for about 340 person-months of training for AID participants per year.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Program design. Placement, montoring and evaluation of AID participants. Liaison with AID project management of participant training in census procedures.

KEY PUBLICATIONS AVAILABLE THROUGH S&T/IT: Catalog of courses.

EXAMPLES OF ACTIVITY: Placement, monitoring and evaluation of short-term technical participants.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Jacqueline Truss, S&T/IT/PP, (703) 235-1869.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Department of Commerce, Bureau of Census.

PROJECT: Participant Training: Department of Commerce, Bureau of Economic Analysis. PIO/T 936-0070, 954-0018. RSSA. Initial obligation 1967. Current completion date: 9/30/84. (One-year RSSA extension underway.)

PURPOSE/APPROACH/DESCRIPTION: Develop and implement individual and group training in economic analysis for about 67 person-months of training for AID participants per year.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Program design. Placement, monitoring and evaluation of AID participants. Liaison with AID project management of participant training in economic analysis.

KEY PUBLICATIONS AVAILABLE THROUGH S&T/IT: Catalog of courses.

EXAMPLES OF ACTIVITY: Placement, monitoring and evaluation of short-term technical participants.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Jacqueline Truss, S&T/IT/PP, (703) 235-1869.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Department of Commerce, Bureau Economic Analysis.

PROJECT: Participant Training: Department of Transportation, Federal Aviation Administration. PIO/T 936-0070, 954-0021. RSSA. Initial obligation FY 72. Current completion date: 9/30/84. (One-year RSSA extension underway.)

PURPOSE/APPROACH/DESCRIPTION: Develop and implement individual and group training in aviation administration and air traffic control for approximately 81 person-months of training for AID participants per year.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Program design. Placement, monitoring and evaluation of AID participants. Liaison with AID project management of participant training in aviation administration and air traffic control.

KEY PUBLICATIONS AVAILABLE THROUGH S&T/IT: Catalog of courses.

EXAMPLES OF ACTIVITY: Placement, monitoring and evaluation of short-term technical participants.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Jacqueline Truss, S&T/IT/PP, (703) 235-1879.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Department of Transportation, Federal Aviation Administration.

PROJECT: Participant Training: International Council on Education for Teaching (ICET). PDC-0028-1-00-1005-00. Contract. Initial obligation FY 75. Current completion date: 10-31-84. (One-year contract extension underway.)

PURPOSE/APPROACH/DESCRIPTION: The program provides in-depth managerial training for all segments of a nation's higher education systems through the utilization of training resources of U.S. education.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Program design. Placement, monitoring and evaluation of AID participants. Liaison with AID project management of participant training in nigher education systems.

KEY PUBLICATIONS AVAILABLE THROUGH S&T/IT: Catalog of courses.

EXAMPLES OF ACTIVITY: Placement, monitoring and evaluation of specialized leadership training in higher education.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Yvonne Hunt, S&T/IT/PP, (703) 235-1968.

CONTRACTOR/IMPLEMENTING ORGANIZATION: International Council on Education for Teaching (ICET).

PROJECT: Participant Training: Department of Labor, Bureau of Labor Statistics. PIO/T 926-0070, 954-0019. RSSA. Initial obligation 1947. Current completion date: 9/30/84. (One-year RSSA extension underway.)

PURPOSE/APPROACH/DESCRIPTION: Develop and implement individual and group training programs in labor statistics for approximately 150 person-months of training for AID participants per year.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Program design. Placement, monitoring and evaluation of AID participants. Liaison with AID project management of participant training in labor statistics.

KEY PUBLICATIONS AVAILABLE THROUGH S&T/IT: Catalog of courses.

EXAMPLES OF ACTIVITY: Placement, monitoring and evaluation of short-term technical participants.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Henry J. Cope, S&T/IT/PP, (703) 235-1998.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Department of Labor, Bureau of Labor Statistics.

PROJECT: Participant Training: Department of Labor, Office of International Visitors Program Group. PIO/T 926-0070, 954-0020. RSSA. Initial obligation FY 74. Current completion date: 9-30-84. (One-year RSSA extension underway.)

PURPOSE/APPROACH/DESCRIPTION: Develop and implement individual and group training in labor procedures for about 150 person-months of training for AID participants per year.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Program design. Placement, monitoring and evaluation of AID participants. Liaison with AID project management of participant training in labor procedures.

KEY PUBLICATIONS AVAILABLE THROUGH S&T/IT: Catalog of courses.

EXAMPLES OF ACTIVITY: Placement, monitoring and evaluation of short-term technical participants.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Henry J. Cope, S&T/IT/PP, (703) 235-1998.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Department of Labor, Office of International Visitor Program Group.

PROJECT: Labor Organizations Development Project. #938-0601. Initial obligation FY 81. Current completion: FY 85. (Five-year project extension underway.) Project funding FY 81 - FY 85: $2.6 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to provide LDC labor leaders with short-term motivational training in the U.S. on how to: (1) develop effective labor policies and programs; (2) assist poor worker groups to improve their income and employment conditions; and (3) promote more enlightened and responsible trade union participation in socio-economic development. On returning home, these labor leaders can work to effect positive changes in their own unions and in government policies and regulations.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Participants are nominated by Missions/host governments and selected by AID/W. Six one-month programs are conducted each year in the U.S. for groups of 15-20 LDC labor leaders. The one-month program includes: (1) several days of meetings in Washington, DC with the AFL-CIO, other unions, labor-related organizations and government agencies; (2) a one-week seminar at a U.S. university institute of labor and industrial relations; (3) two weeks of field trips for on-site observations and discussions with trade union programs; and (4) possible attendance at a national labor convention.

KEY PUBLICATIONS AVAILABLE: None.

EXAMPLES OF ACTIVITY: More than 500 labor leaders have been trained from Latin America, the Caribbean, Africa, the Near East, South Asia and the Far East.

GEOGRAPHIC SCOPE: Training takes place in the U.S. only. Participants come from LDCs worldwide.

S&T PROJECT OFFICER: Henry J. Cope, S&T/IT/PP, (703) 235-1998.

CONTRACTOR/IMPLEMENTING ORGANIZATION: U.S. Department of Labor, numerous U.S. local, state and international trade unions, and other community-based groups throughout the U.S.

PROJECT: Reimbursable Training Programs. Continuing activity since FY 77.

PURPOSE/APPROACH/DESCRIPTION: To provide administrative, counseling and other country-financed training support services which simultaneously promote the sale of U.S. technology abroad and assist those countries able to pay for training. Programs are implemented through government-to-government agreements under FAA Section 607.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Program design, participant screening, short-term/long-term academic/non-academic placement, visa assistance, orientation, counseling, participant supervision, travel arrangements in the U.S., issuance of maintenance and other allowances and vendor payments (e.g., tuition and fees, health and accident coverage, transportation, etc.), evaluation and other related services as may be desired by participating governments. Generally, training is done in the U.S.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None.

EXAMPLES OF ACTIVITY: Two hundred forty Nigerian technical teachers come to the U.S. each year for bachelor's and master's degree studies in education sub-fields related to their vocational/technical specialties. Mid-level public officials from Guatemala come to the U.S. to pursue undergraduate and graduate degrees in various development-related disciplines. Public officials from Bahrain come to the U.S. to combine on-the-job training with non-degree courses in their respective fields.

GEORAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Rose M. Robinson, S&T/IT/RTP, (703) 235-9052.

CONTRACTOR/IMPLEMENTING ORGANIZATION: S&T/IT/RTP.

PROJECT: Training Evaluation and Support Services. #926-0071. Continuing project. Initial obligation FY 77. Funding through FY 85: $5.5 million.

PURPOSE/APPROACH/DESCRIPTION: To improve the quality and effectiveness of the AID participant training program, this project provides funding for five activities: (1) Support to AID Missions including guidance on country training plans, design of training projects, provision of pre-departure orientation and design of follow-up systems to maintain contact between returned participants, training institutions and Missions; (2) Evaluation of training operations and support of studies on alternative training technologies/methods to provide optimal training to meet Mission and individual participant needs; (3) Provision of community services to AID participants including airport pick-up, arrangement of immediate accommodations, arrangement of appointments with local business, education, labor and government leaders, as well as home hospitality; (4) Provision of on-campus support services for academic participants and small scale research on training- related issues; and (5) Reception services for AID participants entering the U.S. through the major points of entry of Honolulu, San Francisco, New York, Miami and Washington, DC.

RESEARCH OBJECTIVES: Small scale research on training-related issues.

SERVICES AVAILABLE: Field support to Missions; evaluation; and reception, community, and on-campus support services for participants throughout the U.S. These services are provided by S&T/IT staff, by contractual arrangements and by numerous community volunteers.

KEY PUBLICATIONS AVAILABLE THROUGH S&T/IT: Numerous publications, which address a variety of issues related to training of foreign students in the U.S., have been published by contractors working under this project.

EXAMPLES OF ACTIVITY: Since 1977 approximately 29,000 AID participants have received port of entry service, 25,000 have received home hospitality and other community services and nearly 17,000 have received on-campus support services. NAFSA-sponsored training activities at Title XII universities have been evaluated. Guidelines are being developed for Mission use in

preparing Country Training Plans and have been tested on a pilot basis in Malawi and Honduras. A microcomputer-based management tracking system is being developed for Mission use to monitor all phases of participant training activities. A Project Officers Guide also is being developed for Mission use.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICERS: Daniel Terrell, S&T/IT/PP, (703) 235-1879; Otto Schaler, S&T/IT/RS, (703) 235-1956; Matthew Seymour, S&T/IT/OD, (703) 235-1956; Joseph de Fonzo, S&T/IT/RS, (703) 235-1994.

CONTRACTOR/IMPLEMENTING ORGANIZATIONS: Washington International Center (WIC); National Association for Foreign Student Affairs (NAFSA); National Council for International Visitors (NCIV), through 92 community affiliates.

PROJECT: WIC Reception/Orientation. This activity at Meridian House International and the Washington International Center (WIC) provides service to AID-sponsored training participants and to other officially-sponsored foreign visitors. It is funded by the respective AID Office/Mission sponsor or non-AID sponsor, on a fee as used basis. This continuing activity has been supported by AID for more than 20 years and the AID component is managed through S&T/IT.

PURPOSE/APPROACH/DESCRIPTION: All AID-sponsored participants, whether programmed for long- or short-term training in the U.S., should be provided adequate orientation to the U.S. immediately upon arrival. Orientation should cover basic information on traveling and living in the U.S., e.g., banking facilities, health care, and broad exposure to U.S. culture, attitudes and institutions. It prepares new arrivals for a successful U.S. experience through prompt adjustment to a different culture.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: WIC representatives meet AID participants at area airports, facilitate their entry, help resolve individual problems and, if necessary, arrange accomodations and even provide financial loans. They provide instruction and conduct workshops. They show participants how to use public facilities, transportation and other services. They conduct guided tours, provide home hospitality and generally introduce U.S. culture and behavioral patterns to participants.

KEY PUBLICATIONS AVAILABLE THROUGH S&T/IT: WIC maintains an expanding series of publications and TV vignettes on pertinent topics addressed during workshops. It publishes a quarterly newsletter for current and alumni participants.

EXAMPLES OF ACTIVITY: Approximately 1200 AID participants receive reception/orientation services from WIC each year. The standard orientation program is five days, with a new program starting the first workday of each week. Specially-tailored orientations for groups can be arranged with minimal leadtime.

GEOGRAPHIC SCOPE: Reception/orientation takes place in the Greater Washington, DC area. Participants come from LDCs worldwide.

S&T PROJECT OFFICER: Otto Schaler, S&T/IT/RS, (703) 235-1956.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Meridian House International/Washington International Center, 1630 Crescent Place, N.W., Washington, DC 20009.

PROJECT: Mid-Winter Community Seminars (MWCS). This activity is managed through S&T/IT and is available to AID-sponsored training participants and others (e.g., sponsored by UN affiliated agencies, private organizations, foreign governments). It is funded by the respective AID office/Mission sponsor or non-AID sponsor, on a fee as used basis. Tnis continuing activity has been supported by AID for more than 20 years.

PURPOSE/APPROACH/DESCRIPTION: MWCS, offered in various U.S. cities during the holiday break, are an important supplement to participants' training programs. They are designed to expose participants to many aspects of U.S. life. While they provide a change of pace from academic studies, they are substantive programs centered around development-related issues. Topics include self-help, private enterprise, volunteerism, democratic institutions, resource and general management, local government, etc. All AID participants enrolled in long-term academic training programs are expected to attend.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: MWCS are approximately eight days long. They include workshops, study, practicums, on-site observation visits and discussions, as well as sight-seeing and home hospitality. MWCS can be individually tailored for groups to meet special requirements.

KEY PUBLICATIONS AVAILABLE FROM S&T/IT: Descriptions of the individual programs to be conducted in December each year are available the first week of September.

EXAMPLES OF ACTIVITY: Nearly 1000 participants attend MWCS in approximately 30 communities throughout the U.S. each year. The numbers are expected to increase substantially as MWCS become a regular element of a participant's total training program. Illustrative examples of MWCS planned for December 1984 include: Dallas, TX (community leadership); Columbia, SC (the business of agriculture); Salt Lake City, UT (management in the technological age).

GEOGRAPHIC SCOPE: MWCS take place throughout the U.S. Participants come from LDCs worldwide.

S&T PROJECT OFFICER: Otto Schaler, S&T/IT/RS, (703) 235-1956.

CONTRACTOR/IMPLEMENTING ORGANIZATION: National Council for International Visitors (NCIV), 1630 Crescent Place, N.W., Washington, DC 20009.

PROJECT: Participant Training Information System (PTIS) Data Entry. Contract. Initial obligation FY 80. Continuing project.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to provide data collection, entry and processing services for AID's computerized Participant Training Information System (PTIS) which is managed through S&T/IT. It enables S&T/IT to maintain, on an agency-wide basis, records of AID-sponsored participant training. It allows AID to respond quickly to requests from Missions, various AID offices, the Congress and others for statistics on AID-sponsored training.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Services include: (1) data collection using standardized formats; (2) entry, maintenance and updating of participant training information in the central, computerized data base; (3) generation of routine statistical reports on a regular basis and special reports as needed; and (4) provision of technical assistance on data collection and the production and distribution of reports.

KEY PUBLICATIONS AVAILABLE FROM S&T/IT: Statistical reports on AID-funded participants.

EXAMPLES OF ACTIVITY: Statistical data are collected, entered, processed and reported on approximately 10,000 AID-sponsored participants per year.

GEOGRAPHIC SCOPE: Services are performed in Washington, DC. Data is processed on AID participants from LDCs worldwide who are studying throughout the U.S. and in many third countries.

S&T PROJECT OFFICER: Judy S. McKeever, S&T/IT/RS, (703) 235-1984.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Evaluation Technologies, Inc., 2020 N 14th Street, Arlington, VA 22201.

PROJECT: Health and Accident Coverage (HAC) Program. Contract. Initial obligation FY 79. Continuing project.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to administer AID's self-insured health and accident coverage program which pays the reasonable and eligible costs of health services required by AID-sponsored participants while training in the U.S. It is AID policy that all AID-funded participants training in the U.S. be enrolled in this program.

RESEARCH OBJECTIVES: NA

SERVICES AVAILABLE: Processing and payment, in accordance with AID policies, prescribed rates and procedures, of medical claims submitted by AID-sponsored participants training in the U.S.

KEY PUBLICATIONS AVAILABLE THROUGH S&T/IT: The insurance plan brochure for participants.

EXAMPLES OF ACTIVITY: 9000-10,000 participants are trained in the U.S. each year. The average participant files two claims per year and the range of claims varies between $15 and $250,000. During the four year history of the self-insured program, 48,864 claims have been paid for a total of $4,151,220.

GEOGRAPHIC SCOPE: Claims are processed in the Washington, DC area. Participants come from LDCs worldwide and are receiving training at institutions throughout the U.S.

S&T PROJECT OFFICER: Judy S. McKeever, S&T/IT/RS, (703) 235-1984.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Trust Fund Administrators, Inc., 8720 Georgia Avenue, Suite 301, Silver Spring, MD 20910.

PROJECT: English Language Training and Materials Development Program. Contract. This continuing activity has been supported by AID for approximately 25 years. Annual funding is approximately $400,000.

PURPOSE/APPROACH/DESCRIPTION: The purposes are to provide: (1) continuous, year-round intensive English language training for AID participants in the U.S. and, upon request, overseas; (2) special English language training as requested by AID through S&T/IT; (3) professional consultative services; and (4) English proficiency tests and materials for use both in the U.S. and in overseas Missions.

RESEARCH OBJECTIVES: As required to prepare English proficiency tests for use of AID participants both in the U.S. and in overseas Missions. As required to prepare new teaching materials.

SERVICES AVAILABLE: Professional advisory services, upon request to S&T/IT, to overseas Missions to survey English-teaching methods and Mission testing procedures and to advise regarding improvements, both in substance and cost efficiency. English language training in the U.S. and, upon request, overseas.

KEY PUBLICATIONS AVAILABLE FROM S&T/IT: ALI/GU English Proficiency Tests are available directly from the English Language Officer.

EXAMPLES OF ACTIVITY: Sahel Manpower II In-Country English Language Training Feasibility Study, October/November 1983. Assessment of English language training programs in Indonesia utilized to prepare AID participants for overseas training, March/April 1983.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Hattie Jarmon, S&T/IT/PE, (703) 235-9416.

CONTRACTOR/IMPLEMENTING ORGANIZATION: American Language Institute, Georgetown University (ALI/GU).

PROJECT: Guidance on Admissions Requirements for Foreign Students to U.S. Colleges and Universities. Cooperative Agreement. This continuing activity has been supported by AID for approximately 20 years. Annual funding is approximately $100,000.

PURPOSE/APPROACH/DESCRIPTION: To augment the American Association of Collegiate Registrars and Admissions Officers (AACRAO)'s capabilities and activities regarding the admission, level of placement and enrollment of all foreign students, including all AID-sponsored participants, in U.S. colleges and universities. This is to ensure a smooth transition from a foreign educational system to the U.S. system of higher education.

RESEARCH OBJECTIVES: To undertake research projects, studies or analyses, as well as publications, monographs and directories designed to provide both knowledge and assistance to admissions officers and registrars in U.S. colleges and universities charged with responsibility for admission of foreign students, including AID participants.

SERVICES AVAILABLE: Review of foreign student credentials and degrees to facilitate admission to U.S. colleges and universities. Information dissemination on trends in admission requirements, minimum documentation needed for decision regarding eligibility for admission to U.S. universities and colleges, and tests required. Information dissemination on school calendar dates, costs and program offerings in U.S. colleges and universities.

KEY PUBLICATIONS AVAILABLE FROM S&T/IT: (1) Foreign Educational Credentials Required for Consideration of Admission to Universities and Colleges in the United States: Second Edition.
(2) No Two Alike: The Comparability Question in Foreign Student Admissions.

EXAMPLES OF ACTIVITY: Evaluation of foreign academic credentials of AID participants in terms of the U.S. system of education. Recommendation to U.S. colleges and universities regarding appropriate basis of admission and level of placement. Study of educational systems in other countries and provision of guidelines for comparison (comparability) to the U.S. system of education.

GEOGRAPHIC SCOPE: Worldwide.

S&T/PROJECT OFFICER: Hattie Jarmon, S&T/IT/PE, (703) 235-9416.

CONTRACTOR/IMPLEMENTING ORGANIZATION: American Association of Collegiate Registrars and Admissions Officers (AACRAO).

Directorate for Human Resources

OFFICE OF EDUCATION

(S&T/ED)

PROJECT: Radio Language Arts, #931-1017. Initial obligation FY 79, estimated completion FY 85. Life of project funding: $4.2 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose of the project is to teach English through daily 30-minute radio lessons to elementary school children in Kenya. This is one of four basic education radio projects sponsored by S&T/ED during this 10 year period. All radio projects utilize "interactive radio methodology" in which students are continually called upon to respond and supplement broadcasts with student worksheets, teacher orientation materials, and student tests. The project is designed so that the model can be replicated, with modifications, in other educational systems in the developing world.

RESEARCH OBJECTIVES: To determine whether radio instruction is cost effective in teaching English as a second language to primary school students.

SERVICES AVAILABLE:

--Technical assistance in project design or feasibility studies.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--"Reading by Radio."
--"Using Radio to Teach Language Arts."
--"Practical Decisions in Instructional Radio Innovation."
--"Writing the Instructional Radio Script."
--"Selecting Project Schools."
--"Sequencing Reading Skills for Teaching English by Radio."
--"Exploring a Cost-Effective Application of Educational Technology."
--"The Radio Language Arts Project Results From the First Year of Broadcasting--A Preliminary Report."
--"The Kenyan Language Setting."
--"The Use of Radio in Educational Development: Where Are We Now?"
--"Important Considerations in Planning a Radio Project".
--"English by Radio: Implications for Non-Formal Language Education."
--"An Introduction to the Instructional Materials of the Radio Language Arts Project" (Audio tape script and Audio tape).

PREVIOUS PAGE BLANK

EXAMPLES OF ACTIVITY:

Kenya--The project is developing radio broadcast lessons for the third and final year. Thirty-one rural and urban schools have been selected for participation in the pilot project. Summative testing of the first year shows significant gains by radio students in oral comprehensive (50% higher than students in traditional classrooms) and reading (25% higher).

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Julianne Gilmore, S&T/ED, AID/W, (703) 235-9006.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Academy for Educational Development.

PROJECT: Structuring Nonformal Education Resources, #931-1054. Initial obligation FY 79, estimated completion FY 86. Life of project funding: $7.2 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to improve LDC institutional capacity to design and carry out effective nonformal education (NFE) and training. The project is testing a "service agency" approach for institutionalizing the capacity to support interministerial, public, and private NFE activities. Through a service agency a national government can inventory and map existing NFE programs, improve the educational offerings of these programs by providing technical assistance, and help the best prorams expand into areas where people have traditionally had little access to any type of education by providing funds for their growth.

RESEARCH OBJECTIVES: None

SERVICES AVAILABLE:

--Project-related technical assistance, including project design and evaluation; Missions are expected to pay direct costs.

KEY PUBLICATIONS AVAILABLE FROM THE CONTRACTOR:

--A Semi-Systematic Approacn to Nonformal Education: Monograph, 1980.
--The Service Agency: Concept and Progress to Date, C. Krueger and L. Valdivia, Monograpn, 1984.

EXAMPLES OF ACTIVITY:

Lesotho--A service agency under the Ministry of Education provides tecnnical support to all governmental and private agencies in Lesotno requesting assistance in materials development, training, evaluation, and communications. Tne center nas funds for rural groups with income generating activities and/or educatinal goals.

Ecuador--A service agency nas been establisned with the Ministry of Agriculture. The Institute for Rural Training (INCCA) primarily concentrates on interministerial activities focusing on integrated rural development projects throughout the country.

Agriculture--In the Philippines, techniques developed from research findings on how to prevent rats from destroying coconut crops are being taught in the fields. NFE technical assistance helped extension agents to develop discussion guides, demonstrations, flip charts, posters, and a manual.

Women in Development--In Zimbabwe, consultants organized workshops on income generation possibilities for rural women's groups.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: James Hoxeng, S&T/ED, AID/W, (703) 235-8980.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Creative Associates.

PROJECT: Mass Media and Health Practices, #931-1018. Initial obligation FY 78, estimated completion FY 86. Life of project funding: $4.6 million.

PURPOSE/APPROACH/DESCRIPTION: To develop an effective methodology for using mass media in support of widespread adoption of public health practices. Combines different mass media elements with health service infrastructure to teach Oral Rehydration Therapy (ORT) and related health practices.

RESEARCH OBJECTIVES: None

SERVICES AVAILABLE:

--Resident advisor for 6-12 months to develop public health education interventions, with predominantly Mission funding.
--Short-term consultancies by project staff.
--Reports and implementation plans available.

KEY PUBLICATIONS AVAILABLE FROM S&T/ED:

--Teaching Mothers Oral Rehydration, Horizons.
--Integrating Mass Media, Print and Visual Aids, Diarrnoea Dialogue.
--Evaluating the Impact of Health Education Systems: One-year Honduras Data.
--Summary of Findings from the First Year of Evaluation of the Mass Media and Health Practices Project in The Gambia.

EXAMPLES OF ACTIVITY:

Honduras--After one year, 93% of women in the target area of 600,000 learned what ORT was and 48% reported using it to treat diarrhea.

The Gambia--After 8 months, 66% of the women knew the correct oral therapy formula and 47% reported using it to treat their child's diarrnea.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Anthony Meyer, S&T/ED, (703) 235-8850.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Academy for Educational Development, Stanford University.

PROJECT: Educational Technology: Studies and Applications, #931-1109. Initial obligation FY 79, estimated completion FY 89. Life of project funding: $10.5 million.

PURPOSE/APPROACH/DESCRIPTION: A "field support" project to assist Missions plan for projects having communications components, especially in education, health, agriculture and rural development.

RESEARCH OBJECTIVES: None

SERVICES AVAILABLE:

--Studies, consultants and workshops to assist Missions develop and implement projects having communications components.

--Assist Missions in the development of PIDs and PPs.

KEY PUBLICATIONS AVAILABLE: None

EXAMPLES OF ACTIVITY:

Liberia--A series of planning activities leading to the development of the Liberian Rural Communication (RADIO) Network.

Zimbabwe--Microcomputers in the management of primary school systems.

Ecuador, Honduras, Peru--Planning workshops developed strategies for use of radio and other media in health education related to water and sanitation projects and oral renydration therapy programs.

Indonesia--Consultants to plan and conduct seminar for new Open University. Separate planning activity for development of 5-year plan for the Open University.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Anthony Meyer, S&T/ED, AID/W, (703) 235-9006.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Institute for International Research.

PROJECT: Radio Community Basic Education, #936-5807. Initial obligation FY 81, estimated completion FY 86. Life of project funding: $4.3 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to produce, broadcast, and evaluate curriculum and instructional materials for children in grades 1-3, who study at radio education centers, under the direction of community monitors. The curriculum parallels school basic education in reading and math, with some health and social studies. A team of host country educators and broadcast specialists, with technical assistance by U.S. consultants, designs the curriculum, writes and records the scripts, arranges hour long daily broadcasts on a local station, supervises the centers, monitors, and carries out evaluation of the education program. The program addresses the need for rapid expansion of basic education without costly and time consuming school construction and teacher training.

RESEARCH OBJECTIVES: To determine whether radio instruction is cost-effective for teaching children without access to schools.

SERVICES AVAILABLE:

--Project-related technical assistance, including project identification and development.

KEY PUBLICATIONS AVAILABLE FROM S&T/ED:

--"RADECO: Radio-Based Primary Education in the Dominican Republic," Development Communication Report, No. 42, June 1983.

EXAMPLES OF ACTIVITY:

Dominican Republic--The Radio Community Education Project in the rural southwestern region has completed first year lesson broadcasts. Initial results show project students' mean achievement score is 53.6 compared to 22 for control students in schools. The second year of broadcasting to children in 21 community centers began January 1984. The third level begins in January 1985. The community monitors at the centers oversee the education of the children and are organizing groups of younger children to begin first year studies.

GEOGRAPHIC SCOPE: Worldwide.

PROJECT OFFICER: Jean Meadowcroft, S&T/ED, AID/W, (703) 235-8850.

CONTRACTOR/IMPLEMENTING ORGANIZATION: InterAmerica Research Associates

PROJECT: Development Communication Clearinghouse, #931-1231 Initial obligation FY 77, estimated completion FY 89. Life of project funding: $2.8 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to provide AID/W Mission staff and host country counterparts with information and examples of the use of communications in education, health, agriculture, and rural development. This project has two basic elements: (1) dissemination of information via publications, films, videotapes and slides, and direct response to inquiries; (2) houses a collection of approximately 12,000 documents which is a central resource for research on development communications and as a reference service for the field.

RESEARCH OBJECTIVES: None

SERVICES AVAILABLE:

--Provides materials for AID-sponsored workshops and seminars for training AID and host country personnel in successful applications of radio, microcomputers, video, print media and other communications technologies.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Quarterly publication "Development Communication Report."
--Evaluation reports of AID-funded projects having communications components.
--Project PROFILES of some 72 projects having communications components.

EXAMPLES OF ACTIVITY:

AID/W--Provided compilation of broadcast radio services available to rural African audiences.

Swaziland--Provided customized materials for workshop on health education.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Anthony Meyer, S&T/ED,AID/W, (703) 235-9006.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Academy for Educational Development.

PROJECT: Rural Satellite Program, #936-5811. Initial obligation FY 79, estimated completion FY 86. Life of project funding: $11 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to demonstrate, through a small number of pilot projects, to satellite providers (notably INTELSAT) that satellite traffic, rules for access and physical design should be modified to support rural communication services. (INTELSAT's new VISTA Service and Project Snare are indicative of such progress.) To lower the cost of earth stations for use in rural environments.

RESEARCH OBJECTIVES: (1) Project has funded development of a small (4.5m) earth station for thin-route, rural applications. (2) In cooperation with the Office of Science Adviser the project has supported R&D for a single channel, small, low-cost (U.S. $5-15) TV receiver for possible manufacture and distribution in LDCs. (3) In cooperation with NASA-Lewis Research Center and S&T/EY, the project has supported R&D of a photovoltaic power system for small low-cost earth stations (to be field tested in Indonesia in FY 85).

SERVICES AVAILABLE:

--Contractor available to provide mission-funded technical assistance in analysis of telecommunicatin problems and possible solutions through satellite-based or other technologies, especially related to two-way distance teaching systems.

--Extensive library of satellite technology developments with emphasis on applications for rural development.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--UPLINK, a semi-annual newsletter detailing rural satellite project pilot project developments in Indonesia, Caribbean and Peru.
--"Satellite Options for Rural Telecommunicatins in Developing Countries."
--"Study of the Financing of Rural Telecommunications Investment."
--"Parametric Study of Low Density Earth Stations."

EXAMPLES OF ACTIVITY:

Indonesia--Developed satellite-based two-way distance teaching system linking 11 campuses of the Eastern Islands University Association with the Ministry of Education, Jakarta and the Agricultural University at Bandung. Trained faculty in two-way distance teaching methodology. Trained university technicians to operate and maintain the system. Conducting formative and summative evaluation of project.

Caribbean--Linked 3 main campuses and two extra mural centers of the regional University of the West Indies through a two-way distance teaching system.

Peru--Linked 3 market center towns with several remote villages via 3 small two-way earth stations and two-way radio-telephone circuits. Ministries of Education, Health and Agriculture use system for instructional, in-service training and administrative applications.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Lawrence Frymire, S&T/ED, AID/W, (703) 235-9006.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Academy for Educational Development, Abt Associates.

PROJECT: Radio Science, #936-5818. Initial obligation FY 84, estimated completion FY 90. Life of project funding: $8.0 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to develop a tested model for using radio to provide effective primary school science instruction at low cost. The project will develop science lessons for broadcast to rural school classrooms. The lessons will be accompanied by simple materials and science equipment. Workshops and broadcasts for teachers will support the lessons. Broadcasts will be developed sequentially for four levels of primary school grades. Rigorous formative evaluation at the classroom level will be used for rapid feedback of information on student learning and understanding. Annual summative evaluations will compare student achievement with control classes.

RESEARCH OBJECTIVES: To determine whether radio instruction is cost-effective in teaching science to primary school students.

SERVICES AVAILABLE:

--Project-related technical assistance in project design.

KEY PUBLICATIONS AVAILABLE:

--New project. None to date.

EXAMPLES OF ACTIVITY:

--New project. Site selection in process.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Jean Meadowcroft, S&T/ED, AID/W, (703) 235-8850.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Education Development Center.

PROJECT: Improving the Efficiency of Education Systems (IEES) II, #936-5823. Initial obligation FY 84, estimated completion FY 94. Life of project funding: $17 million.

PURPOSE/APPROACH/DESCRIPTION: The purpose of the project is to improve the efficiency of education and training systems in selected developing countries by building stronger indigenous institutional capabilities for education and human resources (EHR) sector assessments, planning, policy analysis, implementation, administration, and evaluation. The project will be implemented in conjunction with mission programs in at least five African countries and one each in Asia and Latin America.

RESEARCH OBJECTIVES:

--Select and implement research and development activities to improve EHR sector efficiencies in the participating countries.

SERVICES AVAILABLE:

--Contract/Mission funded add-ons and cost sharing.
--Training workshops and conferences.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI, S&T/ED, AND CONTRACTOR:

--Education and Human Resources Sector Assessments for Botswana, Liberia, Somalia completed under IEES I.

EXAMPLES OF ACTIVITY:

Botswana--After EHR sector assessment, assisted Mission to develop PID and PP for Junior Secondary Education Improvement Project.
Liberia--Following EHR sector assessment, assisted Mission to prepare PP for Improved Efficiency of Learning II project.
Somalia--EHR sector assessment was followed by a study of needed civil service reforms. Assisted Mission to prepare PP for EHR Management Development and Training Project.
Niger--Assisted Mission plan bilateral EHR portfolio, and prepare to update EHR sector assessment.

GEOGRAPHIC SCOPE: Worldwide

S&T PROJECT OFFICER: Joan Claffey, S&T/ED, AID/W, (703) 235-8980

CONTRACTOR/IMPLEMENTING ORGANIZATION: Florida State University with Institute for International Research and State University of New York at Albany.

Bureau for Science and Technology

DIRECTORATE FOR HEALTH AND POPULATION

(S&T/HP)

Directorate for Healtn and Population

OFFICE OF POPULATION

(S&T/POP)

PREVIOUS PAGE BLANK

PROJECT: Natural Family Planning Education and Training, #936-3029. Initial obligation FY 84, estimated completion FY 85. Life of project funding: $1,100,000.

PURPOSE/APPROACH/DESCRIPTION: To make information on natural family planning (NFP) more widely available in developing countries and to expand the choices available to couples who wish to plan their families.

This project provides information and training on the Billings Ovulation Method (BOM) of NFP through three distinct but interrelated activities: (1) production and distribution of a film on the BOM for family planning (FP) service providers; (2) production and distribution of other educational materials for use in teaching and practicing the BOM; and (3) development and implementation of a U.S.-based training course for Latin Americans who wish to become trainers of BOM teachers. The film and educational materials will be in five languages - Arabic, French, Spanish, Portuguese, and English; the training of trainers will be conducted in Spanish.

The film will be designed to meet the needs of FP service providers and will include a full and accurate description of the BOM, including its advantages, disadvantages, and effectiveness. The educational materials, posters, and user kits will simplify the teaching and practice of the BOM. The training of trainers course for Latin Americans will be held at the recipient's headquarters in Louisiana. This will be an intensive ten-day course which will integrate theoretical content on BOM with state of the art training methods. Trainees will be able to provide in-country teacher training upon their return.

RESEARCH OBJECTIVES: Not applicable to this project.

SERVICES AVAILABLE:

--Film on BOM of NFP in English, Spanish, Portuguese, French, and Arabic.
--BOM user kits in English, Spanish, Portuguese, French, and Arabic.
--Curriculum for trainers of BOM teachers in English and Spanish.

PREVIOUS PAGE BLANK

KEY PUBLICATIONS AVAILABLE:

None to date. However, it is anticipated that sample curriculum, BOM kits and teaching posters, and reports, will be available as produced and distributed.

EXAMPLES OF ACTIVITY:

Mandeville, LA--Ten-day training institute conducted in Spanish for potential trainers of BOM teachers in Latin America.

GEOGRAPHIC SCOPE: Worldwide (film and educational materials); Latin America/Caribbean (training of trainers).

S&T PROJECT OFFICER: Marilynn Schmidt, ST/POP/IT, AID/W, 703-235-9867; Charlotte Ureksoy, S&T/POP/IT, AID/W, 703-235-9675.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Family of the Americas Foundation, Inc.

PROJECT: Family Planning Training for Paramedical, Auxiliary and Community (PAC) Personnel II, #936-3031. Initial obligation FY 84, estimated completion FY 89. Life of project funding: $34,000,000.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to strengthen or develop the capacity of LDC institutions and agencies to design, implement and evaluate a program of training activities so that various PAC workers will be able to provide family planning (FP) services. Cooperating agencies implement the project using strategies designed to be most appropriate to the region in which they are working.

As follow-on to the PAC I project, PAC II will continue to provide assistance in training family planning paramedical workers (including nurses and midwives). In contrast to PAC I, the emphasis in PAC II will be on assisting LDC institutions develop the capability to carry on effective, technically self-sustaining family planning training programs for PAC workers. Assistance will include technical and other support to develop and strengthen family planning training institutions and programs; short-term technical assistance to fill needs for specific technical expertise in on-going programs; and assistance in conducting training programs, assessing training results and incorporating the findings into subsequent courses. Continuing assessment and improvement of training activities will be given special emphasis in this project. Within the project framework, a wide variety of PAC workers may participate in training activities conducted by LDC programs and institutions assisted under this project. Project efforts will concentrate on strengthening the skills of those personnel who train, manage or supervise other PAC workers. The project emphasizes training in the content areas of management/supervision, training of trainers, service delivery skills and pre-service preparation. Types and levels of assistance vary to meet needs specific to geographic regions and individual countries.

RESEARCH OBJECTIVES: Evaluation is a significant part of the PAC II project. Certain levels of evaluation are important to judge the effectiveness and efficiency of various types of training.

SERVICES AVAILABLE:

--Technical and material assistance to LDC institutions to assist them to become technically capable to carry out in-country and regional family planning training for PAC workers.

--Design, implementation and evaluation of training programs.

--Selected support for U.S. and third country training for LDC individuals. This includes some support for study and observational travel tnat will contribute to the project purpose.

--Short-term technical assistance in training to host country governments, family planning organizations or A.I.D. missions for which no project follow-on is anticipated.

KEY PUBLICATIONS AVAILABLE:

None to date as this a new project. However, it is anticipated that trip reports, evaluation reports, seminar/conference/workshop reports will be available as produced and distributed.

EXAMPLES OF ACTIVITY:

Nigeria--Assist the Government to develop training programs in each of the nineteen states under the accelerated state program (Family Planning, Oral Rehydration, Immunization).

Jordan--Short-term technical assistance to Ministry of Health in order to assist in the integration of family planning into the curriculum of schools of nursing.

Philippines--Technical and material assistance to the Institute of Maternal and Child Health (IMCH) to provide clinical family planning training for nurses and midwives in the Asia region.

GEOGRAPHIC SCOPE: Worldwide. Inputs, emphases and deliverables vary by geographic region.

S&T PROJECT OFFICER: Marilynn A. Schmidt, Charolotte Ureksoy (Africa/Asia); Anselmo Bernal (LAC), 703-235-9867; Melody Trott (N.E), 703-235-9675, ST/POP/IT, AID/W.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Program for International Training in Health (INTRAH)--Africa and Asia; Development Associates, Inc.--Latin America; Ronco Consulting Corporation--Near East.

PROJECT: Population Communication Services (PCS), #936-3004. Initial obligation FY 82, estimated completion FY 87. Life of project funding: $10,000,000.

PURPOSE/APPROACH/DESCRIPTION: This project is designed to develop and expand the abilities of population/family planning specialists in LDCs to design, carry out and evaluate communication programs. To public and private organizations with such programs it offers assistance in most phases of communication endeavor: audience identification, message formulation, determination of media mix, materials production and testing, and follow-up evaluation of impact. It seeks also to improve the coordination of communication activities among LDC agencies and organizations.

RESEARCH OBJECTIVES: Using many of the criteria utilized in operations research, the project focuses on and analyzes experiential data from communications activities in the countries where it either maintains ongoing projects or gives technical assistance.

SERVICES AVAILABLE:

--Expert communications needs assessments and strategy planning.
--Short-term technical assistance in media programming and production, including dissemination.
--Support and arrangements for seminars and workshops overseas and, in some instances in the U.S.
--Full or partial financial support for communications activities.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

Certain country information/education/communication (IEC) needs assessment reports conducted by the project in 1983 and 1984.

EXAMPLES OF ACTIVITY:

Zimbabwe, Nepal and Sri Lanka--IEC Needs Assessment and IEC Strategy Planning (1983).

Nigeria, Zimbabwe, Bourkina Faso, Nepal, India, Jordan, Honduras, Costa Rica, Mexico and Colombia--Population IEC country projects (involving print, radio/TV and films production and distribution network planning).

Latin America and Africa--Regional radio and TV projects program message content through multi-national networks and workshops for jounalists and broadcasters (both commencing in 1984).

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Marschal Rothe, ST/POP/IT, AID/W, 703-235-9867.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Johns Hopkins University (JHU); The Academy for Educational Development (AED); the Program for Introduction and Adaptation of Contraceptive Technology (PIACT); and Needham, Porter & Novelli.

PROJECT: Training in Reproductive Health, #932-0604. Initial obligation FY 73, estimated completion FY 90. Life of project funding $85,000,000.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to upgrade the knowledge and skills of LDC medical professionals in the field of reproductive health with particular emphasis on family planning amd provide appropriate surgical equipment to institutions of trainees to facilitate institutionalization of tnis type of training and service in LDCs.

RESEARCH OBJECTIVES: There are no specific research objectives to this project but follow-up of trainees confirms tne extensive service and training they provide.

SERVICES AVAILABLE:

--Seven 2-3 week courses in specific aspects of reproductive health are given in French or English in Baltimore each year.

--In-country training programs in family planning and reproductive health are supported in more than 25 countries.

--Equipment maintenance and repair facilities are supported in twelve countries.

--Surgical equipment is provided to approximately 200 institutions.

--Reproductive Health/FP courses are established in LDC schools of medicine and nursing.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Annual Reports of the JHPIEGO Corporation 1975-1983.
--Annual Trainee follow-up Evaluation Report 1976-1983.
--APHA Evaluation - January 1980.
--APHA Management Review - June 1983.

EXAMPLES OF ACTIVITY:

Morocco--JHPIEGO supports the National Reproductive Health Training Center and provides it with laparoscopic and minilap equipment. This Center trains Ob-Gyn/General Surgeons, from every provincial hospital in Morocco, to provide voluntary

sterilization services. This Center is also utilized by JHPIEGO to provide F.P. training to medical professionals from other francophone countries of Africa.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Dr. Andrew T. Wiley, ST/POP/IT, AID/W, 703-235-9675.

CONTRACTOR/IMPLEMENTING ORGANIZATION: The JHPIEGO Corporation.

PROJECT Population Information Program (PIP), #936-3032. Initial obligaton FY 84, estimated completion FY 87. Life of project funding: $8,000.000.

PURPOSE/APPROACH/DESCRIPTION: To inform population/family planning professionals--particularly in LDCs--of new developments in fertility management, family planning programs, demographic change, law and social policy, and other areas of concern to international population programs. This project produces scientific, technical, and program information that has become a highly credible source of guidance around the world for family planning program administrative and medical decisions, training, and projections of population problems in many LDCs. This project is a continuation of earlier projects, which began in 1972.

RESEARCH OBJECTIVES: To provide researchers, programs administrators, and other professionals with accurate information to make informed decisions.

SERVICES AVAILABLE:

--From its computerized data base and original research sources, the project publishes Population Reports in five languages. These deal with contraceptive methods--oral contraceptives, intrauterine devices, barrier methods, periodic abstinence, injectables and implants, voluntary sterilization; law and policy; family planning program issues; issues in world healtn (e.g., oral rehydration therapy for childhood diarrhea); and special topics.

--The project's POPLINE data base, containing nearly 116,000 citations, has been merged into the National Library of Medicine information network, called MEDLARs. The POPLINE computerized information system provides comprehensive scientific, legal and technical information to researchers and program leaders.

--The Population Projects Database, a computerized Management Information System on family planning and population activities, provides information on AID-funded population assistance by country, region, project and special interest.

KEY PUBLICATIONS AVAILABLE FROM S&T/POP/IT or PIP/JHU:

All publications produced by this project .

EXAMPLES OF ACTIVITY:

Worldwide--PIP will publish 5-7 Population Reports a year. Approximately 230 Reports have been published so far. These are disseminated worldwide to FP medical and paramedical professionals, FP administrators, LDC development leaders and experts in FP-related fields. Population Reports are mailed to over 80,000 addressees worldwide.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Charlotte Ureksoy, ST/POP/IT, AID/W, 703-235-9675.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Population Information Program (PIP), Johns Hopkins University.

PROJECT: Population Service Internship Program (PSIP); #936-3033. Initial obligation FY 84, estimated completion FY 89. Life of project funding: $3,600,000.

PURPOSE/APPROACH/DESCRIPTION: The purpose of PSIP is to provide technical assistance to LDC population (P) and Family Planning (FP) programs while concurrently providing overseas experience for recent U.S. college/university graduates or mid-career professionals in population-related fields through internships overseas.

As interest in population and family planning programs increases in LDCs, the demand for technical assistance also grows. This project supplies LDC P/FP programs--both in the private and public sectors--with the skills of interns who are recent graduates or mid-career professional in population-related fields. These skills may be applied to demographic analysis; computer programming; policy work; information, education and communication; training, management, clinical services, program evaluation and other areas. Interns are selected on the basis of their skills identified as relevant to LDC programs and are recruited through professional publications and meetings. An Advisory Board composed of representatives of the University of Michigan, the University of North Carolina, UCLA, Columbia University, Johns Hopkins University, the Population Council, UNFPA and the AID project manager meets twice yearly to advise on intern selection, overseas placement sites and related issues. Interns serve overseas for 18 to 24 month terms and receive stipends as well as travel and other costs. Priority will be given to AID-supported projects in Africa but other areas and projects supported by other donors are eligible.

RESEARCH OBJECTIVES: None

SERVICES AVAILABLE:

The services of interns will be available only within specific LDC projects or programs. They consist of technical assistance in the areas of demographic analysis, computer applications for family planning programs, clinical services, training, program design or evaluation, development of information, education and communication (IEC) campaigns.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--None.

EXAMPLES OF ACTIVITY:

PSIP offers LDC population/family planning programs the services of highly trained interns who are recent U.S. graduates in population-related fields or mid-career professionals. Activities these interns will undertake encompass a range of needed program inputs.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Elaine Murphy, ST/POP/IT, AID/W, 703-235-9867.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Center for Population Planning, University of Michigan.

PROJECT: Strategies for Improving Service Delivery, #936-3030. Initial obligation FY 84, estimated completion FY 88. Life of project funding: $39,645,000.

PURPOSE APPROACH DESCRIPTION: The purpose of the project is to improve, through operations research the quality, accessibility and cost effectiveness of family planning and maternal-child health service delivery programs in LDCs.

RESEARCH OBJECTIVES: The project will support empirical studies which measure the effect and/or impact of alternative service delivery strategies. The objective of this iterative process of changes in the service delivery systems and measurement of behavioral change is to identify and implement, on a wider scale, delivery programs which will be more useful for the consumer and more efficient and effective for the provider.

SERVICES AVAILABLE:

--Technical assistance to design operations research projects.
--Funds to support alternative service delivery implementation.
--Funds to collect and analyze data.
--Technical assistance for research activities.
--Dissemination activities (i.e. workshops, conferences, reports, etc.).

KEY PUBLICATIONS AVAILABLE FROM ST/POP/R:

--Evaluating Population Programs: International Experience with Cost-effectiveness Analysis and Cost-Benefit Analysis, Ismail Sirageldin, David Salkever and Richard W. Osborn, eds. (New York: St. Martin's Press, 1984, pp. 534).

--Handbook for Family Planning Operations Research Design, Andrew Fisher, John Laing and John Stoeckel (New York: The Population Council, 1983, pp. 64).

--Project summaries of all 53 ongoing projects and many of the previous 32 projects.

EXAMPLES OF ACTIVITY:

--In Colombia the acceptability and cost effectiveness of providing natural family planning in the public health system by regular nurse and special instructors is being tested.

--In the Eastern Caribbean a subsidized contraceptive marketing project which uses advertising and existing commercial outlets is being evaluated.

--In Sri Lanka the effect of using satisfied IUD users as program promoters is being assessed.

--The impact of household distribution of contraceptives on fertility was assessed in Bangladesh.

--The feasibility of providing contraceptives through household visits was demonstrated in Brazil, Colombia, Egypt, Haiti, Mexico, Morocco, Nigeria, Sudan, Tunisia and Zaire.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Elizabeth Maguire, S&T/POP/R, AID/W, (703) 235-9686.

CONTRACTOR IMPLEMENTING ORGANIZATION(S): Columbia University (Africa, Near East, Haiti); The Population Council (Asia, Latin America); Tulane University (Caribbean, Zaire); Johns Hopkins University, University of Michigan, National Academy of Science (Worldwide), International Federation for Family Life Promotion (Africa).

PROJECT: Family Health International, #932-0537. Initial Obligation FY 71, estimated completion FY 89. Life of project funding: $95,000,000.

PURPOSE APPROACH DESCRIPTION: This project 1) conducts comparative clinical trials on safety and efficacy of various fertility control methods under local conditions; 2) trains overseas clinicians in fertility control techniques; 3) collects, analyzes and disseminates data findings of fertility control; 4) establishes national fertility research programs; 5) provides limited equipment and supplies of new contraceptives technology; 6) assesses impact of fertility control modalities and delivery systems, and 7) conducts epidemiologic safety studies of fertility control methods.

RESEARCH OBJECTIVES: To test, assess and improve fertility regulation technologies and to dissemination information on their safety, effectiveness, and acceptability.

SERVICES AVAILABLE:

--Multicenter evaluation of effectiveness and/or safety of new currently available contraceptive drugs, methods, or devices in both developed and developing country settings.

--Epidemiologic studies related to contraceptive use, acceptability, safety, and issues related to maternal-child health.

--Transfer of tecnnology to developing world researchers in the form of computer hardware and software and training in their use for contraceptive and family planning studies.

--Development of professional/training conferences for developing country researchers.

KEY PUBLICATIONS AVAILABLE FROM ST/POP/R:

--Semiannual and Annual Reports covering project activities.

--Network, a quarterly news publication of Family Health International research projects and current activities in contraceptive development.

--International Journal of Gynaecology and Obstetrics, a scholarly, refered medical journal primarly interested in contraception and family health issues.

EXAMPLES OF ACTIVITY: This project has documented the comparative safety, efficacy, and acceptability in different LDC settings of methods such as minilap and laparoscope sterilization, postpartum IUDs and various barrier contraceptives. Several national fertility programs have been established with the capability to conduct their own research studies (e.g., Bangladesh, Colombia, India, Indonesia, Tunisia, Malaysia and Sudan). Project activities have included technology transfer and related training and extensive maternity care monitoring studies.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Russel J. Thomsen, M.D., S&T/POP/R, AID/W (703) 235-9692.
Laneta Dorflinger, S&T/POP/R, (703) 235-9686.

CONTRACTOR IMPLEMENTING ORGANIZATION(S): Family Health International.

PROJECT: Family Planning Program/World Wide Training Fund, #932-0651. Initial obligation FY 72, estimated completion - continuing.

PURPOSE/APPROACH/DESCRIPTION: To increase understanding and professionalism among population/family planning personnel from LDCs in the areas of population/family planning supervision, management, and evaluation; training of trainers; maternal/child health; and family planning clinical skills.

Funds for short-term participant training are made available by this project to LDCs where there are no U.S. bilateral activities, where existing U.S. A.I.D. Missions have no other funds to finance U.S. training or where the host countries are unable to finance the training. Most participants who receive training under this project are from Africa, although participants from other regions are also eligible for project support.

RESEARCH OBJECTIVES: None in this project.

SERVICES AVAILABLE:

Short-term training in family planning and population-related fields for participants from LDC's which do not have USAID bilateral, international or host country resources to provide financial support.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

EXAMPLES OF ACTIVITY:

--Review and evaluation by ST/POP/IT of short-term courses offered through U.S. and LDC training resources.

--Provision of information to USAID's and host country institutions about content of training courses, dates, costs and prerequisites.

--Sponsorship of short-term participant training to improve clinical family planning skills of nurses and midwives; strenthen training program design and management skills; and introduce participants to specialized topics such as adolescent fertility.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Melody Trott, ST/POP/IT, AID/W, 703-235-9675.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Various U.S. and LDC educational and training institutions.

PROJECT: Program for Applied Research on Fertility Regulation #932-0546. Initial obligation FY 82, estimated completion FY 86. Life of project funding: $27,378,000.

PURPOSE/APPROACH/DESCRIPTION: This project seeks to develop new and improved methods of contraception (e.g. male and female reversible and non-surgical sterilization techniques, drugs which inhibit ovulation, new delivery systems for contraceptives) and fertility control especially appropriate for use in less developed countries. It supports small research grants (up to approximately $66,000) to investigators with suitable leads in applied contraceptive research. This could include animal and early humans studies including small multicenter clinical trials. PARFR also organizes state-of-the-art workshops on contraceptive research, development and technology.

RESEARCH OBJECTIVES: As above.

SERVICES AVAILABLE: While most activities are necessarily carried out in the United States, research proposals are welcomed from developing country investigators. These may initially be submitted in very simplified form. Selected clinical investigators may also participate in international multicenter trials. An annual international workshop is generally conducted in the U.S. with participation highly selective to the subject area. One annual seminar is usually conducted in a developing country (e.g. Egypt in 1983) with significant regional participation.

KEY PUBLICATIONS AVAILABLE FROM ST/POP/R:

--Semiannual Reports.
--"Research Frontiers in Fertility Regulation."
--Proceedings of International Workshops.

EXAMPLES OF ACTIVITY:

--Study of the "shug" device for reversible occlusion of the vas (sterilization) in the male, with Rush-Presbyerian-St. Lukes Medical Center in Chicago.

--Multicenter trial of 90-day microsphere injectable noretnindrone.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Jeffrey M. Spieler, ST/POP/R, AID/W, (703) 235-9086.

CONTRACTOR IMPLEMENTING ORGANIZATION(S): Program for Applied Research on Fertility Regulation.

PROJECT: Integrated Population/Development Planning II (INPLAN), #936-3027. Initial obligation FY 84, estimated completion FY 87. Life of project funding: $6,306,000.

PURPOSE/APPROACH/DESCRIPTION: The purpose of the project is (1) to strengthen technical capabilities of planning institutions to understand population-development links and to incorporate population considerations in development planning, and (2) to foster dialogue between planners and policy-makers encouraging policies based on this understanding.

RESEARCH OBJECTIVES: To support small, ideally secondary, research analyses which provide important information on key population-development links and contribute to development planning work.

SERVICES AVAILABLE:

--Two-week training courses in principles and methodologies for population and development planning.

--Three-month training programs in population and development planning at University of Michigan and Research Triangle Institute.

--Technical assistance in developing and applying microcomputer-based planning models.

--Transfer of microcomputer equipment and training in planning applications for microcomputers.

--Research support for investigating key population-development links relevant to development planning work.

KEY PUBLICATION AVAILABLE FROM PPC/CDIE/DI:

- IPDP Semi-Annual Report series.

EXAMPLES OF ACTIVITY:

--Worldwide - sponsored two-week seminar on population and development planning for 36 high-level planning officials, featuring presentations by prominent international experts in population- and development-related fields.

--Nigeria - provided microcomputer equipment and conducted three-week training program in microcomputer applications for population and development planning to 26 planners from eight government institutions.

--Thailand - developed microcomputer-based economic model for evaluating the costs versus benefits of the national family planning program.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Scott Radloff, S&T/POP/PDD, AID/W, (703) 235-8081.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Research Triangle Institute (RTI).

PROJECT: Resources for Awareness of Population Impact on Development (RAPID II), #936-3017, Initial obligation FY 83, estimated completion FY 88. Life of project funding: $8,900,000.

PURPOSE/APPROACH/DESCRIPTION: To raise awareness of LDC leadership of the basic relationship between population growth and development and to examine population and family planning issues which affect or are affected by development objectives.

RESEARCH OBJECTIVES: To study population policy development issues which will provide host country governments with a clearer understanding of demographic dynamics and their impact on national socioeconomic development objectives.

SERVICES AVAILABLE:

--Microcomputer based analyses of population factors and their relationships to development goals at national and regional levels and by sector.

--Training in uses of microcomputers, and transfer of technology.

--Support for studies and seminars to analyze, evaluate and disseminate results of policy studies by host country institutions.

--Application of special computer models on: the proximate determinants of fertility, findings of the World Fertility Surveys and the Contraceptive Prevalence Surveys, contraceptive acceptor and method mix to attain demographic goals, and cost/benefit analysis of population programs.

KEY PUBLICATION AVAILABLE FROM PPC/CDIE/DI: N/A

EXAMPLES OF ACTIVITY:

--Mexico - technology transfer for national regional analysis with private sector institutions, and similar activities with national level organizations in cooperation with other multilevel donors.

--Cameroon - national-level model of population and socioeconomic development, agricultural model, policy studies by host country institutions, small surveys on knowledge and practice of contraception, national and local level seminars.

GEOGRAPHIC SCOPE: Worldwide, with major focus on sub-Saharan Africa.

S&T PROJECT OFFICER: H. Cross/A. Allison, S&T/POP/PDD, AID/W, (703) 235-8081.

CONTRACTOR/IMPLEMENTING ORGANIZATION: The Futures Group and subcontractors: The Center for Population Planning, University of Michigan, The Carolina Population Center, University of North Carolina, The Demographic Information Service Center.

PROJECT: The Population Council Program, #936-3005. Initial obligation FY 78, estimated completion FY 88. Life of project funding: $11,106,009.

PURPOSE/APPROACH/DESCRIPTION: The Population Council Program supports biomedical research, social science research, operations research, training and dissemination of information. The biomedical research focus is on the development of new contraceptive technology and the improvement of existing technology. With new technology, such as NORPLANT[R] contraceptive implants, acceptability studies provide governments with information about the method. The social sciences and operations research focus is on strengthening local, regional and national institutions and on the understanding of public policy issues bearing on population.

RESEARCH OBJECTIVES: To develop improved technology for fertility regulation. To improve delivery, use and effectiveness of family planning services in LDCs.

SERVICES AVAILABLE: Research, particularly in contraceptive development, is designed and carried out by the Population Council and International Committee for Contraception Research. In general, research proposals from outside sources are not accepted. However, an exception to this is currently the introduction activities of NORPLANT[R] contraceptive implants.

KEY PUBLICATIONS AVAILABLE FROM ST/POP/R: Research reports for all projects funded under this project.

EXAMPLES OF ACTIVITY:

--Clinical trials of the effectiveness and acceptability of NORPLANT[R] subdermal contraceptive implants.

--Clinical trials to assess the effectiveness and continuation rates of new copper and hormone-releasing IUDs.

--Training of physicians and paramedical workers for insertion and removal of NORPLANT[R] as related to introduction activities worldwide.

--Research on cost and use-effective ways of integrating Natural Family Planning into public Sector health and family planning programs.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: ST/POP/R, AID/W, James D. Shelton, Laneta Dorflinger, (703) 235-9686.

CONTRACTOR/IMPLEMENTING ORGANIZATION(S): Population Council.

PROJECT: Family Health and Demographic Surveys, #936-3023. Initial obligation FY 84, estimated completion FY 89. Life of project funding: $21,000,000.

PURPOSE/APPROACH/DESCRIPTION: The purpose of this project is to improve the information base for economic and social planning and population/health program management in developing countries through implementation of scientifically designed sample surveys of demographic and family health trends. Ancillary objectives are (1) to make significant advances in both the methologies and procedures for conducting surveys of this type, and (2) to emphasize institutionalization of LDC capabilities to undertake high quality demographic and family health surveys in the future.

RESEARCH OBJECTIVES: See purpose statement.

SERVICES AVAILABLE:

--Development and testing of new survey methodologies and procedures.
--Demographic and family health surveys, including in-depth surveys.
--Archiving and dissemination of survey and other findings.
--Further analysis studies on special topics.

KEY PUBLICATIONS AVAILABLE FROM ST POP R: New project, no publicaions yet.

EXAMPLES OF ACTIVITY: New project, no survey activity yet. Generally, surveys will be similar to surveys undertaken by Contraceptive Prevalence and World Fertility Survey projects.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Richard M. Cornelius, ST/POP/R, (703) 235-9692.

CONTRACTOR IMPLEMENTING ORGANIZATION(S): Westinghouse Public Applied Systems.

PROJECT: Demographic Data for Development, #936-3000.a. Initial obligation FY 82, estimated completion FY 88. Life of project funding: $7,500,000.

PURPOSE/APPROACH/DESCRIPTION: To strengthen the capacity of developing countries to process, evaluate and analyze demographic and family planning data as well as other social and economic data.

RESEARCH OBJECTIVES: N/A

SERVICES AVAILABLE:

--RSSA with DOC/BuCen; cost-sharing through RSSA arrangements can be made.

--Technical assistance including implementation of censuses and processing census and survey data.

--Needs assessment studies for project related technical assistance.

- Compilation of population data for analysis.

--Strengthening LDC statistical institutions through workshops, training, and computer software.

--World Population Reports indicating demographic situations of various countries.

--Manuals on implementing population census and computer programs for processing data.

KEY PUBLICATION AVAILABLE FROM PPC/CDIE/DI: N/A

EXAMPLES OF ACTIVITY:

--Somalia - Two workshops: for high level executives on planning and budgeting a national population census and for mid-level professionals in designing and implementing the census.

--Sri Lanka - Installation of computer software and training personnel how to process large scale data.

--Kenya - Regional workshop on estimating population parameters from deficient data sets.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: John C. Chao, S&T/POP/PDD, AID/W, (703) 235-8081.

CONTRACTOR/IMPLEMENTING ORGANIZATION: International Statistical Programs Center and Center for International Research, U.S. Bureau of the Census.

PROJECT: Demographic Data for Development (DDD), #936-3000.b. Initial obligation FY 82, estimated completion FY 86. Life of project funding: $6,300,000.

PURPOSE/APPROACH/DESCRIPTION: To strengthen technical capabilities of planning institutions to understand population-development links and to incorporate population considerations in development planning. And to foster dialogue between planners and policy-makers encouraging policies based on this understanding.

RESEARCH OBJECTIVES: N/A

SERVICES AVAILABLE:

--Technical assistance to 10-15 LDC statistical institutions to increase their use of demographic and family planning data.

--Maintenance of demographic, family planning and population policy files for use by AID/W, missions and LDC institutions.

--Provide technical assistance in the installation of microcomputers and training in their use.

KEY PUBLICATION AVAILABLE FROM PPC/CDIE/DI:

Several publications are anticipated in early 1985 on National Family Planning and Infant Mortality in Africa.

EXAMPLES OF ACTIVITY:

Mali - microcomputer workshop on demographic techniques to the Sahel Institute.

Burma - technical assistance in estimating fertility and mortality levels from recent post-enumeration census check and in transfer and training in microcomputer use.

Cameroon - microcomputer training and technical assistance in the preparation of population projections (both national and sub-national).

GEOGRAPHIC SCOPE: Selected Countries - at least half of which will be in Africa.

S&T PROJECT OFFICER: John Crowley, S&T/POP/PDD, AID/W, (703) 235-8081.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Westinghouse Public Applied Systems.

PROJECT: Demographic Data for Development, #936-3000.c. Initial obligation FY 83, estimated completion FY 87. Life of project funding: $7,500,000.

PURPOSE/APPROACH/DESCRIPTION: To strengthen the capacity of developing countries to process, evaluate and analyze demographic and family planning data as well as other social and economic data.

RESEARCH OBJECTIVES: Contribution to knowledge and solution of population problems affecting countries of the Asian/Pacific region.

SERVICES AVAILABLE:

--Fellowship training, both degreed and non-degreed, to personnel of LDCs in the Asian/Pacific region.

--Analysis of demographic trends, their social and economic consequences, and related policy implications through conferences, workshops, and other training programs.

--Collaboration between staff of East-West Population Institute and indigenous researchers is encouraged.

KEY PUBLICATION AVAILABLE FROM PPC/CDIE/DI:

--Compilation of articles on census experiences in Asian and Pacific countries.
--Proceedings of conferences.
--Results of collaborative research.
--Asian and Pacific Census Forum providing information on population related activities in the region.

EXAMPLES OF ACTIVITY:

EWPI - Annual Summer Seminar in Population for participants to refresh their demographic and family planning analysis techniques and exchange views on population and development problems.

India - Technical consultation for survey design and data analysis.

Nepal - Fellowship training in population related fields.

GEOGRAPHIC SCOPE: Selected countries in the Asian and Pacific region.

S&T PROJECT OFFICER: John C. Chao, S&T/POP/PDD, AID/W, (703) 235-8081.

CONTRACTOR/IMPLEMENTING ORGANIZATION: East-West Population Institute.

PROJECT: Population Policy Research/International Research Awards Program in Fertility Determinants, #932-0643.2. Initial obligation FY 80, estimated completion FY 87. Life of project funding: $8,665,000.

PURPOSE/APPROACH/DESCRIPTION: To increase understanding of policy implications of determinants of fertility and to identify government actions, in addition to family planning, that will encourage lower fertility.

RESEARCH OBJECTIVES: To apply innovative social science approaches to the study of fertility determinants; to support research relevant to population policy considerations; and to encourage the participation of developing country research institutions.

SERVICES AVAILABLE:

--Technical assistance to developing country researchers for designing research proposals.

--Support for innovative research projects on fertility determinants.

--Monitoring and technical assistance during research period.

--Support for disseminating research results through publications and seminars.

KEY PUBLICATION AVAILABLE FROM PPC/CDIE/DI: Final reports of research projects.

EXAMPLES OF ACTIVITY:

Nigeria - University of Ife: "Subethnic Variations in Breastfeeding, Marital Sexuality, and Fertility in Yorubaland."

Thailand - Chulalongkorn University/University of Michigan: "A Comprehensive Study of Fertility Levels and Change in Thailand."

Mexico - Academia Mexicana de Investigacion en Demographia Medica/Harvard University: "Institutional and Community Influences on Birth Spacing in Rural Mexico."

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Judith Seltzer, S&T/POP/PDD, AID/W, (703) 235-8081.

CONTRACTOR/IMPLEMENTING ORGANIZATION: The Population Council.

PROJECT: Development Law and Policy, #932-0643.3. Initial obligation FY 83, estimated completion FY 86. Life of project funding: $1,300,000.

PURPOSE/APPROACH/DESCRIPTION: To assist policymakers to review, evaluate and develop laws and policies related to population, family planning, family health and the status of women; to assist non-governmental policy-oriented groups to raise awareness and develop concensus on population laws and policies, and to provide relevant legal and technical information.

RESEARCH OBJECTIVES: To collect and evaluate national laws and policies on population, family planning, family health and the status of women.

SERVICES AVAILABLE:

--Policy and legal advisory services.

--Assistance to non-governmental, policy-oriented groups.

--Information and analyses of laws and policies.

--Co-sponsor seminars and publish booklets and short articles.

KEY PUBLICATION AVAILABLE FROM PPC/CDIE/DI: N/A

EXAMPLES OF ACTIVITY:

Brazil - support to a private family planning association and local attorneys to study obstacles to family planning implementation and propose ways to overcome them.

Egypt - support for projects to study ways to implement existing laws affecting family planning and the status of women.

GEOGRAPHIC SCOPE: Worldwide, with focus on Near East, Africa and Latin America.

S&T PROJECT OFFICER: Adrienne Allison, S&T/POP/PDD, AID/W, (703) 235-8081.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Columbia University.

PROJECT: Population Policy Research, National Academy of Sciences, #932-0643.5. Initial obligation FY 83, estimated completion FY 85. Life of project funding: $530,000.

PURPOSE/APPROACH/DESCRIPTION: To increase the understanding of policy implications of determinants of fertility and to identify government actions, in addition to family planning, that will encourage lower fertility.

RESEARCH OBJECTIVES:

--Review and assess scientific evidence on the relationships between population growth and economic development.

--Analyze the relative effectiveness of family planning programs under varying conditions, with particular attention to the role of management and supervision in program effectiveness.

--Prepare a set of guidelines for the development and implementation of effective family planning programs.

SERVICES AVAILABLE: N/A

KEY PUBLICATION AVAILABLE FROM PPC/CDIE/DI:

Several publications are anticipated upon completion of the project.

EXAMPLES OF ACTIVITY: N/A

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: John Crowley, S&T/POP/PDD, AID/W, (703) 235-8081.

CONTRACTOR/IMPLEMENTING ORGANIZATION: National Academy of Sciences.

PROJECT: Population Program Development and Support, #932-0502.02 Resource Services Support Agreement (RSSA) with Centers for Disease Control (CDC). Initial obligation FY 73; estimated completion - continuing.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to provide technical assistance toward improving the management and operation of family planning programs in developing countries. CDC technical consultations include four major areas of assistance: (1) logistics management; (2) program evaluation; (3) FP/MCH surveys; and (4) epidemiological studies on fertility control and pregnancy outcome.

RESEARCH OBJECTIVES: Within technical assistance areas (3) and (4) above, CDC determines/evaluates: (a) prevalence of contraceptive use; (b) completeness and quality of FP data systems; and (c) safety of fertility control methods.

SERVICES AVAILABLE:

--Develop/evaluate logistics systems for distributing FP supplies and services.
--Design/evaluate community-based distribution programs and other innovative delivery strategies.
--Develop software for microcomputer-based logistics inventory monitoring systems for contraceptive supplies.
--Develop/implement/evaluate FP service statistics systems.
--Determine future contraceptive commodity requirements.
--Conduct FP/MCH surveys.
--Assess health and/or demographic impact of FP programs and activities.
--Research safety of fertility control methods and effects on maternal health and reproductive loss.

Technical assistance in above areas is available during all stages of project/ program development: identification, design, implementation and/or evaluation.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--Family Planning Methods and Practice: Africa.
--Cancer and Steriod Hormone Studies.

EXAMPLES OF ACTIVITIES:

Mexico --Consultation to General Directorate of Family Planning on logistics management.

Thailand--Designed and installed computerized logistics management system in Ministry of Health.

Senegal--Provided technical assistance in design, implementation and presentation of Fertility-Family Health Survey.

GEOGRAPHIC SCOPE: Worldwide.

S&T/PROJECT OFFICER: Karen Peake Tcheyan, S&T/POP/CPSD, AID/W, (703) 235-8675.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Centers for Disease Control.

PROJECT: Population Program Development and Support, #932-0502. Initial obligation FY 83, estimated completion FY 85. Life of project funding: $150,000.

PURPOSE/APPROACH/DESCRIPTION: To increase awareness of population issues in developing countries.

RESEARCH OBJECTIVES: N/A

SERVICES AVAILABLE:

--Orientation and briefing meetings for LDC officials passing through Washington.

--Short-term training and internships for LDC students in population research, population education, and population information dissemination.

KEY PUBLICATION AVAILABLE FROM S&T/POP/PDD:

Annual World Population Data Sheet.

EXAMPLES OF ACTIVITY:

Students from Nigeria, Bangladesh and other developing countries have served as interns in population research, population education and population communication.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: John Crowley, S&T/POP/PDD, AID/W, (703) 235-8081.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Population Reference Bureau.

PROJECT: Contraceptive Procurement, #936-3018. Estimated life of project: continuing.

PURPOSE/APPROACH/DESCRIPTION: The purpose is to procure contraceptive products through a combined action to provide Agency supported family planning projects with oral contraceptives, condoms, Copper-T IUDs, and contraceptive foaming tablets. Grant funds for bilateral programs, budgeted for contraceptive procurement, are transfered to the S&T allotment by the Regional Bureaus. ESF and loan funds are provided by funded PIO/Cs.

RESEARCH OBJECTIVES:

SERVICES AVAILABLE: In addition to the supply of contraceptives, supplier companies also provide technical assistance to the Agency for product registration, product testing, and packaging development.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

EXAMPLES OF ACTIVITIES:

GEOGRAPHIC SCOPE: Worldwide.

S&T/PROJECT OFFICER: Anthony F. Boni, S&T/POP/CPSD, AID/W, (703) 235-8675.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Syntex Labs; Wyeth International; Ortho Pharmaceutical; Young Drug Products; Ansell Industries; Circle Rubber; Trimed Inc.; Finishing Enterprises; Schering.

Directorate for Health and Population

OFFICE OF HEALTH

(S&T/H)

PROJECT: Malaria Immunity and Vaccine Research, #931-0453. Initial Obligation FY 75, estimated completion: FY 90. Life of Project funding: $65,112,000.

PURPOSE/APPROACH/DESCRIPTION: To develop and test a practical vaccine for use in the field against the various forms of human malaria.

RESEARCH OBJECTIVES: A commercially available vaccine against the several forms of human malaria.

SERVICES AVAILABLE: N/A

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None

EXAMPLES OF ACTIVITY:

--Development of in-vitro cultivation of malaria parasites.
--Concentration and synchronization of in-vitro cultures.
--Development of cell free culture media.
--Purification and characterization of antigenic material.
--Development of appropriate adjuvants.
--Animal testing of prepared vaccine to determine safety and effectiveness.
--Conducting appropriate experiments and field trials to license the vaccine in the U.S. for production and distribution.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: James Erickson, S&T/H/CD, AID/W, (703) 235-8934.

CONTRACTOR/IMPLEMENTING ORGANIZATION:

--New York University.
--Rockefeller University.
--University of Hawaii.
--Biomedical Research Institute.
--Michigan State University.
--Uniformed Services University of the Health Sciences.
--Scripps Institute and Research Foundation.
--American Institute of Biological Sciences.
--University of Illinois.
--Case Western University.
--National Institutes of Health.
--Pan American Health Organization.
--Battelle Northwest Laboratories.
--University of Missouri.

PREVIOUS PAGE BLANK

PROJECT: Tropical Disease Research (TDR) #931-1126. Initial Obligation FY 78, estimated completion: FY 90. Life of Project funding: $30,300,000.

PURPOSE/APPROACH/DESCRIPTION: To support the World Health Organization (WHO) Special Program for Research and Training in Tropical Diseases (TDR).

RESEARCH OBJECTIVES:

--Find better, more economical methods than those presently available for diagnosis, treatment, prevention, and control of six diseases which are major problems in tropical areas: onchocerciasis, schistosomiasis, malaria, trypanosomiasis, leprosy, and leishmaniasis.

Create a global network of scientific institutions in both developed and developing countries.

Provide substantial support to such institutions through financing of research and training.

SERVICES AVAILABLE: N/A

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None

EXAMPLES OF ACTIVITY:

--The successful field testing and use of new, effective and safe drugs applicable to mass treatment.

--Considerable progress has been made towards development of a new vaccine based on the growth of leprosy bacilli in the nine-banded armadillo.

--The build-up of an international network of laboratories for rapid screening and pre-clinical testing of new promising drugs against filariasis.

--Discovery of new agents (B. thuringensis) for biological vector controls.

--Epidemiologic research on African Sleeping Sickness, development of simple surveillance methods, home-made tsetse fly traps.

--Mass treatment strategies to control schistosomiasis with newly developed drugs.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Alfred Buck, S&T/H/CD, AID/W, (703) 235-8934.

CONTRACTOR/IMPLEMENTING ORGANIZATION: World Health Organization

PROJECT: Comprehensive Methods of Vector Control, #931-1179. Initial Obligation FY 83, estimated completion: FY 88. Life of Project funding: $4,000,000.

PURPOSE/APPROACH/DESCRIPTION: To develop a model for vector borne disease control programs integrating a combination of control methods such as Biological Control (natural predators, parasites, etc.), and insect growth regulators, i.e., synthetic insect hormones, chromosomal translocations causing sterility), in a comprehensive approach to control.

RESEARCH OBJECTIVES: To integrate established methodologies such as source reduction, water management, larviciding, and adulticiding, with newer approaches which would reduce our reliance on residual pesticides.

SERVICES AVAILABLE:

Technical assistance to missions in design, implementation, and evaluation of vector borne disease control programs utilizing all available methods to control the disease and/or its vectors.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None

EXAMPLES OF ACTIVITY:

--One year grant to the University of Maryland to support the International Center for Medical Research and Training (ICMRT), Lahore, Pakistan, to continue their present research on malaria control and to get started on their new four year research program.

--Funded an unsolicited proposal from Insect Control and Research, Incorporated (ICR,I) to develop a technical, background report which is be the basis for the Agency's updated guidance for field missions for malaria control activities.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: James Erickson, S&T/H/CD, AID/W, (703) 235-8934

CONTRACTOR/IMPLEMENTING ORGANIZATION: ICMRT, ICR,I, Others to be selected.

PROJECT: Operations Research (PRICOR) #936-5920 Initial Obligation FY 81, estimated completion FY 90. Life of Project funding: $19,150,000.

PURPOSE/APPROACH/DESCRIPTION: The purpose of the project is to help developing countries find ways to deliver primary health care (PHC) services more effectively and efficiently using operation research techniques.

RESEARCH OBJECTIVES: Operations research priorities include:

--Community financing of PHC services.
--The role of the community health worker.
--Community organization of health services.
--Community-based commodity distribution.

SERVICES AVAILABLE:

--Funding/Monitoring country studies.
--Commissioning a small number of methodological studies.
--Disseminating the findings of sponsored research.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None

EXAMPLES OF ACTIVITY:

--Suggestions for preparing concepts papers and strengthening research proposals.

--Workshops in host countries on operational research design.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: James Heiby, S&T/H/HSD, AID/W (703) 235-9650.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Center for Human Services.

PROJECT: Technology for Primary Health Care (PRITECH) #936-5927. Initial Obligation FY 83, estimated completion FY 90. Life of Project funding: $18,000,000.

PURPOSE/APPROACH/DESCRIPTION: This project is designed to strengthen PHC in ORT, Immunization and other appropriate health interventions in LDCs, by transferring improved techniques and products for the delivery of health services, management of health systems, training of health personnel, and control of disease, including malaria.

RESEARCH OBJECTIVES: N/A

SERVICES AVAILABLE:

--Technical information on ORT and immunization.
--Country Program assessments and evaluations.
--Technical assistance in disease control (ORT and immunization, malaria).
--Commodity support (limited).
--Cost-sharing arrangements can be made with missions.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--First Semiannual Report of Project Implementation.
--Report/Proceedings of ICORT Conference.

EXAMPLES OF ACTIVITY:

--Promotion visits conducted in over 30 LDCs.
--ORT Regional Conferences in Asia and Africa.
--Development of regional strategy for Sahel countries.
--Assistance in local production of ORS in the Philippines.
--PRITECH's critique of Kenya national action plan on diarrheal diseases.
--Stimulation of requests for bilateral programs in Peru, Bolivia, and Guatemala.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Tina Sanghvi (Nicholas Studzinski, Acting), S&T/H/HSD, AID/W, (703) 235-8934.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Management Sciences for Health, PASA with the Center for Disease Control.

PROJECT: Diarrheal Disease Research Program #936-5928. Initial Obligation FY 84, estimated completion: FY 90. Life of Project funding: $18,500,000.

PURPOSE/APPROACH/DESCRIPTION: To support research and training on diarrheal diseases and dissemination of information on control and treatment to less developed countries.

RESEARCH OBJECTIVES:

--Reduction of child mortality through early treatment with oral rehydration therapy and appropriate feeding of children.

--Reduction of mortality through improvements of maternal and child care practices, environmental health and early detection and control of epidemics.

SERVICES AVAILABLE:

--Support for individual country, Bureau, or USAID research efforts.

--Undertake and promote study, research and dissemination of knowledge about diarrheal diseases and directly related subjects of nutrition and fertility.

--Provide training.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None

EXAMPLES OF ACTIVITY:

--Support of ICDDR,B biomedical research.
--Support for Diarrheal Disease Control Program/ of WHO (biomedical and operational research).

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Carl Kendall, S&T/H, AID/W, (703) 235-8934.

CONTRACTOR/IMPLEMENTING ORGANIZATION:

--World Health Organization (WHO).
--International Center for Diarrhoeal Disease Research, Bangladesh (ICDDR,B).
--Small grants program for problem solving research.

PROJECT: MEDEX II #936-5932. Initial Obligation FY 83, estimated completion FY 87. Life of Project funding: $4,600,000.

PURPOSE/APPROACH/DESCRIPTION: A project designed to strengthen PHC programs in LDCS by providing technical assistance in human resource development and health systems management. This technology consists of technical service workshops and instructional materials which can be adapted to train village, middle level health workers and program managers.

RESEARCH OBJECTIVES: N/A

SERVICES AVAILABLE:

--Technical assistance in the area of training program design, implementation, evaluation, and strengthening of primary health care.

--Training health professionals through courses, workshops, seminars, and briefings. They can be given in-country or regional, upon request, as well as courses regularly scheduled at the University of Hawaii.

--Disseminating the materials to PHC programs worldwide.

--A user network to review and update materials.

--Cost-Sharing arrangements can be made.

KEY PUBLICATIONS AVAILABLE FROM S&T/H: MEDEX Training Modules (35 Volumes).

EXAMPLES OF ACTIVITY:

--Dominica: MEDEX staff assessed surpervisory skills at the district and central levels of the Ministry of Health and then worked with Ministry personnel to design and teach a workshop on supervisory skills. Assistance is now planned to develop a continuing in-service training program for supervisors.

--India, MEDEX provided technical assistance in the design of health communications activities.

--"Management Support for Primary Health Care," a practical course in strengthening management systems to support primary health care and strengthening management skills of primary health care workers, will be held in Honolulu, Hawaii, February 4-15, 1985.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Allen Randlov, S&T/H/HSD, AID/W (703) 235-8949.

CONTRACTOR/IMPLEMENTING ORGANIZATION: MEDEX-University of Hawaii, School of Medicine.

PROJECT: HHS Resource Support (RSSA) #936-5929 Initial Obligation FY 84, estimated completion: Continuing. Life of Project funding: Continuing.

PURPOSE/APPROACH/DESCRIPTION: The RSSA between the A.I.D./S&T Office of Health and the Office of International health provides short term advisory services in health program and project development/evaluation.

RESEARCH OBJECTIVES: To obtain additional scientific/technical information that will assist the Office of Health with its program management.

SERVICES AVAILABLE: Technical advisory services throughout the entire PHS, including CDC.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None

EXAMPLES OF ACTIVITY:

--Provided assistance for a four person team to help Government of India to design Biomedical Research Program.

--Provided the services of two consultants to serve on Review Panel to evaluate proposals for Water and Sanitation for Health RFP.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Janet Ice, S&T/H, AID/W (703) 235-8934.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Office of International Health, Subcontracts with: Centers for Disease Control and Logical Technical Services.

PROJECT: Oral Rehydration Therapy-Health Education and Long Term Planning (ORT-HELP) #936-5939. Initial Obligation FY 84, estimated completion FY 87. Life of Project funding: $4,800,000.

PURPOSE/APPROACH/DESCRIPTION: A project to provide LDC leaders and health providers with information on oral rehydration therapy.

RESEARCH OBJECTIVES: N/A

SERVICES AVAILABLE:

--Training.
--Conferences.
--Meetings focusing on ORT.
--Technical assistance.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

--ICORT Proceedings, June 7-10, 1984.

EXAMPLES OF ACTIVITY:

--Regional ORT Workshops and Global Conference on ORT Nov. '85.
--Peace Corps Training.
--ORT Data Base.
--Videotapes.
--ORT Salts Study.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Robert Clay, S&T/H/HSD, AID/W (703) 235-9649.

CONTRACTOR/IMPLEMENTING ORGANIZATION:

--AHRTAG (Appropriate Health Resources and Technologies Action Group, Ltd.).
--Peace Corps.
--Creative Associates.
--ISTI (International Science and Technology Institute, Inc.).
--Westinghouse.

PROJECT: Pediatric Chronic Diarrheal Disease Research Training, #936-5940. Initial Obligation FY 85, estimated completion: FY 90. Life of Project funding: $3,050,000.

PURPOSE/APPROACH/DESCRIPTION: To improve the treatment of chronic diarrheas in less developed countries by developing better skills to investigate and diagnose chronic diarrheas and through the use of Oral Renydration Therapy (ORT).

RESEARCH OBJECTIVES: Reduction of child death from diarrheal disease.

SERVICES AVAILABLE:

--Support for postdoctoral training for LDC researchers.
--Provide technical assistance to LDC researchers in investigating chronic diarrheas in LDC countries.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI:

EXAMPLES OF ACTIVITY:

--Two year postdoctoral followships for LDC pediatricians in laboratory procedures for analyzing nutritional disorders.
--Clinical research pretests for feeding regimens.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: Carl Kendall, S&T/H/CD, AID/W, (703) 235-8934.

CONTRACTOR/IMPLEMENTING ORGANIZATION: International Center of Infant Nutrition and Gastrointestinal Diseases in Children's Hospital, Buffalo.

PROJECT: Water and Sanitation for Health (WASH II) #936-5942 Initial Obligation FY 84, estimated completion FY 90. Life of Project funding: $17,200,000.

PURPOSE/APPROACH/DESCRIPTION: This project is designed to identify, mobilize, and provide technical assistance services to A.I.D.-assisted organizations in urban and rural water supply and sanitation.

RESEARCH OBJECTIVES: N/A

SERVICES AVAILABLE:

--Project planning.
--Institutional development.
--Problem solving.
--Evaluation.
--Human Resources Development.
--Technology Transfer.
--Information collection and dissemination with emphasis on improving the quality of water supply and sanitation projects or water supply and sanitation components of other sectoral projects.

KEY PUBLICATIONS AVAILABLE FROM WASH: 23 technical reports and 125 field reports.

EXAMPLES OF ACTIVITY:

--Background material development for PIDs and PPs.
--Technical assistance in project design, implementation, and evaluation.
--Training systems development (materials, programs, workshops, trainees).
--Institution building.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: John Austin, S&T/H/WS, AID/W (703) 235-9823.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Camp, Dresser, and McKee (WASH).

PROJECT: Vaccine Development and Health Research, #936-5947. Initial Obligation FY 84, estimated completion: FY 89. Life of Project funding: $6,000,000.

PURPOSE/APPROACH/DESCRIPTION: To develop new and improved vaccines which will reduce the incidence of major preventable diseases in developing countries. The PASA will assist LDCs to assess more precisely their needs for new vaccines, to define their vaccine-related research technological capabilities, and to establish links between productive biomedical research programs in the United States, where technological advances are being made, and their own biomedical research and primary health care programs, where the critical final stages of vaccine research and development will be conducted and where new vaccines will be deployed. The PASA will support extensions of basic research into the more applied stages of development. Support for basic research will not be provided by the PASA.

RESEARCH OBJECTIVES: Reduction of child mortality and control disease among the labor force and women of reproductive age.

SERVICES AVAILABLE: The PASA will provide technical assistance of both U.S. Public Health Service officers and university-based researchers. The PASA will support LDC-based research by U.S. scientists and their LDC colleagues to adapt and test new vaccines under field conditions. U.S.-based research, which is clearly linked to anticipated work in developing countries, may also be supported to apply new biotechnology to development of a specific vaccine to adapt new vaccines to LDC use or to satisfy human safety and other ethical concerns prior to undertaking research in developing countries.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None

EXAMPLES OF ACTIVITY: Two vaccines, rotavirus and measles, will be tested for application in LDCs within the fiscal year.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: James Erickson, S&T/H/CD, AID/W (703) 235-8934.

CONTRACTOR/IMPLEMENTING ORGANIZATION: U.S. Public Health Service.

PROJECT: Indefinite Quantity Contracts (IQCs) (#936-1406, Small Activity Fund). Initial Obligation FY 84, estimated completion FY 86. Life of Project funding: $5,000.

PURPOSE/APPROACH/DESCRIPTION: The current IQCs will run from April 1984 through April 1986. These contracts provide A.I.D. and/or cooperating agencies with short-term advisory services relating to health planning and delivery systems, tropical disease, and water supply and sanitation.

RESEARCH OBJECTIVES: N/A

SERVICES AVAILABLE:

--Assistance in the planning, design, and evaluation of programs and projects.
--Advice on Agency policies and procedures in the respective technical area.

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: None

EXAMPLES OF ACTIVITY:

--Analysis of health care finance alternatives in Kenya.
--Development of a report on public awareness of issues related to narcotic problems in Peru.
--Assisted the Government of Swaziland in the development of a long-range strategy for strengthening the Nazarene Nursing College.

GEOGRAPHIC SCOPE: Worldwide.

S&T PROJECT OFFICER: William Oglesby, S&T/H, AID/W, (703) 235-8926.

CONTRACTOR/IMPLEMENTING ORGANIZATION:

--Health Planning and Delivery Systems: Management Sciences for Health; The John Snow Public Health Group/Health Group Inc.; Westinghouse Electric Corp./Westinghouse Health Systems; University Research Corp./Primary Care Institute; Development Associates, Inc.

--Tropical Disease: The Pragma Corporation; The American Public Health Association.

--Water Supply and Sanitation: TAMS Pirnie International; The International Science and Technology Institute, Inc.; Georgia Tech. Research Institute.

PROJECT: Health Development Planning and Management (HDPM) #936-5901. Initial Obligation FY 81, estimated completion FY 86. Life of Project funding: $5,241,000.

PURPOSE/APPROACH/DESCRIPTION: HDPM is designed to increase the capacity of LDC private and public institutions to plan, design, manage, and evaluate health care systems. Under this project, A.I.D. is assisting U.S., Caribbean, and Indonesian institutions in a collaborative effort to institutionalize health planning and management, training, technical assistance, and health services research capabilities in LDCs.

RESEARCH OBJECTIVES: N/A

SERVICES AVAILABLE: N/A

KEY PUBLICATIONS AVAILABLE FROM PPC/CDIE/DI: Yearly Reports and Work Plans.

EXAMPLES OF ACTIVITY:

--Provides in-country training of health care managers.
--U.S. based training of public health physicians (Indonesia only).
--Provides in-country technical assistance in health planning and management.

GEOGRAPHIC SCOPE: Indonesia and Caribbean Region.

S&T PROJECT OFFICER: Rosalyn King, Indonesia; Allen Randlov, West Indies; S&T/H/HSD, AID/W (703) 235-9650.

CONTRACTOR/IMPLEMENTING ORGANIZATION: Johns Hopkins University with University of Indonesia and American Public Health Association and University of Pittsburg with University of West Indies.