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ANALYSIS OF AID PROGRAMS FOR  
THE U.N. CONFERENCE ON SCIENCE AND TECHNOLOGY  
FOR DEVELOPMENT

Submitted to:  
THE AGENCY FOR INTERNATIONAL DEVELOPMENT

By:  
THE INTERNATIONAL SCIENCE AND TECHNOLOGY INSTITUTE, INC.

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## INTRODUCTION

This report was prepared by the International Science and Technology Institute, Inc. (ISTI) under contract to the Agency for International Development (AID). Its purpose is to identify AID projects and trends relevant to the agenda and subject areas of the 1979 U.N. Conference on Science and Technology for Development.

The study is divided into five sections:

- Section 1: AID Projects Relevant to the Agenda of UNCSTD
- Section 2: Listing of Projects and Budgets by UNCSTD Subject Area
- Section 3: Funding of Selected Concerns and Indicative Budget Planning
- Section 4: Representative Projects for each UNCSTD Agenda Item, Subject Area, and Selected Special Concern
- Section 5: New or Significantly Expanded Projects Under Each UNCSTD Agenda Item

The selection of projects for inclusion within each section of this report was based on the professional judgement of the staff and consultants as to their relevance to the agenda and subject areas of UNCSTD. Views expressed herein are the sole responsibility of ISTI and do not necessarily reflect the viewpoint of AID or the United States government.

We wish to acknowledge our debt to DSB/OST and PPC/PB of the A.I.D. and the Office of the U.S. Coordinator for UNCSTD (State/T/CST). We extend our thanks to the personnel of the above offices, Messrs. John Fry, William Eilers, A. Kivimae, and James Stromayer in particular, for the timely provision of data and helpful comments and guidance for this project.

The report was prepared by consultants Ming Ivory, Gregory Malinowski, Vimal Atukorale, and Paula Edwards under the direction of B.K. Wesley Copeland and Nihal W. Goonewardene of the ISTI staff.

SUMMARY

Methodology: Projects were selected for inclusion in the report based on professional judgement as to the relevance of their dominant element to individual UNCSTD agenda items, as explained in Guidelines for the Preparation of National Papers, UN Ref. A/CONF. 81/INF.1, 7 March 1977. The selection was guided also by a more recent UN document, Draft Outline of the Programme of Action, Note by the Secretary General, UN Ref. A/33/303, 20 October 1978.

Section 1. This section contains a listing of individual AID projects and their budgets relevant to the UNCSTD agenda. The budget totals for each agenda item for FY 1978, '79, and '80 are given below:

| Fiscal Years  | 1978                      | 1979    | 1980    |
|---|---------------------------|---------|---------|
|   | (In Thousands of Dollars) |         |         |
| 1. Science and technology for development.  |                           |         |         |
| a. The choice and transfer of technology for development.   | 34,343                    | 63,897  | 73,006  |
| b. Elimination of obstacles to the better utilization of knowledge and capabilities in science and technology for the development of all countries, particularly for their use in developing countries. | 481,431                   | 673,566 | 729,300 |
| c. Methods of integrating science and technology in economic and social development.  | 264,416                   | 327,687 | 468,810 |
| d. New science and technology for overcoming obstacles to development.  | 45,969                    | 43,918  | 61,596  |
| 2. Institutional arrangements and new forms of international cooperation in the application of science and technology.  |                           |         |         |
| a. The building up and expansion of institutional systems in developing countries for science and technology.   | 81,260                    | 158,644 | 111,961 |
| b. Research and development in the industrialized countries in regard to problems of importance in developing countries.  | 17,353                    | 35,843  | 48,509  |

III

|  | 1978   | 1979   | 1980   |
|--|--------|--------|--------|
| c. Mechanisms for the exchange of scientific and technological information and experiences significant to development.   | 12,086 | 12,701 | 11,389 |
| d. The strengthening of international cooperation among all countries and the design of concrete new forms of international cooperation in the fields of science and technology for development. | 29,399 | 34,236 | 39,650 |
| e. The promotion of cooperation among developing countries and the role of developed countries in such cooperation.  | 7,475  | 10,520 | 13,700 |
| 3. Utilization of the existing United Nations system and other international organizations.  | 35,300 | 37,840 | 39,100 |

Section 2. This section reorganizes the data of Section 1 by UNCSTD subject areas and two additional categories: Multi-Subject/Other; and Education and Training. The budget totals for FY 1978, '79, and '80 are given below:

|  |         |         |         |
|--|---------|---------|---------|
| 1. Food and agriculture.   |         |         |         |
| a. Agricultural technology and techniques and their improvement. | 249,003 | 277,772 | 428,075 |
| b. Nutrition   | 10,369  | 6,532   | 9,199   |
| c. Fisheries   | 3,296   | 6,830   | 10,255  |
| d. Food storage and processing.                                  | 266     | 5,836   | 136     |
| 2. Nature resources, including energy.                           |         |         |         |
| a. Renewable and non-renewable.                                  | 250     | 2,750   | 9,624   |

IV

|  | 1978    | 1979    | 1980    |
|--|---------|---------|---------|
| b. Conventional and non-conventional sources of energy.                                | 89,131  | 186,921 | 98,029  |
| c. Development and conservation.   | 10,575  | 5,570   | 16,825  |
| d. Rational management and utilization.  | 9,326   | 108,062 | 97,895  |
| 3. Health, human settlements, and environment.   |         |         |         |
| a. Medicinal plants and pharmaceuticals.   | 8,352   | 20,566  | 10,276  |
| b. Health services.  | 276,676 | 301,699 | 501,755 |
| c. Housing.  | 6,295   | 225     | 250     |
| d. Social services and environment.  | 62,625  | 79,129  | 63,780  |
| 4. Transportation.   | 52,492  | 62,979  | 74,236  |
| 5. Industrialization, including production of capital goods.                           | 56,925  | 124,130 | 65,163  |
| The two following areas have been added to this survey, with the total budget figures: |         |         |         |
| 6. Multi subject/other.  | 100,962 | 97,363  | 117,441 |
| 7. Education and training.   | 71,278  | 110,603 | 97,212  |

Section 3. This section identifies budgets for selected AID special concerns and related program activity of interest to UNCSTD. Indicative budget planning figures for the Agency's major functional accounts and organizations/programs are given here. The long range plan for U.S. Voluntary Contributions to International Organizations is also included.

Section 4. Representative projects for UNCSTD agenda items and subject areas are described here. A sub-section including projects illustrative of AID special concerns and other program activity relevant to UNCSTD is also included.

Section 5. This section identifies: a) new projects planned to commence in FY 1980 with a budget of \$1 million or more and b) projects planned to expand significantly from FY 1979 to FY 1980 with a funding increment of \$1 million or more.

## METHODOLOGY AND TECHNICAL NOTES

Section 1: Projects were selected for inclusion in this report based on professional judgement as to the relevance of their dominant element to individual UNCSTD agenda items, as explained in Guidelines for the Preparation of National Papers, UN Ref. A/Conf. 81/INF.1, 7 March 1977. The selection of projects was guided also by a more recent UN document, Draft Outline of the Programme of Action, Note by the Secretary General, UN Ref. A/dd/303, 20 October 1978. Substantive aspects of the agenda as described in the Guidelines are noted below:

### UNCSTD AGENDA

1. Science and technology for development:
  - (a) The choice and transfer of technology for development;
    - promoting S&T information systems
    - developing extension service capabilities for research institutes, consulting firms, and technology development enterprises.
  - (b) Elimination of obstacles to the better utilization of knowledge and capabilities in science and technology for the development of all countries, particularly for their use in developing countries;
    - building S&T infrastructure;
    - improving access to S&T information;
    - facilitating contact between local R&D activities and technology users;
    - improving education and training;
    - reducing brain drain;
    - improving planning;
    - increasing number of entrepreneurs and managers;
    - improving national/international institutional systems for S&T;
    - increasing financial resources for investment.

## VII

- (c) Methods of integrating science and technology in economic and social development:
    - enhancing supply/stimulating demand for local S&T output;
    - promoting S&T applications to rural development
    - overcoming economic, social and environmental problems created by newly introduced technologies;
    - changing attitudes toward use of S&T in development;
    - fostering the role of extension services;
    - promoting interaction between S&T and other systems, particularly in productive sections
  - (d) New science and technology for overcoming obstacles to development.
    - fostering the role of basic and applied science, engineering, social science, and experimental development and technological services.
2. Institutional arrangements and new forms of international cooperation in the application of science and technology:
- (a) The building up and expansion of institutional systems in developing countries for science and technology:
    - policy planning for S&T systems;
    - assessment of S&T infrastructure capacity;
    - solving problems of S&T infrastructure;
    - international cooperation to develop national S&T systems;
    - ensuring optimal use of human resources;
    - promoting training of technical experts;
    - curbing exodus of trained personnel.
  - (b) Research and development in the industrialized countries in regard to problems of importance to developing countries;
    - facilitating LDC access to relevant U.S. R&D programs;
    - international cooperation to enhance LDC participation in U.S. S&T development efforts;

## VIII

-- analysis of U.S. policies of international development cooperation.

- (a) Mechanism for the exchange of scientific and technological information and experience significant to development;
- (d) The strengthening of international cooperation among all countries and the design of concrete new forms of international cooperation in the fields of science and technology for development;
- (e) The promotion of cooperation among developing countries and the role of developed countries in such cooperation.

### 3. Utilization of the existing United Nations system and other international organizations.

Utilization of the existing United Nations systems and other international organizations to implement the objectives set out above in a coordinated and integrated manner.

### 4. Science and technology and the future:

Debate on the basis of the report of a panel of experts to be convened on this subject.

Many projects contained elements consistent with several agenda items. When this occurred, the major objective of the project was used as the criteria for placement. For example, UNCSTD Agenda 1(a) includes, "promoting S&T information systems," while 1(b) includes, "improving access to S&T information." Whether or not a specific project was listed under 1(a) or 1(b) was determined by judging for 1(a), if a project focused on a system or institution, and for 1(b), if the project focused on the process of acquiring information. Equivalent fine distinctions were made between items 1(b) "reducing brain drain" and item 2(a) "curbing exodus of trained personnel." Recognition is given that other professionals may have chosen differently.

Another criteria used for project selection in Sections 1 and 2 was the funding level. Projects budgeted at less than \$100,000 each year were not included, with the exception of two projects, remote sensing and low-cost shelters, which seemed especially relevant. Project development and support projects were also excluded. Except as otherwise noted, budget data are from AID's late September 1978 submission to the Office of Management and Budget. The data in Section 5 are believed to be correct as of December 21, 1978 and the same data have been used to correct budget figures in Sections 1 and 2.

For informational purposes, asterisks have been placed beside those projects we understand have been selected by the planning staff for the proposed Foundation for International Technological Cooperation (FITC) for inclusion in its program.

Briefly, the types of projects included for each agenda item are as follows:

| <u>UNCSTD AGENDA ITEM</u>   | <u>TYPES OF PROJECTS</u>  |
|---|---|
| 1.a. The choice and transfer of technology for development.   | Information systems<br>Appropriate technology units, pilot plants<br>Extension services to small businesses to promote innovation   |
| 1.b. Elimination of obstacles to the better utilization of knowledge and capabilities in science and technology for the development of all countries, particularly for their use in developing countries. | Infrastructure -- dams, power plants roads, etc. necessary for economic activity.<br>Technical assistance to LDC ministries Health, Agriculture, Energy, etc.<br>Health delivery projects, e.g., vaccination projects.                                  |
| 1c. Methods of integrating science and technology in economic and social development.   | Integrated rural development projects, except those projects which have as their <u>sole</u> object any of the following: agricultural credit, marketing, self-help PL 480-type food transfers, housing guarantees, land tenure and tax administration. |
| 1.d. New Science and technology for overcoming obstacles to development.  | Basic, applied or development research projects carried out within the developing country.  |
| 2.a. The building-up of institutional systems in developing countries for science and technology.   | Educational institutions, both formal and non-formal<br>Vocational/technical training institutions<br>Creation of government ministry-level units for planning scientific and technological fields.   |
| 2.b. Research and development in the industrialized countries in regard to problems of importance to developing countries.  | Title XII projects<br>Contract research in the U.S.   |
| 2.c. Mechanisms for the exchange of scientific and technological information and experiences significant to development.  | Conferences, workshops, seminars on development problems and planning methods<br>Student and faculty exchanges.   |

UNCSTD AGENDA ITEMTYPES OF PROJECTS

- |      |   |   |
|------|---|---|
| 2.d. | The strengthening of international cooperation among all countries and the design of concrete new forms of international cooperation in the fields of science and technology for development. | International research<br>Informal cooperation between advanced and developing countries. |
| 2.e. | The promotion of cooperation among developing countries and the role of developing countries in such cooperation.   | Regional cooperative centers.   |
| 3.   | Utilization of the existing UN system and other international organizations.  | Support to existing UN agencies and international centers.                                |

A more complete description or the selection of projects is given below:

1.a. The Choice and Transfer of Technology for Development

AID projects assist countries in choosing and adapting new and appropriate technology in a variety of areas, especially agriculture, rural development, nutrition, population, health, education, and energy. Projects of "industrial extension:" usually provide for analyses, further development, pilot plants, training of local personnel in the use of these technologies, and assistance to entrepreneurs in beginning to manufacture and market them. In agricultural fields the projects often support traditional agricultural extension services, similar to concerns of Agenda 1.c. The ones listed here have a narrower focus, concentrating on techniques relevant to a single crop, or new agricultural machinery. A small number of projects establish scientific or technological information networks. Finally, a few projects are concerned with the introduction of new educational technologies in schools or of contraceptive/family planning techniques.

- 1.b. Elimination of obstacles to the better utilization of knowledge and capabilities in science and technology for the development of all countries, particularly for their use in developing countries.

There are two types of projects included under this heading: construction projects which remove basic obstacles to health, commerce, and communication and provide essential infrastructure in which scientific and technological capacity can grow; and technical assistance projects which address the lack of indigenous personnel skilled in both the use of science and technology and the administration of government agencies with scientific or technological functions, such as ministries of health, agriculture, energy, etc. Training is a significant component of both types of projects -- from on-the-job training of

workers in vocational skills to training of administrators in planning and evaluation techniques. About a third of the projects are related to health: construction of sanitary water systems, elimination of disease carriers and training of health care delivery personnel; 16% are related to education and 14% are agricultural-land use or soils surveys, water management improvement, etc.

1.c. Methods of integrating science and technology in economic and social development.

Projects in this category are typically "Integrated Rural Development Projects," which have as their goal the development of a particular area within a country through a concerted attack on several problems. Thus, projects are likely to include training for manpower development the construction of rural works (especially irrigation systems), credit programs, agricultural extension services, health improvement measures and encouragement of linkages to services provided by central government. Through these activities, new industry may be attracted to an area, or agricultural productivity may increase directly affecting the economic strength of the population. Science and technology are integrated with social and economic development by exposure to new ways of doing things, and by explicit transfers and investment incentives.

Some of AID's largest projects (\$10-50 million) fall in this category. These are likely to be construction or commodity import projects designed to provide major needed inputs for the economic development of the area, e.g. irrigation systems, insecticides, fertilizer plants, farm machinery or electric power.

1.d. New science and technology for overcoming obstacles to development.

AID supports basic, applied, and development research in developing countries; both directly and through cooperative research programs which involve U.S. personnel or institutions along with those of the host country. The majority of research projects are agriculture-related; other subjects include health, population, rural development, water and land resources, and energy.

2.a. The building-up of institutional systems in developing countries for science and technology.

AID projects considered as "institution-building" are generally of two types: those which establish or support educational institutions, and those which establish decision-making, planning, service delivery or linkage units within the central or local government structure.

AID supports formal educational institutions at all levels. Funds go toward teacher training, curriculum development, scholarships, and the introduction of new technology.

AID also supports a sizeable number of educational institutions designed to increase the number of skilled technicians in development-related fields such as agriculture, health delivery, and engineering. Finally, AID supports institutions which are designed to impart vocational skills to underemployed or disadvantaged sectors of the population.

## XII

Discussions in the UN and elsewhere emphasize the necessity of building the institutional capacity within LDCs for the assessment, selection, adaptation, and development of technologies. Many AID projects support the creation of ministry-level planning administrative or service delivery units in such fields as agriculture, energy, and rural development. The largest number of such projects are health related, and all typically fund the training of senior officials and civil servants in planning and evaluation methodologies. A few projects create institutions specifically designed to address issues of technology transfer, technological choice and adaptation.

Finally, AID is supporting in most regions the establishment of remote sensing centers for training and interpretation of LANDSAT and other satellite data as requested by LDCs. These could be described as new institutions assisting LDCs in the adaptation and utilization of a development-significant technology. They could also be considered a mechanism for sharing U.S. R&D results with LDCs under Agenda item 2.b.

2.b. Research and development in the industrialized countries in regard to problems of importance to developing countries.

AID supports research and development activities on problems of development through the Title XII program. Broadly defined, the main provision of Title XII, and its central intent, is to provide an expanded role for U.S. agricultural colleges and universities in helping to solve the critical food problems of the developing world. The legislation is based on the fact that much of U.S. agriculture's success is due to the combined approach of teaching, research, and extension in American agricultural colleges and universities as well as on the proven effectiveness of these institutions in agricultural development activities abroad. Funds may go to support research done entirely by U.S. universities and contractors or done in the host country primarily by U.S. personnel. AID also funds baseline studies and other internal studies of development issues common to many countries through its development support bureaus, creating a knowledge base useful in the design of projects.

2.c. Mechanisms for an exchange of scientific and technological information and experiences significant to development.

AID projects in this category are oriented toward the developing countries' need for access to scientific information. They promote the exchange of information between developed and developing countries through technical consultants, conferences, workshops, and seminars. Some projects create information systems in specific fields, e.g., health population/family planning, etc., and others provide manpower training in information handling and data collection.

2.d. The strengthening of international cooperation among all countries and the design of concrete forms of international cooperation in the fields of science and technology for development.

AID projects encourage international cooperation primarily through the support of existing international agricultural research institutions.

- 2.d. The promotion of cooperation among developing countries and the role of developing countries in such cooperation.

The developed nations seek to develop patterns of mutual cooperation among the developing countries themselves. AID supports the creation of new regional organizations, as well as developmental projects carried out on a regional level.

Section 2: Projects listed in Section 1 have been reorganized and listed under subject areas for the U.N. Conference in this Section. Two additional subject areas have been added for purposes of this study: Multi-subject/Other and Education and Training. The Subject areas covered in Section 2 are:

1. Food and Agriculture
  - a. Agricultural technology and techniques and their improvement
  - b. Nutrition
  - c. Fisheries
  - d. Food storage and processing
2. Natural Resources, including Energy
  - a. Renewable and non-renewable
  - b. Conventional and non-conventional sources of energy
  - c. Development and conservation
  - d. Rational management and utilization
3. Health, Human Settlements, and Environment
  - a. Medicinal plants and pharmaceuticals
  - b. Health services
  - c. Housing
  - d. Social services and environment
4. Transportation and Communications
5. Industrialization, including Production of Capital Goods
6. Multi-subject/Other
7. Education and Training

SECTION I: AID PROJECTS RELEVANT TO THE  
AGENDA OF THE UN CONFERENCE ON SCIENCE  
AND TECHNOLOGY FOR DEVELOPMENT

This section contains a listing of individual AID projects and their budgets believed to be relevant to the UNCSTD agenda. These projects were selected from development assistance, economic support fund, international disaster assistance, American schools and hospitals abroad and Sahel development programs. They are arranged by UNCSTD agenda items and under each agenda item by geographical area. The UNCSTD subject area (Section 2) codes assigned to each project appear in this list at the far right.

Except as noted below, budget data are from the Agency's late September 1978 submission to the Office of Management and Budget, with figures for FY 1980 at the "ceiling" level except for Egypt, Jordan and Syria, where the "proposed" level is shown. Updated budget figures are shown for projects listed here that also appear in Sections 4 and 5. A budget summary by agenda items and geographic area follows:

SECTION 1: SUBTOTALS - BY AGENDA ITEM

Agenda Item 1a. Science and technology for development -- the choice and transfer of technology.

| <u>REGION</u> | <u>FY 1978</u> | <u>FY 1979</u> | <u>FY 1980</u> |
|---------------|----------------|----------------|----------------|
| Africa        | 7,182          | 9,125          | 14,580         |
| Asia          | 11,680         | 14,388         | 27,225         |
| Near East     | 5,518          | 17,887         | 15,475         |
| Latin America | 1,888          | 17,433         | 11,043         |
| Interregional | 8,075          | 5,064          | 4,683          |
| TOTAL         | <u>34,343</u>  | <u>63,897</u>  | <u>73,006</u>  |

Agenda Item 1b. Elimination of obstacles to the better utilization of knowledge in science and technology for development.

| <u>REGION</u> |                |                |                |
|---------------|----------------|----------------|----------------|
| Africa        | 78,513         | 53,465         | 63,799         |
| Asia          | 76,296         | 68,085         | 108,169        |
| Near East     | 190,057        | 453,131        | 433,133        |
| Latin America | 77,236         | 34,968         | 57,389         |
| Interregional | 59,329         | 63,917         | 66,810         |
| TOTAL         | <u>481,431</u> | <u>673,566</u> | <u>729,300</u> |

Agenda Item 1c. Methods of integrating science and technology in economic and social development.

| <u>REGION</u> |                |                |                |
|---------------|----------------|----------------|----------------|
| Africa        | 33,338         | 32,614         | 52,883         |
| Asia          | 128,324        | 153,300        | 200,295        |
| Near East     | 12,452         | 69,233         | 143,728        |
| Latin America | 55,306         | 32,969         | 29,459         |
| Interregional | 34,996         | 39,571         | 42,445         |
| TOTAL         | <u>264,416</u> | <u>327,687</u> | <u>468,810</u> |

Agenda Item 1d. New science and technology for overcoming obstacles to development.

| <u>REGION</u> |               |               |               |
|---------------|---------------|---------------|---------------|
| Africa        | 2,866         | 9,855         | 11,958        |
| Asia          | 21,470        | 9,370         | 16,700        |
| Near East     | 7,282         | 5,923         | 8,099         |
| Latin America | 699           | 1,875         | 8,309         |
| Interregional | 13,652        | 16,895        | 16,530        |
| TOTAL         | <u>45,969</u> | <u>43,918</u> | <u>61,596</u> |

Agenda Item 2a. The building up and expansion of institutional systems in developing countries for science and technology.

| <u>REGION</u> | <u>FY 1978</u> | <u>FY 1979</u> | <u>FY 1980</u> |
|---------------|----------------|----------------|----------------|
| Africa        | 15,247         | 30,608         | 16,001         |
| Asia          | 31,651         | 48,101         | 42,900         |
| Near East     | 12,470         | 16,689         | 22,056         |
| Latin America | 12,340         | 54,229         | 22,649         |
| Interregional | 9,552          | 8,187          | 7,965          |
| TOTAL         | <u>81,260</u>  | <u>157,814</u> | <u>111,571</u> |

Agenda Item 2b. Research and development in the industrialized countries in regard to problems of importance to developing countries.

| <u>REGION</u> |               |               |               |
|---------------|---------------|---------------|---------------|
| Africa        | 700           | 1,000         | 2,650         |
| Asia          | ---           | ---           | ---           |
| Near East     | ---           | 3,140         | 5,300         |
| Latin America | 250           | 2,250         | ---           |
| Interregional | 16,403        | 29,453        | 40,559        |
| TOTAL         | <u>17,353</u> | <u>35,843</u> | <u>48,509</u> |

Agenda Item 2c. Mechanisms for the exchange of scientific and technological information and experiences significant to development.

| <u>REGION</u> |               |               |               |
|---------------|---------------|---------------|---------------|
| Africa        | 170           | 500           | 300           |
| Asia          | ---           | ---           | ---           |
| Near East     | ---           | ---           | ---           |
| Latin America | 226           | 500           | 758           |
| Interregional | 11,690        | 11,701        | 10,331        |
| TOTAL         | <u>12,086</u> | <u>12,701</u> | <u>11,389</u> |

Agenda Item 2d. The strengthening of international cooperation among all countries and the design of concrete new forms of international cooperation in the fields of science and technology for development.

| <u>REGION</u> |               |               |               |
|---------------|---------------|---------------|---------------|
| Africa        | ---           | ---           | ---           |
| Asia          | 725           | ---           | ---           |
| Near East     | ---           | ---           | 2,100         |
| Latin America | 1,100         | 1,164         | 1,300         |
| Interregional | 27,574        | 33,072        | 36,250        |
| TOTAL         | <u>29,399</u> | <u>34,236</u> | <u>39,650</u> |

Agenda Item 2e. The promotion of cooperation among developing countries and the role of developed countries in such cooperation

| <u>REGION</u> | <u>FY 1978</u> | <u>FY 1979</u> | <u>FY 1980</u> |
|---------------|----------------|----------------|----------------|
| Africa        | 1,800          | 3,790          | 3,855          |
| Asia          | 1,025          | 2,480          | 5,495          |
| Near East     | ---            | ---            | ---            |
| Latin America | 250            | 250            | 350            |
| Interregional | 4,400          | 4,000          | 4,000          |
| <b>TOTAL</b>  | <u>7,475</u>   | <u>10,520</u>  | <u>13,700</u>  |

Agenda Item 3. Utilization of the existing United Nations system and other international organizations.

| <u>REGION</u> |               |               |               |
|---------------|---------------|---------------|---------------|
| Africa        | 2,400         | 2,140         | 2,100         |
| Asia          | ---           | ---           | ---           |
| Near East     | ---           | ---           | ---           |
| Latin America | ---           | ---           | ---           |
| Interregional | ---           | ---           | ---           |
| <b>TOTAL</b>  | <u>32,900</u> | <u>35,700</u> | <u>37,000</u> |
|               | 35,300        | 37,840        | 39,100        |

**A.I.D. PROJECTS RELEVANT TO UNCSTD AGENDA**

**UNCSTD Agenda Items:**

**1. SCIENCE AND TECHNOLOGY FOR DEVELOPMENT**

|   | <u>Project No.</u> | <u>FY 78</u>                | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|-----------------------------|--------------|--------------|---------------------|
|   |                    | <u>(In thousands of \$)</u> |              |              |                     |
| (a) The choice and transfer of technology for development:  |                    |                             |              |              |                     |
| <u>AFRICA</u>   |                    |                             |              |              |                     |
| <u>Tanzania</u>   |                    |                             |              |              |                     |
| Zanzibar Rice Production                                    | 6210151            |                             |              | 1825         | 1a                  |
| <u>Cameroon</u>   |                    |                             |              |              |                     |
| National Cereals Research and Extension (IITA) <sup>1</sup> | 6310013            |                             |              | 825          | 7                   |
| <u>Ghana</u>  |                    |                             |              |              |                     |
| Women's Small Scale Industrial Cooperatives                 | 6410093            |                             | 275          | 485          | 7                   |
| <u>Rwanda</u>   |                    |                             |              |              |                     |
| Area Development - I  | 6960110            |                             |              | 2320         | 1a                  |
| <u>Africa Regional</u>                                      |                    |                             |              |              |                     |
| African Manpower Development Project                        | 6980384            | 4335                        | 4850         | 4920         | 7                   |
| Accelerated Impact Program                                  | 6980410            | 2447                        | 3000         | 3000         | 6(1b) <sup>2</sup>  |
| Improved Rural Technology                                   | 6980407            | 400                         | 1,000        | 1,205        | 6                   |
| Subtotal  |                    | 7182                        | 9125         | 14580        |                     |

<sup>1</sup>The name of international and private voluntary organizations (PVO) involved in the project are in parenthesis.  
<sup>2</sup>Alternative subject codes are in parenthesis, for projects that have strong elements of both. (Projects having more than two elements are coded 6: Multi-Subject/Other); totals reflect only primary coding.

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <b><u>ASIA</u></b>                              |                    |              |              |              |                     |
| <b><u>Bangladesh</u></b>                        |                    |              |              |              |                     |
| Rural Industries                                | 3880042            |              |              | 5000         | 5                   |
| <b><u>Pakistan</u></b>                          |                    |              |              |              |                     |
| Agriculture Research                            | 3910296            |              | 240          | 200          | 1a                  |
| <b><u>Thailand</u></b>                          |                    |              |              |              |                     |
| Renewable/Non-Conventional Energy Development   | 4930304            |              |              | 5000         | 2a(2b)              |
| <b><u>Indonesia</u></b>                         |                    |              |              |              |                     |
| Rural Dynamics Research                         | 4970294            |              |              | 500          | 7                   |
| Family Planning Development & Services          | 4970270            | 4180         | 5190         | 6500         | 3b                  |
| Oral Contraceptives                             | 4970271            | 7000         | 7000         | 8000         | 3a                  |
| Self Instructional Learning System              | 4970280            |              | 1525         | 1300         | 7                   |
| Appropriate and Low-cost Technology             | 4970268            | 500          |              |              | 6                   |
| <b><u>Asia Regional</u></b>                     |                    |              |              |              |                     |
| Extension of Small Scale Agricultural Equipment | 4980265            |              | 433          | 725          | 1a                  |
| International Rice Research Institute           |                    |              |              |              |                     |
| Subtotal  |                    | 11,680       | 14,388       | 27,225       |                     |
| <b><u>NEAR EAST</u></b>                         |                    |              |              |              |                     |
| <b><u>Yemen Arab Republic</u></b>               |                    |              |              |              |                     |
| Appropriate Village Technology                  | 2790046            |              | 1070         | 575          | 1a                  |
| <b><u>Afghanistan</u></b>                       |                    |              |              |              |                     |
| Integrated Wheat Development                    | 3060163            |              | 2017         |              | 1a                  |
| <b><u>Tunisia</u></b>                           |                    |              |              |              |                     |
| Agriculture Technology Transfer                 | 6640304            | 1480         |              |              | 1a                  |
| Science and Technology Development - Phase I    | 6640300            | 1538         |              |              | 6                   |
| <b><u>Egypt</u></b>                             |                    |              |              |              |                     |
| Univ. Instruction Materials and Libraries       | 2630067            | 2500         | 1500         | 3000         | 7                   |
| Vocational Education                            | 2630062            |              | 5800         | 1000         | 7                   |
| Private Sector Development                      | 2630078            |              | 1000         | 1500         | 5                   |
| Middle Management Education Program             | 2630090            |              | 1000         | 1000         | 5                   |

|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| Investment Services Advisory Center               | 2630092            |              | 500          | 1000         | 5                   |
| Small Scale Agriculture Activities                | 2630096            |              | 500          | 1000         | 1a                  |
| Rural Employment Generation                       | 2630104            |              |              | 2000         | 5                   |
| Agribusiness Development                          | 2630056            |              | 2500         |              | 1a                  |
| <u>Syria</u>                                      |                    |              |              |              |                     |
| Agricultural Research                             | 2760031            |              |              | 1700         | 1a                  |
| <u>Jordan</u>                                     |                    |              |              |              |                     |
| Technical Services and Feasibility Studies II     | 2780224            |              | 2000         | 2700         | 6                   |
| Subtotal  |                    | 5,518        | 17,887       | 15,475       |                     |
| <u>LATIN AMERICA</u>                              |                    |              |              |              |                     |
| <u>Costa Rica</u>                                 |                    |              |              |              |                     |
| Energy Development and Conservation               | 5150149            |              |              | 3000         | 2a                  |
| <u>Dominican Republic</u>                         |                    |              |              |              |                     |
| Instituto Superior de Agricultura                 | 5170125            |              |              | 2000         | 7                   |
| <u>El Salvador</u>                                |                    |              |              |              |                     |
| Small Enterprise Development (Technoserve)        | 5190197            | 120          | 180          | 180          | 1a                  |
| <u>Guatemala</u>                                  |                    |              |              |              |                     |
| Food Productivity & Nutritional Improvement       | 5200232            | 475          | 330          |              | 1a                  |
| Rural Enterprises Development                     | 5200245            |              | 7700         | 308          | 1a                  |
| <u>Haiti</u>                                      |                    |              |              |              |                     |
| Appropriate Technology                            | 5210095            | 623          | 241          | 468          | 6                   |
| Developmental Research and Studies                | 5210100            |              | 385          | 425          | 3d                  |
| <u>Honduras</u>                                   |                    |              |              |              |                     |
| Small Farmer Technologies                         | 5220123            | 350          | 697          | 1000         | 1a                  |
| Rural Technologies                                | 5220157            |              | 850          | 1900         | 1a                  |
| <u>Jamaica</u>                                    |                    |              |              |              |                     |
| Science and Technology                            | 5320065            |              |              | 200          | 2b                  |
| <u>Other West Indies-Eastern Caribbean Region</u> |                    |              |              |              |                     |
| Employment Investment Promotion                   | 5380013            | 320          | 7050         | 987          | 5                   |

|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <u>Regional Office Central America &amp; Panama</u> |                    |              |              |              |                     |
| <u>Non-Conventional Energy Studies</u>              | 5960086            |              |              | 300          | 2b                  |
| <u>Latin America Regional</u>                       |                    |              |              |              |                     |
| <u>Seed Training, Outreach and Research Unit</u>    | 5980595            |              |              | 275          | 1a                  |
| Subtotal  |                    | 1,888        | 17,433       | 11,043       |                     |
| <u>INTERREGIONAL</u> <sup>1</sup>                   |                    |              |              |              |                     |
| Appropriate Technology Information Network          | 0132250            |              | 225          |              | 1a                  |
| Matching-Grant (Technoserve, Inc.)                  | 9030008            | 365          |              | 400          | 6                   |
| Matching-Grant (Heifer Project International)       | 9030013            | 150          | 161          | 200          | 1a                  |
| Volunteers in Technical Assistance (VITA)           | 9030028            | 280          | 280          | 280          | 6                   |
| Protein/Calorie Interventions                       | 0230625            | 2714         |              | 540          | 1b                  |
| Nutrition Science & Technology Support              | 0230799            |              | 275          | 3            | 1b                  |
| Nutrition Surveys/Surveillance                      | 0231064            | 772          | 300          | 300          | 1b                  |
| Consumption Effects of Agricultural Policies        | 0231274            |              | 500          | 513          | 1b                  |
| Consumption Effects of Economic Policies            | 0231315            | 320          |              |              | 1b                  |
| Transportation Technology Supply Services           | 0341116            |              | 200          |              | 4                   |
| Weed Control Utilization                            | 0210206            | 383          | 383          |              | 1a                  |
| Expanded Program of Economics                       | 0210236            | 1702         | 800          | 750          | 1a                  |
| Sorghum Pest Resistance                             | 0210578            | 350          |              |              | 1a                  |
| Technology Policy and Rural Income                  | 0211168            | 244          |              |              | 1a                  |
| Technology Innovation                               | 0321313            |              | 500          |              | 6                   |
| Health Impact-Non Sector Activities                 | 0421014            |              | 165          |              | 3b                  |
| Subtotal  |                    | 8,075        | 5,064        | 4,683        |                     |
| TOTAL   |                    | 34,343       | 63,897       | 73,006       |                     |

1.(b) Elimination of obstacles to the better utilization of knowledge and capabilities in science and technology for the development of all countries, particularly for their use in developing countries:

<sup>1</sup>INTERREGIONAL Category contains projects which have broad geographical focus, or are centrally funded in order to create a common knowledge-base on development problems.

|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| <b>AFRICA</b>  |                    |              |              |              |                     |
| <u>Djibouti</u>                                      |                    |              |              |              |                     |
| Skills Training                                      | 6030002            |              |              | 400          | 7                   |
| <u>Kenya</u>   |                    |              |              |              |                     |
| Family Planning                                      | 6150161            | 500          | 124          |              | 3b                  |
| National Range-Ranch Development                     | 6150157            | 1082         | 681          | 998          | 2d(1a)              |
| Rural Roads Systems                                  | 6150168            | 500          | 500          | 348          | 4                   |
| Agricultural System Support Project                  | 6150169            | 23200        | 4700         | 17200        | 6                   |
| Rural Blindness - International Eye Foundation       | 6150173            | 390          |              |              | 3b                  |
| Rural Health Delivery                                | 6150177            |              | 4700         | 5750         | 3b                  |
| <u>Tanzania</u>                                      |                    |              |              |              |                     |
| Manpower Training Program for MCH Aides <sup>1</sup> | 6210121            | 1667         | 1681         | 770          | 3b                  |
| Training for Rural Development                       | 6210149            |              | 750          | 2985         | 7                   |
| Arusha Regional Planning Village Development         | 6210143            | 6834         | 1577         | 4353         | 4                   |
| Rural Access Roads                                   | 6210148            |              | 1500         | 3905         | 4                   |
| <u>Cameroon</u>                                      |                    |              |              |              |                     |
| Cameroon Reproductive Health                         | 6310021            |              | 800          | 200          | 3b                  |
| University Center for Health Services                | 6310531            | 1717         |              |              | 3b                  |
| Transcameroon Railroad III                           | 6310011            | 7500         |              |              | 4                   |
| <u>Sierra Leone</u>                                  |                    |              |              |              |                     |
| Rural Roads II-(CARE)                                | 6360111            | 1800         | 1141         | 1050         | 4                   |
| <u>Ghana</u>   |                    |              |              |              |                     |
| Transportation Maintenance Training Center           | 6410089            |              | 500          | 365          | 7                   |
| Population Program Support                           | 6410064            | 475          |              |              | 3d                  |
| Programs in Population Dynamics                      | 6410087            | 250          | 275          |              | 6                   |
| Management Rural Health Services                     | 6410068            | 866          |              |              | 3b                  |
| Agricultural Management Development                  | 6410070            | 410          | 340          | 100          | 7                   |
| District Planning & Rural Development                | 6410073            |              | 1500         | 800          | 3d                  |
| <u>Somali Republic</u>                               |                    |              |              |              |                     |
| Livestock Development                                | 6490108            |              |              | 800          | 2c                  |
| <u>Sudan</u>   |                    |              |              |              |                     |
| Rural Planning                                       | 6500012            |              | 750          | 500          | 7                   |
| Southern Manpower Development                        | 6500021            | 2000         |              | 1000         | 7                   |

<sup>1</sup>Maternal/Child Health.

|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| North Sudan Primary Health Care                | 6500011            | 1900         | 2700         | 1100         | 3b                  |
| South Sudan Primary Health Care                | 6500019            | 1500         | 430          | 400          | 3'                  |
| Health Sector                                  | 6500030            |              | 3000         |              | 3b                  |
| <u>Cape Verde</u>                              |                    |              |              |              |                     |
| Desalination/Power on Sal Island               | 6550005            | 6290         |              |              | 2b                  |
| <u>Zaire</u>                                   |                    |              |              |              |                     |
| Development Manpower Training                  | 6600068            |              | 500          |              | 7                   |
| Nonformal Education Staff Development-(CIDEP)  | 6600073            |              | 741          | 400          | 7                   |
| Agriculture Market Development                 | 6600019            |              | 5000         | 2000         | 1d                  |
| Agriculture Economic Development Planning      | 6600052            |              | 764          | 800          | 7                   |
| North Shaba Rural Development                  | 6600059            |              |              | 4000         | 1a                  |
| Area Schistosomiasis Control                   | 6600084            |              |              | 600          | 3b                  |
| <u>Ethiopia</u>                                |                    |              |              |              |                     |
| Population, Education and Training             | 6630194            | 200          | 300          | 530          | 3d                  |
| Rural Roads                                    | 6630182            |              | 6100         |              | 4                   |
| Drought Recovery & Rehabilitation              | 6630187            |              |              | 150          | 4                   |
| Agricultural Planning, Analysis and Evaluation | 6630208            |              | 600          | 500          | 7                   |
| <u>Liberia</u>                                 |                    |              |              |              |                     |
| Integrated Rural Health System                 | 6690129            | 195          | 2531         | 900          | 3b                  |
| Health Management Planning                     | 6690126            | 200          | 365          | 220          | 3b                  |
| <u>Guinea</u>                                  |                    |              |              |              |                     |
| Agriculture Production Capacity & Training     | 6750201            | 1810         | 2500         | 2200         | 1a                  |
| <u>Chad</u>                                    |                    |              |              |              |                     |
| Rural School Construction-(CARE)               | 6770021            | 315          |              |              | 7                   |
| <u>Upper Volta</u>                             |                    |              |              |              |                     |
| Village Livestock Development                  | 6860203            | 800          |              |              | 1a                  |
| <u>Mali</u>                                    |                    |              |              |              |                     |
| Small Ruminants Study                          | 6880203            | 250          |              |              | 1a                  |
| <u>Togo</u>                                    |                    |              |              |              |                     |
| Integrated Rural Health Service Delivery       | 6930217            | 200          |              |              | 3b                  |
| Togo Family Health                             | 6930212            | 678          |              |              | 3b                  |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| <u>Burundi</u>                             |                    |              |              |              |                     |
| Land Use Survey                            | 6950104            |              |              | 757          | 2d                  |
| Basic Food Corps                           | 6950101            |              | 1215         | 698          | 1a                  |
| Highland Fisheries                         | 6950102            | 500          | 550          | 255          | 1c                  |
| <u>African Regional - Sahel</u>            |                    |              |              |              |                     |
| Tarrafal Water Resources                   | 6550003            | 900          |              |              | 2c                  |
| Comprehensive Human Resources Development  | 6770005            | 1000         |              |              | 7                   |
| Rural Health Improvement                   | 6830208            | 2000         |              |              | 3b                  |
| Basic Health Delivery Services-(Africare)  | 6830214            | 800          |              |              | 3b                  |
| Niamey Department Development              | 6830205            | 1675         |              |              | 1c                  |
| Rural Roads-Eastern Ord                    | 6860215            | 823          |              |              | 4                   |
| Rural Health Services Development          | 6880208            | 735          |              |              | 3b                  |
| <u>Southern Africa Region--Osarac</u>      |                    |              |              |              |                     |
| Southern Africa Academic & Skills Training | 6900083            | 1647         |              |              | 7                   |
| <u>Africa Regional</u>                     |                    |              |              |              |                     |
| Regional Onchocerciasis-Free Area Planning | 6980416            | 1092         | 1150         | 1000         | 3b                  |
| Maternal and Child Health Extension        | 6980358            | 412          |              |              | 3b                  |
| MCH/Family Planning/Nutrition              | 6980392            | 420          |              |              | 3b                  |
| Strengthening Health Delivery Systems II   | 6980398            | 2365         | 3000         | 3500         | 3b                  |
| Health Constraints to Rural Production     | 6980408            |              | 500          | 1200         | 3b                  |
| Energy Initiative                          | 698EEEE            |              |              | 1065         | 2b                  |
| Regional Water Resources - Savannah        | 6980415            | 615          |              |              | 1a                  |
| Subtotal                                   |                    | 78,513       | 53,465       | 63,799       |                     |
| <u>ASIA</u>                                |                    |              |              |              |                     |
| <u>Nepal</u>                               |                    |              |              |              |                     |
| Trail Suspension Bridges                   | 3670119            |              | 2000         |              | 4                   |
| Population/Family Planning                 | 3670096            | 1153         | 2260         |              | 3d                  |
| <u>Bangladesh</u>                          |                    |              |              |              |                     |
| Rural Irrigation                           | 3880012            |              |              | 7582         | 1a                  |
| Rural Roads                                | 3880032            |              | 2000         | 12000        | 4                   |

|   | <u>Project No.</u> | <u>FY 78</u>  | <u>FY 79</u>  | <u>FY 80</u>   | <u>Subject Area</u> |
|---|--------------------|---------------|---------------|----------------|---------------------|
| Population/Family Planning                        | 3880001            | 7810          | 8500          | 11800          | 3d                  |
| Family Welfare Centers                            | 3880038            |               |               | 1000           | 3b                  |
| Technical Resources Development                   | 3880027            |               | 650           |                | 7                   |
| Flood and Cyclone Warning System                  | 3880046            |               |               | 5000           | 3d                  |
| <u>Pakistan</u>                                   |                    |               |               |                |                     |
| On-farm Water Management                          | 3910413            | 317           | 750           | 750            | 2d                  |
| Malaria Control                                   | 3910424            |               |               | 5000           | 3b                  |
| <u>Philippines</u>                                |                    |               |               |                |                     |
| Rural Roads II                                    | 4920297            | 7000          | 10617         |                | 4                   |
| Freshwater Fisheries Development                  | 4920322            |               | 400           | 1000           | 1c                  |
| Local Water Development I                         | 4920309            | 500           | 500           |                | 3b                  |
| Unified Services for Health-Panay Island          | 4920312            | 5716          |               |                | 3b                  |
| Barangay Water Systems II                         | 4920333            |               |               | 8387           | 3b                  |
| <u>Thailand</u>                                   |                    |               |               |                |                     |
| Malaria and Vector Control                        | 4930305            |               | 4500          |                | 3b                  |
| <u>Indonesia</u>                                  |                    |               |               |                |                     |
| Sederhana Irrigation & Land Development II        | 4970252            | 19200         | 10300         |                | 1a                  |
| Rural Electrification I                           | 4970267            | 33000         | 3000          |                | 2b*                 |
| Rural Electrification II                          | 4970283            |               |               | 34000          | 2b*                 |
| Rural Works II                                    | 4970285            |               | 9000          | 17000          | 1a                  |
| Feeder Roads Management I                         | 4970306            |               |               | 3000           | 4                   |
| Expanded Program Immunization                     | 4970253            |               | 12000         |                | 3a                  |
| Health Training, Research and Development         | 4970273            | 600           | 1000          | 850            | 3b                  |
| Science & Technology: Practical Applications      | 4970266            | 600           | 250           | 300            | 6                   |
| <u>Asia Regional</u>                              |                    |               |               |                |                     |
| Applied Res. & Trng. in Health, Pop., & Nutrition | 498AP00            |               | 358           | 500            | 3d                  |
| Communications Technology Applications            | 4981140            | 400           |               |                | 4                   |
| <b>Subtotal</b>                                   |                    | <b>76,296</b> | <b>68,085</b> | <b>108,169</b> |                     |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <b>NEAR EAST</b>                              |                    |              |              |              |                     |
| <b><u>Yemen Arab Republic</u></b>             |                    |              |              |              |                     |
| Water Supply Systems Management               | 2790028            | 1580         | 200          | 635          | 3d                  |
| Small Rural Water Projects                    | 2790044            |              | 1870         |              | 2d                  |
| Water Survey of North Yemen                   | 2790025            | 500          |              |              | 2c                  |
| <b><u>Near East Regional</u></b>              |                    |              |              |              |                     |
| <b><u>PVOs</u></b>                            |                    |              |              |              |                     |
|   | 2980036            |              | 250          | 700          | 3b                  |
| <b><u>Afghanistan</u></b>                     |                    |              |              |              |                     |
| Irrigation Development                        | 3060171            |              |              | 1600         | 1a                  |
| Afghan Family Guidance Association            | 3060139            | 191          | 340          | 444          | 3b                  |
| Expanded Health/Family Planning               | 3060173            |              |              | 688          | 3b                  |
| Basic Health Services                         | 3060144            | 1080         | 4200         | 5000         | 3b                  |
| Primary School Teacher Training               | 3060167            |              | 2022         | 1676         | 7                   |
| <b><u>Morocco</u></b>                         |                    |              |              |              |                     |
| Family Planning Support                       | 6080112            | 706          | 1974         | 2920         | 3d                  |
| <b><u>Egypt</u></b>                           |                    |              |              |              |                     |
| Strengthening Rural Health Delivery           | 2630015            | 1800         | 1000         | 1800         | 3b                  |
| Applied Science & Technology Research         | 2630016            | 4200         | 1000         | 5200         | 6                   |
| Technical Transfer & Manpower Development III | 2630026            | 4000         | 2000         | 2000         | 6                   |
| Family Planning                               | 2630029            | 4000         | 6500         | 7000         | 3d                  |
| Agriculture Development Systems               | 2630041            | 3800         | 2000         | 2500         | 1a                  |
| Poultry Improvement                           | 2630060            | 3500         | 600          |              | 1a                  |
| Development Planning Studies                  | 2630061            | 3800         | 2000         | 1600         | 6                   |
| Urban Low Cost Health Delivery                | 2630065            | 2000         | 12000        | 1000         | 3b                  |
| Basic Village Services                        | 2630103            |              |              | 2300         | 3d                  |
| Canal Cities Water & Sewage                   | 2630048            | 48500        |              | 40000        | 3b                  |
| Cairo Sewage III                              | 2630091            | 25000        | 19000        | 50000        | 3b                  |
| Industrial Production                         | 2630101            | 50000        |              | 25000        | 5                   |
| Suez Electric Generating Plant                | 2630110            |              | 100000       |              | 2b*                 |
| Alexandria Sewage                             | 2630038            |              | 50000        | 50000        | 3b                  |
| Suez Canal Port Development                   | 2630047            |              | 30000        |              | 4                   |
| Flat Glass                                    | 2630053            |              | 30000        |              | 5                   |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| Edfu Pulp & Paper Mill                      | 2630058            |              | 70000        |              | 5                   |
| Suez Free Zones                             | 2630093            |              | 10000        |              | 5                   |
| Provincial Water                            | 2630073            |              |              | 60000        | 3b                  |
| Telecommunications                          | 2630075            |              |              | 40000        | 4                   |
| Irrigation Pumps                            | 2630107            |              |              | 15000        | 1a                  |
| Fertilizer Production & Distribution        | 2630109            |              |              | 20000        | 1a                  |
| <u>Syria</u>                                |                    |              |              |              |                     |
| Soils Survey/Land Classification            | 2760020            | 2200         | 1350         | 700          | 2d(1a)              |
| Technical Health Institute                  | 2760019            | 4050         | 750          | 350          | 7                   |
| Health Centers                              | 2760034            |              |              | 7500         | 3b                  |
| General Participant Training                | 2760004            | 850          | 850          | 1100         | 7                   |
| Technical Services/Feasibility Study IV     | 2760029            |              | 1500         |              | 6                   |
| Technical Services/Feasibility Study V      | 2760032            |              |              | 1500         | 6                   |
| <u>Jordan</u>                               |                    |              |              |              |                     |
| Water and Sewerage-Amman                    | 2780220            | 28500        | 10500        |              | 3d                  |
| Water Management Technology                 | 2780192            | 300          | 500          |              | 7                   |
| Sewerage-Aquaba                             | 2780206            |              | 7500         |              | 3d                  |
| Potash Production                           | 2780222            |              | 33000        |              | 2d                  |
| Maqarin Dam/Jordan Valley Irrigation System | 2780225            |              | 50000        | 50000        | 2d                  |
| Vocational Training                         | 2780238            |              | 225          | 600          | 7                   |
| Water and Sewerage-Zarqa                    | 2780234            |              |              | 12000        | 2d                  |
| Water and Sewerage-Irbid                    | 2780233            |              |              | 15000        | 2d                  |
| Community Development/Nutrition             | 2780236            |              |              | 300          | 1d                  |
| School Construction II                      | 2780232            |              |              | 7000         | 7                   |
| Subtotal                                    |                    | 190,057      | 453,131      | 433,133      |                     |
| <u>LATIN AMERICA</u>                        |                    |              |              |              |                     |
| <u>Guyana</u>                               |                    |              |              |              |                     |
| Rural Roads                                 | 5040068            |              | 600          | 300          | 4                   |
| Second Rice Modernization Project           | 5040072            | 9940         | 413          | 569          | 6                   |
| Weaning Foods Development                   | 5040073            | 275          | 115          | 90           | 3d                  |
| Agriculture Resource Planning               | 5040077            |              | 233          | 228          | 7                   |
| Rural Health Systems                        | 5040066            |              | 4350         |              | 3b                  |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| <u>Bolivia</u>                                 |                    |              |              |              |                     |
| Rural Access Roads II                          | 5110466            | 13025        | 275          |              | 4                   |
| National Nutrition Improvement                 | 5110484            |              |              | 8300         | 3b                  |
| Fe y Alegria-Forestal Agriculture School       | 5110508            | 100          |              |              | 7                   |
| Conservation and Environmental Protection I    | 5110509            |              | 500          | 500          | 2c                  |
| Rural Potable Water-(CARE)                     | 5110495            |              | 100          | 100          | 3b                  |
| <u>Costa Rica</u>                              |                    |              |              |              |                     |
| Urban Development                              | 5150153            | 5500         |              |              | 3c                  |
| <u>Dominican Republic</u>                      |                    |              |              |              |                     |
| Agricultural Sector Development                | 5170113            | 325          |              |              | 1a                  |
| National Employment Policy                     | 5170121            | 256          |              | 238          | 6                   |
| Health Sector Development                      | 5170107            | 140          |              |              | 3b                  |
| <u>Ecuador</u>                                 |                    |              |              |              |                     |
| Community Based Distribution of Contraceptives | 5180014            |              |              | 500          | 3d                  |
| <u>El Salvador</u>                             |                    |              |              |              |                     |
| Small Farm Natural Resources Management        | 5190217            |              | 155          | 125          | 2d                  |
| Population Dynamics                            | 5190210            |              |              | 893          | 3d                  |
| Rural Health Delivery System                   | 5190179            | 521          |              |              | 3b                  |
| Rural Health Improvement                       | 5190193            |              | 450          |              | 3b                  |
| Health Resources Center                        | 5190194            |              | 75           | 100          | 1a                  |
| Rural Health Improvement                       | 5190218            |              |              | 4500         | 3b                  |
| Environmental Improvement                      | 5190214            |              | 100          | 285          | 2c                  |
| Basic Competitive Skills Training              | 5190172            | 3450         | 180          | 125          | 7                   |
| <u>Guatemala</u>                               |                    |              |              |              |                     |
| Integrated Area Development Studies            | 5200249            | 220          | 278          |              | 6                   |
| Small Farmer Diversification System            | 5200255            |              | 5000         | 400          | 1a                  |
| Evaluation of Rural Health Care                |                    |              |              |              |                     |
| Delivery System                                | 5200230            | 156          | 123          |              | 3b                  |
| Basic Rural Education                          | 5200228            | 200          | 100          |              | 4                   |
| Rural Primary Education                        | 5200229            | 6000         |              |              | 7                   |
| Bilingual Education                            | 5200258            | 200          | 280          | 280          | 7                   |
| Education Administration                       | 5200259            |              | 100          | 200          | 7                   |
| Non-formal Education                           | 5200264            |              |              | 250          | 7                   |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| <u>Haiti</u>                           |                    |              |              |              |                     |
| Agricultural Feeder Roads              | 5210074            | 1050         | 180          | 536          | 5                   |
| Road Maintenance II                    | 5210084            | 1300         | 75           | 435          | 5                   |
| Agriculture Development Support II     | 5210092            | 1000         | 1335         | 1461         | 1a                  |
| Integrated Resources Management        | 5210096            |              | 1266         | 549          | 2d                  |
| Strengthening Health Services II       | 5210086            | 425          |              |              | 3b                  |
| Special Development Activities         | 5210062            | 110          | 75           | 75           | 6                   |
| Water Resource Development (La Gionov) | 5210101            | 100          | 200          | 190          | 2c                  |
| <u>Honduras</u>                        |                    |              |              |              |                     |
| Nutrition                              | 5220124            | 250          | 150          |              | 1a                  |
| Water Resources Management             | 5220134            | 300          |              |              | 2c                  |
| Water Resources Management             | 5220136            |              | 2000         |              | 2c                  |
| Rural Electrification-Aguan Valley     | 5220138            | 10000        |              |              | 2b                  |
| Agricultural Research                  | 5220139            | 150          | 750          | 700          | 1a                  |
| Agriculture Sector II                  | 5220150            |              | 1000         | 7000         | 1a                  |
| Integrated Rural Health Services       | 5220130            | 268          | 360          | 590          | 3b                  |
| Health Sector Planning                 | 5220148            |              | 475          |              | 3b                  |
| Health Sector I                        | 5220153            |              |              | 6000         | 3b                  |
| Small Business Development (AITEC)     | 522AS00            |              | 100          | 100          | 5                   |
| Village Water System (CARE)            | 5220152            |              | 120          |              | 3b                  |
| <u>Nicaragua</u>                       |                    |              |              |              |                     |
| Small Farm Enterprise                  | 5240135            |              | 296          | 64           | 1a                  |
| Rural Development Sector Loan II       | 5240138            |              | 4000         |              | 1a                  |
| Agriculture Frontier Development       | 5240147            |              |              | 195          | 1a                  |
| Family Planning Services               | 5240139            | 510          | 509          |              | 3b                  |
| Family Planning-MCH Urban Promoters    | 5240167            |              |              | 379          | 3b                  |
| Rural Education Development            | 5240115            | 7780         | 270          | 340          | 7                   |
| Campeño Training Institute             | 5240145            |              | 100          | 28           | 1a                  |
| Rural Family Education Centers         | 5240160            | 115          | 196          |              | 1a                  |
| <u>Panama</u>                          |                    |              |              |              |                     |
| Access Roads                           | 5250192            | 10000        |              |              | 4                   |
| Population                             | 5250142            | 309          |              |              | 3b                  |
| Population II                          | 5250204            |              | 495          | 510          | 3b                  |
| Workforce Development                  | 5250214            |              |              | 3500         | 7                   |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <u>Paraguay</u>   |                    |              |              |              |                     |
| Market Town Development                                   | 5260112            |              |              | 200          | 3d                  |
| Minifundia Crop Intensification                           | 5260118            |              | 445          | 655          | 1a                  |
| Population II   | 5260305            |              | 532          | 496          | 3d                  |
| Rural Radio Education                                     | 5260502            | 187          |              |              | 7                   |
| <u>Peru</u>   |                    |              |              |              |                     |
| Soy and Corn Production by Small Farmers                  | 5270149            | 646          | 399          | 237          | 1a                  |
| On-Farm Water Management                                  | 5270170            | 189          | 191          | 117          | 1a                  |
| Family Centers in Pueblos Jovenes, Lima                   | 5270185            |              | 50           | 100          | 3d                  |
| National Responsible Parenthood                           | 5270160            |              | 100          | 100          | 3b                  |
| Education for Responsible Parenthood                      | 5270182            | 5            | 213          | 198          | 7                   |
| Health Services in Central Sierra                         | 5270198            |              |              | 7500         | 3b                  |
| Decentralizing Education Planning                         | 5270158            | 237          |              |              | 7                   |
| Pre-school Education for Disadvantaged                    | 5270161            |              | 199          | 151          | 7                   |
| Campesino Training (IPFE)                                 | 5270179            | 100          | 110          |              | 7                   |
| <u>Jamaica</u>  |                    |              |              |              |                     |
| — Fish Production System Development —                    | 5320059            |              | 3380         |              | 1c                  |
| Agricultural Planning                                     | 5320061            |              | 500          | 250          | 7                   |
| Health and Nutrition Sector Development                   | 5320064            |              |              | 4750         | 3b                  |
| Training for Development                                  | 5320068            |              |              | 300          | 7                   |
| <u>Other West Indies-Eastern Caribbean Region</u>         |                    |              |              |              |                     |
| Basic Health Management Training                          | 5380019            | 1000         |              | 400          | 7                   |
| Community Water Supply and Sanitation                     | 5380020            |              | 1000         | 800          | 3b                  |
| Environmental Health Management                           | 538E100            |              |              | 500          | 3b                  |
| <u>Regional Office Central America &amp; Panama-ROCAP</u> |                    |              |              |              |                     |
| Nutrition Programs  | 5960065            | 500          | 480          |              | 3d                  |
| <u>Latin America Regional</u>                             |                    |              |              |              |                     |
| Scholarship Program of American Universities              | 5980453            | 242          |              |              | 7                   |
| Economics of Education Studies                            | 5980567            | 155          |              |              | 4                   |
| Subtotal  |                    | 77,236       | 34,968       | 57,389       |                     |

| <u>INTERREGIONAL</u>   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| American Schools and Hospitals Abroad <sup>1</sup>                 | 9130000            | 19128        | 20075        | 12045        | 6                   |
| Maternal Child Health Assessment                                   | 9040002            | 220          | 220          |              | 1b                  |
| Promotion/Market Development - Reimbursable <sup>2</sup>           | 9050001            | 1781         | 1800         | 2800         | 6                   |
| Project Activities - Reimbursable <sup>2</sup>                     | 9050002            |              |              | 800          | 6                   |
| Training in Energy Management                                      | 0352507            |              | 400          | 400          | 7                   |
| Decentralized Hydropower   | 0352515            |              | 1000         | 1500         | 2b*                 |
| Matching Grant - (International Institute of Rural Reconstruction) | 9030012            | 159          | 168          | 200          | 6                   |
| Inst'l. Dev. (World Education, Inc.)                               | 9030022            | 302          | 350          | 270          | 7                   |
| Inst'l. Dev. (Int'l. Eye Foundation)                               | 9030024            | 300          | 300          | 225          | 3b                  |
| Inst'l. Dev. (Int'l. Exec. Service Corps)                          | 9030026            | 4100         | 4000         | 5000         | 5                   |
| Consortia - Nat. Council of Int'l. Health                          | 9030034            | 350          | 144          | 350          | 3b                  |
| Cooperatives - Nat'l. Rural Elec. Coop. Asst.                      | 9030037            | 450          | 550          | 500          | 2b*                 |
| Technical Assistance in Nutrition Education                        | 0231065            |              | 300          | 500          | 1b                  |
| Nutrition Agriculture Centers                                      | 0231124            |              | 600          |              | 1b(1a)              |
| Radio for Elementary Math Teaching                                 | 0410569            | 429          | 200          |              | 7                   |
| Medex Phase II   | 0420235            | 221          |              |              | 3b                  |
| Johns Hopkins Pgm Int'l Ed. in Gyn. & Obstetrics                   | 0430604            | 6670         | 3500         | 7700         | 3b                  |
| Measuring Demographic Change                                       | 0430621            | 836          | 900          | 700          | 3d                  |
| Birth/Death Data Collection  | 0430623            | 799          | 800          | 1000         | 3d                  |
| Fertility Impact: Open Research                                    | 0430632            | 2034         | 6185         | 6700         | 3b                  |
| Awareness of Population Impact                                     | 0430637            | 375          | 300          | 200          | 3b                  |
| Strength Population Information                                    | 0430638            | 518          | 600          | 500          | 3d                  |
| Mass Media Health  | 0411018            | 1205         | 250          | 1100         | 3b                  |
| Family Planning Training Paramed/Auxil                             | 0430644            | 4300         | 4785         | 5200         | 3b                  |
| Education Technical Information Service                            | 0411231            |              | 590          |              | 7                   |
| Worldwide Family Planning Training                                 | 0430651            | 450          | 450          | 450          | 3d                  |
| Population/Development Plan  | 0430655            |              | 2000         | 1000         | 3b                  |
| Demographic Data Collection - Africa                               | 0430658            |              | 750          | 500          | 3b                  |
| Population Information Program                                     | 0430659            | 1141         | 1300         | 1730         | 3b                  |
| Population Field Information Service                               | 0430660            | 1000         | 1000         | 1300         | 3b                  |
| Population Council   | 0430863            | 1543         | 1000         | 1000         | 3b                  |
| American Public Health Association                                 | 0430877            | 611          | 700          | 800          | 3b                  |

<sup>1</sup> Budget figures have been reduced by 19.5% to reflect percentage allocated to Europe.  
<sup>2</sup> See Section 5, page 18 for description of reimbursable project.

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| Johns Hopkins University                | 0430916            | 450          | 500          | 500          | 3b                  |
| Association for Voluntary Sterilization | 0430968            | 7500         | 7600         | 10,680       | 3b                  |
| Family Planning Thru Home Economy       | 0430980            | 500          | 600          | 600          | 3b                  |
| Grain Marketing and Storage             | 0210786            | 978          |              | 400          | 1b                  |
| Commercial Seed Project                 | 0211121            | 515          |              |              | 1a                  |
| Control of Barley Disease               | 0211398            | 454          |              |              | 1a                  |
| Land Use Programming                    | 0310058            |              |              | 150          | 6                   |
| Subtotal                                |                    | 59,329       | 63,917       | 66,810       |                     |
| TOTAL                                   |                    | 481,431      | 673,566      | 729,300      |                     |

1.(c) Methods of integrating science and technology in economic and social development:

AFRICA

Djibouti

Agriculture Sector and Manpower Development

6030001

1000

700

6

Kenya

Kitui Marginal Lands Development

6150172

1300

2000

1a

Arid and Semi-Arid Lands Pre-Investigation Study

6150181

1230

1230

1a

Tanzania

Seed Multiplication and Distribution

6210092

1340

2020

2000

1a

Masai Livestock & Range Management

6210093

655

490

2d

Agriculture Manpower Development

Farmer Training/Production

6210119

1225

1520

610

1a(7)

Agricultural Education and Extension

6210135

2356

6

Tsetse Fly Rearing and Control

6210144

500

410

1a

School Health Program

6210150

700

659

3d

Cameroon

North Cameroon Livestock &

Agriculture Development

6310004

1029

1025

1181

1a

North Cameroon Community Development

6310010

209

3d

Mandara Mountains Water Resources

6310012

1000

1000

2a

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| Small Farmer Livestock and Poultry                  | 6310015            |              | 400          | 200          | 1a                  |
| Satellite Application and Training                  | 6310020            |              |              | 95           | 2d                  |
| Medical System for Cameroon                         | 6310016            |              | 1500         | 2200         | 3b                  |
| Mandara Area Wells                                  | 6310025            |              |              | 450          | 2c                  |
| Rural Health Education                              | 6310201            |              |              | 111          | 3d                  |
| <u>Ghana</u>  |                    |              |              |              |                     |
| Economic & Rural Development Management             | 6410077            | 545          | 620          | 445          | 7                   |
| Population Planning and Rural Development           | 6410098            |              | 360          | 600          | 3d                  |
| Managed Input Delivery/Agriculture Services         | 6410067            | 1600         | 1300         | 1855         | 1a                  |
| Development Applications of Intermediate Technology | 6410084            | 500          | 400          | 650          | 1a                  |
| <u>Somali Republic</u>                              |                    |              |              |              |                     |
| Agriculture Extension, Training and Research        | 6490101            | 1800         | 1000         | 2700         | 1a                  |
| Tsetse Fly Eradication                              | 6490105            |              |              | 400          | 3b                  |
| Rural Health Service                                | 6490102            |              | 1500         | 2900         | 3b                  |
| Comprehensive Groundwater Development               | 6490104            |              | 500          | 1000         | 2c                  |
| <u>Sudan</u>  |                    |              |              |              |                     |
| Blue Nile Agricultural Development                  | 6500018            | 500          | 1500         | 2500         | 1a                  |
| Western Sudan Agricultural Research                 | 6500020            | 617          | 2200         | 7800         | 6                   |
| Abyei Integrated Rural Development                  | 6500025            | 495          |              |              | 1a                  |
| <u>Guinea-Bissau</u>                                |                    |              |              |              |                     |
| Agriculture Development                             | 6570002            | 500          | 500          |              | 1a                  |
| Rice Production                                     | 6570004            |              | 475          | 750          | 1a                  |
| <u>Zaire</u>  |                    |              |              |              |                     |
| Endemic and Communicable Disease Control            | 6600058            |              | 300          | 500          | 3b                  |
| <u>Ethiopia</u>                                     |                    |              |              |              |                     |
| Upper Didesa Development                            | 6630179            | 2000         | 500          | 700          | 3d                  |
| Agricultural Sector Development                     | 6630181            |              |              | 3000         | 1a                  |
| Southern Gemu Gofa Area Rehabilitation              | 6630193            | 1032         | 950          | 1188         | 6                   |
| Seed Multiplication Certification/Distribution      | 6630212            |              | 800          | 100          | 1a                  |
| Micro Regional, Rural Development                   | 6630214            | 724          | 600          | 476          | 6                   |
| Wollo/Tigray Rehabilitation                         | 6630225            |              |              | 200          | 6                   |

|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <u>Liberia</u>                                |                    |              |              |              |                     |
| YMCA Agricultural Training                    | 6690141            |              | 115          | 152          | 1a                  |
| <u>Chad</u>                                   |                    |              |              |              |                     |
| Acacia Albida Expansion (CARE)                | 6770008            | 375          |              |              | 2c                  |
| <u>Benin (Dahomey)</u>                        |                    |              |              |              |                     |
| Soya Production/Nutrition                     | 6800207            |              | 300          | 300          | 1b(1a)              |
| Benin Rural Water Supply                      | 6800201            |              | 1000         | 990          | 3b                  |
| <u>Mauritania</u>                             |                    |              |              |              |                     |
| Mauritania Integrated Rural Development       | 6820201            | 800          |              |              | 1a                  |
| <u>Niger</u>                                  |                    |              |              |              |                     |
| Rural Integrated Agricultural Development     | 6830228            | 300          |              |              | 1a                  |
| <u>Togo</u>                                   |                    |              |              |              |                     |
| Rural and Water Resources Development         | 6930214            |              |              | 300          | 1a                  |
| Rural Water Supplies/Environmental Sanitation | 6930210            |              | 1000         | 1000         | 3b                  |
| <u>Burundi</u>                                |                    |              |              |              |                     |
| Alternate Energy-Peat                         | 6950103            |              |              | 2509         | 2b*                 |
| Agricultural Land Protection                  | 6950105            |              |              | 787          | 1a                  |
| <u>Rwanda</u>                                 |                    |              |              |              |                     |
| Rural Health/Family Planning                  | 6960133            |              |              | 2640         | 3b                  |
| Food Storage and Marketing                    | 6960100            | 1000         | 620          |              | 1a                  |
| Local Crop Storage                            | 6960107            |              | 230          | 375          | 1a                  |
| Fish Culture                                  | 6960112            |              |              | 600          | 1c                  |
| <u>Africa Regional - Sahel</u>                |                    |              |              |              |                     |
| Rural Health Services Development             | 6850210            | 1000         |              |              | 3b                  |
| Small Irrigated Perimeters                    | 6850208            | 1200         |              |              | 1a                  |
| Non Formal Education/Women in Sahel           | 6860226            | 715          |              |              | 3d                  |
| Operation Mills - Crop Production             | 6880202            | 700          |              |              | 1a                  |
| Rural Works                                   | 6880204            | 600          |              |              | 3d                  |
| Dike Construction - Action Riz Sorgho         | 6880206            | 1000         |              |              | 1a                  |
| <u>Africa Regional</u>                        |                    |              |              |              |                     |
| Regional Rural Development Training           | 6980405            | 750          | 1000         | 1200         | 7                   |
| Entente Food Production-SFWA                  | 6260203            | 4690         | 950          |              | 1a                  |

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|                                       | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---------------------------------------|--------------------|--------------|--------------|--------------|---------------------|
| Rice Research and Production          | 6980382            | 910          | 1000         | 750          | 1a                  |
| Maternal Child Health/Extension       | 6970358            | 200          |              |              | 3b                  |
| LCBC Telecommunications               | 6250501            | 400          |              |              | 4                   |
| LCBC Two Road Links                   | 6250534            | 550          |              |              | 4                   |
| Regional Transport Studies            | 6990005            |              |              | 1000         | 4                   |
| Subtotal                              |                    | 33,338       | 32,614       | 52,883       |                     |
| <u>ASIA</u>                           |                    |              |              |              |                     |
| <u>Nepal</u>                          |                    |              |              |              |                     |
| Seed Production and Storage           | 3670118            | 4031         |              |              | 1a                  |
| Rural Area Development - Rapati Zone  | 3670129            |              |              | 3300         | 3b                  |
| Resource Conservation and Utilization | 3670132            |              |              | 3000         | 2c                  |
| Integrated Rural Health/FP Services   | 3670135            |              |              | 6000         | 3b                  |
| <u>Sri Lanka</u>                      |                    |              |              |              |                     |
| Reforestation & Watershed Management  | 3830055            |              |              | 2000         | 2d                  |
| Mahaweli Basin Development            | 3830056            |              |              | 10000        | 1a                  |
| <u>India</u>                          |                    |              |              |              |                     |
| Rural Electrification                 | 3860462            |              | 58000        | 40000        | 2b                  |
| Gujarat Medium Irrigation             | 3860464            | 30000        |              |              | 1a                  |
| Rajasthan Medium Irrigation           | 3860467            |              |              | 15000        | 1a                  |
| Malaria Control                       | 3860455            | 28000        | 10000        | 23000        | 3b                  |
| <u>Bangladesh</u>                     |                    |              |              |              |                     |
| Fertilizer Distribution Improvement   | 3880024            | 43000        | 57000        | 50000        | 1a                  |
| Integrated Land and Water Use         | 3880040            |              |              | 5000         | 2d                  |
| Karnaphuli Third Hydroelectric Unit   | 3880018            |              | 7000         |              | 2d                  |
| <u>Pakistan</u>                       |                    |              |              |              |                     |
| Dryland Agriculture Development       | 3910403            | 114          |              |              | 1a                  |
| Rural Electrification                 | 3910408            |              | 1000         |              | 2b*                 |
| Village Level Food Processing         | 3910417            | 117          | 273          |              | 1a                  |
| Rural Clean Water I                   | 3910406            |              | 8147         |              | 3d                  |
| Agricultural Inputs                   | 3910419            |              |              | 29600        | 1a                  |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| <u>Philippines</u>                         |                    |              |              |              |                     |
| Small Scale Irrigation                     | 4920274            | 365          |              |              | 1a                  |
| Bicol Integrated Area Dev. III - Rinconada | 4920289            |              | 3500         | 1500         | 1a                  |
| Small Farmer Systems I                     | 4920301            | 5155         | 5000         | 495          | 1a                  |
| Bicol Integrated Rural Development         | 4920303            | 900          | 680          | 520          | 1a                  |
| Bicol Integrated Area Development II-Bula  | 4920310            | 750          |              |              | 1a                  |
| Rural Electrification V                    | 4920321            | 8400         |              |              | 2c                  |
| <u>Thailand</u>                            |                    |              |              |              |                     |
| Highland Agriculture Development           | 4930313            |              |              | 5000         | 1a                  |
| Population Planning                        | 4930283            | 1992         | 2700         | 2280         | 3d                  |
| Rural Primary Health                       | 4930291            | 5500         |              |              | 3b                  |
| <u>Indonesia</u>                           |                    |              |              |              |                     |
| Luwu Area Development Phase II             | 4970274            |              |              | 6000         | 6                   |
| Subtotal                                   |                    | 128,324      | 153,300      | 200,295      |                     |
| <u>NEAR EAST</u>                           |                    |              |              |              |                     |
| <u>Yemen Arab Republic</u>                 |                    |              |              |              |                     |
| Poultry Development                        | 2790019            | 315          | 240          |              | 1a                  |
| <u>Afghanistan</u>                         |                    |              |              |              |                     |
| Central Helmand Drainage II                | 3060149            | 3220         | 2743         | 4503         | 1a                  |
| Rural Women Students Residence             | 3060162            |              | 3435         |              | 7                   |
| <u>Tunisia</u>                             |                    |              |              |              |                     |
| Rural Development                          | 6640285            | 350          |              |              | 1a(5)               |
| Family Planning Services                   | 6640295            | 1549         | 1641         | 1615         | 3d                  |
| Livestock Forage Production                | 6640293            | 438          | 641          | 530          | 1a                  |
| Central Tunisia Rural Development          | 6640312            |              | 5192         | 5200         | 1a                  |
| Rural Community Health                     | 6640296            | 680          | 320          |              | 3b                  |
| Central Tunisia Rural Development          | 6640312            |              | 2200         | 1430         | 6                   |
| Siliana Rural Centers Water Systems        | 6640318            | 3500         |              |              | 3b                  |
| <u>Egypt</u>                               |                    |              |              |              |                     |
| Water Use Management                       | 2630017            | 1500         | 1500         | 1700         | 2d                  |
| Aquaculture Development                    | 2630064            | 900          | 2500         | 8000         | 1c                  |
| Small Farmer Production                    | 2630079            |              | 7000         | 2500         | 1a                  |
| Agriculture Mechanization                  | 2630031            |              | 21000        | 23000        | 1a                  |

|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <u>Egypt</u>                                  |                    |              |              |              |                     |
| Lake Quarun Chemical                          | 2630085            |              |              | 22000        | 5                   |
| New Lands Development                         | 2630108            |              |              | 50000        | 1a                  |
| <u>Syria</u>                                  |                    |              |              |              |                     |
| Development Imports II                        | 2760036            |              | 20000        |              | 6                   |
| Development Imports III                       | 2760037            |              |              | 20000        | 6                   |
| <u>Jordan</u>                                 |                    |              |              |              |                     |
| Jordan Valley Agricultural Services           | 0240               |              |              | 750          | 1a                  |
| <u>Near East Regional</u>                     |                    |              |              |              |                     |
| PVOs  | 2980036            |              | 250          | 700          | 1b                  |
| Energy  | 2980005            |              | 571          | 1800         | 2b*                 |
| Subtotal                                      |                    | 12,452       | 69,233       | 143,728      |                     |
| <u>LATIN AMERICA</u>                          |                    |              |              |              |                     |
| <u>Guyana</u>                                 |                    |              |              |              |                     |
| Seed Farm Development                         | 5040065            | 275          | 190          | 35           | 1a                  |
| Small Farm Development                        | 5040075            | 7500         |              | 315          | 1a                  |
| Rural Community Development                   | 5040074            |              |              | 290          | 3d                  |
| <u>Bolivia</u>                                |                    |              |              |              |                     |
| Agribusiness and Artisanry                    | 5110472            | 185          | 215          |              | 1a                  |
| Low Cost Penetration Roads- Oscar Area        | 5110475            | 150          | 153          | 150          | 4                   |
| Small Farm Production                         | 5110481            | 600          | 800          | 800          | 1a                  |
| Quinua Production -(Catholic Relief Services) | 5110486            |              | 150          | 125          | 1a                  |
| Micro Irrigation in Chuq. La Paz-(CARE)       | 5110492            |              | 150          | 150          | 1a                  |
| Rural Water Systems-(CARE)                    | 5110479            |              | 150          |              | 3d                  |
| Rural Health Delivery Services (APD)          | 5110453            | 230          |              |              | 3b                  |
| <u>Costa Rica</u>                             |                    |              |              |              |                     |
| Agrarian Restructuring                        | 5150148            |              |              | 6000         | 3d                  |
| Integrated Rural Development                  | 5150129            | 110          |              |              | 6                   |
| <u>Dominican Republic</u>                     |                    |              |              |              |                     |
| Health Sector II                              | 5170120            |              | 8000         |              | 3b                  |
| Non-formal Education                          | 5170108            | 90           | 90           | 150          | 7                   |
| Radio Education                               | 5170133            |              | 175          |              | 7                   |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <u>Ecuador</u>                          |                    |              |              |              |                     |
| Access Works for Small Farmers          | 5180012            |              |              | 4000         | 1a                  |
| Employment Generation                   | 518EG00            | 155          | 100          |              | 5                   |
| <u>El Salvador</u>                      |                    |              |              |              |                     |
| Integrated Rural Development            | 5190215            |              | 150          | 150          | 3d                  |
| Development of Rural Community Services | 5190195            |              | 200          | 200          | 3d                  |
| <u>Guatemala</u>                        |                    |              |              |              |                     |
| Small Farmer Development                | 5200233            | 550          | 400          | 655          | 1a                  |
| Rural Electrification                   | 5200248            | 8600         |              |              | 2b                  |
| Population and Family Planning          | 5200237            | 400          | 360          |              | 3d                  |
| Integrated Family Planning Services     | 5200263            |              |              | 600          | 3d                  |
| <u>Haiti</u>                            |                    |              |              |              |                     |
| Small Farmer Development I              | 5210073            | 817          | 214          |              | 1a                  |
| Integrated Agriculture Development      | 5210078            | 700          | 875          | 1177         | 1a                  |
| Rural Small Enterprises                 | 5210098            |              | 500          | 818          | 3d                  |
| Small Farmer Development Alternatives   | 421SF00            |              |              | 975          | 1a                  |
| Potable Water Phase II-(CAREe)          | 521CP00            | 101          |              |              | 3b                  |
| <u>Honduras</u>                         |                    |              |              |              |                     |
| Rural Education                         | 5220119            | 300          | 300          | 150          | 7                   |
| Agro-Industrial Export Development      | 5220120            | 100          | 480          |              | 1a                  |
| Rural Trails                            | 5220137            | 300          | 100          |              | 1a                  |
| Integrated Rural Development - (Aitec)  | 522A100            |              | 100          | 100          | 1a                  |
| <u>Nicaragua</u>                        |                    |              |              |              |                     |
| Nutrition Development Program           | 5240128            | 3276         | 180          | 44           | 1b                  |
| Rural Health Institutional Development  | 5240114            | 190          |              |              | 3b                  |
| <u>Panama</u>                           |                    |              |              |              |                     |
| Growth and Service Centers Development  | 5250185            | 10000        |              |              | 1a                  |
| Renewable Energy Sources                | 5250207            |              | 500          |              | 2a*                 |
| <u>Paraguay</u>                         |                    |              |              |              |                     |
| Indian Settlement                       | 5260120            | 194          | 142          | 124          | 6                   |
| <u>Peru</u>                             |                    |              |              |              |                     |
| Development of Sub-tropical Lands       | 5270163            | 19000        |              |              | 1a                  |
| Rural Enterprises II                    | 5270176            |              | 5000         |              | 3d                  |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| Agricultural Research and Extension               | 5270192            |              |              | 9250         | 1a                  |
| Fupaderuc Water Management                        | 5270188            |              | 200          |              | 1a                  |
| Rural Water Health Services                       | 5270177            | 230          |              |              | 3b                  |
| <u>Jamaica</u>                                    |                    |              |              |              |                     |
| Integrated Rural Development                      | 5320046            |              | 600          | 700          | 1a                  |
| Agricultural Marketing                            | 5320060            |              | 10000        |              | 1a                  |
| <u>Other West Indies-Eastern Caribbean Region</u> |                    |              |              |              |                     |
| Small Farmer Commodity Systems                    | 5380012            |              |              | 800          | 1a                  |
| Caribbean Farming Research System                 | 5380015            | 625          | 500          | 500          | 1a                  |
| Improved Agriculture Extension                    | 5380017            |              | 600          | 500          | 1a                  |
| Caribbean Regional Nutrition                      | 5380022            | 350          | 480          | 272          | 1b                  |
| <u>Latin America Regional</u>                     |                    |              |              |              |                     |
| Appropriate Technology for Rural Women            | 5980600            |              | 182          | 112          | 3d                  |
| Vertebrate Pest Control                           | 5980584            |              | 733          | 217          | 1a                  |
| Subtotal  |                    | 55,306       | 32,969       | 29,459       |                     |
| <u>INTERREGIONAL</u>                              |                    |              |              |              |                     |
| Matching Grant (CDF)                              | 9030004            |              | 750          | 1000         | 3d                  |
| Institutional Development (IVS)                   | 9030027            | 600          | 600          | 650          | 6                   |
| Institutional Development (Ideas)                 | 9030090            | 219          | 236          |              | 1a                  |
| Institutional Development (ACPO)                  | 9030091            | 293          | 505          |              | 7                   |
| Low Cost Roofing Utilization                      | 0341161            |              | 125          | 605          | 5                   |
| Communication Technology Studies                  | 0411109            | 771          | 300          | 620          | 4                   |
| Pathfinder  | 0430807            | 5000         | 6300         | 7000         | 3b                  |
| International Planned Parenthood Federation       | 0430838            | 14404        | 13125        | 13200        | 3b                  |
| Open Research Family Planning Programs            | 0430855            | 1800         | 1400         | 1700         | 3b                  |
| Family Planning Int'l. Assistance                 | 0430955            | 9600         | 15400        | 16000        | 3b                  |
| Sterility Method for Tsetse Fly                   | 0210030            | 300          |              |              | 1a                  |
| Agribusiness                                      | 0210060            | 775          | 130          | 160          | 1a                  |
| Water Management Synthesis                        | 0211007            | 1000         |              | 710          | 2d                  |
| Rice Processing                                   | 0211324            |              | 700          |              | 1d                  |

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|                                    | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|------------------------------------|--------------------|--------------|--------------|--------------|---------------------|
| Small Scale Agricultural Equipment | 0210066            | 234          |              |              | 1a                  |
| Community Basic Education          | 0415807            |              |              | 800          | 7                   |
| Subtotal                           |                    | 34,996       | 39,571       | 42,445       |                     |
| TOTAL                              |                    | 264,416      | 327,687      | 468,810      |                     |

1.(d) New science and technology for overcoming obstacles to development.

AFRICA

Malawi

Agricultural Research

6120202

2700

1a

Kenya

Food Crops Research-East Africa Region

6150180

431

1400

1400

1a

Tanzania

Agricultural Research

6210107

1415

1185

1300

1a

Sierra Leone

Adaptive Crop Research and Extension

6360102

820

1270

1220

1a

Zaire

National Agricultural Research

6600064

800

850

1a

Institute (INERA) Support

6600077

850

850

1a

Manioc Outreach (Cassava)

Ethiopia

Pulses Diversification and Improvement

6630166

200

400

278

1a(1c)

Liberia

Agricultural Research

6690135

500

520

1a

Africa Regional

Regional Remote Sensing, Nairobi

6980414

750

540

2d

Endemic & Communicable Disease Control

69800XX

5000

3b

Subtotal

2,866

9,855

11,958

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <u>ASIA</u>                                     |                    |              |              |              |                     |
| <u>Nepal</u>                                    |                    |              |              |              |                     |
| Integrated Cereals                              | 3670114            |              | 1770         |              | 1a                  |
| <u>Sri Lanka</u>                                |                    |              |              |              |                     |
| Water Management                                | 3830057            |              | 4200         |              | 2d                  |
| Malaria Control                                 | 3830043            | 7000         |              | 4000         | 3b                  |
| <u>India</u>                                    |                    |              |              |              |                     |
| Agricultural Research and Education             | 3860470            |              |              | 7700         | 1a                  |
| Application of Sci. & Tech. to Rural Dev.       | 3860465            | 2000         |              | 3000         | 6                   |
| <u>Bangladesh</u>                               |                    |              |              |              |                     |
| Agricultural Research                           | 3880003            | 920          | 300          | 200          | 1a                  |
| <u>Pakistan</u>                                 |                    |              |              |              |                     |
| Water Management Research                       | 3910447            |              | 1000         | 1000         | 2c                  |
| Population Research & Development               | 3910411            |              | 500          | 300          | 3b                  |
| <u>Philippines</u>                              |                    |              |              |              |                     |
| Non-Conventional Energy Development             | 4920294            | 8650         |              |              | 2b*                 |
| Economic and Social Impact/Women in Development | 4920295            | 1000         | 1000         | 500          | 6                   |
| <u>Asia Regional</u>                            |                    |              |              |              |                     |
| Cholera Research                                | 4980020            | 1900         |              |              | 3b                  |
| Subtotal  |                    | 21,470       | 9,370        | 16,700       |                     |
| <u>NEAR EAST</u>                                |                    |              |              |              |                     |
| <u>Yemen Arab Republic</u>                      |                    |              |              |              |                     |
| Tropical and Subtropical Horticulture           | 2790024            | 200          | 450          | 810          | 1a                  |
| Agricultural Research and Development           | 2790030            | 600          | 500          | 680          | 1a                  |
| Land Classification                             | 2790042            | 486          |              |              | 1a                  |
| Water Survey of North Yemen                     | 2790025            | 500          |              |              | 2c                  |
| <u>Morocco</u>                                  |                    |              |              |              |                     |
| Agricultural Research and Training              | 6080122            | 150          |              |              | 1a                  |
| Dryland Agriculture Applied Research            | 6080136            | 2096         |              | 958          | 1a                  |
| Rural Potable Water                             | 6080150            |              |              | 751          | 3b                  |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| <u>Egypt</u>                                     |                    |              |              |              |                     |
| Rice Research and Training                       | 2630027            | 1500         | 1800         | 1700         | 1a                  |
| Major Cereals                                    | 2630070            | 1500         | 1500         | 2500         | 1a                  |
| <u>Jordan</u>                                    |                    |              |              |              |                     |
| Minerals Development                             | 278202             | 250          | 1250         |              | 2a                  |
| Alternate Energy Research Solar                  | 278237             |              |              | 700          | 2b*                 |
| <u>Afghanistan</u>                               |                    |              |              |              |                     |
| Development Related Research                     | 3060155            |              | 423          |              | 6                   |
| Subtotal   |                    | 7,282        | 5,923        | 8,099        |                     |
| <u>LATIN AMERICA</u>                             |                    |              |              |              |                     |
| <u>Chile</u>                                     |                    |              |              |              |                     |
| Mapuche Livestock                                | 513ML00            | 150          | 150          | 150          | 1a                  |
| <u>Ecuador</u>                                   |                    |              |              |              |                     |
| Agriculture Baseline Study                       | 5180000            | 162          |              |              | 1a                  |
| <u>Honduras</u>                                  |                    |              |              |              |                     |
| Integrated Development Pilot Project             | 522CE00            |              | 150          | 150          | 6                   |
| <u>Panama</u>                                    |                    |              |              |              |                     |
| Applied Agricultural Research                    | 5250180            |              |              | 5500         | 1a                  |
| Agricultural Research                            | 5250211            |              | 400          | 500          | 1a                  |
| Regional Office Central America & Panama         | 5960040            | 387          | 175          |              | 6                   |
| Secretariat for Econ. Integration of Central Am. |                    |              |              |              |                     |
| <u>Latin America Regional</u>                    |                    |              |              |              |                     |
| Communications and Technology Applications       | 5980581            |              | 500          | 300          | 4                   |
| Education Research Networks                      | 5980589            |              | 200          | 400          | 7                   |
| Energy Resources Development                     | 5980601            |              |              | 624          | 2a*                 |
| Development of Environmental Management System   | 5980602            |              | 300          | 685          | 6                   |
| Subtotal   |                    | 699          | 1,875        | 8,309        |                     |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <b><u>INTERREGIONAL</u></b>                               |                    |              |              |              |                     |
| Clinical Assay of High Protein Food Sources               | 0230077            | 151          | 300          | 200          | 1b                  |
| *Tropical Disease Research                                | 0421126            | 800          | 1000         | 4000         | 3b                  |
| International Fertility Research Program                  | 0430537            | 4800         | 4500         | 4800         | 3b                  |
| *Soils (Collaborative Research Support Project)           | 0214020            | 250          | 250          | 2000         | 1a                  |
| *Spring and Winter Wheat                                  | 0210621            |              |              | 400          | 1c                  |
| *Sorghum/Millet (Collaborative Research Support Project)  | 0211254            |              | 5000         | 2500         | 1a                  |
| EPA-Resources Support Service Agreement                   | 0211326            |              | 260          | 130          | 1a                  |
| *Small Ruminants (Collaborative Research Support Project) | 0211328            | 4186         | 4000         | 1500         | 1a                  |
| Animal Health (Collaborative Research Support Project)    | 0214009            |              | 250          |              | 1a                  |
| Tropical Soils Utilization                                | 0214029            |              | 460          |              | 2d                  |
| Remote Sensing Resource Assessment                        | 0321166            | 1740         | 500          |              | 2d                  |
| *Desertification  | 0325501            |              |              | 1000         | 6                   |
| Alternative Malaria Approaches                            | 0421058            | 235          |              |              | 3b                  |
| Fertility Determination of Consequences                   | 0430616            | 1490         |              | 1000 p       | 3d                  |
| Development of New Interuterine Devices                   | 0430618            | 79           |              |              | 3d                  |
| Prolongation Lactational Infertility                      | 0430629            |              | 225          |              | 3d                  |
| Human Settlements in New Land                             | 0245305            |              | 150          |              | 3c                  |
| Subtotal  |                    | 13,652       | 16,895       | 16,530       |                     |
| TOTAL   |                    | 45,969       | 43,918       | 61,596       |                     |

\*Selected for FITC

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| 2. INSTITUTIONAL ARRANGEMENTS AND NEW FORMS OF INTERNATIONAL COOPERATION IN THE APPLICATION OF SCIENCE AND TECHNOLOGY |                    |              |              |              |                     |
| (a) The building up of institutional systems in developing countries for science and technology:                      |                    |              |              |              |                     |
| <u>AFRICA</u>   |                    |              |              |              |                     |
| <u>Malawi</u>   |                    |              |              |              |                     |
| Malawi Polytechnic  | 6120201            |              | 1524         |              | 7                   |
| Bunda Agricultural College  | 6120054            |              | 805          |              | 7                   |
| <u>Kenya</u>  |                    |              |              |              |                     |
| Population Studies and Research Center  | 6150165            | 570          | 470          | 216          | 3d                  |
| Rural Planning  | 6150162            | 700          | 742          | 388          | 1a                  |
| <u>Tanzania</u>   |                    |              |              |              |                     |
| Agriculture Marketing and Development   | 6210099            | 130          |              |              | 1d                  |
| <u>Cameroon</u>   |                    |              |              |              |                     |
| North Cameroon Seed Multiplication  | 6310001            | 400          | 300          | 141          | 1a                  |
| Agriculture Management and Planning   | 6310008            |              | 700          | 500          | 7                   |
| Cooperative Development   | 6310014            |              |              | 550          | 6                   |
| Practical Training in Health Education  | 6310009            | 500          | 800          | 140          | 7                   |
| Social Science Research and Training  | 6310007            | 290          | 380          | 260          | 7                   |
| <u>Ghana</u>  |                    |              |              |              |                     |
| Danfa Rural Health Family Planning  | 6410055            | 595          |              |              | 3b                  |
| Delivery Rural Health Services  | 6410082            |              |              | 750          | 3b                  |
| Manpower Development in Community Medicine  | 6410088            |              | 250          | 480          | 7                   |
| Farmers Association/Agribusiness Development  | 6410072            | 1500         | 1400         | 500          | 1a                  |
| <u>Somali Republic</u>  |                    |              |              |              |                     |
| Human Resources Development   | 6490112            |              |              | 900          | 6                   |
| <u>Sudan</u>  |                    |              |              |              |                     |

|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| Agriculture Sector Support             | 6500013            |              | 5000         | 3000         | 6                   |
| Health Sector                          | 6500030            |              | 3000         |              | 3b                  |
| <u>Guinea-Bissau</u>                   |                    |              |              |              |                     |
| Primary Teacher Training               | 6570003            | 610          | 850          | 410          | 7                   |
| <u>Zaire</u>                           |                    |              |              |              |                     |
| Nutrition Planning                     | 6600055            |              | 823          |              | 1b                  |
| <u>Ethiopia</u>                        |                    |              |              |              |                     |
| Non-formal Education                   | 6630189            |              | 300          | 350          | 7                   |
| Integrated Family Life Education II    | 6630213            | 275          | 213          | 238          | 7                   |
| <u>Liberia</u>                         |                    |              |              |              |                     |
| Rural Development Training             | 6690153            | 720          | 455          | 420          | 1a                  |
| Lofa County Rural Health               | 6690125            | 615          |              |              | 3b                  |
| Improved Efficiency of Learning        | 6690130            | 825          | 1411         | 948          | 7                   |
| Vocational Training                    | 6690131            | 800          | 1900         | 1500         | 7                   |
| Rural Learning Delivery System         | 6690134            |              | 210          | 400          | 7                   |
| <u>Central African Empire</u>          |                    |              |              |              |                     |
| Ouham Province Rural Health            | 6760002            | 435          |              | 658          | 3b                  |
| <u>Benin (Dahomey)</u>                 |                    |              |              |              |                     |
| Maternal/Child Health Training Centers | 6800203            |              |              | 600          | 3b                  |
| <u>Senegal</u>                         |                    |              |              |              |                     |
| Family Planning                        | 6850217            | 164          |              |              | 3b                  |
| Cereals Production I                   | 6850201            | 300          |              |              | 1a                  |
| <u>Upper Volta</u>                     |                    |              |              |              |                     |
| Rural Enterprises Development          | 6860219            | 353          |              |              | 6                   |
| <u>Rwanda</u>                          |                    |              |              |              |                     |
| Farm Hand Tools                        | 6960103            | 240          |              |              | 7                   |
| Agricultural Education                 | 6960109            |              | 3286         | 602          | 7                   |
| <u>Africa Regional - Sahel</u>         |                    |              |              |              |                     |
| Regional Remote Sensing                | 6250913            | 770          |              |              | 7                   |
| Rural Health Planning and Management   | 6770004            | 411          |              |              | 3b                  |
| Chad Range & Livestock Development     | 6770201            | 500          |              |              | 2d                  |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| <b>Africa Regional</b>                 |                    |              |              |              |                     |
| African Graduate Fellowship Program    | 6980062            | 2250         | 565          |              | 7                   |
| African Higher Education               |                    |              |              |              |                     |
| Inter-Africa Scholarship Program       | 6980210            | 750          | 550          |              | 7                   |
| Africa Science Education               | 6980390            | 144          |              |              | 7                   |
| Family Planning Health Initiatives     | 6980662            |              | 4674         | 2050         | 3b                  |
| Control Veterinary Laboratory          | 6250610            | 400          |              |              | 1a                  |
| Subtotal                               |                    | 15,247       | 30,608       | 16,001       |                     |
| <b>ASIA</b>                            |                    |              |              |              |                     |
| <b>Nepal</b>                           |                    |              |              |              |                     |
| Agriculture Resource Inventory - Nepal | 3670134            |              | 1000         |              | 2c                  |
| Population Policy Development          | 3670130            |              | 1911         |              | 3d                  |
| Integrated Health Services             | 3670126            | 685          | 2125         |              | 3b                  |
| Radio Education Teacher Training       | 3670123            | 604          | 1966         |              | 4                   |
| Education Skills Training              | 3670124            | 557          | 69           |              | 7                   |
| Development Services and Training      | 3670131            |              |              | 600          | 7                   |
| <b>Sri Lanka</b>                       |                    |              |              |              |                     |
| Development Services & Training        | 3830044            | 1000         | 1600         |              | 1a                  |
| Agricultural Education Development     | 3830049            | 3000         | 3000         |              | 7                   |
| <b>India</b>                           |                    |              |              |              |                     |
| Integrated Rural Health Support        | 3860468            |              |              | 6000         | 3b                  |
| <b>Bangladesh</b>                      |                    |              |              |              |                     |
| Rural Electrification                  | 3880021            | 21000        | 13000        |              | 2b                  |
| <b>Pakistan</b>                        |                    |              |              |              |                     |
| Population Planning                    | 3910434            |              |              | 3500         | 3b                  |
| <b>Philippines</b>                     |                    |              |              |              |                     |
| Aquaculture Production                 | 4920266            | 221          |              |              | 1c                  |
| Agriculture Research II                | 4920286            |              | 5000         |              | 1a(1d)              |
| National Nutrition Outreach            | 4920320            |              | 530          | 1000         | 1b                  |
| Barangay Water I                       | 4920291            | 3184         |              |              | 3b                  |
| Bayanihan Barangay Schools             | 4920293            |              | 600          |              | 7                   |

|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| <u>Thailand</u>                            |                    |              |              |              |                     |
| Non-Formal Vocational Education            | 4930295            |              | 500          |              | 7                   |
| <u>Indonesia</u>                           |                    |              |              |              |                     |
| Graduate Agricultural School Title XII     | 4970290            |              | 6000         |              | 7                   |
| Eastern Islands Title XII Agricultural Ed. | 4970293            |              | 6000         |              | 7                   |
| Title XII - Sumatran Agriculture Program   | 4970297            |              |              | 5000         | 7                   |
| Outer Island Agriculture Research          | 4970302            |              |              | 6000         | 1a                  |
| Soil Conservation Program                  | 4970311            |              |              | 9000         | 2c(1a)              |
| Primary Health Nurse Training              | 4970289            |              |              | 9000         | 7                   |
| Educational Communications Development     | 4970296            |              | 1000         | 1300         | 4                   |
| Energy Manpower and Training               | 4970300            |              |              | 1000         | 2b*                 |
| Technical Assistance Consulting Services   | 4970249            | 1000         |              |              | 1a                  |
| <u>Asia Regional</u>                       |                    |              |              |              |                     |
| Agricultural Development Council           | 4980257            | 150          | 300          | 500          | 7                   |
| Regional Remote Sensing                    | 4980253            |              | 3500         |              | 7                   |
| Rural Electric Training Center             | 4980260            | 250          |              |              | 7                   |
| Subtotal                                   |                    | 31,651       | 48,101       | 42,900       |                     |
| <u>NEAR EAST</u>                           |                    |              |              |              |                     |
| <u>Yemen Arab Republic</u>                 |                    |              |              |              |                     |
| Local Resources for Development            | 2790045            |              | 1710         | 2260         | 3d                  |
| Applied Health and Nutrition               | 2790035            | 188          |              | 250          | 6                   |
| Basic Educational Development              | 2790053            |              | 2865         | 1685         | 7                   |
| Education Outreach                         | 2790058            |              |              | 475          | 7                   |
| Water Resources Planning and Management    | 2790043            |              | 1060         | 630          | 2d                  |
| <u>Near East Regional</u>                  |                    |              |              |              |                     |
| American University of Beirut              | 2980015            | 2925         | 2300         | 3500         | 7                   |
| <u>Afghanistan</u>                         |                    |              |              |              |                     |
| Rural Primary Schools II                   | 3060150            | 46           | 1278         | 1316         | 7                   |
| Development Support Training               | 3060157            | 300          | 500          | 1193         | 7                   |
| Technical Manpower Development             | 3060161            |              | 1776         | 1776         | 7                   |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <u>Morocco</u>                                  |                    |              |              |              |                     |
| Higher Agriculture Education                    | 6080134            | 500          | 775          | 800          | 7                   |
| Range Management Improvement                    | 6080145            |              | 300          | 376          | 2d                  |
| Rural Health Outreach                           | 6080151            |              |              | 1000         | 3b                  |
| Non-formal Education for Women                  | 6080139            | 2291         |              | 1020         | 7                   |
| Vocational Technical Skills                     | 6080146            |              | 500          | 900          | 7                   |
| Industrial & Commercial Job Training for Women  | 6080147            | 2400         |              | 426          | 7                   |
| Dev. Training & Mgmt. Improvement               | 6080149            | 2175         |              | 549          | 7                   |
| <u>Tunisia</u>                                  |                    |              |              |              |                     |
| Agricultural Economic Research and Planning     | 6640237            | 145          |              |              | 1a                  |
| <u>Egypt</u>                                    |                    |              |              |              |                     |
| Development Information Systems                 | 0063               | 1000         | 500          | 300          | 4                   |
| <u>Syria</u>                                    |                    |              |              |              |                     |
| Agricultural Education and Research             | 2760003            |              | 3000         | 1900         | 7                   |
| Agricultural Planning                           | 2760030            |              |              | 1200         | 1a                  |
| <u>Jordan</u>                                   |                    |              |              |              |                     |
| Health Planning and Services Development        | 0208               | 500          | 125          |              | 7                   |
| Health Information Systems                      | 0226               |              |              | 500          | 3b                  |
| Subtotal  |                    | 12,470       | 16,689       | 22,056       |                     |
| <u>LATIN AMERICA</u>                            |                    |              |              |              |                     |
| <u>Guyana</u>                                   |                    |              |              |              |                     |
| Leprosy Control Program                         | 5040067            | 126          | 68           | 56           | 3b                  |
| Data Management Development                     | 5040076            |              |              | 265          | 6                   |
| <u>Bolivia</u>                                  |                    |              |              |              |                     |
| Farm Policy Study                               | 5110485            | 272          | 500          | 343          | 7                   |
| Rural Sanitation                                | 5110458            | 100          | 45           | 100          | 3d                  |
| Rural Health Delivery Systems                   | 5110483            |              | 10900        | 900          | 3b                  |
| Rural Development Planning                      | 5110471            | 975          | 265          | 510          | 7                   |
| Rural Education I                               | 5110477            |              | 680          | 455          | 7                   |
| Rural Education II                              | 5110482            | 200          | 575          |              | 7                   |
| Bilingual Education                             | 5110520            |              |              | 600          | 7                   |
| Appropriate Technology Research & Application I | 5110517            |              | 675          | 700          | 6                   |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <u>Costa Rica</u>                         |                    |              |              |              |                     |
| Participation of Poor Women (OEF/FOV)     | 5150140            | 133          | 128          |              | 7                   |
| Women in Development Increased Employment | 5150150            |              |              | 100          | 7                   |
| Urban Poor Job Training                   | 5150151            |              |              | 140          | 7                   |
| Science & Technology                      | 5150138            |              | 3000         |              | 7                   |
| Natural Resources                         | 5150145            |              | 5460         |              | 1a                  |
| SCONA Environmental Education             | 5150142            | 240          |              |              | 7                   |
| <u>Dominican Republic</u>                 |                    |              |              |              |                     |
| Natural Resources Management              | 5170126            |              |              | 3000         | 2d                  |
| Education Sector Loan                     | 5170119            |              | 7500         |              | 7                   |
| <u>Ecuador</u>                            |                    |              |              |              |                     |
| Working Boys Center                       | 5180001            | 186          |              |              | 7                   |
| Training for Development                  | 5180017            |              |              | 400          | 7                   |
| <u>El Salvador</u>                        |                    |              |              |              |                     |
| Nutrition Improvement                     | 5190182            | 114          | 200          | 161          | 3b                  |
| Small Farm Irrigation Systems             | 5190184            | 2300         |              |              | 1a                  |
| Family Planning and Population            | 5190149            | 811          | 756          |              | 3b                  |
| Multi-purpose Household Survey            | 5190176            | 167          | 127          |              | 6                   |
| <u>Haiti</u>                              |                    |              |              |              |                     |
| Rural Community Development (Hacho)       | 5210061            | 400          | 204          |              | 3d                  |
| Nutrition Improvement                     | 5210075            | 290          | 299          |              | 1b                  |
| Maternal Child Health/Family Planning II  | 5210087            | 975          | 1462         | 1618         | 3d                  |
| Rural Health Delivery System              | 5210091            |              | 5152         | 2373         | 3b                  |
| Para-profess. Engineering Education       | 5210104            |              | 990          | 750          | 7                   |
| Disaster Preparedness                     | 5210082            |              | 150          | 165          | 3d                  |
| Intersectoral Nutrition Development       | 5210099            |              | 600          | 850          | 3b                  |
| <u>Nicaragua</u>                          |                    |              |              |              |                     |
| Soil Water Management                     | 5240164            |              |              | 200          | 1a                  |
| <u>Panama</u>                             |                    |              |              |              |                     |
| Training for Development                  | 5250164            | 293          | 300          |              | 7                   |
| Training of Rural Youth                   | 5250198            | 50           | 100          | 75           | 7                   |
| Environmental Management                  | 5250217            |              |              | 200          | 7                   |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <u>Paraguay</u>   |                    |              |              |              |                     |
| Population  | 5260085            | 194          |              |              | 3d                  |
| Bilingual Education                                       | 5260503            | 171          | 307          | 313          | 7                   |
| <u>Peru</u>   |                    |              |              |              |                     |
| Appropriate Rural Technology                              | 5270162            | 300          | 445          | 300          | 1a                  |
| Small Farmer Organization Development                     | 5270191            |              |              | 400          | 1a                  |
| Training Info. & Applied Res. in Fertility Reg.           | 5270203            |              |              | 243          | 3b                  |
| Health Sector Planning, Mgt. & Info. Dev.                 | 5270183            |              | 465          |              | 3b                  |
| Education Service Centers                                 | 5270148            | 400          | 790          |              | 7                   |
| Rural Job Skills Training                                 | 5270165            |              | 285          | 200          | 7                   |
| Selected Development Training                             | 5270173            |              | 162          |              | 7                   |
| Bilingual Education                                       | 5270199            |              |              | 400          | 7                   |
| Teacher Training Rural                                    | 5270200            |              |              | 500          | 7                   |
| Pre-school Education                                      | 5270201            |              |              | 250          | 7                   |
| Integrated Regional Development                           | 5270178            |              | 6000         |              | 6                   |
| <u>Jamaica</u>  |                    |              |              |              |                     |
| Family Planning Services                                  | 5320041            | 560          | 879          | 877          | 3d                  |
| <u>Other West Indies-Eastern Caribbean Region</u>         |                    |              |              |              |                     |
| Caribbean Institutional Development                       | 5380016            | 300          | 500          | 500          | 7                   |
| Caribbean Development Facility                            | 538CD00            | 2000         |              |              | 6                   |
| Improved Learning Environment                             | 538IL00            |              | 1000         | 1000         | 7                   |
| Quality of Instruction                                    | 538QI00            |              | 1000         | 1000         | 7                   |
| <u>Regional Office Central America &amp; Panama-ROCAP</u> |                    |              |              |              |                     |
| Small Farm Production Systems                             | 5960083            |              | 475          | 1000         | 1a                  |
| Transfer of Technology                                    | 5960066            | 183          | 250          |              | 7                   |
| <u>Latin America Regional</u>                             |                    |              |              |              |                     |
| Experimental Radio Education                              | 5980556            | 200          |              | 250          | 4                   |
| Radio Schools of Latin America                            | 5980558            | 200          |              |              | 4                   |
| Education Media for the Integ. of Women                   | 5980574            | 200          | 250          | 210          | 4                   |
| Training for Development                                  | 5980588            |              | 1015         | 1145         | 7                   |
| Remote Sensing  | 5980580            |              | 270          | 100          | 2c                  |
| Subtotal  |                    | 12,340       | 54,229       | 22,649       |                     |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| <b><u>INTERREGIONAL</u></b>                         |                    |              |              |              |                     |
| Changing Maternal and Weaning Dietary Seed Industry | 0231010            |              | 500          | 1000         | 1b                  |
| Nitrogen - Fixing Limiting Factors                  | 0210203            | 227          | 250          | 275          | 1a                  |
| Appropriate Technology International                | 0210610            | 174          | 500          |              |                     |
| Structuring Non-Formal Education Resources          | 0321071            | 5000         | 2200         | 5000         | 6                   |
| Environmental Grant                                 | 1411054            |              | 1080         | 450          | 7                   |
| Teaching Community Medicine                         | 0321330            | 100          |              |              | 7                   |
| In-Service Teacher Training                         | 0420239            | 221          |              |              | 7                   |
| Health Manpower Training Capacity                   | 1411233            |              | 500          |              | 7                   |
| Foundation for Cooperative Housing                  | 0421174            |              | 1117         |              | 7                   |
| Extension of Rural Primary School                   | 0330006            |              |              |              | 7                   |
| Communications Technology Applications              | 0411017            | 700          |              | 250          | 3c                  |
| Non-Formal Education - Assessment & Analysis        | 0411140            |              | 500          |              | 7                   |
| Educational Technology                              | 1415804            |              |              | 240          | 4                   |
| Development Date and Related Research               | 0411233            |              | 500          |              | 7                   |
| Role of the Family (in Developmental Education)     | 9090064            | 100          | 200          | 100          | 6                   |
| Non-Formal Education - Out of School Youth          | 0411237            |              | 200          |              | 7                   |
| Literary Oriented Functional Education              | 0411241            |              |              | 500          | 7                   |
| Non-formal Education Networks                       | 0411242            |              | 200          |              | 7                   |
| Asia Foundation                                     | 0411250            | 30           | 240          |              | 7                   |
| LDC Institutional Involvement                       | 9030048            | 3000         |              |              | 6                   |
|   | 0411031            |              | 200          | 150          | 7                   |
| Subtotal  |                    | 9,552        | 8,187        | 7,965        |                     |
| TOTAL   |                    | 81,260       | 157,814      | 111,571      |                     |

|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|---|--------------------|--------------|--------------|--------------|---------------------|
| 2.(b) Research and development in the industrialized countries in regard to problems of importance to developing countries: |                    |              |              |              |                     |
| <u>AFRICA</u>   |                    |              |              |              |                     |
| <u>Zaire</u>  |                    |              |              |              |                     |
| Area Nutrition Improvement  | 6600079            |              |              | 800          | 1b                  |
| Basic Family Health Services  | 6600067            |              |              | 850          | 3b(1c)              |
| <u>Africa Regional</u>  |                    |              |              |              |                     |
| Health Institutions Improvement   | 6980412            | 700          | 1000         | 1000         | 3b                  |
| Subtotal  |                    | 700          | 1,000        | 2,650        |                     |
| <u>NEAR EAST</u>  |                    |              |              |              |                     |
| <u>Yemen Arab Republic</u>  |                    |              |              |              |                     |
| Agricultural Development Support  | 2790052            |              | 3140         | 5300         | 1a                  |
| Subtotal  |                    |              | 3,140        | 5,300        |                     |
| <u>LATIN AMERICA</u>  |                    |              |              |              |                     |
| <u>Costa Rica</u>   |                    |              |              |              |                     |
| Remote Sensing  | 5150144            | 250          |              |              | 1a                  |
| Development Information   | 5150139            |              | 2250         |              | 6                   |
| Subtotal  |                    | 250          | 2,250        |              |                     |
| <u>INTERREGIONAL</u>  |                    |              |              |              |                     |
| Disaster-Related Applied Research   | 9020003            | 600          | 985          | 1315         | 3d                  |
| INTELSTAT   | 9021181            |              | 1200         | 5000         | 4                   |
| Land Holding & Rural Equity (U of Wisc)   | 024LH00            |              |              | 445          | 6                   |
| Method for Rural Development Analyses   | 0241136            | 136          |              |              | 6                   |
| Participation and Rural Development   | 0241137            |              |              | 440          | 6                   |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| Applied Energy Technology                        | 9365715            |              | 1500         | 1850         | 2b                  |
| Energy Training & Institutional Development      | 9361160            |              | 1050         | 1750         | 2b                  |
| Alternative Rural Development Strategies         | 0241190            |              | 240          | 93           | 6                   |
| *Energy Biomass Production                       | 9365709            |              | 1000         | 1450         | 2b                  |
| Energy Development & Support Groups              | 0352514            |              | 1000         | 1500         | 2b                  |
| Inst. Factors in National Energy Planning        | 0352534            |              | 200          | 200          | 2d                  |
| Energy Expansion - Hydropower                    | 9365715            |              | 2000         | 2000         | 2b                  |
| *Conventional Energy Assessment & Assistance     | 9365708            |              | 1300         | 1500         | 2b                  |
| Electric Arc Generation of Nitrogen Fertilizer   | 035E526            | 791          | 500          | 300          | 2b                  |
| Soybean Utilization                              | 0230225            | 346          | 375          |              | 1b                  |
| Ultra Low Cost Shelter                           | 0340221            | 95           | 75           |              | 3c                  |
| *Malaria Immunity and Vaccination                | 0420453            | 1352         | 1566         | 2276         | 3a                  |
| Side Effects                                     | 0430541            | 225          | 260          | 260          | 3b                  |
| Applied Research on Fertility Regulations        | 0430546            | 900          | 1100         | 1500         | 3b                  |
| Simplification of Technical Fertility Control    | 0430548            | 350          | 400          | 510          | 3b                  |
| *Biomedical Research                             | 0430631            |              | 750          | 900          | 3b                  |
| *Population Policy Analysis                      | 0430635            | 1400         | 2200         | 3200         | 3b                  |
| *Fertility Determination Policy Studies          | 0430643            |              | 1600         | 2500         | 3b                  |
| Compile/Analyze Population Data                  | 0430649            | 1600         | 1700         | 1050         | 3b                  |
| Trop. Soils/Biological Nitrogen Fixation-Cornell | 0210127            |              | 250          |              | 2d                  |
| Tropical Soils - Puerto Rico                     | 0210128            |              | 240          |              | 2d                  |
| Trop. Soils/Biological Nitrogen Fixation-Hawaii  | 0210129            |              | 250          |              | 2d                  |
| Trop. Soils/Biological Nitrogen Fixation         | 0210130            |              | 240          |              | 2d                  |
| Sorghum Protein Content                          | 0210452            | 305          |              |              | 1a                  |
| *Improved Varieties of Soybeans                  | 0210560            |              |              | 700          | 1a                  |
| Beans and Cowpeas                                | 0210562            | 175          | 350          |              | 1a                  |
| *Benchmark Soils - Puerto Rico                   | 0210601            | 212          |              | 400          | 2d                  |
| *Nitrogen Fixing Symbiotic - Hawaii              | 0210613            | 1256         |              | 800          | 1a                  |
| Pest Management - Rootnot Nematodes              | 0210614            | 265          |              |              | 1a                  |
| Farming Systems Research & Development Methods   | 0211006            | 1200         |              |              | 1a                  |
| Pearl Millet                                     | 0211040            | 265          |              |              | 1a                  |
| Maize Aflatoxin                                  | 0211181            | 149          |              |              | 1a                  |

|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| *Bean Collaborative Research Support Project                             | 0211259            |              |              | 3300         | 1a                  |
| Peanuts Collaborative Research Support Project                           | 0214013            |              | 250          |              | 1a                  |
| Strategies and Resources   | 9300100            | 320          | 400          | 930          | 6                   |
| Improvement of National Status on Women                                  | 9300400            |              | 150          | 350          | 6                   |
| Fertility Impact of Development  | 9300068            | 845          | 1500         | 1000         | 3d                  |
| Alternative Policy to Promote Village Health                             | 909VH00            |              |              | 400          | 3b                  |
| Education Production Function  | 909EP00            | 15           | 20           | 300          | 7                   |
| Policy Significance of Education Economics Lit.                          | 909P500            | 285          |              | 40           | 7                   |
| Political-Economic-Social Dimensions of<br>National Resource Degradation | 909PE00            |              |              | 200          | 2c                  |
| Selected Studies on AID Energy/Science/Policy                            | 909SS00            | 100          | 100          | 250          | 2b                  |
| Womens Opportunities/Childbearing, etc.                                  | 909W000            |              |              | 300          | 6                   |
| Small Research - Economic Development                                    | 9300049            | 1332         | 3302         | 640          | 6                   |
| Remote Sensing - Agriculture   | 0321224            |              | 1400         |              | 1a                  |
| Anti Schistosomiasis Drug Test   | 0420642            | 644          |              |              | 3b                  |
| Low Cost Communications  | 0410153            | 180          |              |              | 4                   |
| Managing Planned Agriculture   | 0240209            | 810          |              |              | 7                   |
| Subtotal   |                    | 16,403       | 29,453       | 40,559       |                     |
| TOTAL  |                    | 17,353       | 35,843       | 48,509       |                     |

2.(c) Mechanisms for the exchange of scientific and technological information and experiences significant to development:

AFRICA

Africa Regional

|  |         |     |     |     |    |
|--|---------|-----|-----|-----|----|
| Human Resources Development and Services | 6980406 |     | 500 | 300 | 7  |
| Regional Organizations Development       | 6980154 | 170 |     |     | 1a |
| Subtotal                                 |         | 170 | 500 | 300 |    |

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**LATIN AMERICA**

Peru

**Regional Office Central America & Panama****Agricultural Research & Information System**

5960048

226

500

758

1a

Subtotal

226

500

758

**INTERREGIONAL**

International Training-Disaster Preparedness

9020002

350

2505

3105

3d

Food Storage Seminar

9040001

136

136

136

1d

Agriculture Information and Related Services

0130064

245

245

245

1a

Knowledge Synthesis for Policy

0131093

335

335

330

6

Training of Trainers in Management

0440055

500

700

250

7

Off-Farm Employment

0241191

644

145

6

6

Energy Technology Education

0352516

750

1600

2b

Vitamin A Delivery Systems

0230045

674

300

400

1b

Combatting Iron Deficiency Anemia

0230227

650

300

600

3b

1980 Census

0430622

1383

1430

1150

3d

Training Family Planning Managers

0430627

389

500

3b

Demographic Data Collection - Asia

0430648

750

900

700

3b

Family Planning Seminars

0430652

100

200

3d

Improved Information on Feed Nutrition

0210050

125

120

1a

Nitrogen - Fixing Research &amp; Training

0210247

526

1a

Control of Vertebrate Pests

0210473

150

1a

Grazing Ruminants

0210600

612

1a

Agriculture Seminars

0210887

866

800

1a

Pest Management and Environmental Protection

0210930

200

6

Standardization in Less Developed Countries

0320243

250

2b\*

Wood as a Fuel Resource

0321080

1745

1250

6

Enhancing Science and Technology Capabilities

0321223

100

120

120

6

Development Digest

9300002

500

500

1a

Appropriate Technology Support

032AT00

955

1110

1000

3b

Medex - Primary Health Care Systems

0421180

250

1a

Sorghum Physiology

0210575

11,690

11,701

10,331

1a

Subtotal

TOTAL

11,690

12,086

11,701

12,701

10,331

11,389

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**Subject**

2.(d) The strengthening of international cooperation among all countries and the design of concrete new forms of international cooperation in the fields of science and technology for development:

ASIA

Asia Regional

|                               |         |     |  |  |   |
|-------------------------------|---------|-----|--|--|---|
| Regional Scholarships Program | 4980246 | 725 |  |  | 7 |
| Subtotal                      |         | 725 |  |  |   |

NEAR EAST

Egypt

|                      |      |  |      |  |   |
|----------------------|------|--|------|--|---|
| Educational Linkages | 0105 |  | 2100 |  | 7 |
| Subtotal             |      |  | 2100 |  |   |

LATIN AMERICA

Bolivia

|                                     |         |       |       |       |   |
|-------------------------------------|---------|-------|-------|-------|---|
| Basic Food Production and Marketing | 5110451 | 1100  | 1164  | 1300  | 6 |
| Subtotal                            |         | 1,100 | 1,164 | 1,300 |   |

INTERREGIONAL

|  |         |      |      |      |    |
|--|---------|------|------|------|----|
| UN Fellows Training Ser.from Other Fed. Agencies | 0440070 | 1524 | 1500 | 1700 | 7  |
| West African Rice Development Association        | 0210044 | 390  | 500  | 575  | 1a |
| Functional Implications of Malnutrition          | 0231309 |      |      | 1750 | 1b |
| IUPGR  | 0210056 | 460  | 600  | 675  | 1a |
| Plant and Seed Material                          | 0210829 | 122  |      | 150  | 1a |
| Rural Development                                | 0210139 |      | 200  |      | 2d |
| Determinants of Irrigation                       | 0211005 | 133  |      | 400  | 1a |
| Effect of Mechanization                          | 0211026 | 215  |      |      | 1a |
| Ticks  | 0211039 | 205  |      |      | 1a |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| *Int'l Institute of Tropical Agriculture                                   | 0210309            | 3500         | 3900         | 3900         | 1a                  |
| *Int'l Lab. for Research on Animal Diseases                                | 0210310            | 1970         | 2400         | 2400         | 1a                  |
| *International Livestock Center for Africa                                 | 0210311            | 1600         | 1800         | 2060         | 1a                  |
| *International Center for Health Research                                  | 0421012            |              | 1400         | 1900         | 3b                  |
| *Int'l Center for Agric. Research in Dry Areas                             | 0210069            | 1880         | 2900         | 3700         | 1a                  |
| *International Maize & Wheat Improvement Center                            | 0210840            | 2800         | 3600         | 4000         | 1a                  |
| *International Center for Tropical Agriculture                             | 0210865            | 2600         | 3400         | 3700         | 1a                  |
| *Int'l. Crops Inst. for Semi-Arid Tropics                                  | 0210972            | 1220         | 1600         | 2000         | 1a                  |
| International Rice Research Institute                                      | 0210826            | 3380         | 3400         | 3850         | 1a                  |
| Asian Vegetable Research and Development Center                            | 0210075            | 600          | 600          | 600          | 1a                  |
| World Rhizobium Collection Center  | 0210095            | 109          | 150          | 150          | 1a                  |
| International Potato Center  | 0210973            | 1600         | 1700         | 200          | 1a                  |
| Scientists/Engineers in Economic Development                               | 0320962            | 200          |              |              | 6                   |
| Arid Land Information  | 0321027            | 120          | 60           |              | 2d                  |
| U.S. Preparation for U.N. Conference                                       | 0321086            | 176          |              |              | 6                   |
| Energy/Natural Resources Expanded Information Base                         | 0321209            |              | 1290         |              | 2d                  |
| U.N. World Conference Phase II   | 0321308            |              | 500          |              | 6                   |
| *Man and Biosphere II  | 0325500            |              |              | 1350         | 2d                  |
| *LDC Forest Resources  | 0325502            |              |              | 750          | 2d                  |
| Scientific Institutions for Development                                    | 0325511            |              |              | 500          | 6                   |
| Development & Evaluation of Intergrated Health Delivery Systems - Thailand | 042T971            | 1266         |              |              | 3b                  |
| Development and Evaluation of Integrated Health Delivery Systems           | 0420971            | 1504         | 1572         |              | 3b                  |
| Subtotal   |                    | 27,574       | 33,072       | 36,250       |                     |
| TOTAL  |                    | 29,399       | 34,236       | 39,650       |                     |

|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| 2.(e) The promotion of cooperation among developing countries and the role of developed countries in such cooperation: |                    |              |              |              |                     |
| <u>AFRICA</u>  |                    |              |              |              |                     |
| <u>Africa Regional</u>   |                    |              |              |              |                     |
| Support to Regional Organizations  | 6980413            |              | 790          | 1260         | 7                   |
| Regional Water Resources   | 6980XXX            |              |              | 265          | 2d                  |
| Semi-arid Food Grain Research and Development  | 6980393            | 1800         | 3000         | 2330         | 1a                  |
| Subtotal   |                    | 1,800        | 3,790        | 3,855        |                     |
| <u>ASIA</u>  |                    |              |              |              |                     |
| <u>Asia Regional</u>   |                    |              |              |              |                     |
| ASEAN  |                    |              |              |              |                     |
| Regional Malaria Training Center   | 4980258            |              | 800          | 3000         | 6                   |
| Regional Education Development   | 4980259            |              | 1000         | 1450         | 7                   |
| Energy Development and Support Centers   | 4980198            | 1025         |              |              | 7                   |
|  | 4980262            |              | 600          | 1045         | 7                   |
| Subtotal   |                    | 1,025        | 2,480        | 5,495        |                     |
| <u>LATIN AMERICA</u>   |                    |              |              |              |                     |
| <u>Latin America Regional</u>  |                    |              |              |              |                     |
| Science and Technology Information Transfer  | 5980572            | 250          | 250          | 350          | 7                   |
| Subtotal   |                    | 250          | 250          | 350          |                     |
| <u>INTERREGIONAL</u>   |                    |              |              |              |                     |
| International Fertilizer Development Center  | 0210054            | 4000         | 4000         | 4000         | 1a                  |
| Predictive Sanitation Model  | 0421059            | 400          |              |              | 3b                  |
| Subtotal   |                    | 4,400        | 4,000        | 4,000        |                     |
| TOTAL  |                    | 7,475        | 10,520       | 13,700       |                     |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Subject Area</u> |
|--|--------------------|--------------|--------------|--------------|---------------------|
| 3. Utilization of the existing United Nations system and other international organizations to implement the objectives set out above in a coordinated and integrated manner: |                    |              |              |              |                     |
| <u>AFRICA</u>  |                    |              |              |              |                     |
| <u>Africa Regional</u>   |                    |              |              |              |                     |
| Economic Commission for Africa   | 6980340            | 400          | 440          | 400          | 7                   |
| Onchocerciasis Control (Volta River Basin)   | 6980399            | 2000         | 1700         | 1700         | 3b                  |
| Subtotal   |                    | 2,400        | 2,140        | 2,100        |                     |
| <u>INTERREGIONAL</u>   |                    |              |              |              |                     |
| UN Fund for Population Activities  | 043UN00            | 28000        | 32000        | 34000        | 3b                  |
| World Fertility Survey   | 0430547            | 4900         | 3300         | 3000         | 3b                  |
| Legal/Administration Obstacles to Population and Family Planning Programs  | 0430646            |              | 400          |              | 3b                  |
| Subtotal   |                    | 32,900       | 35,700       | 37,000       |                     |
| TOTAL  |                    | 35,300       | 37,840       | 39,100       |                     |

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SECTION 2: LISTING OF PROJECTS AND BUDGETS  
BY UNCSTD SUBJECT AREA

This section reorganizes Section 1 by UNCSTD subject areas, which are:

1. Food and Agriculture
  - a. Agricultural technology and techniques and their improvement
  - b. Nutrition
  - c. Fisheries
  - d. Food storage and processing
2. Natural Resources, including Energy
  - a. Renewable and non-renewable
  - b. Conventional and non-conventional sources of energy
  - c. Development and conservation
  - d. Rational management and utilization
3. Health, Human Settlements and Environment
  - a. Medicinal plants and pharmaceuticals
  - b. Health services
  - c. Housing
  - d. Social services and environment
4. Transportation and Communications
5. Industrialization, including Production of Capital Goods

In addition to the above UNCSTD subject areas, the following supplementary categories have been added for this study:

6. Multi-subject/Other
7. Education and Training

The UNCSTD agenda item (see Section 1) for each project appears in this list at the far right. The relevant subject area is noted at the bottom of each page.

A budget summary by subject area and geographic area follows:

SECTION 2: SUBTOTALS - BY SUBJECT AREA

## Subject Area 1 -- Food and Agriculture

## 1a. Agricultural Technology and Techniques and Their Improvement

| <u>REGION</u> | <u>FY 1978</u> | <u>FY 1979</u> | <u>FY 1980</u> |
|---------------|----------------|----------------|----------------|
| Africa        | 31,920         | 35,602         | 42,460         |
| Asia          | 106,552        | 95,696         | 151,522        |
| Near East     | 19,780         | 52,893         | 142,006        |
| Latin America | 47,660         | 47,421         | 43,827         |
| Interregional | 43,091         | 46,160         | 48,260         |
| TOTAL         | <u>249,003</u> | <u>277,772</u> | <u>428,075</u> |

## 1b. Nutrition

| <u>REGION</u> |               |              |              |
|---------------|---------------|--------------|--------------|
| Africa        | ---           | 1,123        | 1,100        |
| Asia          | ---           | 530          | 1,000        |
| Near East     | ---           | 250          | 700          |
| Latin America | 4,194         | 959          | 316          |
| Interregional | 6,175         | 3,670        | 6,083        |
| TOTAL         | <u>10,369</u> | <u>6,532</u> | <u>9,199</u> |

## 1c. Fisheries

| <u>REGION</u> |              |              |               |
|---------------|--------------|--------------|---------------|
| Africa        | 2,175        | 550          | 855           |
| Asia          | 221          | 400          | 1,000         |
| Near East     | 900          | 2,500        | 8,000         |
| Latin America | ---          | 3,380        | ---           |
| Interregional | ---          | ---          | 400           |
| TOTAL         | <u>3,296</u> | <u>6,830</u> | <u>10,255</u> |

## 1d. Food Storage and Processing

| <u>REGION</u> |            |              |              |
|---------------|------------|--------------|--------------|
| Africa        | 130        | 5,000        | 2,000        |
| Asia          | ---        | ---          | ---          |
| Near East     | ---        | ---          | 300          |
| Latin America | ---        | ---          | ---          |
| Interregional | 136        | 836          | 136          |
| TOTAL         | <u>266</u> | <u>5,836</u> | <u>2,436</u> |

## Subject Area 2 -- Natural Resources, including Energy

## 2a. Renewable and Non-renewable

| <u>REGION</u>            | <u>FY 1978</u> | <u>FY 1979</u> | <u>FY 1980</u> |
|--------------------------|----------------|----------------|----------------|
| Africa                   | ---            | 1000           | 1000           |
| Asia                     | ---            | ---            | 5000           |
| Near East                | 250            | 1,250          | ---            |
| Latin America            | ---            | 500            | 3,624          |
| Latin America (Regional) | ---            | ---            | ---            |
| TOTAL                    | <u>250</u>     | <u>2,750</u>   | <u>9,624</u>   |

## 2b. Conventional and Non-Conventional Sources of Energy

| <u>REGION</u> |               |                |               |
|---------------|---------------|----------------|---------------|
| Africa        | 6,290         | ---            | 3,574         |
| Asia          | 62,650        | 75,600         | 76,045        |
| Near East     | ---           | 100,571        | 2,500         |
| Latin America | 18,600        | ---            | 500           |
| Interregional | 1,591         | 10,750         | 15,410        |
| TOTAL         | <u>89,131</u> | <u>186,921</u> | <u>98,029</u> |

## 2c. Development and Conservation

| <u>REGION</u> |               |              |               |
|---------------|---------------|--------------|---------------|
| Africa        | 1,275         | 500          | 2,250         |
| Asia          | 8,400         | 2,000        | 13,300        |
| Near East     | 500           | ---          | ---           |
| Latin America | 400           | 3,070        | 1,075         |
| Interregional | ---           | ---          | 200           |
| TOTAL         | <u>10,575</u> | <u>5,570</u> | <u>16,825</u> |

## 2d. Rational Management and Utilization

| <u>REGION</u> |              |                |               |
|---------------|--------------|----------------|---------------|
| Africa        | 2,237        | 1,921          | 2,655         |
| Asia          | 317          | 11,950         | 7,750         |
| Near East     | 3,700        | 89,080         | 80,406        |
| Latin America | ---          | 1,421          | 3,674         |
| Interregional | 3,072        | 3,690          | 3,410         |
| TOTAL         | <u>9,326</u> | <u>108,062</u> | <u>97,895</u> |

## Subject Area 3 - Health, Human Settlements, and Environment

## 3a. Medicinal Plants and Pharmaceuticals

| <u>REGION</u> | <u>FY 1978</u> | <u>FY 1979</u> | <u>FY 1980</u> |
|---------------|----------------|----------------|----------------|
| Africa        | ---            | ---            | ---            |
| Asia          | 7,000          | 19,000         | 8,000          |
| Near East     | ---            | ---            | ---            |
| Latin America | ---            | ---            | ---            |
| Interregional | 1,352          | 1,566          | 2,276          |
| TOTAL         | <u>8,352</u>   | <u>20,566</u>  | <u>10,276</u>  |

## 3b. Health Services

| <u>REGION</u> |                |                |                |
|---------------|----------------|----------------|----------------|
| Africa        | 23,757         | 33,655         | 39,518         |
| Asia          | 57,265         | 23,815         | 65,077         |
| Near East     | 82,751         | 87,110         | 219,383        |
| Latin America | 4,131          | 34,823         | 39,462         |
| Interregional | 108,772        | 122,296        | 138,315        |
| TOTAL         | <u>276,676</u> | <u>301,699</u> | <u>501,755</u> |

## 3c. Housing

| <u>REGION</u> |              |            |            |
|---------------|--------------|------------|------------|
| Africa        | ---          | ---        | ---        |
| Asia          | ---          | ---        | ---        |
| Near East     | ---          | ---        | ---        |
| Latin America | 5,500        | ---        | ---        |
| Interregional | 795          | 225        | 250        |
| TOTAL         | <u>6,295</u> | <u>225</u> | <u>250</u> |

## 3d. Social Services and Environment

| <u>REGION</u> |               |               |               |
|---------------|---------------|---------------|---------------|
| Africa        | 4,560         | 4,039         | 3,616         |
| Asia          | 10,955        | 23,876        | 19,580        |
| Near East     | 36,335        | 30,025        | 16,730        |
| Latin America | 3,404         | 10,844        | 13,634        |
| Interregional | 7,371         | 10,345        | 10,220        |
| TOTAL         | <u>62,625</u> | <u>79,129</u> | <u>63,780</u> |

## Subject Area 4 - Transportation and Communications

| <u>REGION</u> | <u>FY 1978</u> | <u>FY 1979</u> | <u>FY 1980</u> |
|---------------|----------------|----------------|----------------|
| Africa        | 18,407         | 10,818         | 13,806         |
| Asia          | 8,004          | 17,583         | 16,300         |
| Near East     | 1,000          | 30,500         | 40,300         |
| Latin America | 24,130         | 1,878          | 1,210          |
| Interregional | 951            | 2,200          | 5,620          |
| GRAND TOTAL   | <u>52,492</u>  | <u>62,979</u>  | <u>74,236</u>  |

## Subject Area 5 - Industrialization, Including Production of Capital Goods

| <u>REGION</u> | <u>FY 1978</u> | <u>FY 1979</u> | <u>FY 1980</u> |
|---------------|----------------|----------------|----------------|
| Africa        | ---            | ---            | ---            |
| Asia          | ---            | ---            | 5,000          |
| Near East     | 50,000         | 112,500        | 52,500         |
| Latin America | 2,825          | 7,505          | 2,058          |
| Interregional | 4,100          | 4,125          | 5,605          |
| GRAND TOTAL   | <u>56,925</u>  | <u>124,130</u> | <u>65,163</u>  |

## Subject Area 6 - Multi-Subject/Other

| <u>REGION</u> | <u>FY 1978</u> | <u>FY 1979</u> | <u>FY 1980</u> |
|---------------|----------------|----------------|----------------|
| Africa        | 31,379         | 18,725         | 36,219         |
| Asia          | 4,100          | 2,130          | 12,800         |
| Near East     | 13,726         | 31,123         | 34,680         |
| Latin America | 15,107         | 11,990         | 4,574          |
| Interregional | 36,650         | 33,395         | 29,168         |
| GRAND TOTAL   | <u>100,962</u> | <u>97,363</u>  | <u>117,441</u> |

## Subject Area 7 - Education and Training

| <u>REGION</u> | <u>FY 1978</u> | <u>FY 1979</u> | <u>FY 1980</u> |
|---------------|----------------|----------------|----------------|
| Africa        | 18,856         | 27,164         | 22,713         |
| Asia          | 5,707          | 23,144         | 18,350         |
| Near East     | 18,837         | 28,201         | 32,366         |
| Latin America | 23,344         | 22,942         | 18,353         |
| Interregional | 4,534          | 9,152          | 5,490          |
| GRAND TOTAL   | <u>71,278</u>  | <u>110,603</u> | <u>97,272</u>  |

**A.I.D. PROJECTS RELEVANT TO UNCSTD SUBJECT AREAS**

**UNCSTD Subject Areas:**

|   | <u>Project No.</u> | <u>FY 78</u>         | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|----------------------|--------------|--------------|--------------------|
|   |                    | (in thousands of \$) |              |              |                    |
| <b>1. Food and Agriculture</b>  |                    |                      |              |              |                    |
| <b>a. Agricultural technology and techniques and their improvement.</b> |                    |                      |              |              |                    |
| <b><u>AFRICA</u></b>  |                    |                      |              |              |                    |
| <b><u>Malawi</u></b>  |                    |                      |              |              |                    |
| Agricultural Research   | 6120202            |                      | 2700         |              | 1d                 |
| <b><u>Kenya</u></b>   |                    |                      |              |              |                    |
| Marginal Lands Development - Kitui Area                                 | 6150172            |                      | 1300         | 2000         | 1c                 |
| Arid and Semi-Arid Lands Pre-Investigation Study                        | 6150181            |                      | 1230         |              |                    |
| Food Crops Research-East Africa Region                                  | 6150180            | 431                  | 1400         | 1400         | 1d                 |
| Rural Planning  | 6150162            | 700                  | 742          | 388          | 2a                 |
| <b><u>Tanzania</u></b>  |                    |                      |              |              |                    |
| Zanzibar Rice Production  | 6210151            |                      |              | 1825         | 1a                 |
| Seed Multiplication and Distribution                                    | 6210092            | 1340                 | 2020         | 2000         | 1c                 |
| Agriculture Manpower and Farmer Training/Production                     | 6210119            | 1225                 | 1520         | 610          | 1c                 |
| Tsetse Fly Rearing and Control  | 6210144            |                      | 500          | 410          | 1c                 |
| Agricultural Research   | 6210107            | 1415                 | 1185         | 1300         | 1d                 |
| <b><u>Sierra Leone</u></b>  |                    |                      |              |              |                    |
| Adaptive Crop Research and Extension                                    | 6360102            | 820                  | 1270         | 1220         | 1d                 |
| <b><u>Cameroon</u></b>  |                    |                      |              |              |                    |
| North Cameroon Livestock & Agric. Development                           | 6310004            | 1029                 | 1025         | 1181         | 1c                 |
| Small Farmer Livestock and Poultry                                      | 6310015            |                      | 400          | 200          | 1c                 |
| North Cameroon Seed Multiplication                                      | 6310001            | 400                  | 300          | 141          | 2a                 |
| <b><u>Ghana</u></b>   |                    |                      |              |              |                    |
| Managed Input Delivery/Agriculture Services                             | 6410067            | 1600                 | 1300         | 1855         | 1c                 |
| Development Applications of Intermediate Tech.                          | 6410084            | 500                  | 400          | 650          | 1c                 |
| Farmers Association/Agribusiness Development                            | 6410072            | 1500                 | 1400         | 500          | 2a                 |

Subject 1a

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|--|--------------------|--------------|--------------|--------------|--------------------|
| <u>Somali Republic</u>                         |                    |              |              |              |                    |
| Agriculture Extension, Training and Research   | 6490101            | 1800         | 1000         | 2700         | 1c                 |
| <u>Sudan</u>                                   |                    |              |              |              |                    |
| Blue Nile Agricultural Development             | 6500018            | 500          | 1500         | 2500         | 1c                 |
| Abyei Integrated Rural Development             | 6500025            | 495          |              |              | 1c                 |
| <u>Guinea-Bissau</u>                           |                    |              |              |              |                    |
| Agriculture Development                        | 6570002            | 500          | 500          |              | 1c                 |
| Rice Production                                | 6570004            |              | 475          | 750          | 1c                 |
| <u>Zaire</u>                                   |                    |              |              |              |                    |
| North Shaba Rural Development                  | 6600059            |              |              | 4000         | 1b                 |
| National Agricultural Research Institute       | 6600064            |              | 800          | 850          | 1d                 |
| Manioc Outreach                                | 6600077            |              | 850          | 850          | 1d                 |
| <u>Ethiopia</u>                                |                    |              |              |              |                    |
| Agricultural Sector Development                | 6630181            |              |              | 3000         | 1c                 |
| Seed Multiplication Certification/Distribution | 6630212            |              | 800          | 1000         | 1c                 |
| Pulses Diversification and Improvement         | 6630166            | 200          | 400          | 278          | 1d                 |
| <u>Liberia</u>                                 |                    |              |              |              |                    |
| YMCA Agricultural Training                     | 6690141            |              | 115          | 152          | 1c                 |
| Agricultural Research                          | 6690135            |              | 500          | 520          | 1d                 |
| Rural Development Training                     | 6690153            | 720          | 455          | 420          | 2a                 |
| <u>Guinea</u>                                  |                    |              |              |              |                    |
| Agriculture Production Capacity & Training     | 6750201            | 1810         | 2500         | 2200         | 1b                 |
| <u>Upper Volta</u>                             |                    |              |              |              |                    |
| Village Livestock Development                  | 6860203            | 800          |              |              | 1b                 |
| <u>Mali</u>                                    |                    |              |              |              |                    |
| Small Ruminants Study                          | 6880203            | 250          |              |              | 1b                 |
| <u>Niger</u>                                   |                    |              |              |              |                    |
| Rural Integrated Agricultural Development      | 6830228            | 300          |              |              | 1c                 |
| <u>Togo</u>                                    |                    |              |              |              |                    |
| Rural and Water Resources Development          | 6930214            |              |              | 300          | 1c                 |
| <u>Burundi</u>                                 |                    |              |              |              |                    |
| Basic Food Corps                               | 6950101            |              | 1215         | 698          | 1b                 |
| Agricultural Land Protection                   | 6950105            |              |              | 787          | 1c                 |

|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| <u>Rwanda</u>                                 |                    |              |              |              |                    |
| Area Development - I                          | 6960110            |              |              | 2320         | 1a                 |
| Food Storage and Marketing                    | 6960100            | 1000         | 620          |              | 1c                 |
| Local Crop Storage                            | 6960107            |              | 230          | 375          | 1c                 |
| <u>Mauritania</u>                             |                    |              |              |              |                    |
| Mauritania Integrated Rural Development       | 6820201            | 800          |              |              | 1c                 |
| <u>Senegal</u>                                |                    |              |              |              |                    |
| Cereals Production I                          | 6850201            | 300          |              |              | 2a                 |
| <u>Africa Regional - Sahel</u>                |                    |              |              |              |                    |
| Small Irrigated Perimeters                    | 6850208            | 1200         |              |              | 1c                 |
| Operation Mills - Crop Production             | 6880202            | 700          |              |              | 1c                 |
| Dike Construction (Action Riz-Sorgho)         | 6880206            | 1000         |              |              | 1c                 |
| <u>Africa Regional</u>                        |                    |              |              |              |                    |
| Entente Food Production-SFWA                  | 6260203            | 4690         | 950          |              | 1c                 |
| Rice Research and Production                  | 6980382            | 910          | 1000         | 750          | 1c                 |
| Regional Organizations Development            | 6980154            | 170          |              |              | 2c                 |
| Semi-arid Food Grain Research and Development | 6980393            | 1800         | 3000         | 2330         | 2e                 |
| Regional Water Resources - Savannah           | 6980415            | 615          |              |              | 1b                 |
| Control Veterinary Laboratory                 | 6250610            | 400          |              |              | 2a                 |
| Subtotal                                      |                    | 31,920       | 35,602       | 42,460       |                    |
| <u>ASIA</u>                                   |                    |              |              |              |                    |
| <u>Pakistan</u>                               |                    |              |              |              |                    |
| Agriculture Research                          | 3910296            |              | 240          | 200          | 1a                 |
| Dryland Agriculture Development               | 3910403            | 114          |              |              | 1c                 |
| Village Level Food Processing                 | 3910417            | 117          | 273          |              | 1c                 |
| Agricultural Inputs                           | 3910419            |              |              | 29600        | 1c                 |
| <u>Bangladesh</u>                             |                    |              |              |              |                    |
| Rural Irrigation                              | 3880012            |              |              | 7582         | 1b                 |
| Fertilizer Distribution Improvement           | 3880024            | 43000        | 57000        | 50000        | 1c                 |
| Agricultural Research                         | 3880003            | 920          | 900          | 200          | 1d                 |
| <u>Thailand</u>                               |                    |              |              |              |                    |
| Highland Agriculture Development              | 4930313            |              |              | 5000         | 1c                 |
| <u>Indonesia</u>                              |                    |              |              |              |                    |
| Sederhana Irrigation & Land Development II    | 4970252            | 19200        | 10300        |              | 1b                 |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|--|--------------------|--------------|--------------|--------------|--------------------|
| Rural Works II   | 4970285            |              |              |              |                    |
| Outer Island Agriculture Research  | 4970302            |              | 9000         | 17000        | 1b                 |
| Technical Assistance & Consulting Services   | 4970249            | 1000         |              | 6000         | 2a                 |
| <u>Nepal</u>   |                    |              |              |              | 2a                 |
| Seed Production and Storage  | 3670118            | 4031         |              |              | 1c                 |
| Integrated Cereals   | 3670114            |              | 1770         |              | 1d                 |
| <u>Sri Lanka</u>   |                    |              |              |              |                    |
| Mahaweli Basin Development   | 3830056            |              |              | 10000        | 1c                 |
| Development Services & Training  | 3830044            | 1000         | 1600         |              | 2a                 |
| <u>India</u>   |                    |              |              |              |                    |
| Gujarat Medium Irrigation  | 3860464            | 30000        |              |              | 1c                 |
| Rajasthan Medium Irrigation  | 3860467            |              |              | 15000        | 1c                 |
| Agricultural Research and Education  | 3860470            |              |              | 7700         | 1d                 |
| <u>Philippines</u>   |                    |              |              |              |                    |
| Small Scale Irrigation   | 4920274            | 365          |              |              | 1c                 |
| Bicol Integrated Area Development III- Rinconada   | 4920289            |              | 3500         | 1500         | 1c                 |
| Small Farmer Systems I   | 4920301            | 5155         | 5000         | 495          | 1c                 |
| Bicol Integrated Rural Development   | 4920303            | 900          | 680          | 520          | 1c                 |
| Bicol Integrated Area Development II (Bula)  | 4920310            | 750          |              |              | 1c                 |
| Agriculture Research II  | 4920286            |              | 5000         |              | 2a                 |
| <u>Asia Regional</u>   |                    |              |              |              |                    |
| Extension of Small Scale Agricultural Equipment<br>(International Rice Research Institute) | 4980265            |              | 433          | 725          | 1a                 |
| Subtotal   |                    |              |              |              |                    |
| <u>NEAR EAST</u>   |                    | 106,552      | 95,696       | 151,522      |                    |
| <u>Yemen Arab Republic</u>   |                    |              |              |              |                    |
| Appropriate Village Technology   | 2790046            |              | 1070         | 575          | 1a                 |
| Poultry Development  | 2790019            | 315          | 240          |              | 1c                 |
| Tropical and Subtropical Horticulture  | 2790024            | 200          | 450          | 810          | 1d                 |
| Agricultural Research and Development  | 2790030            | 600          | 500          | 680          | 1d                 |
| Land Classification  | 2790042            | 486          |              |              | 1d                 |
| Agricultural Development Support   | 2790052            |              | 3140         | 5300         | 2b                 |
| <u>Afghanistan</u>   |                    |              |              |              |                    |
| Irrigation Development   | 3060171            |              |              | 1600         | 1b                 |

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|---|--------------------|--------------|--------------|--------------|--------------------|
| Central Helmand Drainage II                 | 3060149            | 3220         | 2743         | 4503         | 1c                 |
| Integrated Wheat Development I              | 3060163            |              | 2017         |              | 1a                 |
| <u>Tunisia</u>                              |                    |              |              |              |                    |
| Agriculture Technology Transfer             | 6640304            | 1480         |              |              | 1a                 |
| Rural Development                           | 6640285            | 350          |              |              | 1c                 |
| Livestock Forage Production                 | 6640293            | 438          | 641          | 530          | 1c                 |
| Central Tunisia Rural Development           | 6640312            |              | 5192         | 5200         | 1c                 |
| Agricultural Economic Research and Planning | 6640237            | 145          |              |              | 2a                 |
| <u>Egypt</u>                                |                    |              |              |              |                    |
| Small Scale Agriculture Activities          | 2630096            |              | 500          | 1000         | 1a                 |
| Agribusiness Development                    | 2630056            |              | 2500         |              | 1a                 |
| Agriculture Development Systems             | 2630041            | 3800         | 2000         | 2500         | 1b                 |
| Poultry Improvement                         | 2630060            | 3500         | 600          |              | 1b                 |
| Irrigation Pumps                            | 2630107            |              |              | 15000        | 1b                 |
| Fertilizer Production & Distribution        | 2630109            |              |              | 20000        | 1b                 |
| Small Farmer Production                     | 2630079            |              | 7000         | 2500         | 1c                 |
| Agriculture Mechanization                   | 2630031            |              | 21000        | 23000        | 1c                 |
| New Lands Development                       | 2630108            |              |              | 50000        | 1c                 |
| Rice Research and Training                  | 2630027            | 1500         | 1800         | 1700         | 1d                 |
| Major Cereals                               | 2630070            | 1500         | 1500         | 2500         | 1d                 |
| <u>Syria</u>                                |                    |              |              |              |                    |
| Agricultural Research                       | 2760031            |              |              | 1700         | 1a                 |
| Agricultural Planning                       | 2760030            |              |              | 1200         | 2a                 |
| <u>Jordan</u>                               |                    |              |              |              |                    |
| Jordan Valley Agricultural Services         | 2780240            |              |              | 750          | 1c                 |
| <u>Morocco</u>                              |                    |              |              |              |                    |
| Agricultural Research and Training          | 6080122            | 150          |              |              | 1d                 |
| Dryland Agriculture Applied Research        | 6080136            | 2096         |              | 958          | 1d                 |
| Subtotal                                    |                    | 19,780       | 52,893       | 142,006      |                    |
| <u>LATIN AMERICA</u>                        |                    |              |              |              |                    |
| <u>Chile</u>                                |                    |              |              |              |                    |
| Mapuche Livestock                           | 513ML00            | 150          | 150          | 150          | 1d                 |
| <u>Guyana</u>                               |                    |              |              |              |                    |
| Seed Farm Development                       | 5040665            | 275          | 190          | 35           | 1c                 |

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|--|--------------------|--------------|--------------|--------------|--------------------|
| <u>Small Farm Development</u>                |                    |              |              |              |                    |
| <u>Bolivia</u>                               | 5040075            | 7500         |              | 315          | 1c                 |
| Agribusiness and Artisanry                   | 5110472            | 185          | 215          |              | 1c                 |
| Small Farm Production                        | 5110481            | 600          | 800          | 800          | 1c                 |
| Quinoa Productional-Catholic Relief Services | 5110486            |              | 150          | 125          | 1c                 |
| Micro Irrigation in Chuq. La Paz-(CARE)      | 5110492            |              | 150          | 150          | 1c                 |
| <u>Costa Rica</u>                            |                    |              |              |              |                    |
| Natural Resources                            | 5150145            |              | 5460         |              | 2a                 |
| Remote Sensing                               | 5150144            | 250          |              |              | 2b                 |
| <u>Dominican Republic</u>                    |                    |              |              |              |                    |
| Agricultural Sector Development              | 5170113            | 325          |              |              | 1b                 |
| <u>Ecuador</u>                               |                    |              |              |              |                    |
| Access Works for Small Farmers               | 5180012            |              |              | 4000         | 1c                 |
| Agriculture Baseline Study                   | 5180000            | 162          |              |              | 1d                 |
| <u>El Salvador</u>                           |                    |              |              |              |                    |
| Small Enterprise Development (Technoserve)   | 5190197            | 120          | 180          | 180          | 1a                 |
| Health Resources Center                      | 5190194            |              | 75           | 100          | 1b                 |
| Small Farm Irrigation Systems                | 5190184            | 2300         |              |              | 2a                 |
| <u>Guatemala</u>                             |                    |              |              |              |                    |
| Food Productivity & Nutritional Improvement  | 5200232            | 475          | 330          |              | 1a                 |
| Rural Enterprises Development                | 5200245            |              | 7700         | 308          | 1a                 |
| Small Farmer Diversification System          | 5200255            |              | 5000         | 400          | 1b                 |
| Small Farmer Development                     | 5200233            | 550          | 400          | 655          | 1c                 |
| <u>Haiti</u>                                 |                    |              |              |              |                    |
| Agriculture Development Support II           | 5210092            | 1000         | 1335         | 1461         | 1b                 |
| Small Farmer Development I                   | 5210073            | 817          | 214          |              | 1c                 |
| Integrated Agriculture Development           | 5210078            | 700          | 875          | 1177         | 1c                 |
| Small Farmer Development Alternatives        | 421SF00            |              |              | 975          | 1c                 |
| <u>Honduras</u>                              |                    |              |              |              |                    |
| Small Farmer Technologies                    | 5220123            | 350          | 697          | 1000         | 1a                 |
| Rural Technologies                           | 5220157            |              | 850          | 1900         | 1a                 |
| Nutrition                                    | 5220124            | 250          | 150          |              | 1b                 |
| Agricultural Research                        | 5220139            | 150          | 750          | 700          | 1b                 |
| Agricultural Sector II                       | 5220150            |              | 1000         | 7000         | 1b                 |

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|---|--------------------|--------------|--------------|--------------|--------------------|
| Agro-Industrial Export Development                        | 5220120            | 100          | 480          |              | 1c                 |
| Rural Trails  | 5220137            | 300          | 100          |              | 1c                 |
| Integrated Rural Development (AITEC)                      | 522A100            |              | 100          | 100          | 1c                 |
| <u>Nicaragua</u>  |                    |              |              |              |                    |
| Small Farm Enterprise                                     | 5240135            |              | 296          | 64           | 1b                 |
| Rural Development Sector Loan II                          | 5240138            |              | 4000         |              | 1b                 |
| Agriculture Frontier Development                          | 5240147            |              |              | 195          | 1b                 |
| Campesino Training Institute                              | 5240145            |              | 100          | 28           | 1b                 |
| Rural Family Education Centers                            | 5240160            | 115          | 196          |              | 1b                 |
| Soil Water Management                                     | 5240164            |              |              | 200          | 2a                 |
| <u>Panama</u>   |                    |              |              |              |                    |
| Growth and Service Centers Development                    | 5250185            | 10000        |              |              | 1c                 |
| Applied Agricultural Research                             | 5250180            |              |              | 5000         | 1d                 |
| Agricultural Research                                     | 5250211            |              | 400          | 500          | 1d                 |
| <u>Paraguay</u>   |                    |              |              |              |                    |
| Minifundia Crop Intensification                           | 5260118            |              | 445          | 655          | 1b                 |
| <u>Peru</u>   |                    |              |              |              |                    |
| Soy and Corn Production by Small Farmers                  | 5270149            | 646          | 389          | 237          | 1b                 |
| On-Farm Water Management                                  | 5270170            | 189          | 191          | 117          | 1b                 |
| Development of Sub-tropical Lands                         | 5270163            | 19000        |              |              | 1c                 |
| Agricultural Research and Extension                       | 5270192            |              |              | 9350         | 1c                 |
| Fupaderuc Water Management                                | 5270188            |              | 200          |              | 1c                 |
| Appropriate Rural Technology                              | 5270162            | 300          | 445          | 300          | 2a                 |
| Small Farmer Organization Development                     | 5270191            |              |              | 400          | 2a                 |
| <u>Jamaica</u>  |                    |              |              |              |                    |
| Integrated Rural Development                              | 5320046            |              | 600          | 700          | 1c                 |
| Agricultural Marketing                                    | 5320060            |              | 10000        |              | 1c                 |
| <u>Other West Indies-Eastern Caribbean Region</u>         |                    |              |              |              |                    |
| Small Farmer Commodity Systems                            | 5380012            |              |              | 800          | 1c                 |
| Caribbean Farming Research System                         | 5380015            | 625          | 500          | 500          | 1c                 |
| Improved Agriculture Extension                            | 5380017            |              | 600          | 500          | 1c                 |
| <u>Regional Office Central America &amp; Panama-ROCAP</u> |                    |              |              |              |                    |
| Small Farm Production Systems                             | 5960083            |              | 475          | 1000         | 2a                 |
| Agricultural Research & Information System                | 5960048            | 226          | 500          | 758          | 2c                 |

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|--|--------------------|--------------|--------------|--------------|--------------------|
| <u>Latin America Regional</u>                      |                    |              |              |              |                    |
| Vertebrate Pest Control                            | 5980584            |              | 733          | 217          | 1c                 |
| Seed Training, Outreach of Research Unit           | 5980595            |              |              | 275          | 1a                 |
| Subtotal   |                    | 47,660       | 47,421       | 43,827       |                    |
| <u>INTERREGIONAL</u>                               |                    |              |              |              |                    |
| Appropriate Technology Information Network         | 0132250            |              | 225          |              | 1a                 |
| Matching Grant-Heifer Project International        | 9030013            | 150          | 161          | 200          | 1a                 |
| Weed Control Utilization                           | 0210206            | 383          | 383          |              | 1a                 |
| Expanded Program of Economics                      | 0210236            | 1702         | 800          | 750          | 1a                 |
| Sorghum Pest Resistance                            | 0210578            | 350          |              |              | 1a                 |
| Technology Policy and Rural Income                 | 0211168            | 244          |              |              | 1a                 |
| Commercial Seed Project                            | 0211121            | 515          |              |              | 1b                 |
| Control of Barley Disease                          | 0211398            | 454          |              |              | 1b                 |
| Institutional Development-(Ideas)                  | 9030090            | 219          | 236          |              | 1c                 |
| Sterility Method for Tsetse Fly                    | 0210030            | 300          |              |              | 1c                 |
| Agribusiness                                       | 0210060            | 775          | 130          | 160          | 1c                 |
| Small Scale Agricultural Equipment                 | 0210066            | 234          |              |              | 1c                 |
| Soils-Collaborative Research Support Project       | 0214020            | 250          | 250          | 2000         | 1d                 |
| Sorghum/Millet Collaborative Research Supp. Proj.  | 0211254            |              | 5000         | 2500         | 1d                 |
| EPA - Resources Support Service Agreement          | 0211326            |              | 260          | 130          | 1d                 |
| Small Ruminants-Collaborative Research Supp. Proj. | 0211328            | 4186         | 3200         | 3200         | 1d                 |
| Animal Health-Collaborative Research Supp. Proj.   | 0214009            |              | 250          |              | 1d                 |
| Seed Industry                                      | 0210203            | 227          | 250          | 276          | 2a                 |
| Nitrogen Fixing Limiting Factors                   | 0210610            | 174          | 500          |              | 2a                 |
| Sorghum Protein Content                            | 0210452            | 305          |              |              | 2b                 |
| Improved Variety of Soybeans                       | 0210560            |              |              | 700          | 2b                 |
| Beans and Cowpeas                                  | 0210562            | 175          | 350          |              | 2b                 |
| Nitrogen Fixing Symbiotic - Hawaii                 | 0210513            | 1256         |              | 800          | 2b                 |
| Pest Management - Rootnot Nematodes                | 0210614            | 265          |              |              | 2b                 |
| Farming Systems Research & Development. Methods    | 0211006            | 1200         |              |              | 2b                 |
| Pearl Millet                                       | 0211040            | 265          |              |              | 2b                 |
| Maize Aflatoxin                                    | 0211181            | 149          |              |              | 2b                 |
| Bean Collaborative Research                        | 0211259            | 250          |              | 3000         | 2b                 |
| Peanuts Collaborative Research Support Project     | 0214013            |              | 250          |              | 2b                 |

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|--|--------------------|--------------|--------------|--------------|--------------------|
| Remote Sensing - Agriculture                       | 0321224            |              | 1400         |              | 2b                 |
| Agriculture Info and Related Services              | 0130064            |              | 245          | 245          | 2c                 |
| Improved Information on Feed Nutrition             | 0210050            | 125          |              |              | 2c                 |
| Nitrogen Fixing Research and Training              | 0210247            |              | 120          |              | 2c                 |
| Control of Vertebrate Pests                        | 0210473            | 526          |              |              | 2c                 |
| Grazing Ruminants - Collaborative Research         | 0210600            | 150          |              |              | 2c                 |
| Agriculture ECPM Seminars                          | 0210887            | 612          |              |              | 2c                 |
| Pest Management Related Environmental Protection   | 0210930            | 866          | 800          |              | 2c                 |
| Appropriate Technology Support                     | 032AT00            |              |              | 500          | 2c                 |
| International Agriculture Research                 | 0211A60            |              | 80           | 85           | 2d                 |
| Sorghum Physiology                                 | 0210575            | 250          |              |              | 2c                 |
| West African Rice Development Association          | 0210044            | 390          | 500          | 575          | 2d                 |
| IUPGR  | 0210056            | 460          | 600          | 675          | 2d                 |
| Int'l. Center for Ag. Res. in Dry Areas            | 0210069            | 1880         | 2900         | 3700         | 2d                 |
| Asian Vegetable Research & Development Center      | 0210075            | 600          | 600          | 600          | 2d                 |
| World Rhizobium Collection Center                  | 0210095            | 109          | 150          | 150          | 2d                 |
| International Institute on Tropical Agriculture    | 0210309            | 3500         | 3900         | 3900         | 2d                 |
| International Lab. for Research on Animal Diseases | 0210310            | 1970         | 2400         | 2400         | 2d                 |
| International Livestock Center for Africa          | 0210311            | 1600         | 1800         | 2000         | 2d                 |
| International Rice Research Institute              | 0210826            | 3380         | 3400         | 3850         | 2d                 |
| Plant and Seed Material                            | 0210829            | 122          |              | 150          | 2d                 |
| International Maize & Wheat Improvement Center     | 0210840            | 2800         | 3600         | 4000         | 2d                 |
| International Center for Tropical Agriculture      | 0210865            | 2600         | 3400         | 3700         | 2d                 |
| International Crops Res.Inst.for Semi-Arid Tropics | 0210972            | 1220         | 1600         | 2000         | 2d                 |
| International Potato Center                        | 0210973            | 1600         | 1700         | 200          | 2d                 |
| Determinants of Irrigation                         | 0211005            | 133          |              | 400          | 2d                 |
| Effect of Mechanization                            | 0211026            | 215          |              |              | 2d                 |
| Ticks  | 0211038            | 205          |              |              | 2d                 |
| International Fertilizer Development Center        | 0210054            | 4000         | 4000         | 4000         | 2e                 |
| Subtotal   |                    | 43,091       | 46,160       | 48,260       |                    |
| TOTAL  |                    | 249,003      | 277,772      | 428,075      |                    |

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|---|--------------------|--------------|--------------|--------------|--------------------|
| <b>1.b. Nutrition</b>                             |                    |              |              |              |                    |
| <u>AFRICA</u>                                     |                    |              |              |              |                    |
| <u>Zaire</u>                                      |                    |              |              |              |                    |
| Nutrition Planning                                | 6600055            |              | 823          |              | 2a                 |
| Area Nutrition Improvement                        | 6600079            |              |              | 800          | 2b                 |
| <u>Benin (Dahomey)</u>                            |                    |              |              |              |                    |
| Soya Production/Nutrition                         | 6800207            |              | 300          | 300          | 1c                 |
| Subtotal  |                    | 50           | 1,123        | 1,100        |                    |
| <u>ASIA</u>                                       |                    |              |              |              |                    |
| <u>Philippines</u>                                |                    |              |              |              |                    |
| National Nutrition Outreach                       | 4920320            |              | 530          | 1000         | 2a                 |
| Subtotal  |                    | --           | 530          | 1,000        |                    |
| <u>NEAR EAST</u>                                  |                    |              |              |              |                    |
| <u>Near East Regional</u>                         |                    |              |              |              |                    |
| PVOs  | 2980036            |              | 250          | 700          | 1c                 |
| Subtotal  |                    | --           | 250          | 700          |                    |
| <u>LATIN AMERICA</u>                              |                    |              |              |              |                    |
| <u>Haiti</u>                                      |                    |              |              |              |                    |
| Nutrition Improvement                             | 5210075            | 290          | 299          |              | 2a                 |
| <u>Nicaragua</u>                                  |                    |              |              |              |                    |
| Nutrition Development Program                     | 5240128            | 3276         | 180          | 44           | 1c                 |
| <u>Other West Indies-Eastern Caribbean Region</u> |                    |              |              |              |                    |
| Caribbean Regional Nutrition                      | 5380022            | 350          | 480          | 272          | 1c                 |
| Caribbeana Council                                | 5380P01            | 278          |              |              | 1c                 |
| Subtotal  |                    | 4,194        | 959          | 316          |                    |
| <u>INTERREGIONAL</u>                              |                    |              |              |              |                    |
| Protein/Calorie Interventions                     | 0230625            | 2714         |              | 540          | 1a                 |
| Nutrition Science & Technology Support            | 0230799            |              | 275          | 306          | 1a                 |
| Nutrition Surveys/Surveillance                    | 0231064            | 772          | 300          | 300          | 1a                 |
| Consumption Effects of Agricultural Policies      | 0231274            |              | 500          | 513          | 1a                 |
| Consumption Effects of Economic Policies          | 0231315            | 320          |              | 180          | 1a                 |
| Maternal Child Health Assessment                  | 9040002            | 220          | 220          |              | 1b                 |
| Technical Assistance in Nutrition Education       | 0231065            |              | 300          | 500          | 1b                 |

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|---|--------------------|--------------|--------------|--------------|--------------------|
| Nutrition Agriculture Centers                       | 0231124            |              | 600          |              | 1b                 |
| Grain Marketing and Storage                         | 0210786            | 978          |              | 400          | 1b                 |
| Clinical Assay of High Protein Food Sources         | 0230077            | 151          | 300          | 200          | 1d                 |
| Changing Maternal and Weaning Dietary               | 0231010            |              | 500          | 1000         | 2a                 |
| Soybean Utilization                                 | 0230225            | 346          | 375          |              | 2b                 |
| Vitamin A Delivery Systems                          | 0230045            | 674          | 300          | 400          | 2c                 |
| Functional Implications of Malnutrition <i>CRSP</i> | 0231309            |              |              | 1750         | 2d                 |
| Subtotal  |                    | 6,175        | 3,670        | 60836        |                    |
| TOTAL   |                    | 10,369       | 6,532        | 9,199        |                    |
| 1.c. Fisheries.                                     |                    |              |              |              |                    |
| <u>AFRICA</u>                                       |                    |              |              |              |                    |
| <u>Burundi</u>                                      |                    |              |              |              |                    |
| Highland Fisheries                                  | 6950102            | 500          | 550          | 255          | 1b                 |
| <u>Rwanda</u>                                       |                    |              |              |              |                    |
| Fish Culture  | 6960112            |              |              | 600          | 1c                 |
| <u>Africa Regional - Sahel</u>                      |                    |              |              |              |                    |
| Niamey Department Development                       | 6830205            | 1675         |              |              | 1b                 |
| Subtotal  |                    | 2,175        | 550          | 855          |                    |
| <u>ASIA</u>   |                    |              |              |              |                    |
| <u>Philippines</u>                                  |                    |              |              |              |                    |
| Freshwater Fisheries Development                    | 4920322            |              | 400          | 1000         | 1b                 |
| Aquaculture Production                              | 4920266            | 221          |              |              | 2a                 |
| Subtotal  |                    | 221          | 400          | 1000         |                    |
| <u>NEAR EAST</u>                                    |                    |              |              |              |                    |
| <u>Egypt</u>  |                    |              |              |              |                    |
| Aquaculture Development                             | 2630064            | 900          | 2500         | 8000         | 1c                 |
| Subtotal  |                    | 900          | 2500         | 8000         |                    |
| <u>LATIN AMERICA</u>                                |                    |              |              |              |                    |
| <u>Jamaica</u>                                      |                    |              |              |              |                    |
| Fish Production System Development                  | 5320059            |              | 3380         |              | 1b                 |
| Subtotal  |                    |              | 3380         |              |                    |

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|---|--------------------|--------------|--------------|--------------|--------------------|
| <u>INTERREGIONAL</u>                          |                    |              |              |              |                    |
| Spring and Winter Wheat                       | 0210621            |              |              | 400          | 1d                 |
| Subtotal                                      |                    |              |              | 400          |                    |
| TOTAL   |                    | 3,296        | 6,830        | 10,255       |                    |
| 1.d. Food storage and processing.             |                    |              |              |              |                    |
| <u>AFRICA</u>                                 |                    |              |              |              |                    |
| <u>Zaire</u>                                  |                    |              |              |              |                    |
| Agriculture Market Development                | 6600019            |              | 5000         | 2000         | 1b                 |
| <u>Tanzania</u>                               |                    |              |              |              |                    |
| Agriculture Marketing and Development Loan    | 6210099            | 130          |              |              | 2a                 |
| Subtotal                                      |                    | 130          | 5,000        | 2,000        |                    |
| <u>NEAR EAST</u>                              |                    |              |              |              |                    |
| <u>Jordan</u>                                 |                    |              |              |              |                    |
| Community Development/Nutrition               | 2780236            |              |              | 300          | 1b                 |
| Subtotal                                      |                    |              |              | 300          |                    |
| <u>INTERREGIONAL</u>                          |                    |              |              |              |                    |
| Rice Processing                               | 0211324            |              | 700          |              | 1c                 |
| Food Storage Seminar                          | 9040001            | 136          | 136          | 136          | 2c                 |
| Subtotal                                      |                    | 136          | 836          | 136          |                    |
| TOTAL   |                    | 266          | 5,836        | 2,436        |                    |
| 2. Natural Resources, including energy.       |                    |              |              |              |                    |
| a. Renewable and non-renewable.               |                    |              |              |              |                    |
| <u>AFRICA</u>                                 |                    |              |              |              |                    |
| <u>Cameroon</u>                               |                    |              |              |              |                    |
| Mandara Mountains Water Resources             | 6310012            |              | 1000         | 1000         | 1c                 |
| Subtotal                                      |                    |              | 1,000        | 1,000        |                    |
| <u>ASIA</u>                                   |                    |              |              |              |                    |
| <u>Thailand</u>                               |                    |              |              |              |                    |
| Renewable/Non-Conventional Energy Development | 4930304            |              |              | 5000         | 1a                 |
| Subtotal                                      |                    |              |              | 5000         |                    |
|   | 2-12               |              |              |              | Subject 1d, 2a     |

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|-------------------------------------|--------------------|--------------|--------------|--------------|--------------------|
| <b>NEAR EAST</b>                    |                    |              |              |              |                    |
| <u>Jordan</u>                       |                    |              |              |              |                    |
| Minerals Development                | 2780202            | 250          | 1250         |              | 1d                 |
| Subtotal                            |                    | 250          | 1,250        |              |                    |
| <b>LATIN AMERICA</b>                |                    |              |              |              |                    |
| <u>Costa Rica</u>                   |                    |              |              |              |                    |
| Energy Development and Conservation | 5150149            |              |              | 300C         | 1a                 |
| <u>Panama</u>                       |                    |              |              |              |                    |
| Renewable Energy Sources            | 5250207            |              | 500          |              | 1c                 |
| <u>Latin America Regional</u>       |                    |              |              |              |                    |
| Energy Resources Development        | 5980601            |              |              | 624          | 2a                 |
| Subtotal                            |                    |              | 500          | 3,624        |                    |
| TOTAL                               |                    | 250          | 2,750        | 9,624        |                    |

2.b. Conventional and non-conventional sources of energy.

|                                  |         |       |       |       |    |
|----------------------------------|---------|-------|-------|-------|----|
| <b>AFRICA</b>                    |         |       |       |       |    |
| <u>Cape Verde</u>                |         |       |       |       |    |
| Desalination/Power on Sal Island | 6550005 | 6290  |       |       | 1b |
| <u>Burundi</u>                   |         |       |       |       |    |
| Alternate Energy-Peat            | 6950103 |       |       | 2509  | 1c |
| <u>Africa Regional</u>           |         |       |       |       |    |
| Energy Initiative                | 698EEEE |       |       | 1065  | 1b |
| Subtotal                         |         | 6,290 |       | 3,574 |    |
| <b>ASIA</b>                      |         |       |       |       |    |
| <u>India</u>                     |         |       |       |       |    |
| Rural Electrification            | 3860462 |       | 58000 | 40000 | 1c |
| <u>Pakistan</u>                  |         |       |       |       |    |
| Rural Electrification            | 3910408 |       | 1000  |       | 1c |
| <u>Indonesia</u>                 |         |       |       |       |    |
| Rural Electrification I          | 4970267 | 33000 | 3000  |       | 1b |
| Rural Electrification II         | 4970283 |       |       | 34000 | 1b |
| Energy Manpower and Training     | 4970300 |       |       | 1000  | 2a |

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|---|--------------------|--------------|--------------|--------------|--------------------|
| <u>Philippines</u>                                  |                    |              |              |              |                    |
| Non-Conventional Energy Development                 | 4920294            | 8650         |              |              | 1d                 |
| <u>Bangladesh</u>                                   |                    |              |              |              |                    |
| Rural Electrification                               | 3880021            | 21000        | 13000        |              | 2a                 |
| <u>Asia Regional</u>                                |                    |              |              |              |                    |
| Energy Development and Support Centers              | 4980262            |              | 600          | 1045         | 2e                 |
| Subtotal  |                    | 62,650       | 75,600       | 76,045       |                    |
| <u>NEAR EAST</u>                                    |                    |              |              |              |                    |
| <u>Egypt</u>  |                    |              |              |              |                    |
| Suez Electric Generating Plant                      | 2630110            |              | 100000       |              | 1b                 |
| <u>Near East Regional</u>                           |                    |              |              |              |                    |
| Energy  | 2980005            |              | 571          | 1800         | 1c                 |
| <u>Jordan</u>                                       |                    |              |              |              |                    |
| Alternate Energy Research Solar                     | 2780237            |              |              | 700          | 1d                 |
| Subtotal  |                    |              | 100,571      | 2,500        |                    |
| <u>LATIN AMERICA</u>                                |                    |              |              |              |                    |
| <u>Jamaica</u>                                      |                    |              |              |              |                    |
| Science and Technology                              | 5320065            |              |              | 200          | 1a                 |
| <u>Honduras</u>                                     |                    |              |              |              |                    |
| Rural Electrification-Aguan Valley                  | 5220138            | 10000        |              |              | 1b                 |
| <u>Guatemala</u>                                    |                    |              |              |              |                    |
| Rural Electrification                               | 5200248            | 8600         |              |              | 1c                 |
| <u>Regional Office Central America &amp; Panama</u> |                    |              |              |              |                    |
| Non-Conventional Energy Studies                     | 5960086            |              |              | 300          | 1a                 |
| Subtotal  |                    | 18,600       |              | 500          |                    |
| <u>INTERREGIONAL</u>                                |                    |              |              |              |                    |
| Decentralized Hydropower                            | 0352515            |              | 1000         | 1500         | 1b                 |
| Coops. - Nat. Rural Elec. Coop. Assist.             | 9030037            | 450          | 550          | 500          | 1b                 |
| Biomass Production for Energy                       | 9365709            |              | 1000         | 2660         | 2b                 |
| Energy Development and Support Groups               | 0352514            |              | 1000         | 1500         | 2b                 |
| Energy Expansion Hydropower                         | 9365715            |              | 2000         | 2000         | 2b                 |
| Conventional Energy Assessment and Assistance       | 9365708            |              | 1300         | 1500         | 2b                 |
| Electric Arc Generation of Nitrogen Fertilizer      | 035E526            | 791          | 500          | 300          | 2b                 |
| Selected Stud. on AID Energy/Sci./Tech./Policy      | 909SS00            | 100          | 100          | 250          | 2b                 |

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|---|--------------------|--------------|--------------|--------------|------------------------|
| Energy Training and Institutional Development | 9361160            |              | 1050         | 1750         | 2b                     |
| Applied Energy Technology                     | 9365715            |              | 1500         | 1850         | 2b                     |
| Energy Technology Education                   | 9365711            |              | 750          | 1600         | 2c                     |
| Wood as a Fuel Resource                       | 0321080            | 250          |              |              | 2c                     |
| Subtotal                                      |                    | 1,591        | 10,570       | 15,410       |                        |
| TOTAL   |                    | 89,131       | 186,921      | 98,029       |                        |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| <b>2.c. <u>Development and Conservation</u></b> |                    |              |              |              |                    |
| <b><u>AFRICA</u></b>                            |                    |              |              |              |                    |
| <b><u>Somali Republic</u></b>                   |                    |              |              |              |                    |
| Livestock Development                           | 6490108            |              |              | 800          | 1b                 |
| Comprehensive Groundwater Development           | 6490104            |              | 500          | 1000         | 1c                 |
| <b><u>Cameroon</u></b>                          |                    |              |              |              |                    |
| Mandara Area Wells                              | 6310025            |              |              | 450          | 1c                 |
| <b><u>Chad</u></b>                              |                    |              |              |              |                    |
| Acacia Albida Expansion                         | 6770008            | 375          |              |              | 1c                 |
| <b><u>African Regional - Sahel</u></b>          |                    |              |              |              |                    |
| Tarrafal Water Resources                        | 6550003            | 900          |              |              | 1b                 |
| Subtotal  |                    | 1,275        | 500          | 2,250        |                    |
| <b><u>ASIA</u></b>                              |                    |              |              |              |                    |
| <b><u>Nepal</u></b>                             |                    |              |              |              |                    |
| Resource Conservation and Utilization           | 3670132            |              |              | 3300         | 1c                 |
| Agriculture Resource Inventory - Nepal          | 3670134            |              | 1000         | 1000         | 2a                 |
| <b><u>Philippines</u></b>                       |                    |              |              |              |                    |
| Rural Electrification V                         | 4920321            | 8400         |              |              | 1c                 |
| <b><u>Pakistan</u></b>                          |                    |              |              |              |                    |
| Water Management Research                       | 3910447            |              | 1000         | 1000         | 1d                 |
| <b><u>Indonesia</u></b>                         |                    |              |              |              |                    |
| Soil Conservation Program                       | 4970311            |              |              | 9000         | 2a                 |
| Subtotal  |                    | 8,400        | 2000         | 13,300       |                    |
| <b><u>NEAR EAST</u></b>                         |                    |              |              |              |                    |
| <b><u>Yemen</u></b>                             |                    |              |              |              |                    |
| Water Survey of North Yemen                     | 2790025            | 500          |              |              | 1b                 |
| Subtotal  |                    | 500          |              |              |                    |
| <b><u>LATIN AMERICA</u></b>                     |                    |              |              |              |                    |
| <b><u>Bolivia</u></b>                           |                    |              |              |              |                    |
| Conservation and Environmental Protection I     | 5110509            |              | 500          | 500          | 1b                 |
| <b><u>El Salvador</u></b>                       |                    |              |              |              |                    |
| Environmental Improvement                       | 5190214            |              | 100          | 285          | 1b                 |

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|---|--------------------|---------------|--------------|---------------|--------------------|
| <u>Haiti</u>  |                    |               |              |               |                    |
| Water Resource Development (La Goyave)              | 5210101            | 100           | 200          | 190           | 1b                 |
| <u>Honduras</u>                                     |                    |               |              |               |                    |
| Water Resources Management                          | 5220134            | 300           |              |               | 1b                 |
| Water Resources Management                          | 5220136            |               | 2000         |               | 1b                 |
| <u>Latin America Regional</u>                       |                    |               |              |               |                    |
| Remote Sensing                                      | 5980580            |               | 270          | 100           | 2a                 |
| Subtotal  |                    | 400           | 3,070        | 1,075         |                    |
| <u>INTERREGIONAL</u>                                |                    |               |              |               |                    |
| Pol, Ec, Soc Dimensions of/Nat Resource Degradation | 909P200            |               |              | 200           | 2b                 |
| Subtotal  |                    |               |              | 200           |                    |
| <b>TOTAL</b>  |                    | <b>10,575</b> | <b>5,570</b> | <b>16,825</b> |                    |

2.d. Rational management and utilization.

AFRICA

Kenya

National Range-Ranch Development

6150157

1082

681

998

1b

Tanzania

Masai Livestock & Range Management

6210093

655

490

1c

Cameroon

Satellite Application and Training

6310020

95

1c

Burundi

Land Use Survey

6950104

757

1b

Africa Regional - Sahel

Chad Range & Livestock Development

5770201

500

2a

Africa Regional

Regional Remote Sensing, Nairobi

6980414

750

540

1d

Regional Water Resources

6980XXX

265

2e

Subtotal

2,237

1,921

2,655

ASIA

Pakistan

On-farm Water Management

3910413

317

750

750

1b

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|---|--------------------|--------------|--------------|--------------|--------------------|
| <u>Sri Lanka</u>                            |                    |              |              |              |                    |
| Reforestation & Watershed Management        | 3830055            |              |              | 2000         | 1c                 |
| Water Management                            | 3830057            |              | 4200         |              | 1d                 |
| <u>Bangladesh</u>                           |                    |              |              |              |                    |
| Integrated Land and Water Use               | 3880040            |              |              | 5000         | 1c                 |
| Karnaphuli Third Hydroelectric Unit         | 3880018            |              | 7000         |              | 1c                 |
| Subtotal                                    |                    | 317          | 11,950       | 17,750       |                    |
| <u>NEAR EAST</u>                            |                    |              |              |              |                    |
| <u>Yemen Arab Republic</u>                  |                    |              |              |              |                    |
| Small Rural Water Projects                  | 2790044            |              | 1870         |              | 1b                 |
| Water Resources Planning and Management     | 2790043            |              | 1060         | 630          | 2a                 |
| <u>Syria</u>                                |                    |              |              |              |                    |
| Soils Survey/Land Classification            | 2760020            | 2200         | 1350         | 700          | 1b                 |
| <u>Jordan</u>                               |                    |              |              |              |                    |
| Potash Production                           | 2780222            |              | 33000        |              | 1b                 |
| Maqarin Dam/Jordan Valley Irrigation System | 2780225            |              | 50000        | 50000        | 1b                 |
| Water and Sewerage-Zarqa                    | 2780234            |              |              | 12000        | 1b                 |
| Water and Sewerage-Irbid                    | 2780233            |              |              | 15000        | 1b                 |
| <u>Egypt</u>                                |                    |              |              |              |                    |
| Water Use Management                        | 0017               | 1500         | 1500         | 1700         | 1c                 |
| <u>Morocco</u>                              |                    |              |              |              |                    |
| Range Management Improvement                | 6080145            |              | 300          | 376          | 2a                 |
| Subtotal                                    |                    | 3,700        | 89,080       | 80,406       |                    |
| <u>LATIN AMERICA</u>                        |                    |              |              |              |                    |
| <u>El Salvador</u>                          |                    |              |              |              |                    |
| Small Farm Natural Resources Management     | 5190217            |              | 155          | 125          | 1b                 |
| <u>Haiti</u>                                |                    |              |              |              |                    |
| Integrated Resources Management             | 5210096            |              | 1266         | 549          | 1b                 |
| <u>Dominican Republic</u>                   |                    |              |              |              |                    |
| Natural Resources Management                | 5170126            |              |              | 3000         | 2a                 |
| Subtotal                                    |                    |              | 1,421        | 3,674        |                    |
| <u>INTERREGIONAL</u>                        |                    |              |              |              |                    |
| Water Management Synthesis                  | 0211007            | 1000         |              | 710          | 1c                 |

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|--|--------------------|--------------|--------------|--------------|--------------------|
| Tropical Soils Utilization                         | 0214029            |              | 460          |              | 1d                 |
| Remote Sensing Resource Assessment                 | 0321156            | 1740         | 500          |              | 1d                 |
| Inst. Factors in National Energy Planning          | 0352534            |              | 200          | 200          | 2b                 |
| Trop. Soils/Biological Nitrogen Fixation-Cornell   | 0210127            |              | 250          |              | 2b                 |
| Tropical Soils - Puerto Rico                       | 0210128            |              | 240          |              | 2b                 |
| Trop. Soils/Biological Nitrogen Fixation-Hawaii    | 0210129            |              | 250          |              | 2b                 |
| Tropical Soils/Biological Nitrogen Fixation        | 0210130            |              | 240          |              | 2b                 |
| Benchmark Soils - Puerto Rico                      | 0210601            | 212          |              | 400          | 2b                 |
| Rural Development                                  | 0210139            |              | 200          |              | 2d                 |
| Arid Land Information                              | 0321027            | 120          | 60           |              | 2d                 |
| Energy/Natural Resources Expanded Information Base | 0321209            |              | 1290         |              | 2d                 |
| Man and Biosphere II                               | 0325500            |              |              | 1350         | 2d                 |
| LDC Forest Resources                               | 0325502            |              |              | 750          | 2d                 |
| Subtotal   |                    | 3,072        | 3,690        | 3,410        |                    |
| TOTAL  |                    | 9,326        | 108,062      | 97,895       |                    |

3. Health, Human Settlements, and Environment.  
a. Medicinal plants and pharmaceuticals.  
Subtotal

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ASIA

Indonesia

|                               |         |       |        |       |    |
|-------------------------------|---------|-------|--------|-------|----|
| Oral Contraceptives           | 4970271 | 7000  | 7000   | 8000  | 1a |
| Expanded Program Immunization | 4970253 |       | 12000  |       | 1b |
| Subtotal                      |         | 7,000 | 19,000 | 8,000 |    |

INTERREGIONAL

|                                  |         |       |        |        |    |
|----------------------------------|---------|-------|--------|--------|----|
| Malaria Immunity and Vaccination | 0420453 | 1352  | 1566   | 2276   | 2b |
| Subtotal                         |         | 1,352 | 1,566  | 2,276  |    |
| TOTAL                            |         | 8,352 | 20,566 | 10,276 |    |

of

3.b. Health services.

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|--|--------------------|--------------|--------------|--------------|--------------------|
| <b>AFRICA</b>                                  |                    |              |              |              |                    |
| <u>Kenya</u>                                   |                    |              |              |              |                    |
| Family Planning                                | 6150161            | 500          | 124          |              |                    |
| Rural Blindness - International Eye Foundation | 6150173            | 390          |              |              | 1b                 |
| Rural Health Delivery                          | 6150177            |              | 4700         | 5750         | 1b                 |
| <u>Tanzania</u>                                |                    |              |              |              |                    |
| Manpower Training Program for MCH Aides        | 6210121            | 1667         | 1681         | 770          | 1b                 |
| <u>Cameroon</u>                                |                    |              |              |              |                    |
| Cameroon Reproductive Health                   | 6310021            |              | 800          | 200          | 1b                 |
| University Center for Health Services          | 6310531            | 1717         |              |              | 1b                 |
| Medical System for Cameroon                    | 6310016            |              | 1500         | 2200         | 1c                 |
| <u>Ghana</u>                                   |                    |              |              |              |                    |
| Management Rural Health Services               | 6410068            | 866          |              |              | 1b                 |
| Danfa Rural Health Family Planning             | 6410055            | 595          |              |              | 2a                 |
| Delivery Rural Health Services                 | 6410082            |              |              | 750          | 2a                 |
| <u>Somali Republic</u>                         |                    |              |              |              |                    |
| Tsetse Fly Eradication                         | 6490105            |              |              | 400          | 1c                 |
| Rural Health Service                           | 6490102            |              | 1500         | 2900         | 1c                 |
| <u>Sudan</u>                                   |                    |              |              |              |                    |
| North Sudan Primary Health Care                | 6500011            | 1900         | 2700         | 1100         | 1b                 |
| South Sudan Primary Health Care                | 6500019            | 1500         | 430          | 400          | 1b                 |
| Health Sector                                  | 6500030            |              | 3000         |              | 1b                 |
| <u>Zaire</u>                                   |                    |              |              |              |                    |
| Area Schistosomiasis Control                   | 6600084            |              |              | 600          | 1b                 |
| Endemic and Communicable Disease Control       | 6600058            |              | 300          | 500          | 1c                 |
| Basic Family Health Services                   | 6600067            |              |              | 850          | 2b                 |
| <u>Liberia</u>                                 |                    |              |              |              |                    |
| Integrated Rural Health System                 | 6690129            | 195          | 2531         | 900          | 1b                 |
| Health Management Planning                     | 6690126            | 200          | 365          | 220          | 1b                 |
| Lofa Country Rural Health                      | 6690125            | 615          |              |              | 2a                 |
| <u>Central African Empire</u>                  |                    |              |              |              |                    |
| Ouham Province Rural Health                    | 6760002            | 435          |              | 658          | 2a                 |

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|---|--------------------|--------------|--------------|--------------|--------------------|
| <b>Benin (Dahomey)</b>                        |                    |              |              |              |                    |
| Benin Rural Water Supply                      | 6800201            |              | 1000         | 990          | 1c                 |
| Maternal/Child Health Training Centers        | 6800203            |              |              | 600          | 2a                 |
| <b>Togo</b>                                   |                    |              |              |              |                    |
| Integrated Rural Health Service Delivery      | 6930217            | 200          |              |              | 1b                 |
| Togo Family Health                            | 6930212            | 678          |              |              | 1b                 |
| Rural Water Supplies/Environmental Sanitation | 6930210            |              | 1000         | 1000         | 1c                 |
| <b>Rwanda</b>                                 |                    |              |              |              |                    |
| Rural Health/Family Planning                  | 6960133            |              |              | 2640         | 1c                 |
| <b>Senegal</b>                                |                    |              |              |              |                    |
| Family Planning                               | 6850217            | 164          |              |              | 2a                 |
| <b>African Regional - Sahel</b>               |                    |              |              |              |                    |
| Rural Health Improvement                      | 6830208            | 2000         |              |              | 1b                 |
| Basic Health Delivery Services-(Africare)     | 6830214            | 800          |              |              | 1b                 |
| Rural Health Services Development             | 5880208            | 735          |              |              | 1b                 |
| Rural Health Services Development             | 6850210            | 1000         |              |              | 1c                 |
| Rural Health Planning and Management          | 6770004            | 411          |              |              | 2a                 |
| <b>Africa Regional</b>                        |                    |              |              |              |                    |
| Regional Onchocerciasis-Free Area Planning    | 6980416            | 1092         | 1150         | 1000         | 1b                 |
| Maternal and Child Health Extension           | 6980358            | 412          |              |              | 1b                 |
| MCH/Family Planning/Nutrition                 | 6980392            | 420          |              |              | 1b                 |
| Strengthening Health Delivery Systems II      | 6980398            | 2365         | 3000         | 3500         | 1b                 |
| Health Constraints to Rural Production        | 6980408            |              | 500          | 1200         | 1b                 |
| Maternal Child Health/Extension               | 6970358            | 200          |              |              | 1c                 |
| Endemic & Communicable Disease Control        | 69800XX            |              |              | 5000         | 1d                 |
| Family Planning Health Initiatives            | 6980662            |              | 4674         | 2050         | 2a                 |
| Health Institutions Improvement               | 6980412            | 700          | 1000         | 1000         | 2b                 |
| Onchocerciasis Control - Volta River Basin    | 6980399            | 2000         | 1700         | 1700         | 3                  |
| Subtotal                                      |                    | 23,757       | 33,655       | 39,518       |                    |
| <b>ASIA</b>                                   |                    |              |              |              |                    |
| <b>Nepal</b>                                  |                    |              |              |              |                    |
| Rural Area Development - Rapati Zone          | 3670129            |              |              | 3600         | 1c                 |
| Integrated Rural Health/FP Services           | 3670135            |              |              | 3000         | 1c                 |
| Integrated Health Services                    | 3670126            | 685          | 2125         |              | 2a                 |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| <u>India</u>                              |                    |              |              |              |                    |
| Malaria Control                           | 3860455            | 28000        | 10000        | 23000        | 1c                 |
| Integrated Rural Health Support           | 3860468            |              |              | 6000         | 2a                 |
| <u>Indonesia</u>                          |                    |              |              |              |                    |
| Family Planning Development & Services    | 4970270            | 4180         | 5190         | 6500         | 1a                 |
| Health Training, Research and Development | 4970273            | 600          | 1000         | 850          | 1b                 |
| <u>Bangladesh</u>                         |                    |              |              |              |                    |
| Family Welfare Centers                    | 3880038            |              |              | 1000         | 1b                 |
| <u>Pakistan</u>                           |                    |              |              |              |                    |
| Malaria Control                           | 3910424            |              |              | 5000         | 1b                 |
| Population Research & Development         | 3910411            |              | 500          | 300          | 1d                 |
| Population Planning                       | 3910434            |              |              | 3500         | 2a                 |
| <u>Philippines</u>                        |                    |              |              |              |                    |
| Local Water Development I                 | 4920309            | 500          | 500          |              | 1b                 |
| Unified Services for Health-Panay Island  | 4920312            | 5716         |              |              | 1b                 |
| Barangay Water Systems II                 | 4920333            |              |              | 8387         | 1b                 |
| Barangay Water I                          | 4920291            | 3184         |              |              | 2a                 |
| <u>Thailand</u>                           |                    |              |              |              |                    |
| Malaria and Vector Control                | 4930305            |              | 4500         |              | 1b                 |
| Rural Primary Health                      | 4930291            | 5500         |              |              | 1c                 |
| <u>Sri Lanka</u>                          |                    |              |              |              |                    |
| Malaria Control                           | 3830043            | 7000         |              | 4000         | 1d                 |
| <u>Asia Regional</u>                      |                    |              |              |              |                    |
| Cholera Research                          | 4980020            | 1900         |              |              | 1d                 |
| Subtotal                                  |                    | 57,265       | 23,815       | 65,077       |                    |
| <u>NEAR EAST</u>                          |                    |              |              |              |                    |
| <u>Afghanistan</u>                        |                    |              |              |              |                    |
| Afghan Family Guidance Association        | 3060139            | 101          | 340          | 444          | 1b                 |
| Expanded Health/Family Planning           | 3060173            |              |              | 688          | 1b                 |
| Basic Health Services                     | 3060144            | 1080         | 4200         | 5000         | 1b                 |
| <u>Tunisia</u>                            |                    |              |              |              |                    |
| Rural Community Health                    | 6640296            | 680          | 320          |              | 1c                 |
| Silliana Rural Centers Water Systems      | 6640318            | 3500         |              |              | 1c                 |

|                                     | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|-------------------------------------|--------------------|--------------|--------------|--------------|--------------------|
| <u>Egypt</u>                        |                    |              |              |              |                    |
| Strengthening Rural Health Delivery | 2630065            | 1800         | 1000         | 1800         | 1b                 |
| Urban Low Cost Health Delivery      | 2630065            | 2000         | 12000        | 1000         | 1b                 |
| Canal Cities Water & Sewage         | 2630048            | 48500        |              | 40000        | 1b                 |
| Cairo Sewage III                    | 2630091            | 25000        | 19000        | 50000        | 1b                 |
| Alexandria Sewage                   | 2630038            |              | 50000        | 50000        | 1b                 |
| Provincial Water                    | 2630073            |              |              | 60000        | 1b                 |
| <u>Syria</u>                        |                    |              |              |              |                    |
| Health Centers                      | 2760034            |              |              | 7500         | 1b                 |
| <u>Morocco</u>                      |                    |              |              |              |                    |
| Rural Potable Water                 | 6080150            |              |              | 751          | 1d                 |
| Rural Health Outreach               | 6080151            |              |              | 1000         | 2a                 |
| <u>Jordan</u>                       |                    |              |              |              |                    |
| Health Information Systems          | 2780226            |              |              | 500          | 2a                 |
| <u>Near East Regional</u>           |                    |              |              |              |                    |
| PVOs                                | 2980036            |              | 250          | 700          | 1b                 |
| Subtotal                            |                    | 82,751       | 87,110       | 219,385      |                    |
| <u>LATIN AMERICA</u>                |                    |              |              |              |                    |
| <u>Guyana</u>                       |                    |              |              |              |                    |
| Rural Health Systems                | 5040066            |              | 4350         |              | 1b                 |
| Leprosy Control Program             | 5040067            | 126          | 68           | 56           | 2a                 |
| <u>Bolivia</u>                      |                    |              |              |              |                    |
| National Nutrition Improvement      | 5110484            |              |              | 8300         | 1b                 |
| Rural Potable Water-(CARE)          | 5110495            |              | 100          | 100          | 1b                 |
| Rural health Delivery Services      | 5110453            | 230          |              |              | 1c                 |
| Rural Health Delivery Systems       | 5110483            |              | 10900        | 900          | 2a                 |
| <u>Dominican Republic</u>           |                    |              |              |              |                    |
| Health Sector Development           | 5170107            | 140          |              |              | 1b                 |
| Health Sector II                    | 5170120            |              | 8000         |              | 1c                 |
| <u>El Salvador</u>                  |                    |              |              |              |                    |
| Rural Health Delivery System        | 5190179            | 521          |              |              | 1b                 |
| Rural Health Improvement            | 5190193            |              | 450          |              | 1b                 |
| Rural Health Improvement            | 5190218            |              |              | 4500         | 1b                 |
| Nutrition Improvement               | 5190182            | 114          | 200          | 161          | 2a                 |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| <u>Family Planning and Population</u>             |                    |              |              |              |                    |
| <u>Guatemala</u>                                  | 5190149            | 811          | 756          |              | 2a                 |
| Evaluation of Rural Health Care Delivery System   | 5200230            | 156          | 123          |              | 1b                 |
| <u>Haiti</u>                                      |                    |              |              |              |                    |
| Strengthening Health Services II                  | 5210086            | 425          |              |              | 1b                 |
| Potable Water Phase II-(CARE)                     | 521CP00            | 101          |              |              | 1c                 |
| Rural Health Delivery System                      | 5210091            |              | 5152         | 2373         | 2a                 |
| Intersectoral Nutrition Development               | 5210099            |              | 600          | 850          | 2a                 |
| <u>Honduras</u>                                   |                    |              |              |              |                    |
| Health Sector I                                   | 5220153            |              |              | 6000         | 1b                 |
| Integrated Rural Health Services                  | 5220130            | 268          | 360          | 590          | 1b                 |
| Village Water System (CARE)                       | 5220152            |              | 120          |              | 1b                 |
| Health Sector Planning                            | 5220148            |              | 475          |              | 1b                 |
| Intersectoral Nutrition Development               | 5210099            |              | 600          | 850          | 2a                 |
| <u>Nicaragua</u>                                  |                    |              |              |              |                    |
| Family Planning Services                          | 5240139            | 510          | 509          |              | 1b                 |
| Family Planning-MCH Urban Promoters               | 5240167            |              |              | 379          | 1b                 |
| Rural Health Institutional Development            | 5240114            | 190          |              |              | 1c                 |
| <u>Panama</u>                                     |                    |              |              |              |                    |
| Population  | 5250142            | 309          |              |              | 1b                 |
| Population II                                     | 5250204            |              | 495          | 510          | 1b                 |
| <u>Peru</u>                                       |                    |              |              |              |                    |
| National Responsible Parenthood                   | 5270160            |              | 100          | 100          | 1b                 |
| Health Services in Central Sierra                 | 5270198            |              |              | 7500         | 1b                 |
| Rural Water Health Services                       | 5270177            | 230          |              |              | 1c                 |
| Trng. Info. & Applied Res. Fertility Reg.         | 5270203            |              |              | 243          | 2a                 |
| Health Sector Planning, Mgt. & Info. Dev          | 4270183            |              | 465          |              | 2a                 |
| <u>Jamaica</u>                                    |                    |              |              |              |                    |
| Health and Nutrition Sector Development           | 5320064            |              |              | 4750         | 1b                 |
| <u>Other West Indies-Eastern Caribbean Region</u> |                    |              |              |              |                    |
| Community Water Supply and Sanitation             | 5330020            |              | 1000         | 800          | 1b                 |
| Environmental Health Management                   | 538EH00            |              |              | 500          | 1b                 |
| Subtotal  |                    | 4,131        | 34,823       | 39,462       |                    |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| <b><u>INTERREGIONAL</u></b>                     |                    |              |              |              |                    |
| Health Impact-Non Sector Activities             | 0421014            |              | 165          |              | 1a                 |
| Inst. Development - (Int'l. Eye Foundation)     | 9030024            | 300          | 300          | 225          | 1b                 |
| Consortia - Nat. Council of Int'l. Health       | 9030034            | 350          | 144          | 350          | 1b                 |
| Medex Phase II                                  | 0420235            | 221          |              |              | 1b                 |
| Johns Hopkins Prog Intl Ed in Gyn. & Obstetrics | 0430604            | 6670         | 3500         | 7700         | 1b                 |
| Fertility Impact: Open Research                 | 0430632            | 2034         | 6185         | 6700         | 1b                 |
| Awareness of Population Impact                  | 0430637            | 375          | 300          | 200          | 1b                 |
| Family Planning Training Paramed/Auxil          | 0430644            | 4300         | 4785         | 5200         | 1b                 |
| Population/Development Plan                     | 0430655            |              | 2000         | 1000         | 1b                 |
| Demographic Data Collection - Africa            | 0430658            |              | 750          | 500          | 1b                 |
| Population Information Program (PIP I)          | 0430659            | 1141         | 1300         | 1730         | 1b                 |
| Population Field Information Service            | 0430660            | 1000         | 1000         | 1300         | 1b                 |
| USA - John Hopkins University                   | 0430916            | 450          | 500          | 500          | 1b                 |
| Association of Voluntary Sterilization          | 0430968            | 7500         | 7600         | 10680        | 1b                 |
| Family Planning Thru Home Economy               | 0430980            | 500          | 600          | 600          | 1b                 |
| Pathfinder                                      | 0430807            | 5000         | 6300         | 7000         | 1c                 |
| International Planned Parenthood Federation     | 0430838            | 14401        | 13125        | 13200        | 1c                 |
| Mass Media/Health                               | 0411018            | 1205         | 250          | 1100         | 1b                 |
| Open Research Family Planning Programs          | 0430855            | 1809         | 1400         | 1700         | 1c                 |
| Population Council                              | 0430863            | 1543         | 1000         | 1000         | 1b                 |
| American Public Health Association              | 0430877            | 611          | 700          | 800          | 1b                 |
| Family Planning International Assistance        | 0430955            | 9600         | 15400        | 16000        | 1c                 |
| Tropical Disease Research                       | 0421126            | 800          | 1000         | 4000         | 1d                 |
| International Fertility Research Program        | 0430537            | 4800         | 4500         | 4800         | 1d                 |
| Alternative Malaria Approaches                  | 0421058            | 235          |              |              | 2a                 |
| Side Effects                                    | 0430541            | 225          | 260          | 260          | 2b                 |
| Program for Applied Research on                 | 0430546            | 900          | 1100         | 1500         | 2b                 |
| Fertility Regulations                           |                    |              |              |              |                    |
| Simplification of Technical Fertility Control   | 0430548            | 350          | 400          | 510          | 2b                 |
| Biomedical Research                             | 0430631            |              | 750          | 900          | 2b                 |
| Population Policy Analysis                      | 0430635            | 1400         | 2200         | 3200         | 2b                 |
| Fertility Determination Policy Studies          | 0430643            |              | 1600         | 2500         | 2b                 |
| Compilation/Analysis Population Data            | 0430649            | 1600         | 1700         | 1050         | 2b                 |

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|---|--------------------|--------------|--------------|--------------|--------------------|
| Alternative Policy to Promote Village Health                                | 909VH00            |              |              | 400          | 2b                 |
| Anti Schistosomiasis Drug Test  | 0420642            | 644          |              |              | 2b                 |
| Combatting Iron Deficiency Anemia   | 0230227            | 650          | 300          | 600          | 2c                 |
| Training Family Planning Managers   | 0430627            | 389          | 500          | 500          | 2c                 |
| Demographic Data Collection - Asia  | 0430648            | 750          | 900          | 700          | 2c                 |
| Medex - Primary Health Care Systems   | 0421180            | 955          | 1110         | 1000         | 2c                 |
| International Center for Health Research                                    | 0421012            |              | 1400         | 1900         | 2d                 |
| Development and Evaluation of Integrated Health Delivery Systems (Thailand) | 042T971            | 1266         |              |              | 2d                 |
| Development and Evaluation of Integrated Health Delivery Systems            | 0420971            | 1504         | 1572         |              | 2d                 |
| Predictive Sanitation Model   | 0421059            | 400          |              |              |                    |
| U.N. Fund for Population Activities   | 043UN00            | 28000        | 32000        | 34000        | 2e                 |
| World Fertility Survey  | 0430547            | 4900         | 3300         | 3000         | 3                  |
| Legal/Administration Obstacles  | 0430646            |              | 400          |              | 3                  |
| Subtotal  |                    | 108,772      | 122,296      | 138,315      |                    |
| TOTAL   |                    | 276,676      | 301,699      | 501,755      |                    |

3.c. Housing.

LATIN AMERICA

Costa Rica

Urban Development

Subtotal

5150153

5500  
5,500

1b

INTERREGIONAL

Human Settlements in New Land

Foundation for Cooperative Housing

Ultra Low Cost Shelter

Subtotal

TOTAL

0245305

0330006

0340221

700  
95  
795  
6,295

150  
75  
225  
225

250  
250  
250

1d  
2b  
2b

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|--|--------------------|--------------|--------------|--------------|--------------------|
| <b>3.d. Social services and environment.</b> |                    |              |              |              |                    |
| <u>AFRICA</u>                                |                    |              |              |              |                    |
| <u>Kenya</u>                                 |                    |              |              |              |                    |
| Population Studies and Research Center       | 6150165            | 570          | 470          | 216          | 2a                 |
| <u>Tanzania</u>                              |                    |              |              |              |                    |
| School Health Program                        | 6210150            |              | 700          | 659          | 1c                 |
| <u>Cameroon</u>                              |                    |              |              |              |                    |
| North Cameroon Community Development         | 6310010            |              | 209          |              | 1c                 |
| Rural Health Education                       | 6310201            |              |              | 111          | 1c                 |
| <u>Ghana</u>                                 |                    |              |              |              |                    |
| Population Program Support                   | 6410064            | 475          |              |              | 1b                 |
| District Planning & Rural Development        | 6410073            |              | 1500         | 800          | 1b                 |
| Population Planning and Rural Development    | 6410098            |              | 360          | 600          | 1c                 |
| <u>Ethiopia</u>                              |                    |              |              |              |                    |
| Population, Education and Training           | 6630194            | 200          | 300          | 530          | 1b                 |
| Upper Didesa Development                     | 6630179            | 2000         | 500          | 700          | 1c                 |
| <u>Africa Regional - Sahel</u>               |                    |              |              |              |                    |
| Non Formal Education/Women in Sahel          | 6860226            | 715          |              |              | 1c                 |
| Rural Works                                  | 6880204            | 600          |              |              | 1c                 |
| Subtotal                                     |                    | 4560         | 4039         | 3616         |                    |
| <u>ASIA</u>                                  |                    |              |              |              |                    |
| <u>Nepal</u>                                 |                    |              |              |              |                    |
| Population/Family Planning                   | 3670096            | 1153         | 2260         |              | 1b                 |
| Population Policy Development                | 3670130            |              | 1911         |              | 2a                 |
| <u>Bangladesh</u>                            |                    |              |              |              |                    |
| Population/Family Planning                   | 3880001            | 7810         | 6500         | 11800        | 1b                 |
| Flood and Cyclone Warning System             | 3880046            |              |              | 5000         | 1b                 |
| <u>Pakistan</u>                              |                    |              |              |              |                    |
| Rural Clean Water I                          | 3910406            |              | 8147         |              | 1c                 |
| <u>Thailand</u>                              |                    |              |              |              |                    |
| Population Planning                          | 4930283            | 1992         | 2700         | 2280         | 1c                 |

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|--|--------------------|--------------|--------------|--------------|--------------------|
| <u>Asia Regional</u>                             |                    |              |              |              |                    |
| Applied Res. & Trng. in Health, Pop. & Nutrition | 498AP00            |              | 358          | 500          | 1b                 |
| Subtotal   |                    | 10,955       | 23,876       | 19,580       |                    |
| <u>NEAR EAST</u>                                 |                    |              |              |              |                    |
| <u>Yemen Arab Republic</u>                       |                    |              |              |              |                    |
| Water Supply Systems Management                  | 2790028            | 1580         | 200          | 635          | 1b                 |
| Local Resources for Development                  | 2790045            |              | 1710         | 2260         | 2a                 |
| <u>Tunisia</u>                                   |                    |              |              |              |                    |
| Family Planning Service                          | 6640295            | 1549         | 1641         | 1615         | 1c                 |
| <u>Morocco</u>                                   |                    |              |              |              |                    |
| Family Planning Support                          | 6080112            | 706          | 1974         | 2920         | 1b                 |
| <u>Egypt</u>                                     |                    |              |              |              |                    |
| Family Planning                                  | 2630029            | 4000         | 6500         | 7000         | 1b                 |
| Basic Village Services                           | 2630103            |              |              | 2300         | 1b                 |
| <u>Jordan</u>                                    |                    |              |              |              |                    |
| Water and Sewerage-Amman City                    | 2780220            | 28500        | 10500        |              | 1b                 |
| Sewerage-Aquaba City                             | 2780206            |              | 7500         |              | 1b                 |
| Subtotal   |                    | 36,335       | 30,025       | 16,730       |                    |
| <u>LATIN AMERICA</u>                             |                    |              |              |              |                    |
| <u>Guyana</u>                                    |                    |              |              |              |                    |
| Weaning Foods Development                        | 5040073            | 275          | 115          | 90           | 1b                 |
| Rural Community Development                      | 5040074            |              |              | 290          | 1c                 |
| <u>Bolivia</u>                                   |                    |              |              |              |                    |
| Rural Water Systems-(CARE)                       | 5110479            |              | 150          |              | 1c                 |
| Rural Sanitation                                 | 5110458            | 100          | 45           | 100          | 2a                 |
| <u>Costa Rica</u>                                |                    |              |              |              |                    |
| Agrarian Restructuring                           | 5150148            |              |              | 6000         | 1c                 |
| <u>Ecuador</u>                                   |                    |              |              |              |                    |
| Community Based Distribution of Contraceptives   | 5180014            |              |              | 500          | 1b                 |
| <u>El Salvador</u>                               |                    |              |              |              |                    |
| Population Dynamics                              | 5190210            |              |              | 893          | 1b                 |
| Integrated Rural Development                     | 5190215            |              | 150          | 150          | 1c                 |
| Development of Rural Community Services          | 5190195            |              | 200          | 200          | 1c                 |

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|---|--------------------|--------------|--------------|--------------|--------------------|
| <u>Guatemala</u>  |                    |              |              |              |                    |
| Population and Family Planning                            | 5200237            | 400          | 360          |              | 1c                 |
| Integrated Family Planning Services                       | 5200263            |              |              | 600          | 1c                 |
| <u>Haiti</u>  |                    |              |              |              |                    |
| Rural Small Enterprises                                   | 5210098            |              | 500          | 818          | 1c                 |
| Rural Community Development (Hacho)                       | 5210061            | 400          | 204          |              | 2a                 |
| Maternal Child Health/Family Planning II                  | 5210087            | 975          | 1462         | 1618         | 2a                 |
| Disaster Preparedness                                     | 5210082            |              | 150          | 165          | 2a                 |
| Development Research and Studies                          | 5210100            |              | 385          | 425          | 1a                 |
| <u>Paraguay</u>   |                    |              |              |              |                    |
| Market Town Development                                   | 5260112            |              |              | 200          | 1b                 |
| Population II   | 5260305            |              | 532          | 496          | 1b                 |
| Population  | 5260085            | 194          |              |              | 2a                 |
| <u>Peru</u>   |                    |              |              |              |                    |
| Family Centers in Pueblos Jovenes, Lima                   | 5270185            |              | 50           | 100          | 1b                 |
| Rural Enterprises II                                      | 5270176            |              | 5000         |              | 1c                 |
| <u>Jamaica</u>  |                    |              |              |              |                    |
| Family Planning Services                                  | 5320041            | 560          | 879          | 877          | 2a                 |
| <u>Regional Office Central America &amp; Panama-ROCAP</u> |                    |              |              |              |                    |
| Nutrition Programs  | 5960065            | 500          | 480          |              | 1b                 |
| <u>Latin America Regional</u>                             |                    |              |              |              |                    |
| Appropriate Technology for Rural Women                    | 5980600            |              | 182          | 112          | 1c                 |
| Subtotal  |                    | 3,404        | 10,844       | 13,634       |                    |
| <u>INTERREGIONAL</u>                                      |                    |              |              |              |                    |
| Measuring Demographic Change                              | 0430621            | 836          | 900          | 700          | 1b                 |
| Birth/Death Data Collection                               | 0430623            | 799          | 800          | 1000         | 1b                 |
| Strengthening Population Information                      | 0430638            | 518          | 600          | 500          | 1b                 |
| Worldwide Family Planning Training                        | 0430551            | 450          | 450          | 450          | 1b                 |
| Matching (CDF)  | 9030004            | 750          |              | 1000         | 1c                 |
| Fertility Determination of Consequences                   | 0430616            | 1490         |              |              | 1d                 |
| Prolongation Lactational Infertility                      | 0430629            |              | 225          |              | 1d                 |
| International Training - Disaster Preparedness            | 9020002            | 350          | 2505         | 3105         | 2c                 |
| Disaster-Related Applied Research                         | 9020003            | 600          | 985          | 1315         | 2b                 |
| Fertility Impact of Development                           | 9300068            | 845          | 1500         | 1000         | 2b                 |

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|--------------------------|--------------------|--------------|--------------|--------------|--------------------|
| 1980 Census              | 0430622            | 1383         | 1430         | 1150         | 2c                 |
| Family Planning Seminars | 0430652            | 100          | 200          |              | 2c                 |
| Subtotal                 |                    | 7,371        | 10,345       | 10,220       |                    |
| TOTAL                    |                    | 62,625       | 79,129       | 63,780       |                    |

#### 4. Transportation and Communications.

##### AFRICA

###### Kenya

Rural Roads Systems

6150168 500 500 348 1b

###### Tanzania

Arusha Regional Planning Village Development

6210143 6834 1577 4353 1b

Rural Access Roads

6210148 1500 3905 1b

###### Cameroon

Transcameroon Railroad III

6310011 7500 1b

###### Sierra Leone

Rural Roads II-(CARE)

6360111 1800 1141 1050 1b

###### Ethiopia

Rural Roads

6630182 6100 1b

Drought Recovery & Rehabilitation

6630187 150 1b

###### Africa Regional - Sahel

Rural Roads-Eastern Ord

6860215 823 1b

###### Africa Regional

LCBC Telecommunications

6250501 400 1c

LCBC Two Road Links

6250534 550 1c

Regional Transport Studies

6990005 1000 1c

Subtotal

18,407 10,818 10,806

##### ASIA

###### Nepal

Trail Suspension Bridges

3670119 2000 1b

Radio Education Teacher Training

3670123 604 1966 2a

###### Bangladesh

Rural Roads

3880032 2000 12000 1b

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|--|--------------------|--------------|--------------|--------------|--------------------|
| <u>Philippines</u>                         |                    |              |              |              |                    |
| Rural Roads II                             | 4920297            | 7000         | 10617        |              | 1b                 |
| <u>Indonesia</u>                           |                    |              |              |              |                    |
| Feeder Roads Management I                  | 4970306            |              |              | 3000         | 1b                 |
| Educational Communications Development     | 4970296            |              | 1000         | 1309         | 2a                 |
| <u>Asia Regional</u>                       |                    |              |              |              |                    |
| Communications Technology Applications     | 4981140            | 400          |              |              | 1b                 |
| Subtotal                                   |                    | 8,004        | 17,583       | 16,300       |                    |
| <u>NEAR EAST</u>                           |                    |              |              |              |                    |
| <u>Egypt</u>                               |                    |              |              |              |                    |
| Suez Canal Port Development                | 2630047            |              | 30000        |              | 1b                 |
| Telecommunications                         | 2630075            |              |              | 40000        | 1b                 |
| Development Information Systems            | 2630063            | 1000         | 500          | 300          | 2a                 |
| Subtotal                                   |                    | 1,000        | 30,500       | 40,300       |                    |
| <u>LATIN AMERICA</u>                       |                    |              |              |              |                    |
| <u>Guyana</u>                              |                    |              |              |              |                    |
| Rural Roads                                | 5040068            |              | 600          | 300          | 1b                 |
| <u>Bolivia</u>                             |                    |              |              |              |                    |
| Rural Access Roads II                      | 5110466            | 13025        | 275          |              | 1b                 |
| Low-Cost Penetration Roads - Oscar Area    | 5110475            | 150          | 153          | 150          | 1c                 |
| <u>Guatemala</u>                           |                    |              |              |              |                    |
| Basic Rural Education                      | 5290228            | 200          | 100          |              | 1b                 |
| <u>Panama</u>                              |                    |              |              |              |                    |
| Access Roads                               | 5250192            | 10000        |              |              | 1b                 |
| <u>Latin America Regional</u>              |                    |              |              |              |                    |
| Economics of Education Studies             | 5980567            | 155          |              |              | 1b                 |
| Communications and Technology Applications | 5980581            |              | 500          | 300          | 1d                 |
| Experimental Radio Education               | 5980556            | 200          |              | 250          | 2a                 |
| Radio Schools of Latin America             | 5980558            | 200          |              |              | 2a                 |
| Education Media for the Integ. of Women    | 5980574            | 200          | 250          | 210          | 2a                 |
| Subtotal                                   |                    | 24,130       | 1,878        | 1,210        |                    |
| <u>INTERREGIONAL</u>                       |                    |              |              |              |                    |
| Transportation Technology Supply Services  | 0341116            |              | 200          |              | 1a                 |
| Communications Technology Applications     | 0411140            |              | 500          |              | 2a                 |

|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|--|--------------------|--------------|--------------|--------------|--------------------|
| INTELSTAT  | 9021181            |              | 1200         | 5000         |                    |
| Low Cost Communications                                      | 0410153            | 180          |              |              | 2b                 |
| Communication Technology Studies                             | 0411109            | 771          | 300          | 620          | 2b                 |
| Subtotal   |                    | 951          | 2200         | 5,620        | 1c                 |
| TOTAL  |                    | 52,492       | 62,979       | 74,236       |                    |
| 5. Industrialization, including production of capital goods. |                    |              |              |              |                    |
| <u>ASIA</u>  |                    |              |              |              |                    |
| <u>Bangladesh</u>  |                    |              |              |              |                    |
| Rural Industries   | 3880042            |              |              | 5000         | 1a                 |
| Subtotal   |                    |              |              | 5,000        |                    |
| <u>NEAR EAST</u>   |                    |              |              |              |                    |
| <u>Egypt</u>   |                    |              |              |              |                    |
| Private Sector Development                                   | 2630078            |              | 1000         | 1500         | 1a                 |
| Middle Management Education Program                          | 2630090            |              | 1000         | 1000         | 1a                 |
| Investment Services Advisory Center                          | 2630092            |              | 500          | 1000         | 1a                 |
| Rural Employment Generation                                  | 2630104            |              |              | 2000         | 1a                 |
| Industrial Production  | 2630101            | 50000        |              | 25000        | 1b                 |
| Flat Glass   | 2630053            |              | 30000        |              | 1b                 |
| Edfu Pulp & Paper Mill                                       | 2630058            |              | 70000        |              | 1b                 |
| Suez Free Zones  | 2630093            |              | 10000        |              | 1b                 |
| Lake Quarun Chemical   | 2630085            |              |              | 22000        | 1b                 |
| Subtotal   |                    | 50,000       | 112,500      | 52,500       | 1c                 |
| <u>LATIN AMERICA</u>   |                    |              |              |              |                    |
| <u>Ecuador</u>   |                    |              |              |              |                    |
| Employment Generation  | 518EG00            | 155          | 100          |              | 1c                 |
| <u>Haiti</u>   |                    |              |              |              |                    |
| Agricultural Feeder Roads                                    | 5210074            | 1050         | 180          | 536          | 1b                 |
| Road Maintenance II  | 5210084            | 1300         | 75           | 435          | 1b                 |
| <u>Honduras</u>  |                    |              |              |              |                    |
| Small Business Development                                   | 522AS00            |              | 100          | 100          | 1b                 |

|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| <u>Other West Indies-Eastern Caribbean Region</u> |                    |              |              |              |                    |
| Employment Investment Promotion                   | 5380013            | 320          | 7050         | 987          | 1a                 |
| Subtotal  |                    | 2,825        | 7,505        | 2,058        |                    |
| <u>INTERREGIONAL</u>                              |                    |              |              |              |                    |
| Inst'l. Dev. - (Int'l. Executive Service Corps)   | 9030026            | 4100         | 4000         | 5000         | 1b                 |
| Low Cost Roofing Utilization                      | 0341161            |              | 125          | 605          | 1c                 |
| Subtotal  |                    | 4,100        | 4,125        | 5,605        |                    |
| TOTAL   |                    | 56,925       | 124,130      | 65,163       |                    |

6. Multi-subject/other.

AFRICA

Djibouti

Agriculture Sector and Manpower Development

6030001

1000

700

1c

Kenya

Agricultural System Support Project

6150169

23200

4700

17200

1b

Cameroon

Cooperative Development

6310014

550

2a

Ghana

Programs in Population Dynamics

6410087

250

275

1b

Somali Republic

Human Resources Development

6490112

900

2a

Tanzania

Agricultural Education and Extension

6210135

2356

1c

Sudan

Western Sudan Agricultural Research

6500020

617

2200

7800

1c

Agriculture Sector Support

6500013

5000

3000

2a

Ethiopia

Southern Gemu Gofa Area Rehabilitation

6630193

1032

950

1188

1c

Micro Regional, Rural Development

6630214

724

600

476

1c

Wollo/Tigray Rehabilitation

6630225

200

1c

Upper Volta

Rural Enterprises Development

6860219

353

2a

84

|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| <u>Africa Regional</u>                          |                    |              |              |              |                    |
| Accelerated Impact Program                      | 6980410            | 2447         | 3000         | 3000         | 1a                 |
| Improved Rural Technology                       | 6980407            | 400          | 1000         | 1205         | 1a                 |
| Subtotal  |                    | 31,379       | 18,725       | 36,219       |                    |
| <u>ASIA</u>                                     |                    |              |              |              |                    |
| <u>India</u>                                    |                    |              |              |              |                    |
| Application of Sci. & Tech. to Rural Dev.       | 3860465            | 2000         |              | 3000         | 1d                 |
| <u>Philippines</u>                              |                    |              |              |              |                    |
| Economic and Social Impact/Women in Development | 4920295            | 1000         | 1000         | 500          | 1d                 |
| <u>Indonesia</u>                                |                    |              |              |              |                    |
| Science & Technology: Practical Applications    | 4970266            | 600          | 250          | 300          | 1b                 |
| Appropriate and Low-Cost Technology             | 4970268            | 500          |              |              | 1a                 |
| Luwu Area Development II                        | 4970274            |              |              | 6000         | 1c                 |
| <u>Asia Regional</u>                            |                    |              |              |              |                    |
| ASEAN   | 4980258            |              | 880          | 3000         | 2e                 |
| Subtotal  |                    | 4,100        | 2,130        | 12,800       |                    |
| <u>NEAR EAST</u>                                |                    |              |              |              |                    |
| <u>Yemen Arab Republic</u>                      |                    |              |              |              |                    |
| Applied Health and Nutrition                    | 2790035            | 188          |              | 250          | 2a                 |
| <u>Egypt</u>                                    |                    |              |              |              |                    |
| Applied Science & Technology Research           | 2630016            | 4200         | 1000         | 5200         | 1b                 |
| Technical Transfer & Manpower Development III   | 2630026            | 4000         | 2000         | 2000         | 1b                 |
| Development Planning Studies                    | 2630061            | 3800         | 2000         | 1600         | 1b                 |
| <u>Syria</u>                                    |                    |              |              |              |                    |
| Technical Services/Feasibility Study IV         | 2760029            |              | 1500         |              | 1b                 |
| Technical Services/Feasibility Study V          | 2760032            |              |              | 1500         | 1b                 |
| Development Imports II                          | 2760036            |              | 20000        |              | 1c                 |
| Development Imports III                         | 2760037            |              |              | 20000        | 1c                 |
| <u>Tunisia</u>                                  |                    |              |              |              |                    |
| Science and Technology Development - Phase I    | 6640300            | 1538         |              |              | 1a                 |
| Central Tunisia Rural Development               | 6640312            |              | 2200         | 1430         | 1c                 |
| <u>Jordan</u>                                   |                    |              |              |              |                    |
| Technical Services and Feasibility Studies II   | 2780224            |              | 2000         | 2700         | 1a                 |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| <u>Afghanistan</u>  |                    |              |              |              |                    |
| Development Related Research                              | 3060155            |              | 423          |              | 1d                 |
| Subtotal  |                    | 13,726       | 31,123       | 34,680       |                    |
| <u>LATIN AMERICA</u>                                      |                    |              |              |              |                    |
| <u>Guyana</u>   |                    |              |              |              |                    |
| Second Rice Modernization Project                         | 5040072            | 9940         | 413          | 569          | 1b                 |
| Data Management   | 5040076            |              |              | 265          | 2a                 |
| <u>Bolivia</u>  |                    |              |              |              |                    |
| Appropriate Technology Research & Application I           |                    |              |              |              |                    |
| Basic Food Production and Marketing                       | 5110451            | 1100         | 1164         | 1300         | 2d                 |
| <u>Costa Rica</u>   |                    |              |              |              |                    |
| Integrated Rural Development (AITEC)                      | 5150129            | 110          |              |              | 1c                 |
| Development Information                                   | 5150139            |              | 2250         |              | 2b                 |
| <u>El Salvador</u>  |                    |              |              |              |                    |
| Multi-purpose Household Survey                            | 5190176            | 167          | 127          |              | 2a                 |
| <u>Dominican Republic</u>                                 |                    |              |              |              |                    |
| National Employment Policy                                | 5170121            | 256          |              | 238          | 1b                 |
| <u>Guatemala</u>  |                    |              |              |              |                    |
| Integrated Area Development Studies                       | 5200249            | 220          | 278          |              | 1b                 |
| <u>Haiti</u>  |                    |              |              |              |                    |
| Special Development Activities                            | 5210062            | 110          | 75           | 75           | 1b                 |
| Appropriate Technology                                    | 5210095            | 623          | 241          | 468          | 1a                 |
| <u>Honduras</u>   |                    |              |              |              |                    |
| Integrated Development Pilot Project                      | 522CEC0            |              | 150          | 150          | 1d                 |
| <u>Paraguay</u>   |                    |              |              |              |                    |
| Indian Settlement   | 5260120            | 194          | 142          | 124          | 1c                 |
| <u>Peru</u>   |                    |              |              |              |                    |
| Integrated Regional Development                           | 5270178            |              | 6000         |              | 2a                 |
| <u>Other West Indies-Eastern Caribbean Region</u>         |                    |              |              |              |                    |
| Caribbean Development Facility                            | 538CD00            | 2000         |              |              | 2a                 |
| <u>Regional Office Central America &amp; Panama-ROCAP</u> |                    |              |              |              |                    |
| Secretariat for Ec. Integration of Central Am.            | 5960040            | 387          | 175          |              | 1d                 |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|--|--------------------|--------------|--------------|--------------|--------------------|
| <u>Latin America Regional</u>                                |                    |              |              |              |                    |
| Development of Environmental Management System               | 5980602            |              | 535          | 500          | 1d                 |
| Subtotal   |                    | 15,107       | 11,990       | 4,574        |                    |
| <u>INTERREGIONAL</u>   |                    |              |              |              |                    |
| Information as a Tool in Development                         | 013A232            | 795          | 1275         | 140          | 1a                 |
| Matching Grant (Technoserve, Inc.)                           | 9030008            | 365          |              | 400          | 1a                 |
| Volunteers in Technical Assistance (VITA)                    | 9030028            | 280          | 280          | 280          | 1a                 |
| Technology Innovation  | 0321313            |              | 500          |              | 1a                 |
| American Schools and Hospitals Abroad <sup>1</sup>           | 9130000            | 19128        | 20075        | 12045        | 1b                 |
| Promotion/Market Development - Reimbursable                  | 9050001            | 1781         | 1800         | 2800         | 1b                 |
| Project Activities - Reimbursable                            | 9050002            |              |              | 800          | 1b                 |
| Matching - (International Institute of Rural Reconstruction) | 9030012            | 169          | 168          | 200          | 1b                 |
| Institutional Development-(IVS)                              | 9030027            | 600          | 600          | 650          | 1c                 |
| Desertification  | 0325501            |              |              | 1000         | 1d                 |
| Development Data and Related Research                        | 9090064            | 100          | 200          | 100          | 2a                 |
| Appropriate Technology International                         | 0321071            | 5000         | 2200         | 5000         | 2a                 |
| Asia Foundation  | 9030048            | 3000         |              |              | 2a                 |
| Technology Policy and Rural Income                           | 0211168            | 244          |              |              | 1a                 |
| Land Holding & Rural Equity (U of Wisc.)                     | 024LH00            |              |              | 445          | 2b                 |
| Method for Rural Development Analyses                        | 0241136            | 136          |              |              | 2b                 |
| Participation and Rural Development                          | 0241137            |              |              | 440          | 2b                 |
| Alternative Rural Development Strategies                     | 0241190            |              | 240          | 93           | 2b                 |
| Strategies and Resources                                     | 9300100            | 320          | 400          | 930          | 2b                 |
| Improvement of National Status on Women                      | 9300400            |              | 150          | 350          | 2b                 |
| Womens Opportunities in Childbearing, etc.                   | 909W000            |              |              | 300          | 2b                 |
| Small Research - Economic Development                        | 9300049            | 1332         | 3302         | 640          | 2b                 |
| Knowledge Synthesis for Policy                               | 0131093            | 335          | 335          | 380          | 2c                 |
| Off-Farm Employment  | 0241191            | 644          |              | 145          | 2c                 |

<sup>1</sup> Budget figures have been reduced by 19.7% to reflect allocation to Europe.

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| Standardization in Less Developed Countries   | 0320243            | 200          |              |              | 2c                 |
| Enhancing Science and Technology Capabilities | 0321223            | 1745         | 1250         |              | 2c                 |
| Developing Digest                             | 9300002            | 100          | 120          | 120          | 2c                 |
| Scientists/Engineers in Economic Development  | 0320962            | 200          |              |              | 2d                 |
| U.S. Preparation for U.N. Conference          | 0321086            | 176          |              |              | 2d                 |
| U.N. World Conference Phase II                | 0321308            |              | 500          |              | 2d                 |
| Scientific Institutions for Development       | 0325511            |              |              | 500          | 2d                 |
| Land Use Programming                          | 1310058            |              |              | 150          | 2d                 |
| Subtotal                                      |                    | 36,650       | 33,395       | 29,168       | 1b                 |
| TOTAL   |                    | 100,962      | 97,363       | 117,441      |                    |

## 7. Education & Training

### AFRICA

#### Djibouti

Skills Training

6030002

400

1b

#### Malawi

Malawi Polytechnic

6120201

1524

2a

Bunda Agricultural College

6120054

805

2a

#### Tanzania

Training for Rural Development

6210149

750

2985

1b

#### Cameroon

National Cereals Research and Extension (IITA)

6310013

825

1a

Agriculture Management and Planning

6310008

700

500

2a

Practical Training in Health Education

6310009

500

800

140

2a

Social Science Research and Training

6310007

290

380

260

2a

#### Ghana

Women's Small Scale Industrial Cooperatives

6410093

275

485

1a

Transportation Maintenance Training Center

6410089

500

365

1b

Agricultural Management Development

6410070

410

340

100

1b

Economic & Rural Development Management

6410077

545

620

445

1c

Manpower Development in Community Medicine

6410088

250

430

2a

#### Sudan

Rural Planning

6500012

750

500

1b

|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|--|--------------------|--------------|--------------|--------------|--------------------|
| <u>Southern Manpower Development</u>           |                    |              |              |              |                    |
| <u>Guinea-Bissau</u>                           | 6500021            | 2000         |              | 1000         | 1b                 |
| Primary Teacher Training                       | 6570003            | 610          | 850          | 410          | 2a                 |
| <u>Zaire</u>                                   |                    |              |              |              |                    |
| Development Manpower Training                  | 6600068            |              | 500          |              | 1b                 |
| Nonformal Education Staff Development-(CIDEP)  | 6600073            |              | 741          | 400          | 1b                 |
| Agriculture Economic Development Planning      | 6600052            |              | 764          | 800          | 1b                 |
| <u>Ethiopia</u>                                |                    |              |              |              |                    |
| Agricultural Planning, Analysis and Evaluation | 6630208            |              | 600          | 500          | 1b                 |
| Nonformal Education                            | 6630189            |              | 300          | 350          | 2a                 |
| Integrated Family Life Education II            | 6630213            | 275          | 213          | 238          | 2a                 |
| <u>Liberia</u>                                 |                    |              |              |              |                    |
| Improved Efficiency of Learning                | 6690130            | 825          | 1411         | 948          | 2a                 |
| Vocational Training                            | 6690131            | 800          | 1900         | 1500         | 2a                 |
| Rural Learning Delivery System                 | 6690134            |              | 210          | 400          | 2a                 |
| <u>Chad</u>                                    |                    |              |              |              |                    |
| Rural School Construction-(CARE)               | 6770021            | 315          |              |              | 1b                 |
| <u>Rwanda</u>                                  |                    |              |              |              |                    |
| Farm Hand Tools                                | 6960103            | 240          |              |              | 2a                 |
| Agricultural Education                         | 6960109            |              | 3286         | 602          | 2a                 |
| <u>Africa Regional - Sahel</u>                 |                    |              |              |              |                    |
| Comprehensive Human Resources Development      | 6770005            | 1000         |              |              | 1b                 |
| Regional Remote Sensing                        | 6250913            | 770          |              |              | 2a                 |
| <u>Southern Africa Region--Osarac</u>          |                    |              |              |              |                    |
| Southern Africa Academic & Skills Training     | 6900083            | 1647         |              |              | 1b                 |
| <u>Africa Regional</u>                         |                    |              |              |              |                    |
| African Manpower Development Project           | 6980384            | 4335         | 4850         | 4920         | 1a                 |
| Regional Rural Development Training            | 6980405            | 750          | 1000         | 1200         | 1c                 |
| African Graduate Fellowship Program            | 6980062            | 2250         | 565          |              | 2a                 |
| African Higher Education Scholarship Program   | 6980210            | 750          | 550          |              | 2a                 |
| Africa Science Foundation                      | 6980390            | 144          |              |              | 2a                 |
| Human Resources Development and Services       | 6980406            |              | 500          | 300          | 2c                 |
| Support to Regional Organizations              | 6980413            |              | 790          | 1260         | 2e                 |

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|  | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|--|--------------------|--------------|--------------|--------------|--------------------|
| Economic Commission for Africa             | 6980340            | 400          | 440          | 400          | 3                  |
| Subtotal                                   |                    | 18,856       | 27,164       | 22,713       |                    |
| <u>ASIA</u>                                |                    |              |              |              |                    |
| <u>Nepal</u>                               |                    |              |              |              |                    |
| Education Skills Training                  | 3670124            | 557          | 69           |              | 2a                 |
| Development Services and Training          | 3670131            |              |              | 600          | 2a                 |
| <u>Sri Lanka</u>                           |                    |              |              |              |                    |
| Agriculture? Education Development         | 3830049            | 3000         | 3000         |              | 2a                 |
| <u>Bangladesh</u>                          |                    |              |              |              |                    |
| Technical Resources Development            | 3880027            |              | 650          |              | 1b                 |
| <u>Philippines</u>                         |                    |              |              |              |                    |
| Bayanihan Barangay Schools                 | 4920293            |              | 600          |              | 2a                 |
| <u>Thailand</u>                            |                    |              |              |              |                    |
| Nonformal Vocational Education             | 4930295            |              | 500          |              | 2a                 |
| <u>Indonesia</u>                           |                    |              |              |              |                    |
| Rural Dynamics Research                    | 4970294            |              |              | 500          | 1a                 |
| Self Instructional Learning System         | 4970280            |              | 1525         | 1300         | 1a                 |
| Graduate Agricultural School Title XII     | 4970290            |              | 6000         |              | 2a                 |
| Eastern Islands Title XII Agric. Education | 4970293            |              | 6000         |              | 2a                 |
| Title XII - Sumatran Agriculture Program   | 4970297            |              |              | 5000         | 2a                 |
| Primary Health Nurse Training              | 4970289            |              |              | 9600         | 2a                 |
| <u>Asia Regional</u>                       |                    |              |              |              |                    |
| Agricultural Development Council           | 4980257            | 150          | 300          | 500          | 2a                 |
| Regional Remote Sensing                    | 4980253            |              | 3500         |              | 2a                 |
| Rural Electric Training Center             | 4980260            | 250          |              |              | 2a                 |
| Regional Scholarships Program              | 4980246            | 725          |              |              | 2d                 |
| Regional Malaria Training Center           | 4980259            |              | 1000         | 1450         | 2e                 |
| Regional Education Development             | 4980198            | 1025         |              |              | 2e                 |
| Subtotal                                   |                    | 5,707        | 23,144       | 18,350       |                    |
| <u>NEAR EAST</u>                           |                    |              |              |              |                    |
| <u>Yemen Arab Republic</u>                 |                    |              |              |              |                    |
| Basic Educational Development              | 2790053            |              | 2865         | 1685         | 2a                 |
| Education Outreach                         | 2790058            |              |              | 475          | 2a                 |

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|---|--------------------|--------------|--------------|--------------|--------------------|
| <u>Afghanistan</u>                              |                    |              |              |              |                    |
| Primary School Teacher Training                 | 3060167            |              | 2022         | 1676         | 1b                 |
| Rural Women Students Residence                  | 3060162            |              | 3435         |              | 1c                 |
| Rural Primary Schools II                        | 3060150            | 46           | 1278         | 1316         | 2a                 |
| Development Support Training                    | 3050157            | 300          | 500          | 1193         | 2a                 |
| Technical Manpower Development                  | 3060161            |              | 1776         | 1776         | 2a                 |
| <u>Morocco</u>                                  |                    |              |              |              |                    |
| Higher Agriculture Education                    | 6080134            | 500          | 775          | 800          | 2a                 |
| Nonformal Education for Women                   | 6080139            | 2291         |              | 1020         | 2a                 |
| Vocational Technical Skills                     | 6080146            |              | 500          | 900          | 2a                 |
| Industrial & Commercial Job Training for Women  | 6080147            | 2400         |              | 426          | 2a                 |
| Development Training and Management Improvement | 6080149            | 2175         |              | 549          | 2a                 |
| <u>Egypt</u>                                    |                    |              |              |              |                    |
| Univ. Instruction Materials and Libraries       | 2630067            | 2500         | 1500         | 3000         | 1a                 |
| Vocational Education                            | 2630062            |              | 5800         | 1000         | 1a                 |
| Educational Linkages                            | 2630105            |              |              | 2100         | 2d                 |
| <u>Syria</u>                                    |                    |              |              |              |                    |
| Technical Health Institute                      | 2760019            | 4050         | 750          | 350          | 1b                 |
| General Participant Training                    | 2760004            | 850          | 850          | 1100         | 1b                 |
| Agricultural Education and Research             | 2760003            |              | 3000         | 1900         | 2a                 |
| <u>Jordan</u>                                   |                    |              |              |              |                    |
| Water Management Technology                     | 2780192            | 300          | 500          |              | 1b                 |
| Vocational Training                             | 2780238            |              | 225          | 600          | 1b                 |
| School Construction II                          | 2780232            |              |              | 7000         | 1b                 |
| Health Planning and Services Development        | 2780208            | 500          | 125          |              | 2a                 |
| <u>Near East Regional</u>                       |                    |              |              |              |                    |
| American University of Beirut                   | 2980015            | 2925         | 2300         | 3500         | 2a                 |
| Subtotal  |                    | 18,837       | 28,201       | 32,366       |                    |
| <u>LATIN AMERICA</u>                            |                    |              |              |              |                    |
| <u>Guyana</u>                                   |                    |              |              |              |                    |
| Agriculture Resource Planning                   | 5040077            |              | 233          | 228          | 1b                 |
| <u>Bolivia</u>                                  |                    |              |              |              |                    |
| Fe y Alegria-Forestal Agriculture School        | 5110508            | 100          |              |              | 1b                 |
| Farm Policy Study                               | 5110485            | 272          | 500          | 343          | 2a                 |

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|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| Rural Development Planning                | 5110471            | 975          | 265          | 510          | 2a                 |
| Rural Education I                         | 5110477            |              | 680          | 455          | 2a                 |
| Rural Education II                        | 5110482            | 200          | 575          |              | 2a                 |
| Bilingual Education                       | 5110520            |              |              | 600          | 2a                 |
| <u>Costa Rica</u>                         |                    |              |              |              |                    |
| Participation of Poor Women (OEF/FOV)     | 5150140            | 133          | 128          |              | 2a                 |
| Women in Development Increased Employment | 5150150            |              |              | 100          | 2a                 |
| Urban Poor Job Training                   | 5150151            |              |              | 140          | 2a                 |
| Science & Technology                      | 5150138            |              | 3000         |              | 2a                 |
| SCONA Environmental Education             | 5150142            | 240          |              |              | 2a                 |
| <u>Dominican Republic</u>                 |                    |              |              |              |                    |
| Instituto Superior de Agricultura         | 5170125            |              |              | 2000         | 1a                 |
| Nonformal Education                       | 5170108            | 90           | 90           | 150          | 1c                 |
| Radio Education                           | 5170133            |              | 175          |              | 1c                 |
| Education Sector Loan                     | 5170119            |              | 7500         |              | 2a                 |
| <u>Ecuador</u>                            |                    |              |              |              |                    |
| Working Boys Center                       | 5180001            | 186          |              |              | 2a                 |
| Training for Development                  | 5180017            |              |              | 400          | 2a                 |
| <u>El Salvador</u>                        |                    |              |              |              |                    |
| Basic Competitive Skills Training         | 5190172            | 3450         | 180          | 125          | 1b                 |
| <u>Haiti</u>                              |                    |              |              |              |                    |
| Para-profess. Engineering Education       | 5210104            |              | 990          | 750          | 2a                 |
| <u>Guatemala</u>                          |                    |              |              |              |                    |
| Rural Primary Education                   | 5200229            | 6000         |              |              | 1b                 |
| Bilingual Education                       | 5200258            | 200          | 280          | 280          | 1b                 |
| Education Administration                  | 5200259            |              | 100          | 200          | 1b                 |
| Nonformal Education                       | 5200264            |              |              | 250          | 1b                 |
| <u>Honduras</u>                           |                    |              |              |              |                    |
| Rural Education                           | 5220119            | 300          | 300          | 150          | 1c                 |
| <u>Nicaragua</u>                          |                    |              |              |              |                    |
| Rural Education Development               | 5240115            | 7780         | 270          | 340          | 1b                 |
| <u>Panama</u>                             |                    |              |              |              |                    |
| Workforce Development                     | 5250214            |              |              | 3500         | 1b                 |
| Training for Development                  | 5250164            | 293          | 300          |              | 2a                 |

|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| Training of Rural Youth                                   | 5250198            | 50           | 100          | 75           | 2a                 |
| Environmental Management                                  | 5250217            |              |              | 200          | 2a                 |
| <u>Paraguay</u>   |                    |              |              |              |                    |
| Rural Radio Education                                     | 5260502            | 187          |              |              | 1b                 |
| Bilingual Education                                       | 5260503            | 171          | 307          | 313          | 2a                 |
| <u>Peru</u>   |                    |              |              |              |                    |
| Education for Responsible Parenthood                      | 5270182            | 5            | 213          | 198          | 1b                 |
| Decentralizing Education Planning                         | 5270158            | 237          |              |              | 1b                 |
| Pre-school Education for Disadvantaged                    | 5270161            |              | 199          | 151          | 1b                 |
| Campesino Training (IPFE)                                 | 5270179            | 100          | 110          |              | 1b                 |
| Education Service Centers                                 | 5270148            | 400          | 790          |              | 2a                 |
| Rural Job Skills Training                                 | 5270165            |              | 285          | 200          | 2a                 |
| Selected Development Training                             | 5270173            |              | 162          |              | 2a                 |
| Bilingual Education                                       | 5270199            |              |              | 400          | 2a                 |
| Teacher Training Rural                                    | 5270200            |              |              | 500          | 2a                 |
| Pre-school Education-Home Instruction                     | 5270201            |              |              | 250          | 2a                 |
| Rural Job Skills Training                                 | 5270165            |              | 285          | 200          | 2c                 |
| <u>Jamaica</u>  |                    |              |              |              |                    |
| Agricultural Planning                                     | 5320061            |              | 500          | 250          | 1b                 |
| Training for Development                                  | 5320068            |              |              | 300          | 1b                 |
| <u>Other West Indies-Eastern Caribbean Region</u>         |                    |              |              |              |                    |
| Basic Health Management Training                          | 5380019            | 1000         |              | 400          | 1b                 |
| Caribbean Institutional Development                       | 5380016            | 300          | 500          | 500          | 2a                 |
| Improved Learning Environment                             | 5381100            |              | 1000         | 1000         | 2a                 |
| Quality of Instruction                                    | 5380100            |              | 1000         | 1000         | 2a                 |
| <u>Regional Office Central America &amp; Panama-ROCAP</u> |                    |              |              |              |                    |
| Transfer of Technology                                    | 5960066            | 183          | 250          |              | 2a                 |
| <u>Latin America Regional</u>                             |                    |              |              |              |                    |
| Scholarship Program of American Universities              | 5980453            | 242          |              |              | 1b                 |
| Education Research Networks                               | 5980589            |              | 200          | 400          | 1d                 |
| Training for Development                                  | 5980588            |              | 1015         | 1145         | 2a                 |
| Science and Technology Information Transfer               | 5980572            | 250          | 250          | 350          | 3                  |
| Subtotal  |                    | 23,344       | 22,942       | 18,353       |                    |

INTERREGIONAL

|   | <u>Project No.</u> | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> | <u>Agenda Item</u> |
|---|--------------------|--------------|--------------|--------------|--------------------|
| Training in Energy Management                   | 0352507            |              | 400          | 400          | 1b                 |
| Inst'l. Dev. - (World Education, Inc.)          | 9030022            | 302          | 350          | 270          | 1b                 |
| Education Technology Information Services       | 0411231            |              | 590          |              | 1b                 |
| Institutional Development (ACPO)                | 9030091            | 293          | 505          |              | 1c                 |
| Community Basic Education                       | 1415807            |              |              | 800          | 1c                 |
| Environmental Grant                             | 0321330            | 100          |              |              | 2a                 |
| Radio for Elementary Math Teaching              | 0410569            | 429          | 200          |              | 1b                 |
| Teaching Community Medicine                     | 0420239            | 221          |              |              | 2a                 |
| In-Service Teacher Training                     | 0411233            |              | 500          |              | 2a                 |
| Health Manpower Training Capacity               | 0421174            |              | 1117         |              | 2a                 |
| Non-Formal Education Out of School Youth        | 0411241            |              |              | 500          | 2a                 |
| Educational Technology                          | 0411233            |              | 500          |              | 2a                 |
| Role of the Family (in Developmental Education) | 0411237            |              | 200          |              | 2a                 |
| Literary Oriented Functional Education          | 0411242            |              | 200          |              | 2a                 |
| Managing Planned Agriculture                    | 0240209            | 810          |              |              | 2b                 |
| Extension of Rural Primary Schools              | 0411017            |              | 850          | 390          | 2a                 |
| LDC Institutional Involvement                   | 0411031            |              | 200          | 150          | 2a                 |
| Structuring Non-Formal Education Resources      | 0411054            |              | 1080         | 450          | 2a                 |
| Nonformal Education Assessment & Analysis       | 0415804            |              |              | 240          | 2a                 |
| Nonformal Education Networks                    | 0411250            | 30           | 240          |              | 2a                 |
| Education Production Function                   | 909EP00            | 15           | 20           | 300          | 2b                 |
| Policy Significance of Econ. Ed. Literature     | 909P500            | 285          |              | 40           | 2b                 |
| Training of Trainers in Management              | 0440055            | 500          | 700          | 250          | 2c                 |
| UN Fellows Trng. Services from Federal Agencies | 0440070            | 1524         | 1500         | 1700         | 2d                 |
| Subtotal  |                    | 4,534        | 9,152        | 5,490        |                    |
| TOTAL   |                    | 71,278       | 110,603      | 97,212       |                    |

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**SECTION 3: FUNDING OF SELECTED CONCERNS AND  
INDICATIVE BUDGET PLANNING**

1. Another way of looking at AID funding relevant to science and technology for development is through a number of special concerns of the Agency. Summary provisional budget figures for selected special concerns are shown below:

(in \$ thousands)

|                          | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> |
|--------------------------|--------------|--------------|--------------|
| Appropriate Technology   | 19,873       | 64,177       | 104,262      |
| Basic Research           | 5,713        | 5,524        | 11,125       |
| Applied Research         | 76,558       | 114,560      | 146,801      |
| Development Research     | 51,733       | 99,580       | 114,099      |
| XII Research             | 7,307        | 10,302       | 16,882       |
| XII Institution Building | 65,561       | 51,505       | 74,930       |
| XII Advisory Services    | 5,632        | 9,231        | 14,073       |
| Women in Development     | 16,108       | 22,681       | 28,691       |
| Environment              | 93,899       | 143,240      | 370,770      |
| Energy                   | 19,361       | 17,312       | 30,381       |

2. Each of the above concerns is defined as follows:

| <u>CONCERN</u>         | <u>DEFINITION</u>   |
|------------------------|---|
| Appropriate Technology | Appropriate technologies are those technologies which require low capital per worker (labor intensive), are usually efficient on a small scale, are easily serviced and maintained, do not require high levels of education, or training to operate, and utilize locally available resources. In short, technologies which are appropriate to the environment of developing countries, where capital is in short supply and labor is abundant. The definition of capital is not limited to equipment and machinery, but also includes investments in "human capital," e.g., education, training, etc. |

as

|                                  |   |
|----------------------------------|---|
| Basic Research                   | Basic Research is defined as systematic intensive study directed toward greater knowledge or understanding of the subject studied (in the past, AID has reported that it conducts no basic research).   |
| Applied Research                 | Applied Research is defined as systematic intensive study directed toward applying new knowledge to meet a recognized need.   |
| Development Research             | Development Research is defined as systematic application of knowledge toward the production of useful materials, devices and systems or methods including design, development and improvement of prototype and new processes to meet specific functional or economic requirements.   |
| Title XII - Research             | Research includes the following: (a) support to International Agricultural Research Centers and similar organizations, (b) food production and nutrition components of AID's centrally funded research program, (c) a new Collaborative Research Support Program and country-or-regional specific research falling within Title XII's mandate.            |
| Title XII - Institution Building | Institution building is defined as the strengthening of host country institutions in research, teaching, extension, and other services essential to agricultural development.   |
| Title XII - Advisory Services    | Advisory services include services to LDC government ministries, other than research and institution building, on fisheries, agricultural production and marketing, nutrition projects, and technical assistance for rural development.   |
| Women in Development             | Includes activities which give <u>particular attention</u> to efforts to integrate women into the national economies of developing countries, thus improving their statuses and assisting the total development effort. Do not include projects for which women are not purposefully targeted as beneficiaries.   |
| Environment                      | Includes activities for developing and strengthening the capacity of less developed countries to protect and manage their environment and natural resources, also includes efforts to maintain and restore the land, vegetation, water, wildlife and other resources upon which depend economic growth and human well being, especially that of the poor. |
| Energy Technologies              | Includes renewable energy activities directed toward the earliest practicable development and use of energy technologies which are environmentally acceptable,  |

require minimum capital investment, are most acceptable to and affordable by the people using them, are simple and inexpensive to use and maintain, and are transferable from one region of the world to another.

3. Two additional areas of AID program activity are also of interest to UNCSTD: (a) education and training and (b) institution building. The estimate shown below for education and training consists of the budget for education and human resources (EH), one of AID's four concentration areas, plus budget estimates from the Office of International Training for non-EH participant training. The provisional figures for institution building are based on projects identified with Agenda item 2(a) in Section 1, which has institution building as its central theme.

(in \$ thousands)

|                        | <u>FY 78</u> | <u>FY 79</u> | <u>FY 80</u> |
|------------------------|--------------|--------------|--------------|
| Education and Training | 130,158      | 144,288      | 139,088      |
| Institution Building   | 54,258       | 88,678       | 65,322       |

4. Indicative budget planning figures for the Agency's major functional accounts and organizations/programs for FY 1981-84 and previous years for comparison are shown on pages 4 and 5.
5. The long range plan for U.S. Voluntary Contributions to International Organizations and Programs is also included. Although these activities and programs are pursued outside AID's purview, the data are included in view of their relevance to UNCSTD. See pages 6-8.

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LONG RANGE PROGRAM PLAN BY APPROPRIATION ACCOUNT  
\$000

| <u>Account</u>                           | <u>FY 77<br/>Actual</u> | <u>FY 78<br/>Estimate</u> | <u>FY 79<br/>Estimate</u> | <u>FY 80<br/>Ceiling</u> | <u>Planning Period</u> |             |             |             |
|--|-------------------------|---------------------------|---------------------------|--------------------------|------------------------|-------------|-------------|-------------|
|  |                         |                           |                           |                          | <u>1981</u>            | <u>1982</u> | <u>1983</u> | <u>1984</u> |
| Food and Nutrition                       | 474,282                 | 557,568                   | 591,873                   | 724,066                  | 1,049,650              | 1,529,900   | 2,043,650   | 2,580,125   |
| Population Planning                      | 140,348                 | 160,469                   | 181,944                   | 221,895                  | 294,560                | 348,270     | 408,420     | 447,520     |
| Health                                   | 83,644                  | 97,283                    | 130,589                   | 189,404                  | 219,260                | 304,385     | 425,770     | 482,920     |
| Education and<br>Human Resources         | 94,432                  | 94,740                    | 103,958                   | 98,478                   | 135,745                | 265,815     | 270,965     | 382,065     |
| Selected Development<br>Activities       | 55,355                  | 107,838                   | 128,487                   | 158,084                  | 265,785                | 321,630     | 456,195     | 612,370     |
| Sahel Development Program                | --                      | 50,000                    | 58,800                    | 122,058                  | 130,000                | 160,000     | 200,000     | 200,000     |
| American Schools and<br>Hospitals Abroad | 19,800                  | 23,821                    | 25,000                    | 15,000                   | 20,000                 | 20,000      | 20,000      | 20,000      |
| International Disaster<br>Assistance     | 48,800                  | 72,892                    | 20,000                    | 25,000                   | 25,000                 | 25,000      | 25,000      | 25,000      |

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**LONG RANGE PROGRAM PLAN BY ORGANIZATION/PROGRAM  
(\$ 000)**

| <u>Organization/Program</u>                        | <u>FY 77<br/>Actual</u> | <u>FY 78<br/>Estimate</u> | <u>FY 79<br/>Cong.<br/>Presen.</u> | <u>FY 80</u> | <u>FY 81</u> | <u>FY 82</u> | <u>FY 83</u> | <u>FY 84</u> |
|--|-------------------------|---------------------------|------------------------------------|--------------|--------------|--------------|--------------|--------------|
| Africa   | 154,500                 | 219,800                   | 294,000                            | 415,700      | 490,000      | 735,000      | 980,000      | 1,225,000    |
| Asia   | 246,200                 | 341,300                   | 453,000                            | 564,500      | 785,000      | 1,330,00     | 1,895,000    | 2,480,000    |
| Latin America and<br>the Caribbean                 | 171,500                 | 205,700                   | 245,000                            | 246,700      | 250,000      | 250,000      | 250,000      | 250,000      |
| Near East  | 52,500                  | 45,600                    | 60,000                             | 69,400       | 80,000       | 80,000       | 90,000       | 105,000      |
| DSB  | 188,900                 | 215,300                   | 255,900                            | 326,100      | 415,000      | 440,000      | 475,000      | 500,000      |
| (Population Planning)                              | (105,100)               | (108,900)                 | (133,000)                          | (175,700)    | (219,900)    | (231,300)    | (245,000)    | (250,000)    |
| (Other Programs)                                   | ( 83,800)               | (105,400)                 | (122,900)                          | (150,400)    | (195,100)    | (208,700)    | (230,000)    | (250,000)    |
| Intelsat   | --                      | --                        | --                                 | 5,000        | --           | --           | --           | --           |
| PDC - Functional                                   | 29,700                  | 33,600                    | 35,200                             | 43,200       | 60,000       | 75,000       | 90,000       | 120,000      |
| PPC  | 3,500                   | 5,600                     | 9,800                              | 10,900       | 14,000       | 18,000       | 23,000       | 23,000       |
| International Fund for<br>Agricultural Development | --                      | 200,000                   | --                                 | --           | --           | --           | 200,000      | --           |

**U.S. VOLUNTARY CONTRIBUTIONS TO INTERNATIONAL  
ORGANIZATIONS AND PROGRAMS**

Long Range Plan  
(\$ 000)

|  | <u>FY 78</u><br><u>Estimate</u> | <u>FY 79</u><br><u>Request</u> | <u>FY 80</u><br><u>Proposed</u> | <u>FY 81</u>     | <u>FY 82</u>     | <u>FY 83</u>     | <u>FY 84</u>     |
|--|---------------------------------|--------------------------------|---------------------------------|------------------|------------------|------------------|------------------|
| <b>I. DEVELOPMENT TECHNICAL ASSISTANCE:</b>                | <b>(139,500)</b>                | <b>(161,600)</b>               | <b>(198,100)</b>                | <b>(226,125)</b> | <b>(244,450)</b> | <b>(283,675)</b> | <b>(318,700)</b> |
| <b><u>SUBTOTAL</u></b>                                     |                                 |                                |                                 |                  |                  |                  |                  |
| UN Development Program (UNDP)                              | 115,000                         | 133,000                        | 150,000                         | 170,000          | 185,000          | 215,000          | 245,000          |
| UN Capital Development Fund                                | 2,000                           | 2,000                          | 4,000                           | 5,000            | 5,000            | 7,000            | 8,000            |
| UN Associate Experts                                       | --                              | --                             | 2,000                           | 3,000            | 3,000            | 3,000            | 3,000            |
| UN Southern African Development Fund:                      | --                              | --                             | 6,000                           | 10,000           | 11,300           | 14,000           | 18,000           |
| <b><u>SUBTOTAL</u></b>                                     |                                 |                                |                                 |                  |                  |                  |                  |
| UN Institute for Namibia                                   | 500                             | 500                            | (500)                           | (500)            | 1,000            | 1,000            | 1,000            |
| UN Trust Fund for South Africa                             | --                              | --                             | (600)                           | (600)            | --               | --               | --               |
| UN Educational and Training<br>Program for Southern Africa | 1,000                           | 1,000                          | (1,000)                         | (1,500)          | 1,700            | 2,000            | 2,000            |
| Southern Africa Contingency                                | --                              | --                             | (3,900)                         | (7,400)          | (8,600)          | (11,000)         | (15,000)         |
| UN Energy Fund (Contingency)                               | --                              | --                             | 5,000                           | 5,000            | 5,000            | 7,000            | 8,000            |
| UN Disaster Preparedness Trust Fund                        | --                              | --                             | 2,500                           | --               | --               | --               | --               |
| FAO WORLD FOOD PROGRAM                                     | 1,500                           | 2,000                          | 2,000                           | 2,500            | 2,500            | 3,000            | 3,000            |
| OAS ASSISTANCE PROGRAMS: <b><u>SUBTOTAL</u></b>            | <b>17,500</b>                   | <b>17,500</b>                  | <b>25,000</b>                   | <b>27,000</b>    | <b>29,000</b>    | <b>31,000</b>    | <b>33,000</b>    |
| Special Multilateral Fund                                  | (7,000)                         | (7,300)                        | (10,400)                        | (11,600)         | (12,500)         | (13,400)         | (14,300)         |
| Special Projects (Mar del Plata)                           | (3,300)                         | (3,000)                        | (5,000)                         | (5,300)          | (5,700)          | (6,100)          | (6,400)          |

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**U.S. VOLUNTARY CONTRIBUTIONS TO INTERNATIONAL  
ORGANIZATIONS AND PROGRAMS CONT'D**

**Long Range Plan  
(\$ 000)**

|  | <u>FY 78<br/>Estimate</u> | <u>FY 79<br/>Request</u> | <u>FY 80<br/>Proposed</u> | <u>FY 81</u>     | <u>FY 82</u>     | <u>FY 83</u>     | <u>FY 84</u>     |
|--|---------------------------|--------------------------|---------------------------|------------------|------------------|------------------|------------------|
| Special Development Assistance Fund                        | (6,100)                   | (6,300)                  | (9,000)                   | (9,500)          | (10,100)         | (10,800)         | (11,500)         |
| Special Cultural Fund                                      | (500)                     | (500)                    | (600)                     | (600)            | (700)            | (700)            | (800)            |
| International Export Promotion Fund                        | (600)                     | (400)                    | --                        | --               | --               | --               | --               |
| CENTRAL TREATY ORGANIZATION                                | --                        | 600                      | 600                       | 625              | 650              | 675              | 700              |
| U.N. POST HARVEST LOSSES FUND                              | --                        | 3,000                    | --                        | --               | --               | --               | --               |
| U.N. DECADE FOR WOMEN                                      | 3,000                     | 2,000                    | 1,000                     | 3,000            | 3,000            | 3,000            | --               |
| <b>II. HUMANITARIAN NEEDS: SUBTOTAL</b>                    | <b>(68,000)</b>           | <b>(88,250)</b>          | <b>(101,250)</b>          | <b>(130,400)</b> | <b>(139,525)</b> | <b>(167,600)</b> | <b>(189,700)</b> |
| UN Children's Fund   | 25,000                    | 35,000                   | 45,000                    | 60,000           | 67,000           | 87,000           | 104,000          |
| International Child of the Year                            | 250                       | 1,000                    | --                        | --               | --               | --               | --               |
| UN Relief and Works Agency                                 | 51,500                    | 52,000                   | 56,000                    | 70,000           | 72,000           | 80,000           | 85,000           |
| UN Disaster Relief Organization                            | 250                       | 250                      | 250                       | 400              | 525              | 600              | 700              |
| <b>III. INTERNATIONAL SCIENTIFIC COOPERATION: SUBTOTAL</b> | <b>(22,000)</b>           | <b>(24,300)</b>          | <b>(27,140)</b>           | <b>(18,425)</b>  | <b>(34,425)</b>  | <b>(19,125)</b>  | <b>(20,031)</b>  |
| World Meteorological Organization                          | 2,000                     | 2,000                    | 2,500                     | 3,000            | 3,000            | 3,500            | 3,500            |
| International Atomic Energy Agency                         | 10,000                    | 12,000                   | 14,000                    | 15,000           | 15,000           | 15,000           | 16,000           |
| UN Environmental Program                                   | 10,000                    | 10,000                   | 10,000                    | --               | 12,000           | --               | --               |
| UNESCO - World Heritage Trust Fund                         | --                        | 300                      | 640                       | 425              | 425              | 425              | 531              |

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**U.S. VOLUNTARY CONTRIBUTIONS TO INTERNATIONAL  
ORGANIZATIONS AND PROGRAMS CONT'D**

**Long Range Plan  
(\$ 000)**

|  | <u>FY 78<br/>Estimate</u> | <u>FY 79<br/>Request</u> | <u>FY 80<br/>Proposed</u> | <u>FY 81</u> | <u>FY 82</u> | <u>FY 83</u> | <u>FY 84</u> |
|--|---------------------------|--------------------------|---------------------------|--------------|--------------|--------------|--------------|
| <b>IV. <u>EDUCATION AND RESEARCH: SUBTOTAL</u></b> | <b>(500)</b>              | <b>(8,000)</b>           | <b>(1,000)</b>            | <b>(600)</b> | <b>(600)</b> | <b>(600)</b> | <b>(600)</b> |
| UN Institute for Training<br>and Research          | 500                       | 500                      | 500                       | 600          | 600          | 600          | 600          |
| UN Research Institute for<br>Social Development    | --                        | --                       | 500                       | --           | --           | --           | --           |
| UN University                                      | --                        | 7,500 <sup>1</sup>       | --                        | --           | --           | --           | --           |

<sup>1</sup>Not funded.

**SECTION 4: REPRESENTATIVE PROJECTS FOR EACH UNCSTD AGENDA ITEM,  
SUBJECT AREA, AND SELECTED SPECIAL CONCERN**

This section identifies representative AID projects for discussion in connection with UNCSTD agenda items, subject areas and selected special concerns.

REPRESENTATIVE PROJECTS FOR EACH AGENDA ITEM

1. Science and Technology for Development:

a. The Choice and Transfer of Technology for Development.

| <u>COSTA RICA</u>                                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 5150149      Energy Development and Conservation | --         | --         | 3,000      |

The project will create a unit in Costa Rica capable of working with renewable energy sources as a substitute for oil. Technical assistance and training will prepare this unit in the technical fields of renewable energy development as well as in the planning, environmental and socio-economic aspects. An energy information system will provide the unit with quick access to the specifications, costs, problems and benefits of energy research findings worldwide. The success of the unit will be proven by the functioning of pilot plants and apparatus using renewable energy sources. A fund will be established to finance these pilot operations: probably small hydro-plants, solar operated units (pumps, refrigeration units and dryers) and windmills.

| <u>YEMEN ARAB REPUBLIC</u>                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---|------------|------------|------------|
| 2790046      Appropriate Village Technology | --         | 1,070      | 575        |

The project will bring a two-man team to Yemen for a period of roughly three years, one to focus on the technical side of the project (identifying and adapting appropriate technologies and overseeing their field-testing), and the other to deal with the promotion, production and marketing of the technologies. These two individuals would be backstopped by a U.S. institution for procurement of commodities and general support. Some social science input will also be required in analyzing local social/economic systems, identifying problems amenable to intervention, and the targeting and monitoring of the impact of the new technologies.

The primary focus in the research and extension will be on labor productivity -- enhancing technologies in the rural sector; e.g., hand tools and

animal-drawn implements such as land planes, scrapers, cultivators and planters. Post-harvest operations will be another area of emphasis, with research on small-scale threshers, and on storage and processing technologies. Other likely areas of involvement include simple, low-cost construction technologies, energy conservation and development of alternative energy sources, and more efficient water supply and utilization.

| <u>AFRICA REGIONAL</u> |                                   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------------|-----------------------------------|------------|------------|------------|
| 6980407                | Improved Rural Technology Project | 400        | 1,000      | 1,205      |

This project responds to the increasing African interest of adapting appropriate western technologies to local use. The project is designed to provide funds on a timely basis to help rural villages implement small scale proposals (costing up to \$50,000 each) which are primarily experimental. Nonetheless, these experiments have the potential of resulting in adaptations of useful technologies with on-farm applications. If the technologies are found useful, funding will be provided by host governments or the donor community to undertake broader applications in Africa. While the project will concentrate on activities relating to farm implements, it will also include food processing, village water systems, energy, construction, health, and information exchange. This project contributes to U.S. regional development strategy by providing the means for LDCs to identify and undertake small scale sub-projects for local adaptation of technologies needed to meet a variety of rural needs in Africa.

- 1.b. Elimination of obstacles to the better utilization of knowledge and capabilities in science and technology for the development of all countries, particularly for their use in developing countries.

| <u>INDONESIA</u> |                          | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|--------------------------|------------|------------|------------|
| 4970285          | Rural Electrification I  | 33,000     | 3,000      | --         |
| 4970283          | Rural Electrification II | --         | --         | 34,000     |

The project provides basic infrastructure to rural poor areas and is a necessary investment to increase productivity, provide employment opportunities and improve the quality of life. The large training element in the project will provide a cadre of local rural management and technical operators to operate the systems and provide leadership for developing related systems such as potable water, pump irrigation and agro industry. These projects will demonstrate that reliable electric power can be provided to the rural areas of Indonesia at a price which the majority of the people can afford through systems which are technically sound and financially viable and that the introduction of electricity to the selected areas will bring about a significant increase in production and improve the quality of life of the rural poor. A subsidiary purpose is to train a sufficient cadre of Indonesian experts in all phases of rural electrification so as to manage and expand their rural electric systems.

| <u>PHILIPPINES</u> |                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------|----------------|------------|------------|------------|
| 4920297            | Rural Roads II | 7,000      | 10,617     | 4,500      |

Expenditures on feeder roads have been found to directly benefit the population of the depressed rural areas. The ongoing Rural Roads I project has completed 171 kms. of road and 2589 lin.m. of bridging. 332 kms. and 3400 lin.m. will be completed by the end of that project. Twenty-eight provinces have received extensive training in the planning, budgeting, designing and construction of infrastructure projects. The completed roads and bridges attest to the degree of successful institutionalization of capability.

The project will stimulate development in relatively isolated and lower income rural areas of the Philippines through the construction of roads and bridges; and develop the capability of selected local governments to plan and implement infrastructure projects on a sustained basis.

| <u>KENYA</u> |                             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------------------|------------|------------|------------|
| 6150169      | Agricultural System Support | 23,200     | 4,700      | 17,200     |

The ASSP is a multi-component project, including assistance for increasing Kenya's pool of trained agricultural manpower, for undertaking a significant increase in range research, for improving the provision and delivery of agricultural credit, for increasing the capacity of the cooperative sector to serve the smallholder, and for improving on farm and cooperative level crop storage. The project includes assistance for an agriculture manpower system at Egerton College, faculty of agriculture at University of Nairobi, and for credit, cooperatives, storage and marketing systems.

AID will assist the GOK in the establishment of a fourth agricultural institute, and will fund a significant input into Kenya's range research program, including technical assistance, equipment, and Kenyan staff training. Finally, AID will fund an extensive Ministry of Agriculture training program. Annual training plans, prepared by the Ministry and reviewed and approved by AID, will set forth the participant nominations and the precise fields of study to be funded each year.

| <u>TANZANIA</u> |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|---|------------|------------|------------|
| 6210121         | Manpower Training Program for Maternal and Child Health Aides | 1,667      | 1,681      | 770        |

In order to achieve Tanzanian Government institutional capability to provide comprehensive Maternal and Child Health and Child Spacing services to the rural population as an integrated part of the Ministry of Health rural health program, A.I.D. has assisted in the development of nationwide maternal and child health (MCH) delivery programs, with emphasis on preventive health services. The 18 Maternal/Child Health Aide (MCHA) training centers constructed under the project are operational. Over 600 MCHAs have completed training and are presently assigned to rural health facilities where they are providing improved MCH/Child Spacing services to the rural poor. Over 500

additional MCHAs, who are presently in training, will complete their training in October 1978. A.I.D.'s contract team has assisted in organizing MCH supervisory staff at Regional and District level nationwide. MCHA curriculum has been revised; 30 nurses have completed a nine-month public health/teacher training program and are assigned as MCH Coordinators and MCHA principals and teachers; two inservice workshops have been provided for teaching staff; and a logistics/distribution team has been organized in the MCH unit, Ministry of Health. In 1980, A.I.D. will continue to provide technical specialists and consultants, participant training and supplies for training centers, rural health centers (RHC) and dispensaries.

1.c. Methods of integrating science and technology in economic and social development.

| <u>INDIA</u>                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------------------|------------|------------|------------|
| 3860462 Rural Electrification |            | 58,000     | 40,000     |

The project will intensify agricultural production and develop small rural industries, through the provision of power to the rural areas. Power in rural India is used primarily for irrigation pumps, which now number over three million, and for rural industry. Increased agricultural production through irrigation is considered to be of the highest priority in the U.S. assistance strategy for India. The GOI has targeted 9 million hectares for groundwater irrigation in the Sixth Plan period. Energization of pumpsets is a critical component in meeting this target.

Through the project's life, 450 rural electrification schemes are to be completed which will encompass the energization of approximately 350,000 pumpsets in addition to household and small industry connections.

| <u>BANGLADESH</u>                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---|------------|------------|------------|
| 3880024 Fertilizer Distribution Improvement | 43,000     | 57,000     | 50,000     |

The increased use of fertilizer is essential in attaining foodgrain self-sufficiency by 1985. Moreover, fertilizer is a critical input for HYV (high yields variety) technology to which small farmers and sharecroppers frequently do not have access. This project addresses the important constraints on the supply, i.e., assuring adequate fertilizer imports and internal distribution plus lifting restraints on private fertilizer retailers and creation of private fertilizer wholesalers. Other aspects of the project include bulk handling facilities and storage capacity.

| <u>PHILIPPINES</u>  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---|------------|------------|------------|
| 4920289 Bicol Integrated Area Development Project III (Rinconada) |            | 2,500      | 2,500      |

The project was identified in 1976 as part of the Bicol River Basin Comprehensive Water Resources Development Study (A.I.D. Consulting Services Loan). The major components of the project are (a) water resources - regulation of Lakes Buhi, Bato and Baao, diversion of river channels below these lakes, a channel between Bato and Baao, and rehabilitation and expansion of existing irrigation systems; (b) agricultural roads - 5 subprojects involving secondary and feeder roads complementing prior road construction; (c) watershed production - vegetative and mechanical methods of watershed management and agroforestation; and (d) agricultural support services - crop extension services farmer's organizations, planning, farm family training and land tenure improvements. It is planned that A.I.D. finance the design and construction of the Rincondana-Buhi Lake regulation and irrigation systems, and the implementation of watershed protection components (A majority of small-scale rice farmers reside in this area). Funding would also be made available for engineering design of other feasible Rincondana components subject to other external donor participation and/or major GOP funding.

1.d. New science and technology for overcoming obstacles to development.

| <u>BANGLADESH</u>                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------------------------|------------|------------|------------|
| 3880003      Agricultural Research | 920        | 900        | 200        |

The purpose of the project is to strengthen the role of the Agricultural Research Council (ARC) as coordinator of all agricultural research activities in Bangladesh, and to develop the capacity of the Agricultural Research Institute (ARI) to conduct priority research on non-rice food crops and small farm systems. The ARI is responsible for all non-rice research activities in the country and operates within the ARC's research framework. The research results will provide farmers with specific information on crop diversification. It is anticipated that a contract with an American firm will be signed in the spring of 1977 to provide research advisory services to ARI and ARC.

| <u>PAKISTAN</u>                        | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 3910477      Water Management Research | --         | 1,000      | 1,000      |

This project originally funded under the AID/Washington, "Water and Tropical Soils Management Project," began in Pakistan in 1970. The project, conducted by a Colorado State University team in conjunction with local institutions such as Faisalabad Agricultural University, sponsors and conducts research in ways to more effectively and efficiently use Pakistan's water resources to improve farm productivity. Thus far the project has developed reliable, inexpensive, and farmer acceptable methods of improving the water delivery system among and on-farms, demonstrated the value of small, inexpensive water control structures, determined the benefits of land leveling and demonstrated its effectiveness in increasing production and reducing water waste, described behavioral and social constraints to acceptance of improved water management, and given assistance to and helped strengthen local and national research organizations that has resulted in more attention being paid to water management research in Pakistan.

2.a. The building-up of institutional systems in developing countries for science and technology.

| <u>LIBERIA</u> |                     | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------|---------------------|------------|------------|------------|
| 6690131        | Vocational Training | 800        | 1,900      | 1,500      |

The purpose of the project is to restructure the secondary vocational program at Booker T. Washington Agricultural and Industrial Institute (BWI) to produce employable graduates for identified middle level manpower skill requirements. It will upgrade the curriculum, staff, and facilities of BWI to the level of a quality vocational high school.

| <u>KENYA</u> |                        | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|------------------------|------------|------------|------------|
| 6150162      | Rural Planning Project | 700        | 742        | 388        |

The purpose is to develop improved capabilities within (1) the Ministry of Agriculture (MOA) for agricultural policy formulation, project preparation and management, and (2) the Ministry of Finance and Planning (MOFP) to plan and implement systems of decentralized participatory planning.

This project supports two closely related activities. The first responds to constraints identified by GOK and IBRD in the agriculture planning process particularly in the setting of priorities, identification of programs, gathering of data and monitoring and evaluation of programs and projects. Secondly, the project supports within the MOFP a Rural Planning Unit which implements a Government decision to decentralize development planning to the district level through 40 District Development Committees (DDCs). The two activities are related in that the MOA effort focuses on sector-wide program planning and evaluation techniques, and the MOFP assistance defines policies and procedures for participatory planning and implementation at the District level.

| <u>BOLIVIA</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------|--|------------|------------|------------|
| 5110517        | Appropriate Technology<br>Research and Application I | --         | 675        | 700        |

The purpose of this project is to institutionalize within several GOB agencies a system for identifying, adapting and promoting low-cost appropriate technologies. The major components of the project will be:

- ° The support of applied research and development within several GOB institutions by providing technical assistance, training, equipment, materials, and research groups.
- ° Prefeasibility and feasibility studies of potential technologies, investigating first those technologies already existing in Bolivia, carried out by GOB institutions as well as private contractors.
- ° Prototype testing, demonstration, and evaluation carried out by GOB institutions and private contractors.

- ° Promotion and dissemination of information and technologies.
- ° Evaluation of prefeasibility and feasibility studies and prototypes as well as the overall program on a continuing basis.

| <u>ASIA REGIONAL</u> |                         | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|-------------------------|------------|------------|------------|
| 4980253              | Regional Remote Sensing | --         | 3,500      | --         |

The purpose is to develop a regional facility for remote sensing training and user assistance. In most Asian countries there are a few trained scientists and experts who have expertise in remote sensing, but their number is insufficient and training to serve national programs is expensive and time-consuming. In addition, rapidly changing methods of remote sensing require continuing up-dating of information and skills. A regional center is proposed to assist Asian countries to prepare needed experts and to keep Asian remote sensing agencies current in the state-of-the-art.

The project will support a five-year training and demonstration effort, probably at the Asian Institute of Technology (AIT). This activity would provide general remote sensing training to about 200 Asians in a five-year period. About 75 more would receive special problem-oriented training as part of demonstration activities. U.S. expertise in this technology makes it difficult for Asians to obtain such training except in the U.S. at least, in the short run. It is expected that lower-cost training within the region will facilitate staffing national programs with trained persons.

- 2b. Research and development in the industrialized countries in regard to problems of importance to developing countries.

| <u>YEMEN</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|--|------------|------------|------------|
| 2790052      | Agriculture Development<br>Support-Title XII | --         | 3,140      | 5,300      |

Yemen has few trained agriculturists' in agricultural institutions in research, education, and extension are weak or non-existent, and the entire sector is at an extremely low level of development. There is a massive job of training and institution building required if Yemen is to develop the capability to manage the development of the agriculture sector. This will involve a very long-term effort. The proposed project is designed to address these needs by supporting a long-term commitment (under Title XII) by United States institutions to aid in developing Yemen's agriculture.

It will improve Yemen's capacity for broad-based integrated agricultural development by introducing the U.S. land-grant concept of integrated teaching, research and extension. Title XII institutions will be involved in the development of seed multiplication program, soil fertility analysis, water management systems, planning, analysis and evaluation systems.

| <u>INTERREGIONAL</u>                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------------------------------------|------------|------------|------------|
| 9365709 Biomass Production for Energy | --         | 1,000      | 2,660      |

Utilization of biomass for energy can constitute one of the largest single energy sources in the developing world. Today about 50% of the energy used by the developing countries comes from biomass (wood and agricultural waste). Unfortunately, what should be a renewable energy resource is being used at a rate that far exceeds its replacement rate - making it virtually a nonrenewable resource.

The project would create a dynamic force for continued advancement in biomass improvement, in LDC planning for biomass planting and use, and in the technology of planting, cultivation, and harvesting, utilizing a consortium of seven U.S. universities that are leaders in fast growth, short rotation biomass and the U.S. Forest Service presence in the AID Office of Energy.

2.c. Mechanisms for an exchange of scientific and technological information and experiences significant to development.

| <u>INTERREGIONAL</u> | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|------------|------------|------------|
| 0430622 1980 Census  | 1,383      | 1,430      | 1,150      |

The purpose is to increase the capability of developing countries to collect, process and disseminate timely and reliable census data during the 1980 census period. The technical assistance provided by the Bureau of the Census and a second contractor is designed to expand the scope and utility of the census in the area of population dynamics, to combine sampling applications with complete enumeration, and to provide comprehensive information on the factors bearing on population growth.

AID will organize and hold 10 model country orientation seminars, schedule and hold 14-16 census operation seminars, provide short-term census consultants as requested by developing countries, implement special projects to improve efficiency of developing country census operations and data tabulation, provide instructors to United Nations and other census workshops, and administer funds to provide travel and per diem for workshop participants.

| <u>LATIN AMERICA REGIONAL</u>                        | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 5960048 Agricultural Research and Information System | 226        | 500        | 758        |

This project, begun in May 1975, supports an Inter-American Institute of Agricultural Sciences (IICA) program to introduce and expand the use of comparable standards, methods and procedures by which pertinent agricultural

information will be exchanged and utilized by regional, national and international users, and oriented toward the needs of the small farm sector.

The project has held national and regional meetings, conferences and seminars involving several hundred planners, technicians and decision-makers from the six participating countries and from regional and international organizations. Manuals and guides have been prepared, distributed and are being used. Information and formal training in the development of various aspects of national information plans has continued throughout the project and the first technical packages to be produced under this activity for use by small farmers are nearing completion.

- 2.d. The strengthening of international cooperation among all countries and the design of concrete forms of international cooperation in the fields of science and technology for development.

| <u>INTERREGIONAL</u>  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---|------------|------------|------------|
| 0210840 International Maize/Wheat Improvement Center (CIMMYT) | 2,800      | 3,600      | 4,000      |

CIMMYT is designed to develop improved varieties of crops (corn, wheat, triticale, sorghum and barley), to conduct training courses, seminars, etc. for scientists from LDCs, to provide consultant expertise as requested and to establish outreach programs involving posting of CIMMYT staff in national/regional programs outside Mexico.

By 1975 wheats from CIMMYT-INIA program covered 25 million hectares in all LDCs (40% of the wheat land in LDCs). International tests of maize conducted during 1973-75 resulted in testing of first elite experimental varieties of 100 sites around the world. Results were available in 1977. 1300 lines of bread wheat yield were tested in 1975. Three new CIMMYT-INIA bread wheats were released in 1975. Collaborating scientists in 90 nations planted over 1200 trials of wheat, triticale and barley nurseries distributed by CIMMYT.

| <u>INTERREGIONAL</u>                                     | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 0210309 International Institute for Tropical Agriculture | 3,500      | 3,900      | 3,900      |

The International Institute for Tropical Agriculture was established to resolve problems associated with the transition from traditional shifting cultivation to more productive land-use systems in the humid tropics. It intends to develop improved farming systems through better understanding of social management, cropping systems and economic and environmental factors for the small farmers of the lowland, humid tropics, improve varieties of root and rubber crops, cereals and grain legumes, and strengthen national and regional organizations through outreach and training.

2. The promotion of cooperation among developing countries and the role of developing countries in such cooperation.

| <u>AFRICA REGIONAL</u>                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---|------------|------------|------------|
| 6980413 Support to Regional Organizations | --         | 790        | 1,260      |

The purpose of this activity is to assist African regional institutions to plan and stimulate regional economic and social integration, to strengthen selected regional organizations that are responsible for increasing economic integration in West African countries, and to support development in selected functional areas.

In addition to West African integration, there are other regional African organizations which focus on substantive development-related activities which will receive funds. These include the Association for the Advancement of Agriculture Sciences in Africa (AAASA) with its interest in general agriculture and related occupations, the Science Education Program for Africa (SEPA) with its interest in science and environmental education, and the African Co-operative Credit and Savings Association (ACOSCA). These and others require additional external assistance in funding their programs (including studies, seminars, conferences, publications, and pilot activities throughout Africa).

| <u>AFRICA REGIONAL</u>                                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 698-0393 Semi-Arid Food Grain Research and Development | 1,800      | 3,000      | 2,330      |

African Governments and donors continue to be concerned with the deficient food crop production and the need to increase production at the small farmer level. This project was developed during 1975-77 in collaboration with representatives from 18 African countries, five donors, and five International Research Centers/Agencies. The Organization for African Unity/Scientific and Technical Research Commission (OAU/STRC) is the grantee and coordinates project activities with all interested parties. The concentration of food crop research in a few key locations to make maximum use of limited resources and assure exchange of results to assist small farmers is supportive of both U.S. assistance strategy and that of the African countries. Teams of AID and other donor financed researchers are posted at three locations in the Sudanian-Sahelian areas of Africa. The research results are disseminated through an Accelerated Crops Production officer in each of the 18 participating countries. Africans will be trained to provide continuation of the regional food crop development program.

## 3. Utilization of the existing UN system and other international organizations.

| <u>INTERREGIONAL</u> |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|---|------------|------------|------------|
| 043UN00              | UNFPA (UN Fund for Population Activities) | 28,000     | 32,000     | 34,000     |

The United Nations Fund for Population Activities was established in 1967 and is responsible for action on population problems. The U.S. has supported UNFPA because of its multilateral character which enhances its ability to help countries where there is no bilateral aid. Early concentration of effort raised worldwide awareness of rapid population growth problems principally by sponsorship of basic data collection and communication and education activities. AID support enables the UNFPA to: coordinate FP planning and programming; promote awareness of population problems; and extend multilateral assistance to LDCs to effectively deal with their population problems.

| <u>AFRICA REGIONAL</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------------|--|------------|------------|------------|
| 6980399                | Onchocerciasis Control (Volta River Basin) | 2,000      | 1,700      | 1,700      |

Through this project, AID will continue to support an international and multi-donor effort to control onchocerciasis (river blindness) in the Volta River Basin area of Benin, Ghana, Ivory Coast, Mali, Niger, Togo, and Upper Volta. It is designed to control onchocerciasis in an area of 700,000 square kilometers, of which some 65,000 are estimated to consist of fertile river valleys only marginally populated owing to the prevalence of this disease. Beginning in 1974, the World Health Organization, as executing agency for this project, mounted a campaign to reduce the incidence of the disease through aerial applications of larvicides. The first six-year phase of the control program is now fully operational; the entomological network is functional; and epidemiological teams have completed the collection of baseline data.

## REPRESENTATIVE PROJECTS FOR EACH UNCSTD SUBJECT AREA

This sub-section lists illustrative projects by region, whenever applicable by assigning one per region for each UNCSTD subject area. Two additional subject areas, supplementary to the five (5) official subject categories of UNCSTD, have been included in conformity with Section 2 of the survey.

### 1. Food and Agriculture

#### a. Agricultural technology and techniques in their improvement.

#### AFRICA

##### GHANA

|         |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|---|------------|------------|------------|
| 6410067 | Managed Input Delivery/<br>Agriculture Services | 1,600      | 1,300      | 1,855      |

The project is designed to increase small farmer production through development of a coordinated national program to provide more improved agricultural inputs -- fertilizers, seed, credit, services and technologies. Included in the project is support for an extension service, and the Ministry of Agriculture, agricultural research, marketing surveys and commodity imports.

#### ASIA

##### PHILIPPINES

|         |                        | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|------------------------|------------|------------|------------|
| 4920301 | Small Farmer Systems I | 5,155      | 5,000      | 495        |

In order to increase the incomes of small farmer families, the project will establish small farmer irrigation associations so that members may own, operate and maintain irrigation and offer farm support systems. The project will also fund the construction of irrigation systems, farm machinery, storage and transportation facilities, and water management devices. Finally, the project includes training provisions.

#### NEAR EAST

##### TUNISIA

|         |                                   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|-----------------------------------|------------|------------|------------|
| 6640312 | Central Tunisia Rural Development | --         | 5,192      | 5,200      |

The project's overall goal is to increase income and employment and to improve the quality of life in the steppe zone of Central Tunisia. To this end, the project will help to develop and experiment with improved techniques for planning, managing and evaluating rural development program. It provides for pasture improvement demonstrations, applied research and field testing,

credit programs, construction of irrigation systems, and vocational education. Efforts will also be made to improve the health of the area and to provide assistance to rural enterprises.

### LATIN AMERICA

| <u>HAITI</u> |                                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|------------------------------------|------------|------------|------------|
| 5210092      | Agriculture Development Support II | 1,000      | 1,335      | 1,461      |

The project assists the government of Haiti in developing their capability to collect and process agricultural statistics and to do development planning and evaluation. The goal is to encourage the introduction of agricultural technology and the establishment of an agricultural research system.

| <u>INTERREGIONAL</u> |                             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|-----------------------------|------------|------------|------------|
| 0210973              | International Potato Center | 1,600      | 1,700      | 200        |

The center develops improved varieties of potatoes and other tuberous roots, collects, maintains and distributes germ plasm to be used nationally and internationally, conducts training and provides outreach. The research program supported by the project will increase the yielding ability, stability and efficiency of production in developing countries where the potato is being grown and improve the adaptability of the potato to such ecological regions as the highland cold regions, and lowland hot-humid regions of the tropics.

### 1.b. Nutrition

#### AFRICA

| <u>BENIN</u> |                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|---------------------------|------------|------------|------------|
| 6800207      | Soya Production/Nutrition | --         | 300        | 300        |

The project, in conjunction with Catholic Relief Services, will fund 4 mobile teams to visit schools, health centers, farmers' associations, etc. The teams will begin extension, demonstration, and education activities designed to promote the cultivation and consumption of soya, which should result in improving the nutritional value of local diets.

#### ASIA

| <u>PHILIPPINES</u> |                             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------|-----------------------------|------------|------------|------------|
| 4920320            | National Nutrition Outreach | --         | 530        | 1,000      |

The project will establish the capacity of the government of Pakistan to plan, implement, and evaluate an integrated, municipal level nutrition-oriented

local good production and utilization program focused on the least advantaged income groups. Thirty-six municipalities will be selected to serve as initial pilot communities for planning and implementing nutrition oriented food production and assistance activities.

### NEAR EAST

| <u>NEAR EAST REGIONAL</u> |      | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------------------------|------|------------|------------|------------|
| 2980036                   | PVOs | --         | 250        | 700        |

The funds in this project go toward programs of private voluntary organizations, designed to improve nutrition, among other goals. Three projects have so far been approved: a CRS nutrition project complementary MCH center in Morocco, a CARE project for public health and nutrition education in Tunisia, and a hospital and applied health and nutrition training project in Yemen.

### LATIN AMERICA

| <u>CARIBBEAN REGIONAL</u> |                              | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------------------------|------------------------------|------------|------------|------------|
| 5380022                   | Caribbean Regional Nutrition | 350        | 480        | 272        |

The project will provide support for training courses, development of educational materials, investigative studies and additional staff and technical consultants in support of efforts to improve the design, implementation, and evaluation of regional or country specific food and nutrition policies. It will strengthen the administrative and technical capacity of the Caribbean Food and Nutrition Institute.

| <u>INTERREGIONAL</u> |                            | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|----------------------------|------------|------------|------------|
| 0230045              | Vitamin A Delivery systems | 674        | 300        | 400        |

The project initiates activities in a variety of directions, in order to address nutritional deficiency problems in less developed countries. Planned outputs include: deficiency prevalence surveys to determine the extent of blindness; development of intervention strategies (such as Vitamin A fortified additives to commonly used foods and condiments); formation of an International Vitamin A Consultation Group; development of evaluation techniques. A number of Private Voluntary Organizations and private research institutes are involved in the project.

### 1.c. Fisheries

#### AFRICA

| <u>BURUNDI</u> |                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------|--------------------|------------|------------|------------|
| 6950102        | Highland Fisheries | 500        | 550        | 255        |

The project would assist the government of Burundi in the development of fish resources. Four fishing centers would be developed to supply fishermen

with assistance in equipment and supply procurement, advice on preservation techniques, processing facilities for smoking fish and a simple market facility for selling fish. A center for the raising of fingerlings will also be developed.

ASIA

| <u>PHILIPPINES</u>                            | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---|------------|------------|------------|
| 4920322      Freshwater Fisheries Development | --         | 400        | 1,000      |

Under this project, the production of small fish producers would be increased, the income of small farms augmented, and general nutrition would be increased. Expected outputs include a staffed, operational fish hatchery and an operational extension training center for the education of extension agents and fish farmers.

NEAR EAST

| <u>EGYPT</u>                         | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------------------------|------------|------------|------------|
| 2630064      Aquaculture Development | 900        | 2,500      | 8,000      |

The purpose is to increase fish production by strengthening fish farming capabilities through the development of a national fish farming center for applied research, training and extension of services to villages.

AID funded aquaculture studies have done the following so far: 1) systems planning for long-run aquaculture expansion, 2) management of existing fisheries, 3) aquaculture practices in existing hatchery and farm facilities, 4) training in fresh water technology, and 5) small farmer technology. By 1980, coastal mullet holding facilities and the fish farming center with production ponds adjacent to the center should be ready for operation.

LATIN AMERICA

| <u>JAMAICA</u>                                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---|------------|------------|------------|
| 5320059      Fish Production System Development | --         | 3,380      | --         |

Under this project, the government of Jamaica will increase farmer income and national protein supply by expanding inland fish production. The project will increase fingerling production, continue applied research in aquaculture, train extension agents, and improve the domestic fish marketing and distribution system. Research and demonstration facilities will be expanded and new fish ponds will be developed.

## 1.d. Food storage and processing.

AFRICAZAIRE

|         |                                   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|-----------------------------------|------------|------------|------------|
| 6600019 | Agricultural Economic Development | --         | 5,000      | 2,000      |

The purpose is to increase the capacity of the Department of Agriculture (DOA) to develop and implement agricultural policy and strategies in the agricultural sector. The project plans to upgrade the planning and management capability of the government of Zaire DOA. It includes training courses, sampling units for data collection, a data processing unit and a U.S. Department of Agriculture team for creating a regional planning system.

NEAR EASTJORDAN

|         |                                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|---------------------------------|------------|------------|------------|
| 2780236 | Community Development/Nutrition | --         | --         | 300        |

This project aims to develop and demonstrate new and better combinations and/or utilizations of locally produced food commodities acceptable to local tastes, in order to improve the diet and consequently the nutritional status of Jordan's rural and urban poor population.

The objective is to develop and demonstrate new and better combinations and/or improved utilization of locally produced food commodities acceptable to local tastes to improve the diet of the poor majority and consequently reduce malnutrition and improve the nutritional status of the target groups.

INTERREGIONAL

|         |                      | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|----------------------|------------|------------|------------|
| 9040001 | Food Storage Seminar | 136        | 136        | 136        |

The purpose is to improve effectiveness of food handling and storage techniques of food handling and storage techniques in LDCs through training seminars directed at LDC personnel representing voluntary agencies, the UN and host country governments.

Since post-harvest food losses have been designated by AID as a major problem area, it has sponsored a series of regional seminar on the subject. Reports indicate that these seminars have helped reduce food losses.

## 2. Natural resources, including energy.

## a. Renewable and non-renewable.

AFRICA

| <u>CAMEROON</u> |                                   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|-----------------------------------|------------|------------|------------|
| 6310012         | Mandara Mountains Water Resources | --         | 1,000      | 1,000      |

This project proposes to eventually build 35 small dams in the Mandara mountain region of the North Cameroons in an effort to assure year-round resources of water. In FY 1980 six of these dams will be built for the people living here.

ASIA

| <u>THAILAND</u> |                                   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|-----------------------------------|------------|------------|------------|
| 4930304         | Renewable/Non-Conventional Energy | --         | --         | 5,000      |

AID will provide funds, technical assistance, and training to help the Electric Generating Authority of Thailand (EGAT) establish an EGAT Energy Laboratory. Its purpose will be to develop and test specific energy technologies and to evaluate their technical, economic, and cultural feasibility in Thailand.

LATIN AMERICA

| <u>COSTA RICA</u> |                                     | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------|-------------------------------------|------------|------------|------------|
| 5150149           | Energy Development and Conservation | --         | --         | 3,000      |

This project will provide technical assistance training, and an energy information access system that will create a unit in Costa Rica capable of planning for developing renewable energy sources that can substitute for oil.

NEAR EAST

| <u>JORDAN</u> |                      | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------------|----------------------|------------|------------|------------|
| 2780202       | Minerals Development | 250        | 1,250      | --         |

This project will perform an airborne magnetic and radiation survey producing magnetometer profiles, contour maps, magnetic tapes, and a geographical report analyzing and interpreting the data giving the mineral resources in Jordan.

## 2.b. Conventional and non-conventional sources of energy.

AFRICA

| <u>BURUNDI</u> |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------|-----------------------|------------|------------|------------|
| 6950103        | Alternate Energy Peat | --         | --         | 2509       |

The purpose is to assist the Government of Burundi exploit its natural resource of peat or an alternative form of energy for rural and light commercial

cial consumption, in order to reduce further depletion of scarce wood resources which is having a degrading effect via soil erosion in existing agricultural producing lands.

This project intends to determine the quantity and quality of Burundi's peat resources as well as the best technical means to harvest these resources. Further-

This project intends to determine the quantity and quality of Burundi's peat resources as well as the best technical means to harvest these resources. Furthermore, the project determined the best means to make peat available to Burundi's rural population and its local acceptability a viable form of alternative energy.

### ASIA

| <u>BANGLADESH</u>             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------------------|------------|------------|------------|
| 3880021 Rural Electrification | 21,000     | 13,000     | --         |

This project will extend rural electrification at reasonable rates to selected rural areas to energize pumps for small scale irrigation, develop rural industries and provide power for community service facilities. Training programs will be initiated at the ministry and local levels, and equipment and supplies will be procured for the construction of the electrification system.

### NEAR EAST

| <u>JORDAN</u>                              | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 278-0237 Alternative Energy Research Solar | --         | --         | 700        |

The purpose is the design, construction operation and maintenance of a 150-300 kw solar/thermal electric power generating pilot plant; evaluating the economic feasibility of replicating small and rural communities throughout Jordan.

Technical assistance is to be provided for designing and constructing a pilot plant which will generate 150-300 kw of electric power by use of solar energy. Following construction, the plant's operation will be evaluated to determine the economic feasibility of using solar energy as an alternative energy resource in Jordan.

### LATIN AMERICA

| <u>REGIONAL OFFICE OF CENTRAL AMERICA AND PANAMA</u> | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 5960086 Non Conventional Energy Studies              | --         | --         | 300        |

The project proposes to establish a regional non-conventional energy feasibility study.

The study was designed to cover six (6) areas:

- (1) Information/statistics gathering for planning purposes;
- (2) Oil; evaluate oil potential and provide technical assistance in oil exploration/development.
- (3) Geothermal energy; technical assistance in evaluating/developing resources.
- (4) Studies and project development for national electric interconnections.
- (5) Assistance for alcohol production and other non-conventional energy resources.
- (6) Energy related personnel training.

| <u>INTERREGIONAL</u> |                          | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|--------------------------|------------|------------|------------|
| 0352515              | Decentralized Hydropower | --         | 1,000      | 1,500      |

This project will fund three large demonstrations of regional electricity generation through small hydroelectric installation. AID will select three countries and do feasibility studies and technical assessments. After the specifics of each project are defined, AID will help to install the systems and train local technicians to operate them.

#### 2.c. Development and conservation.

##### AFRICA

| <u>SOMALIA</u> |                                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------|---------------------------------------|------------|------------|------------|
| 6490104        | Comprehensive Groundwater Development | --         | 500        | 1,000      |

Phase I of the project will consist of a groundwater exploration program covering the entire country, including well drilling, assistance from hydrogeologists, and on the job training for personnel of the Water Development Agency. Phase II will continue with well drilling and construction of water distribution systems.

##### ASIA

| <u>NEPAL</u> |                                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|---------------------------------------|------------|------------|------------|
| 3670132      | Resource Conservation and Utilization | --         | --         | 3,300      |

The purpose of the project is to identify, develop and test approaches to conservation and reforestation in representative mountain areas of Nepal. Specific activities to directly control the land degradation and water loss will include: (1) identification and testing of practices that reduce erosion

in the mountains, (2) testing of mountain catchment management systems to improve the use of water and reduce flood peaks, (3) identification and introduction of technology to improve production on arable farm land, (4) identification of land unsuitable for cultivated crops and recommendations for alternative uses, (5) assisting with reforestation of suitable lands; and (6) developing farming systems involving both crops and livestock which make better use of the resources available in the mountains.

### LATIN AMERICA

#### BOLIVIA

|         |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|--|------------|------------|------------|
| 5110509 | Conservation & Environment Protection II | --         | 500        | 500        |

The purpose of this project is to develop the institutional capacity to manage Bolivia's land, water, plant and animal resources. It provides for technical assistance and training of governmental officials in the Ministries of Planning and Agriculture, an inventory of Bolivia's resources in various ecological zones, a socio-cultural analysis of factors influencing environmentally harmful farming and livestock practices, and expansion of curriculum in the agricultural school in Cochabamba.

#### INTERREGIONAL

|         |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|---|------------|------------|------------|
| 909P( ) | Political, Economic and Social Dimensions of Natural Resource Degredation | --         | --         | 200        |

The project is designed to provide policy relevant information on the political, economic and social aspects of natural resource degradation, through contracted research and studies.

#### 2.d. Rational Management and Utilization.

### AFRICA

#### KENYA

|         |                                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|------------------------------------|------------|------------|------------|
| 6150157 | National Range - Ranch Development | 1082       | 681        | 998        |

Civil engineers will be utilized to assist GOK planning teams in the design, planning for range and ranch water development. In addition, training specialists will give practical guidance in livestock and range management and in monitoring range trends. AID will finance the academic training of 50 students specializing in this field.

### ASIA

#### PAKISTAN

|         |                          | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|--------------------------|------------|------------|------------|
| 3910413 | On-Farm Water Management | 317        | 750        | 750        |

The aim of this project will be to establish a public and private sector capability to plan and deliver on-farm water management services, including the

improvement of irrigation water sources, the precise leveling of farmlands, and the improvement of crop and water management practices, targeted particularly to small and medium-size farmers.

#### NEAR EAST

| <u>SYRIA</u> |                                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|---------------------------------|------------|------------|------------|
| 2760020      | Soil Survey/Land Classification | 2,200      | 1,350      | 700        |

This project will provide training and technical assistance, strengthen the Syrian Arab Republic's capacity to undertake and maintain a current inventory of its land/soil resources and to perform analyses and interpretations of data necessary to guide policy formulation and decision-making regarding land/soil resource allocation and use.

#### LATIN AMERICA

| <u>EL SALVADOR</u> |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------|---|------------|------------|------------|
| 5190217            | Small Farm Natural Resources Management | --         | 155        | 125        |

This is a pilot project designed to identify, improve, and expand the adoption of appropriate natural resource management practices in the small farm sub-sector. This will include establishing community-level nurseries, campesino level training, and establishing agricultural extension offices.

| <u>INTERREGIONAL</u> |                            | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|----------------------------|------------|------------|------------|
| 0211007              | Water Management Synthesis | 1,000      | --         | 710        |

This is to improve the design, implementation, operation, and evaluation of AID water-management and on-farm water management projects. This will be achieved through the analysis of on-farm irrigation systems, developing a training course and seminar for on-farm irrigation system analysis, and developing an information center and data bank for this purpose.

### 3. Health, Human Settlements, and Environment:

#### a. Medicinal plants and pharmaceuticals.

#### ASIA

| <u>INDONESIA</u> |                               | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|-------------------------------|------------|------------|------------|
| 4970253          | Expanded Program Immunization | --         | 12,000     | --         |

This project will provide large segments of the Indonesian population with protective immunization against tuberculosis, diphtheria, pertussis and tetanus. Massive manpower development will fulfill the needs for logistics transportation, vaccine production, management, administration and evaluation.

INTERREGIONAL

|         |                                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|----------------------------------|------------|------------|------------|
| 0420453 | Malaria Immunity and Vaccination | 1,352      | 1,566      | 2,276      |

This project made a breakthrough in developing a system of continuous in-vitro culture of malaria parasites. This system is now being used world wide in immunology research. A determination of optimum conditions for continuous culture on a large scale is to be developed as well as an immunologically potent continuous culture of malaria parasites.

## 3.b. Health services.

AFRICASUDAN

|         |                              | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|------------------------------|------------|------------|------------|
| 6500011 | N. Sudan Primary Health Care | 1,900      | 2,700      | 1,100      |

Through this project, AID intends to accelerate, expand and strengthen the ability of the government of Sudan to deliver primary health care services to the rural areas of Northern Sudan. AID will fund advisors, equipment supplies and vehicles, construction and training of health service workers, and assist with the development of a national data system of vital statistics.

ASIAINDONESIA

|         |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|---|------------|------------|------------|
| 4970273 | Health Training, Research and Development | 600        | 1,000      | 850        |

The project will help to reorganize and strengthen the public health capability of the government of Indonesia to enable it to make health programs more effective; and responsive to health needs of the poor in terms of coverage and quality. Activities funded through the project include: consultant services, training, health surveys, development of evaluation systems and health care delivery techniques.

NEAR EASTAFGHANISTAN

|         |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|-----------------------|------------|------------|------------|
| 3060144 | Basic Health Services | 1,080      | 4,200      | 5,000      |

The project establishes a demonstration health care system and develops management systems at the central ministry level capable of supporting the regional and eventually a national health care system. During the project life, villagers will be recruited and trained; a referral system developed; and basic health care center will be constructed.

LATIN AMERICA

| <u>HONDURAS</u> |                                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|----------------------------------|------------|------------|------------|
| 5220130         | Integrated Rural Health Services | 268        | 360        | 590        |

The project's purpose is to increase Honduran institutional capacity to provide effective basic health services in rural areas. Activities include construction of three paramedic training centers, training of nurses, health workers, and midwives, curriculum development, and purchase of equipment.

| <u>INTERREGIONAL</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|--|------------|------------|------------|
| 0430838              | Grant to International Planned Parenthood Federation | 14,404     | 13,125     | 13,200     |

This project will strengthen the International Planned Parenthood Federation. Major efforts include: community based distribution of contraceptives in rural and inner city areas, information and education, especially for youth, medical and clinical activities, training, women's programs, innovative information and services, delivery systems, project-related research and dissemination of current medical and educational information.

## 3.c. Housing.

LATIN AMERICA

| <u>COSTA RICA</u> |                   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------|-------------------|------------|------------|------------|
| 5150153           | Urban Development | 5,500      | --         | --         |

  

| <u>INTERREGIONAL</u> |                        | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|------------------------|------------|------------|------------|
| 0340221              | Ultra Low Cost Shelter | 95         | 75         | --         |

The purpose of this project is to explore, in cooperation with developing countries, selected technological innovations that can greatly reduce the costs of economic infrastructure activities that are heavy users of public funds. Anti-disaster shelter design and construction technology will be developed.

## 3.d. Social services and environment.

AFRICA

| <u>GHANA</u> |                                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|---------------------------------------|------------|------------|------------|
| 6410073      | District Planning & Rural Development | --         | 1,500      | 800        |

In an effort to improve rural life, this project will enhance the capacity of local bodies in designing, implementing and evaluating public works projects.

125

The first phase will involve an advisor working with one district government in preparing a development plan and budget. This will be followed by a second phase in planning and implementing projects through village community organizations at the district level.

NEAR EAST

| <u>EGYPT</u> |                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------|------------|------------|------------|
| 2630029      | Family Planning | 4,000      | 6,500      | 7,000      |

This project will improve the quality of family planning services offered by the Ministry of Health through the provision of advisory services, training support of staff and selected program operations and contraceptive supplies. The program will focus on a) expansion of the integrated village social services delivery system b) training of medical school graduates in family planning and maternal/child health care c) renovation of the major obstetrics and gynecology hospital training center in Cairo d) provision of contraceptive supplies and related medical equipment and e) implementation of mass media-type information and education programs.

LATIN AMERICA

| <u>HAITI</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|--|------------|------------|------------|
| 5210087      | Maternal Child Health/<br>Family Planning II | 975        | 1,462      | 1,618      |

The purpose of this project is to make voluntary family planning services available to a large percentage of the Haitian population. AID will continue to focus its efforts on the expansion of the Maternal Child Health/Family Planning service delivery network by 1) establishing two voluntary surgical contraception clinics 2) renovating of rural dispensaries 3) training rural health workers and nurses and 4) extending coverage in child nutrition and health through mobile units.

| <u>INTERREGIONAL</u> |             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|-------------|------------|------------|------------|
| 0430622              | 1980 Census | 1,383      | 1,430      | 1,150      |

This project will increase the capability of developing countries to collect, process and disseminate timely and reliable census data during the 1980 census period. The technical assistance is provided by the Bureau of the Census and a second contractor is designed to expand the scope and utility of the census in the area of population dynamics; to combine sampling applications with complete enumeration; and to provide comprehensive information on the factors bearing on population growth.

## 4. Transportation and Communications.

AFRICASIERRA LEONE

|         |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|-----------------------|------------|------------|------------|
| 6360111 | Rural Roads II (CARE) | 1,800      | 1,141      | 1,050      |

Through the construction and rehabilitation of rural roads, small subsistence farmers will have increased access to agricultural markets and developmental services. The project will finance, through CARE, 150 miles of rural roads, surveying, designing and construction. In addition, two bridges will be built.

ASIAPHILIPPINES

|         |                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|----------------|------------|------------|------------|
| 4920297 | Rural Roads II | 7,000      | 10,617     | --         |

The project will design, survey and construct 180 kilometers of road and 1,570 lin. m. of bridges. In addition, 28 provincial governments will receive training in planning, budgeting, designing, and construction of infrastructure projects. Together, these activities will stimulate development in relatively isolated and lower income rural areas of the Philippines.

NEAR EASTEGYPT

|         |                                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|--------------------------------|------------|------------|------------|
| 2630063 | Development Information System | 1,000      | 500        | 300        |

The goal of the project is to increase the capacity of the government of Egypt to utilize mass media effectively to bring about changes in the attitudes and understandings of the rural and urban poor in connection with the social and economic development programs of the various ministries. The Ministry of Information and Culture is planning to establish a communications center for development and four regional centers which will assist all ministries to produce programs, newspapers, booklets, etc. AID will fund contract consultants to assist in the establishment of the Public Opinion Center.

LATIN AMERICALATIN AMERICA REGIONAL

|         |                              | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|------------------------------|------------|------------|------------|
| 5980556 | Experimental Radio Education | 200        | --         | 250        |

In order to extend and improve radio instruction, particularly in English-speaking Caribbean countries, AID is helping to develop governments' institutional capability to provide support services to educational radio activities. Consultants, equipment, and training will be provided; project resources will be centered in Kingston and result in new programming.

| <u>INTERREGIONAL</u> |                                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|----------------------------------|------------|------------|------------|
| 0411109              | Communication Technology Studies | 771        | 300        | 620        |

The project will assist in the analysis and adaptation of existing knowledge and experience to projects that make use of communication technology in development. AID will catalog its own uses of communication methods and media in development projects; analyze the operating assumptions about the role of communications in achieving development objectives and suggest considerations for the development of more effective strategies for AID in this area. Countries of major impact include: Yemen Arab Republic, Bolivia, Indonesia, Ghana, and the Sahel group.

5. Industrialization, including production of capital goods.

ASIA

| <u>BANGLADESH</u> |                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------|------------------|------------|------------|------------|
| 3880042           | Rural Industries | --         | --         | 5,000      |

The purpose of the project is to create increased non-farm rural employment opportunities in Bangladesh through the support of selected rural industries. To assist in meeting this goal, the project will support the Ministry of Industries and the Bangladesh Bank in their programs of rural industrial promotion by supporting the development of new product design center and the expansion of credit. In addition, the project will finance the import of selected non-available inputs to industries which have an export potential.

NEAR EAST

| <u>EGYPT</u> |                            | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|----------------------------|------------|------------|------------|
| 2630078      | Private Sector Development | --         | 1,000      | 1,500      |

The project aims to stimulate private sector production and services oriented to address primary constraints for Egyptian small and medium size private sector enterprises. A consultant will assist in strengthening existing institutions by providing advice, training and recommending equipment to improve operations. Finally a multi-disciplinary advisory group for continued promotion of small scale industry will be established.

LATIN AMERICA

| <u>HAITI</u> |                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|---------------------------|------------|------------|------------|
| 5210074      | Agricultural Feeder Roads | 1,050      | 180        | 536        |

This project support industrialization by encouraging local engineering firms and construction contractors in all phases of this roads construction project. A pilot project will develop administrative procedures, training

materials and reports necessary for undertaking a broader labor-intensive road reconstruction/maintenance program.

| <u>INTERREGIONAL</u> |                              | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|------------------------------|------------|------------|------------|
| 0341161              | Low Cost Roofing Utilization | --         | 125        | 605        |

The project is designed to provide LDCs with a capability to locally manufacture and install low cost roofing. Major beneficiaries of the project will be the local construction industry, which will be assisted in augmenting local products and technology and developing new materials and borders.

6. Multi-subject/other.

AFRICA

| <u>DJIBOUTI</u> |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|---|------------|------------|------------|
| 6030001         | Agricultural Sector<br>and Manpower Development | --         | 1,000      | 700        |

The purpose is to establish a comprehensive knowledge base of the potential development resources and training requirements of Djibouti making possible identification and implementation of development activities in such areas as small holder agriculture, water development/management, and fisheries.

A number of short term experts are looking into the soils, hydrology and water resources of Djibouti as well as the potential of development of fisheries and perhaps introduction of salt tolerant crops. The requirements of the livestock sector will also be considered. All activities investigated will also appraise the training and manpower requirements and develop proposals to meet them.

ASIA

| <u>PHILIPPINES</u> |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------|---|------------|------------|------------|
| 4920295            | Economic and Social Impact/<br>Women in Development | 1,000      | 1,000      | 500        |

Designed to help improve the measurement of economic progress, social change, and the impact of development projects, including affects on Filipino women. The GOP lacks a methodology suitable to measure the achievement of its social goals, including the extent to which women are participating in and benefiting from the development process. It also lacks suitable means for determining the impact of individual projects in relation to the country's long-term development goals. This project intends to fill those gaps with technical and financial assistance for studies, surveys and training activities designed to measure social progress.

NEAR EASTEGYPT

|         |                                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|--------------------------------|------------|------------|------------|
| 2630016 | Applied Science and Technology | 4,200      | 1,000      | 5,200      |

The purpose is to improve Egypt's institutional capability to develop and manage applied science and technology research addressing priority development problems.

The program will provide the Egyptian Academy of Scientific Research and Technology (ASRT) and the National Research Center training and advisors to improve management skills and policy planning and carry out research projects. Research and demonstration projects are designed for applied use and to deal with problems of national interest.

LATIN AMERICABOLIVIA

|         |                                     | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|-------------------------------------|------------|------------|------------|
| 5110451 | Basic Food Production and Marketing | 1,100      | 1,164      | 1,300      |

The project is designed to 1) develop improved small farm technologies and management practices in Central and Eastern Bolivia; 2) develop extension methodologies for transferring improved technologies and production practices; and 3) improve sector management. The project will strengthen research and extension services, finance small farmer credit and provide improved access to inputs and markets.

INTERREGIONAL

|         |                                      | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|--------------------------------------|------------|------------|------------|
| 0321071 | Appropriate Technology International | 5,000      | 2,200      | 5,000      |

ATI is a private voluntary organization designed to deal flexibly and rapidly with a variety of requests for funding small innovative projects. AID funds go to support its activities.

## 7. Education and Training.

AFRICAAFRICA REGIONAL

|         |                                      | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|--------------------------------------|------------|------------|------------|
| 6980384 | African Manpower Development Project | 4,335      | 4,850      | 4,920      |

The purpose of this project is to meet critical requirements for managerial and technically skilled manpower in African countries in order to enhance their contributions in priority development related fields. Funds will provide training in the United States and Africa in agriculture related fields, economics, education, management and public health at the graduate and undergraduate levels.

ASIA

| <u>ASIA REGIONAL</u>                     | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 4980259 Regional Malaria Training Center | --         | 1,000      | 1,450      |

Under this project, the leadership, operational and management capabilities of personnel involved in malaria control programs in Asia will be enhanced. AID will support site improvement, furnishing of equipment and supplies and staff for a regional malaria center. In the center, professionals will be trained in advanced and intermediate practices in controlling this communicable disease. AID will also support regional research at the center as a part of the training program.

NEAR EAST

| <u>SYRIA</u>                         | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------------------------|------------|------------|------------|
| 2760004 General Participant Training | 850        | 850        | 1,100      |

This project will provide specialized training in the United States for key Syrian technicians and government officials. The focus of this project is on practical and technical skills and methods applications rather than on academic disciplines or degree-type training, although some academic training will be provided. The programs will initiate both short- and long-term training in priority sectors, particularly agriculture and industry with special emphasis on enhancing the skills of Syrian middle level technicians and policy makers who have important roles in the Syrian development process.

LATIN AMERICA

| <u>LATIN AMERICA REGIONAL</u>                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---|------------|------------|------------|
| 5980572 Science and Technology Information Transfer | 250        | 250        | 350        |

The purpose of the project is to improve the access of nations of Latin America and the Caribbean to scientific and technical information and patents resulting from U.S. Government investment in research and development, and to appropriate technology information resulting from worldwide research and development. The project will strengthen the existing U.S. NTIS (National Technical Information Service) especially in areas of interest to Latin American development experts. Training in the use of the system is provided for through conferences and training seminars.

| <u>INTERREGIONAL</u>   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 04:0070 UN Fellows Training Services from Other Federal Agencies | 1,524      | 1,500      | 1,700      |

Many U.S. Federal Agencies provide assistance in the training of United Nations and specialized agencies Fellows. This project reimburses those agencies

ILLUSTRATIVE PROJECTS  
FOR SELECTED SPECIAL CONCERNS

## 1. Applied Research

| <u>INTERREGIONAL</u>  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---|------------|------------|------------|
| 0210310 International Laboratory for<br>Research on Animal Diseases (ILRAD) | 1,970      | 2,150      | 2,200      |

This project plans to foster cooperative basic research programs in an effort to develop control methods for two major diseases that limit livestock production in Africa: Typanosomiasis and East Coast Fever (Theileriosis). Special emphasis has been on determining the make up of the trypanosome parasite that enables it to check the natural growth mechanism of the animal, as well as the development of affective drugs.

## 2. Basic Research

| <u>INTERREGIONAL</u>                      | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---|------------|------------|------------|
| 0210452 Sorghum Protein Content & Quality | 305        | --         | --         |

The purpose of this project is to improve the nutritional quality of sorghum grain. Of particular concern will be 1) the isolation and evaluation of the genes controlling the high lysine content of grain and 2) a study of the effect of tannin on protein and carbohydrate digestion.

## 3. Appropriate Technology

| <u>PERU</u>                            | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 5270162 Appropriate Rural Technologies | 300        | 445        | 300        |

This project will develop an Office of Appropriate Rural Technology for the purpose of generating, testing, and disseminating appropriate rural technologies, in particular, to the sierra rural poor. In addition, the project will complete eight feasibility studies in four categories of rural technology: on-farm technology, off-farm employment generation, alternative rural energy sources, and rural housing sanitation.

## 4. Development research

| <u>GHANA</u>   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 6410084 Development and Applications<br>of Intermediate Technology | 500        | 400        | 650        |

This project will create a system capable of providing information for the development of various low cost technologies by 1) identifying new technologies

which can be fabricated and maintained by rural and urban entrepreneurs and utilized by small farmers and the rural poor, 2) design adaptations of these technologies to meet Ghanaian needs and manufacture and test prototypes of them in Ghana, 3) assist entrepreneurs and artisans in the production and marketing of technologies, 4) encourage and train farmers and others in the use and maintenance of the technologies, 5) relate and coordinate intermediate technology development in Ghana to similar efforts occurring in institutions outside Ghana, and 6) establish a central depository and information system for intermediate technology.

## 5. Title XII - research

| <u>INTERREGIONAL</u> |                               | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|-------------------------------|------------|------------|------------|
| 0358526              | Biomass Production for Energy | --         | 1,000      | 2,660      |

Utilization of biomass for energy can constitute one of the largest single energy sources in the developing world. About 50% of the energy used by LDC's comes from biomass (wood and agricultural waste). Unfortunately, what should be a renewable energy resource is being used at a rate that far exceeds its replacement rate. The project would create forces for continued advancement in biomass improvement, in LDC planning for biomass planting and use and in technology of planting, cultivation and harvest, utilizing a contortium of seven U.S. universities that are leaders in fast growth, short rotation biomass, and the U.S. forest service persons in the AID energy office.

## 6. Title XII - institution building

| <u>INDONESIA</u> |                              | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|------------------------------|------------|------------|------------|
| 4970290          | Graduate Agricultural School | --         | 5,000      | --         |

The purpose is to improve the Agricultural University at Bogor (IPB) to become a top training center for Indonesian agriculturalists and university faculty. The proposal is a 10-15 year master plan for creating a first rate agricultural university, including a new campus and expanded and upgraded faculty and administration with assistance from the University of Wisconsin and AID. Support from the latter is expected to include technical assistance and commodity support for the library and extension center.

## 7. Title XII - Advisory Services

| <u>INTERREGIONAL</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|--|------------|------------|------------|
| 024-1006             | Farming Systems Research and Development Methods | 1,200      | --         | --         |

To improve the capability of agricultural R & D systems in LDCs to generate and diffuse technology innovations in intensive production systems for small farm agriculture that increases food production and income.

## 8. Women in development

| <u>LATIN AMERICA REGIONAL</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------------------|--|------------|------------|------------|
| 5980600                       | Appropriate Technology for Rural Women | --         | 182        | 112        |

To develop, test, and introduce appropriate technologies for the care of rural women engaged in agriculture and animal husbandry, in cottage industry, and in the performance of their home tasks. The resulting benefits include increasing agricultural production, increasing sources of income to agricultural women and their families, and lightening the burdensome and time-consuming tasks of these rural homemakers.

## 9. Environment

| <u>EL SALVADOR</u> |                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------|---------------------------|------------|------------|------------|
| 5190214            | Environmental Improvement | --         | 100        | 285        |

AID will assist the government of El Salvador to establish an effective mechanism for preventing environmental degradation during the development process and to the extent possible, improving environmental quality. The project provides for technical assistance by an environmentalist, a survey of the environmental situation and critical problems; development of laws and regulations, and the establishment of an environmental office with managerial capability. Environmental testing equipment will be supplied.

## 10. Energy

| <u>LATIN AMERICA REGIONAL</u> |                              | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------------------|------------------------------|------------|------------|------------|
| 5980601                       | Energy Resources Development | --         | --         | 624        |

The project provides selected Latin American countries with technical assistance which will help them undertake energy sector surveys, assessments, and prefeasibility and feasibility studies leading to the adoption of national energy planning systems and the improved exploitation of conventional and non-conventional sources. AID will promote host country participation, seminars and workshops on energy, feasibility studies, and other face-gathering efforts.

## 11. Education and training

| <u>LIBERIA</u> |                     | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------|---------------------|------------|------------|------------|
| 6690131        | Vocational Training | 800        | 1,900      | 1,500      |

The objective is to restructure the secondary vocational program at Booker Washington Institute (BWI) to produce employable graduates for identified middle level manpower skill requirements. It will upgrade the curriculum, staff and facilities of the BWI to the level of a quality vocational high school.

## 12. Institution building

ASIAINDONESIA

|         |                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|---------------------------|------------|------------|------------|
| 4970311 | Soil Conservation Program | --         | --         | 9,000      |

This project will establish a national soil conservation organization to address the serious problems of soil degradation, flooding, silting, etc. In addition, assistance will be provided to strengthen already existing governmental agencies and university facilities concerned with conservation.

SECTION 5: NEW OR SIGNIFICANTLY EXPANDED PROJECTS UNDER EACH UNCSTD AGENDA ITEM

This section identifies and contains brief descriptions of 117 projects that are:

- new projects budgeted to start FY 1980 with \$1 million or more in funds; or
- ongoing projects budgeted for expansion in FY 1980 by \$1 million or more over FY 1979.

Budget figures are believed correct as of December 21, 1978.

1. Science and Technology for Development:

- a. The choice and transfer of technology for development.

AFRICA

TANZANIA

|         |                          | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|--------------------------|------------|------------|------------|
| 6210151 | Zanzibar Rice Production | --         | --         | 1,825      |

To support increased production of rice on Zanzibar. Given the GOT policy of achieving self-sufficiency in basic food crops by the 1980s, efforts should be made to produce more food locally to reduce imports. Intensification of production in existing paddy areas with low cost irrigation could provide yields three times as high as at present and eliminate rice imports by 1983/84 and create additional employment.

RWANDA

|         |                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|--------------------|------------|------------|------------|
| 6960110 | Area Development I | --         | --         | 2,320      |

The primary purpose of this project is to increase food production in one concentrated area. In addition, A.I.D. would look to this approach to address health and family planning needs in the same region.

ASIA

BANGLADESH

|         |                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|------------------|------------|------------|------------|
| 3880042 | Rural Industries | --         | --         | 5,000      |

The purpose is to increase non-farm employment opportunities in Bangladesh through the support of selected rural industries. To assist in meeting these problems, the project will support the Ministry of Industries and the Bangladesh Bank in their programs of rural industrial promotion by supporting the development of new product design centers and the expansion of credit. In addition, the project will finance the import of selected non-available inputs to industries which have an export potential.

| <u>INDONESIA</u> |                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|-----------------|------------|------------|------------|
| 4970270          | Family Planning | 4,180      | 5,190      | 6,500      |

This project is a continuation of USAID family planning assistance and provides support for clinic and village family planning on Java and Bali as well as on the Outer Islands. USAID assistance in FY 78 consisted of support for vehicles, training, medical equipment for sterilization and local costs for the expansion and strengthening of village family planning.

| <u>INDONESIA</u> |                         | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|-------------------------|------------|------------|------------|
| 4970271          | Oral Contraceptive Loan | 7,000      | 7,000      | 8,000      |

The purpose is to double the prevalent use of oral contraceptives throughout Indonesia and begin transition of funding from the U.S. to the Government of Indonesia. The project consists of importing \$40 million worth of oral contraceptives while the Government builds up local production. The outputs consist of doubling total contraceptive service outlets and users.

| <u>THAILAND</u> |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|---|------------|------------|------------|
| 4930304         | Renewable/Non-conventional Energy Development | --         | --         | 5,000      |

To develop and test specific energy technologies to evaluate their technical, economic and cultural feasibility in Thailand and to provide Thai decision makers with information and data enabling knowledgeable and coordinated energy policy. AID will fund technical assistance and training to help the Electric Generating Authority of Thailand (EGAT) establish an EGAT Energy Laboratory through a sister institute linkage with a renowned U.S. energy technology institution and through personnel exchanges with other U.S. organizations.

NEAR EAST

| <u>EGYPT</u> |                                   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------------------------|------------|------------|------------|
| 2630067      | University Instructions Materials | 2,500      | 1,500      | 3,000      |

This project will introduce modern educational technology into the teaching and learning methods and materials of Egyptian university education. Two central university libraries patterned after modern library practices will be established as well as a Department of Educational Technology at the largest university. Two schools of modern library science will be developed. The establishment of a publishing industry to produce Arabic language textbooks consistent with modern educational technology will be encouraged.

| <u>EGYPT</u> |                             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------------------|------------|------------|------------|
| 2630104      | Rural Employment Generation | --         | --         | 2,000      |

The purpose is a) To directly create 12,500 new off-farm jobs in rural Egypt; b) to indirectly facilitate the creation or improved productivity of

100,000 off-farm jobs; and c) to improve labor productivity in selected categories of non-farm employment. The focus of the project will be on technically and economically sound privately owned ventures.

| <u>SYRIA</u> |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------------|------------|------------|------------|
| 2760031      | Agricultural Research | --         | --         | 1,700      |

The purpose is to strengthen the agricultural research capability of the Syrian Government and enhance its ability to disseminate newly acquired agricultural information to the rural areas. Specific areas of research will include development of new crop varieties, new and improved technologies for livestock production, disease and pest control practices, cropping and water management, and mechanization.

#### LATIN AMERICA

| <u>COSTA RICA</u> |                                     | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------|-------------------------------------|------------|------------|------------|
| 5150149           | Energy Development and Conservation | --         | --         | 3,000      |

Creating a unit in Costa Rica capable of working with renewable energy sources as a substitute for oil will require technical assistance, training and an energy information system. Technical assistance and training will prepare this unit in the technical fields of renewable energy development as well as in the planning, environmental and socio-economic aspects. An energy information system will provide the unit with quick access to the specifications, costs, problems and benefits of energy research findings worldwide.

| <u>DOMINICAN REPUBLIC</u> |                                   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------------------------|-----------------------------------|------------|------------|------------|
| 5170125                   | Superior Institute of Agriculture | --         | --         | 2,000      |

A.I.D. assistance has been requested to establish, at the Instituto Superior de Agricultura (ISA), a unit which will serve the training needs of the public sector in rural administration and management. The center will serve all institutions promoting agricultural development in the Dominican Republic.

| <u>HONDURAS</u> |                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|--------------------|------------|------------|------------|
| 5220157         | Rural Technologies | --         | 850        | 1,900      |

The purpose is to increase rural off-farm employment and income through the establishment of small-scale rural enterprises and industries; and to increase small farmer productivity and income through the development and dissemination of improved light capital technologies. It will support expansion of the Ministry of Natural Resources' research on light capital farm technologies and develop methods for their dissemination.

- 1.b. Elimination of obstacles to the better utilization of knowledge and capabilities in science and technology for the development of all countries, particularly for their use in developing countries;

AFRICAKENYA

|         |                              | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|------------------------------|------------|------------|------------|
| 6150169 | Agricultural Systems Support | 23,200     | 4,700      | 17,200     |

This is a multi-component project involving assistance for increasing Kenya's pool of trained agricultural manpower for undertaking a significant increase in range research, for improving the provision and delivery of agricultural credit, for increasing the capacity of the cooperative sector to serve the small landholder, and for improving on-farm and cooperative level crop storage.

KENYA

|         |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|-----------------------|------------|------------|------------|
| 6150177 | Rural Health Delivery | --         | 4,700      | 5,750      |

The purpose of this project is to increase the capability of the Ministry of Health of the GOK to implement its 10-year Rural Health Program by paramedical training of 450 people and renovating 225 new health clinics.

TANZANIA

|         |                                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|--------------------------------|------------|------------|------------|
| 6210149 | Training for Rural Development | --         | 750        | 2,985      |

This project is aimed at augmenting the training of the managerial and technical staffs of selected ministries and parastatal organizations most directly associated with the activities contributing to rural development.

TANZANIA

|         |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|--|------------|------------|------------|
| 6210143 | Arusha Regional Planning and Village Development | 6,834      | 1,577      | 4,353      |

The purpose of this project is to strengthen the capabilities of Arusha Region, three of its districts, and up to 120 villages within these districts to identify, implement, and evaluate developmental activities that would provide for local water systems, road improvements, agriculture extension programs and the introduction of intermediate technology.

TANZANIA

|         |                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|--------------------|------------|------------|------------|
| 6210148 | Rural Access Roads | --         | 1,500      | 3,905      |

This project is to establish a functioning decentralized rural roads construction and maintenance capability by expanding and rehabilitating the rural road network in Dodoma, Singida and Kilimanjaro Regions.

| <u>SUDAN</u> |                               | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-------------------------------|------------|------------|------------|
| 6500021      | Southern Manpower Development | 2,000      | --         | 1,000      |

The purpose of this project is to strengthen the human resource base in the southern Sudan through improvements in the training and utilization of agricultural personnel in the Ministry of Agriculture and its extension-service facilities who work, or will work, with small farmers.

| <u>ZAIRE</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|--|------------|------------|------------|
| 6600059      | North Shaba Integrated Rural Development Project | --         | --         | 4,000      |

This project is designed to identify and begin processes which will foster increased production by small farmers, through the training of agricultural research agents and technologists, an improved transportation network, and a reliable marketing system.

| <u>AFRICA REGIONAL</u> |                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------------|--------------------|------------|------------|------------|
| 698EEEE                | Energy Initiatives | --         | --         | 1,065      |

The purpose is to develop and provide technically feasible, cost-effective, and socially acceptable options to Africa's present dependence on fossil fuels and firewood to meet the growing needs of Africa's urban and rural populations. The project will include pilot projects, the testing and demonstration of technologies for rural applications, experiments with village woodlots, and fast-growing species, village-level surveys, and assisting energy assessments and planning.

#### ASIA

| <u>BANGLADESH</u> |                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------|------------------|------------|------------|------------|
| 3880012           | Rural Irrigation | --         | --         | 7,582      |

This project will support development of relatively small (100-200 acres) irrigation sub projects in six districts through the Rural Works Program of the Ministry of Rural Development, as a means of increasing crop production and as a source of dry season employment.

| <u>BANGLADESH</u> |             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------|-------------|------------|------------|------------|
| 3880032           | Rural Roads | --         | 2,000      | 12,000     |

This project will construct and improve the rural road infrastructure which links small farms to markets and to government and private sector services in selected project areas.

| <u>BANGLADESH</u> |                            | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------|----------------------------|------------|------------|------------|
| 3880001           | Population/Family Planning | 7,810      | 8,500      | 11,800     |

The purpose of this activity is to assist in developing a functioning national institutional structure providing for family planning services and population/family planning information and education on a continuing basis.

| <u>BANGLADESH</u> |                                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------|----------------------------------|------------|------------|------------|
| 3880046           | Flood and Cyclone Warning System | --         | --         | 5,000      |

The project proposes to re-equip, test and train personnel for the Bangladesh Automatic Picture Transmission Satellite ground station so that it will be capable of fully utilizing the data output of the Tyros "N" meteorological satellite for cyclone warning. In addition, the project will establish a river flood warning system.

| <u>BANGLADESH</u> |                        | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------|------------------------|------------|------------|------------|
| 3880038           | Family Welfare Centers | --         | --         | 1,000      |

The purpose of the Family Welfare Centers project is to bring health services within reach of rural people who cannot now obtain such services because they are isolated and poor. Funding will support the construction of Family Welfare Centers/Dare Care Polyclinics. Comprehensive health services will be provided through outreach programs from the clinics and through linkages with village health volunteers who receive training, commodities and supervision from the personnel in the centers.

| <u>PAKISTAN</u> |                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|-----------------|------------|------------|------------|
| 3910424         | Malaria Control | --         | --         | 5,000      |

The aim is to reduce the incidence of malaria in Pakistan to a level of 5 cases per 10,000 people by continuing the spraying effort and to reimburse the government for the purchase of insecticides, spraying equipment and spare parts.

| <u>PHILIPPINES</u> |                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------|---------------------------|------------|------------|------------|
| 4920333            | Barangay Water Systems II | --         | --         | 8,387      |

This is part of an on-going project to install functional barangay cooperative water systems with their own maintenance capacity in low income rural farming communities.

| <u>INDONESIA</u> |                          | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|--------------------------|------------|------------|------------|
| 4970283          | Rural Electrification II | --         | --         | 34,000     |

The purpose of this project is to make electricity available to rural Java and the Outer Islands by the construction of nine rural electrical distribution systems.

| <u>INDONESIA</u> |                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|----------------|------------|------------|------------|
| 4970285          | Rural Works II | --         | 9,000      | 17,000     |

The purpose of this project is to assist the Government of Indonesia to develop and implement a national rural works program which will provide employment for rural under- and unemployed through the creation, rehabilitation, and maintenance of rural infrastructure. Emphasis in the project will be on creating durable productive infrastructure.

| <u>INDONESIA</u> |                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|---------------------------|------------|------------|------------|
| 4970306          | Feeder Roads Management I | --         | --         | 3,000      |

This project will assist the Directorate General of Highways in the Ministry of Public Works with the technical manpower training development for rural road construction and maintenance.

#### NEAR EAST

| <u>AFGHANISTAN</u> |                        | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------|------------------------|------------|------------|------------|
| 3060171            | Irrigation Development | --         | --         | 1,600      |

Assistance will be given to the Ministry of Agriculture to apply new applied research in irrigation technology. Help will also be given to provide on a commercial basis the technical services, supplies, and credit to upgrade, repair, and extend existing community irrigation systems.

| <u>EGYPT</u> |                                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|---------------------------------------|------------|------------|------------|
| 2630016      | Applied Science & Technology Research | 4,200      | 1,000      | 5,200      |

This is a project designed to help beef up the management skills and policy planning capacity of the Egyptian Academy of Scientific Research and Technology (ASRT) and the National Research Center (NRC) to plan and carry out research projects. In addition, there will be training of over 180 persons in basic electronic technology and digital electronics for the repair and maintenance of scientific equipment, as well as completing the design of a nation-wide Scientific and Technical Information System.

| <u>EGYPT</u> |                        | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|------------------------|------------|------------|------------|
| 2630103      | Basic Village Services | --         | --         | 2,300      |

This project is aimed at augmenting the skills of technical and managerial village level officials in an effort: (a) to create a new capacity at the local level to effectively plan and design social infrastructure; (b) to improve the financial and physical management of locally owned social infrastructure; and (c) to upgrade the technical design standards and regional and national planning system for Basic Village Services (BVS) including rural potable water, village sewerage and sanitation, village roads, and other services which will be financed under the PL 480 Title III BVS program.

| <u>EGYPT</u> |                             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------------------|------------|------------|------------|
| 2630048      | Canal Cities Water & Sewage | 48,000     | --         | 40,000     |

This project is to reconstruct potable water and sewage treatment facilities and a related distribution and collection system in the Suez Canal area cities of Port Said, Ismailia, and Suez.

| <u>EGYPT</u> |                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|------------------|------------|------------|------------|
| 2630091      | Cairo Sewage III | 25,000     | 19,000     | 50,000     |

This project will expand the sewage collection systems' capacity and coverage in the Cairo area, by providing improved sewage treatment and disposal facilities.

| <u>EGYPT</u> |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------------|------------|------------|------------|
| 2630101      | Industrial Production | 50,000     | --         | 25,000     |

This project aims at increasing industrial output, improving product quality, and reducing improper disposal of industrial waste. AID will provide funds to the existing public sector industrial companies for the replacement of equipment, the elimination of bottlenecks, the correction of technical/managerial deficiencies, and the reduction of harmful environmental actions.

| <u>EGYPT</u> |                             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------------------|------------|------------|------------|
| 2630073      | Provincial Water and Sewage | --         | --         | 60,000     |

This project will consist of the planning, design, and construction and/or improvement of potable water and sewage systems in five to seven provincial towns and cities. In addition, technical assistance will be provided to improve the management and operational capabilities of local staffs.

| <u>EGYPT</u> |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------------|------------|------------|------------|
| 2630075      | Telecommunications II | --         | --         | 40,000     |

The aim of the project is to improve the capacity and the reliability of the Egyptian Telecommunications systems to meet the demand of industry, commerce, and private and government consumers by a) improvement of its overall management b) training of its personnel and c) procurement of urgently needed equipment.

| <u>EGYPT</u> |                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|------------------|------------|------------|------------|
| 2630107      | Irrigation Pumps | --         | --         | 15,000     |

This project plans to increase agricultural production through increasing the reliable supply of irrigation water to farmers. This will be done by the rehabilitation of an additional 30 pumping stations and the expansion of workshop and maintenance programs.

| <u>EGYPT</u> |                                      | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|--------------------------------------|------------|------------|------------|
| 2630109      | Fertilizer Production & Distribution | --         | --         | 20,000     |

This project will provide for an increased supply of phosphatic fertilizer for increased food production by rehabilitating the existing three phosphatic fertilizer plants, replacing worn out equipment and adding process units that are presently missing. Also, major investments will be made at the existing phosphate rock mines to modernize and increase the quality of the basic raw material processing to allow the production of more cost-effective triple superphosphate.

| <u>SYRIA</u> |                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|----------------|------------|------------|------------|
| 2760034      | Health Centers | --         | --         | 7,500      |

The purpose here is to expand and improve the delivery of basic health services to the poorer people through the construction and equipping of approximately 25 additional health centers.

| <u>SYRIA</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|--|------------|------------|------------|
| 2760032      | Technical Studies and Feasibility Studies II | --         | --         | 1,500      |

AID proposes to establish a fifth fund to finance short-term consultancies in Syria in the fields in which Syrian experts are unavailable. This project will provide some of the economic and technical planning and analysis expertise needed to help plan and execute the Fifth Five-Year Plan (1981-1985). The short-term consultancies will further project identification, design, and evaluation through preparation of sector assessments and project prefeasibility and feasibility studies. The project will provide for more specialized studies and will also provide for short-term advisory services.

| <u>JORDAN</u> |                                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------------|---------------------------------|------------|------------|------------|
| 2780234       | Water and Sewerage-Zarga (City) | --         | --         | 12,000     |

This project will expand the existing water distribution system by construction of new water supply facilities and expanding the existing stormwater collection system. In addition, the project will construct a new sewage construction system and a new sewage treatment plant.

| <u>JORDAN</u> |                                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------------|---------------------------------|------------|------------|------------|
| 2780233       | Water and Sewerage-Irbid (City) | --         | --         | 15,000     |

This project is similar to the one above for Zarga: to expand the water distribution and stormwater collection system and to construct a new sewerage collection and treatment facility system.

| <u>JORDAN</u> |                        | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------------|------------------------|------------|------------|------------|
| 2780232       | School Construction II | --         | --         | 7,000      |

This project is a follow-up to the on-going school construction USAID loan 278-K-016. It will provide for construction of additional elementary and preparatory school facilities and one vocational training facility.

#### LATIN AMERICA

| <u>BOLIVIA</u> |                                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------|--------------------------------|------------|------------|------------|
| 5110484        | National Nutrition Improvement | --         | --         | 8,300      |

The project will support the Government of Bolivia's food and nutrition plan for improving nutrition in especially in the rural areas by: a) providing training to upgrade nutrition service personnel, b) assisting the responsible agencies in establishing and improving the operation of programs, c) providing information and technical assistance for evaluating on-going nutrition activities and developing new ones.

| <u>EL SALVADOR</u> |                          | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------|--------------------------|------------|------------|------------|
| 5190218            | Rural Health Improvement | --         | --         | 4,500      |

To address El Salvador's key problem of preventable enteric and parasitic diseases, the project will first assist in the development of a rural environmental sanitation program. A second component of the loan will support development of the integrated malaria control program. The third component supports continued expansion of the rural health aide program; and the fourth component provides for improvement of the Ministry of Health Training School and its regional facilities.

| <u>HONDURAS</u> |                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|-----------------|------------|------------|------------|
| 5220153         | Health Sector I | --         | --         | 6,000      |

The sector program will emphasize the development of human resources and the major public resources to assist the government in expanding its rural health delivery system. Task determination and training will be carried out at all levels of the program such as administration and technical subjects. Effective support systems in such areas as supply and communication and new technical programs such as malaria control will be designed and institutionalized. Technical assistance, training, and equipment will also be provided in the areas of family planning, nutrition and water supply.

| <u>HONDURAS</u> |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|-----------------------|------------|------------|------------|
| 5220150         | Agriculture Sector II | --         | 1,000      | 7,000      |

Under this program, assistance to the School of Agriculture of the University of Honduras and the Catacamas Agricultural School will be implemented. Specialized out of country training for agriculture sector personnel, campesino training and improved facilities for programs dealing with rural women will receive additional emphasis.

| <u>PANAMA</u> |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------------|-----------------------|------------|------------|------------|
| 5250214       | Workforce Development | --         | --         | 3,500      |

High levels of unemployment and underemployment in Panama have slowed the country's socioeconomic progress. AID will assist the government in reversing this trend by providing: 1) technical advisory assistance in institutional improvement and the development of training programs, 2) manpower studies, 3) construction and commodities to upgrade facilities needed to carry on a long range manpower development program, 4) training that emphasizes short term, highly specialized education needed for the program, and 5) the development of new initiatives such as the use of mobile training units.

| <u>PERU</u> |                                   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------|-----------------------------------|------------|------------|------------|
| 5270198     | Health Services in Central Sierra | --         | --         | 7,500      |

The purpose of this program is to extend basic health services including family planning services to the rural poor of the Centro Medio Health Region in a form which minimizes costs and stimulates health demand. The budget year program will 1) initiate a special disease campaign, 2) construct 50 village water systems, 3) train 150 paramedical personnel, and 4) train 10 Ministry of Health personnel in health management.

| <u>JAMAICA</u> |                                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------|---------------------------------------|------------|------------|------------|
| 5320064        | Health & Nutrition Sector Development | --         | --         | 4,750      |

This project will help to develop an improved ability to monitor nutrition status to expand primary health care facilities through construction of new

facilities and the refurbishing of old ones. Technical assistance and training will be provided to strengthen the planning unit within the Ministry of Health. Appropriate methods for the collection of data will be instituted with introduction of computer software, if necessary.

| <u>INTERREGIONAL</u> |                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|---------------------------|------------|------------|------------|
| 9030026              | Institutional Development | 4,100      | 4,000      | 5,000      |

The International Executive Service Corps (IESC) provides the services of volunteers with business and managerial skills to enterprises in developing countries. The purpose of this budget year program is to permit the IESC to assist between 500 and 700 projects in Latin America, Asia and Africa, with an increased number of projects for low-income entrepreneurs.

| <u>INTERREGIONAL</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|--|------------|------------|------------|
| 0430968              | Association of Voluntary Sterilization | 7,500      | 7,600      | 10,680     |

High quality voluntary sterilization will be made available as an integral part of health and family planning programs in developing countries through this program. Training projects will be developed in additional developing countries. Existing programs will be expanded and more paramedics and physicians will be trained. Surgical equipment and repair capability will be supplied. The project will also support programs and conferences on voluntary sterilization and develop national associations.

| <u>INTERREGIONAL</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|--|------------|------------|------------|
| 9050001              | Promotion/Marketing<br>Development -- Reimbursable | 1,781      | 1,800      | 2,800      |

About 40 countries, varying widely in economic conditions and human and natural resources endowment, continue to seek technical advice and services long after they have reached the stage where they no longer need to rely on concessional financing for their further development. They seek a continuation of their relationship with the U.S. to (a) obtain technical expertise and modern technology of dependable quality, (b) provide academic training for their people in fields where American universities are preeminent, and (c) train specialists in modern technologies applicable to their needs. They are prepared to pay the costs of technical services and development advice, but they need help and the benefit of experience in designing their programs and in identifying the best sources in the United States for training and development advice. The funds indicated here support and promote the sales of such technical expertise.

| <u>INTERREGIONAL</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|--|------------|------------|------------|
| 0430604              | Johns Hopkins Program for<br>International Education in<br>Gynecology and Obstetrics | 6,670      | 3,500      | 7,700      |

The Johns Hopkins Program for International Education in Gynecology and Obstetrics (JHPIEGO) trains physicians from less developed countries at training

centers in the U.S. and various overseas sites in subjects relating to female reproductive health. This program will support those centers and encourage the development of in-country training centers.

1.c. Methods of integrating science and technology in economic and social development.

AFRICA

| <u>SOMALI REPUBLIC</u> |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------------|---|------------|------------|------------|
| 6490101                | Agriculture Extension,<br>Training and Research | --         | --         | 2,700      |

By establishing an integrated agricultural extension, training and research system, which is responsive to the needs of farmers and herdsmen and is supportive of the national rural development program, the project will assist the Ministries of Agriculture, Livestock, and Local Government and Rural Development to strengthen their institutional capacities to provide momentum necessary to ensure increased production and rural incomes. The major issues to be decided during project development relate to its geographic location and whether the project will concentrate only on agriculture or more on integrated rural development.

| <u>SOMALI REPUBLIC</u> |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------------|-----------------------|------------|------------|------------|
| 6490102                | Rural Health Services | --         | 1,500      | 2,900      |

This project will assist in developing a primary health care delivery system program that will reach the rural population through the training of rural health workers, supervisors, and health trainers, by strengthening the institutional capacity of the Ministry of Health to deliver health services more effectively, as well as the provision of medical supplies to support the rural health program.

| <u>SUDAN</u> |                                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|------------------------------------|------------|------------|------------|
| 6500018      | Blue Nile Agricultural Development | --         | --         | 2,500      |

To develop a process and a supporting institutional mechanism to deliver an integrated agricultural development system for small farmers that can be replicated. The project is working through local government institutions in selected villages in a specific project area in the Blue Nile Province. It will test 1) improved agronomic practices and inputs with tractor mechanization and with no mechanization, 2) extension approaches to transfer effectively agricultural information, 3) cooperative systems to provide production services, and 4) approaches to small farmer credit.

| <u>SUDAN</u> |                                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|------------------------------------|------------|------------|------------|
| 6500020      | Western Sudan Agriculture Research | --         | --         | 7,800      |

The objectives of this project are 1) to expand and increase the efficiency of the Sudanese Agriculture Research Corps (ARC) research operations in

Western Sudan, 2) develop improved production systems for livestock and crops, 3) conserve natural resources, and 4) improve standard of living of subsistence farmers.

| <u>ETHIOPIA</u>                        | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 6630181 Agriculture Sector Development | --         | --         | 3,000      |

The purpose is to expand farmer participation in agricultural production programs and increase production of major food crops. The project will provide support, in cooperation with other donors, to the second phase of the nationwide Minimum Package Program (MPP II). MPP II will expand the availability and use of improved technology, modern farm inputs, credit services and soil and water conservation practices for small farmers located in remote areas. It includes training of additional development agents, Peasant Association members as paraprofessionals, and cooperative organizers; applied research; and construction of village access roads.

| <u>BURUNDI</u>                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------------------------|------------|------------|------------|
| 6950103 Alternative Energy - Peat II | --         | --         | 2,509      |

To assist the GOB exploit its natural resource of peat as an alternative form of energy for rural and light commercial consumption, in order to reduce further depletion of scarce wood resources. This project is follow-up to an earlier FY-1978 AID funded AID project of \$490,000, to determine the quantity and quality of Burundi's peat resources as well as the best technical means to harvest these resources. Additionally the project will determine the best means to make peat available to Burundi's rural population and its local acceptability as a viable form of alternative energy.

| <u>RWANDA</u>                        | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------------------------|------------|------------|------------|
| 6960133 Rural Health/Family Planning | --         | --         | 2,640      |

The purpose is to improve the capacity of the Rwandan Government to deliver rural health services including MCH and child spacing to the rural poor, by upgrading and creating, where necessary, the services at the dispensary and health center levels, e.g., those reaching the bulk of the rural poor. The project will enhance the Government's ability to provide health services to the rural poor.

| <u>AFRICA REGIONAL</u>             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------------------------|------------|------------|------------|
| 6990005 Regional Transport Studies | --         | --         | 1,000      |

The purpose is to develop social, economic, and technical feasibility analyses of the transport infrastructure needs in several regions. Areas under consideration are Southern Sudan, the Chari-Logone basin in Chad-Cameroon, the interior of Zaire, and Rwanda - western Tanzania.

| <u>NEPAL</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|--|------------|------------|------------|
| 3670129      | Rural Area Development:<br>Rapati Zone Project | --         | --         | 3,600      |

The purpose is to increase standards of living of rural families in selected areas of the Rapati Zone. The project will provide assistance in the following areas: local organization, agriculture, health, education, rural works, conservation and rural industry. It will assist by modest financial support small self-selected local activities, will provide assistance to regular GON programs functioning in the area, and will finance a limited number of special activities in which light technology, improved agricultural practices or other innovations offer promise of low cost, widely acceptable approaches to important local problems.

| <u>NEPAL</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|--|------------|------------|------------|
| 3670132      | Resource Conservation and<br>Utilization Project | --         | --         | 6,000      |

This project will identify, develop and test approaches to conservation and reforestation in representative mountain areas of Nepal. Specific activities to directly control the land degradation and water loss will include: (1) identification and testing of practices that reduce erosion in the mountains; (2) testing of mountain catchment management systems to improve the use of water and reduce flood peaks; (3) identification and introduction of technology to improve production on arable farm land; (4) identification of land unsuitable for cultivated crops and recommendations for alternative uses; (5) assisting with reforestation of suitable lands; and (6) developing farming systems involving both crops and livestock which will make better use of the resources available in the mountains.

| <u>NEPAL</u> |                                     | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-------------------------------------|------------|------------|------------|
| 3670135      | Integrated Rural Health/FP Services | --         | --         | 3,000      |

The project's major thrust is the delivery of effective Family Planning and MCH services. It also will support the delivery of other essential preventative/promotional health services by rural health workers. The project costs include the provision of technical assistance and financial support to the program.

| <u>SRI LANKA</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|--|------------|------------|------------|
| 3830055          | Reforestation and Watershed Management | --         | --         | 2,000      |

The purpose is to retard depletion of the dry zone forests by reforesting 15,000 acres of denuded lands and planting 25,000 acres of fuelwood forests to meet rural energy needs through (a) an intensive study of Sri Lanka's upper mountain catchments in order to develop an area-wide program for forestation, watershed management and soil conservation and (b) reforesting 40,000 acres in the dry zone over 5 years.

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| <u>SRI LANKA</u> |                            | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|----------------------------|------------|------------|------------|
| 3830056          | Mahaweli Basin Development | --         | --         | 10,000     |

The purpose is irrigation, development and settlement of 338,000 acres of land in the contiguous Mahaweli and Madura Oya River Basins of East Central Sri Lanka. The proposed phase of the Mahaweli Ganga program includes construction of five major dams and downstream development of 377,000 essentially uninhabited acres including resettlement of and support facilities for 136,000 new families. AID's contribution will be part of a coordinated multi-donor assistance program.

| <u>PAKISTAN</u> |                     | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|---------------------|------------|------------|------------|
| 3910419         | Agricultural Inputs | --         | --         | 29,600     |

The project purpose is increased and better balanced use of fertilizer and other production inputs by all farmers, especially low-income farmers. The project is an integral part of a Government of Pakistan effort to accelerate development in the rural areas.

| <u>INDIA</u> |                             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------------------|------------|------------|------------|
| 3860467      | Rajasthan Medium Irrigation | --         | --         | 15,000     |

Purpose: To increase small farmer food production and decrease the risk of drought to producers in Rajasthan. The project will construct new medium irrigation projects (MIP's) and possibly modernize existing projects. Major issues to be examined during project preparation are 1) the specific distribution of farm sizes and equity impact of the development of MIPs 2) the economic of timing watercourses down to a five to eight hectare level 3) the availability of supporting agricultural services to permit the maximum benefits from the development of newly irrigated areas.

| <u>INDIA</u> |                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------|------------|------------|------------|
| 3860455      | Malaria Control | --         | --         | 23,000     |

The purpose is to arrest the spread of malaria. AID will make funds available to import insecticides while GOI will distribute this to State Governments, and continue to develop and expand locally produced drugs. Malaria control will hopefully be achieved by sustained spraying, monitoring and other support operations, and also, an adequate supply of insecticides.

| <u>THAILAND</u> |                                   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|-----------------------------------|------------|------------|------------|
| 4930313         | Highland Agricultural Development | --         | --         | 5,000      |

This program will introduce a stabilized agricultural system to assist disadvantaged hill tribes to participate directly in the national economy to reverse environmental deterioration. This project will finance 1) land use surveys 2) socio-economic field surveys 3) crop specific market assessment

4) forestry planning/conservation consultant services 5) training courses for extension and public welfare field personnel 6) road trail improvements and necessary community infrastructure.

| <u>BANGLADESH</u> |                               | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------|-------------------------------|------------|------------|------------|
| 3880040           | Integrated Land and Water Use | --         | --         | 5,000      |

The purpose is to introduce in one hydrologic region of Bangladesh the optimum combination of water use, agricultural inputs and cultivation practices and designs to promote efficient irrigation for small scale farming. Major effort is to recondition and provide technical assistance for the improvement of major existing irrigation facilities in the selected project area.

| <u>INDONESIA</u> |                          | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|--------------------------|------------|------------|------------|
| 4970274          | Luwu Development Program | --         | --         | 6,000      |

The project is designed to accomplish the following; 1) to increase the agricultural productivity of the Luwu District 2) to expand off-farm employment opportunity 3) to provide a social service delivery system 4) to improve the institutional capability of local government to plan and executive area development programs.

| <u>AFGHANISTAN</u> |                             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------------|-----------------------------|------------|------------|------------|
| 3060149            | Central Helmand Drainage II | 3,220      | 2,743      | 4,503      |

The purpose is to reduce salinity and waterlogging in 130 square kilometers of farm land, thereby increasing the agricultural productivity, income and employment of small scale farmers and farm laborers in the Helmand Valley.

Phase I of the project laid out main drainage canals and farm drains: the second phase has a target of 278 kilometers of main drainage canals and 1,260 kilometers of farm drains over the next 4 1/2 years.

| <u>EGYPT</u> |                         | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-------------------------|------------|------------|------------|
| 2630064      | Aquaculture Development | 900        | 2,500      | 8,000      |

This project aims to increase fish production by strengthening fish farming capabilities through the development of a national fish farming center for applied research, training and extension of services to villages. By 1980, coastal mullet holding facilities and the fish farming center with production ponds adjacent to the center should be ready for operation.

| <u>EGYPT</u> |                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|---------------------------|------------|------------|------------|
| 2630031      | Agriculture Mechanization | --         | 21,000     | 23,000     |

The purpose is to create the institutional framework and credit mechanism through which various types of farm machinery can be purchased.

Phase I of the project is designed to replace and repair capital equipment and establish an organization and procedure to service small farmers. Phase II will include 1) importation of farm machinery 2) developing a training and demonstration center for mechanization 3) establishing a service network 4) installation of a farm mechanization institute.

| <u>EGYPT</u> |                     | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|---------------------|------------|------------|------------|
| 2630085      | Lake Qarun Chemical | --         | --         | 22,000     |

This project aims to increase the production of sodium chloride and other chemicals to meet projected domestic demand and to stabilize the salinity of Lake Qarun to maintain fish populations.

The project will assist an existing public sector company in the design, engineering, procurement of equipment and construction of a chemical process facility capable of producing 108,000 tons of sodium sulphate, 7,500 tons of sodium sulphide, 21,000 tons of magnesium oxide and 200,000 tons of sodium chloride.

| <u>EGYPT</u> |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------------|------------|------------|------------|
| 2630108      | New Lands Development | --         | --         | 50,000     |

The purpose is to demonstrate techniques and systems for the development of new lands areas which can be used as a model.

The project seeks to take a partially completed reclamation area and with minimal capital inputs and experienced contract management develop an economically viable agricultural complex which will serve as a model for widespread duplication. It will provide resources including technical assistance, management, finances/agricultural credit, fertilizers and equipment necessary for this demonstration and test venture in the new lands area.

| <u>SYRIA</u> |                         | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-------------------------|------------|------------|------------|
| 2760037      | Development Imports III | --         | --         | 20,000     |

AID will provide essential machinery and equipment to assist Syria add more irrigated land to its agricultural production base, modernize medical facilities and support other development activities. The Syrian government does not have the foreign exchange to carry out their planned development efforts. Priorities will be developed and the most urgently needed will be financed under this loan.

| <u>COSTA RICA</u> |               | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-------------------|---------------|------------|------------|------------|
| 5150148           | Agro-Industry | --         | --         | 6,000      |

Project aim is to increase employment opportunities in Costa Rica's agricultural sector, especially amongst the rural poor. The project will facilitate the expansion of small scale regional processing facilities to develop new employment opportunities and increase productivity and profit in the

rural sector. Agro-industry processing facilities will encompass the following areas; 1) fish processing 2) fruit and vegetable processing 3) spices and fragrances 4) flowers and ornamentals.

| <u>COSTA RICA</u>                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------------------|------------|------------|------------|
| 5150132 Family Planning Services | --         | --         | 4,000      |

The purpose is to consolidate the institutional capacity to introduce 150,000 women of fertile age to effective methods of contraception. Major outputs of the project through its life are expected to be 1) training paramedic personnel 2) establish family planning services in 125 new rural health posts 3) expansion of family planning and sex education 4) training promotional teams to work in areas before establishment of rural health posts.

| <u>ECUADOR</u>   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 5180012 Technological Access Networks<br>for Small Farmers | --         | --         | 4,000      |

The purpose is to increase small farmer incomes and the food supply by broadening the access of poor rural people to low-cost appropriate technology.

| <u>PERU</u>  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 5270192 Agricultural Research<br>Extension Education | --         | --         | 9,350      |

Under this project funds will be provided to the Peruvian Ministry of Food and Agriculture and selected private organizations to assist in improving the entire system for the development and dissemination of agricultural technology. Outputs will include 1) increased use of agricultural para-technicians 2) strengthening ties between the international research centers and U.S. and Peruvian Universities and the government and 3) increased emphasis on application of farm management principles.

1.d. New science and technology for overcoming obstacles to development.

#### AFRICA

| <u>REGIONAL</u>                                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 69800XX Endemic & Communicable Disease Control | --         | --         | 5,000      |

This project will emphasize primarily the control of childhood diseases.

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ASIASRI LANKA

|         |                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|-----------------|------------|------------|------------|
| 3830043 | Malaria Control | 7,000      | --         | 4,000      |

This project is financing the spraying of nearly 1 million homes for malaria control in high-risk areas.

INDIA

|         |                                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|------------------------------------|------------|------------|------------|
| 3860470 | Agriculture Research and Education | --         | --         | 7,700      |

The purpose of this project is to expand the technical research and education capacity of Indian agricultural universities and research institutes. This will be done through collaborative technical assistance by U.S. scientists, the advanced training of Indian scientists in the U.S., the provision of necessary equipment and materials, local training activities, and the intensification of research support.

INDIA

|         |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|---|------------|------------|------------|
| 3860465 | Application of Science and<br>Technology to Rural Development | 2,000      | --         | 3,000      |

Dollar support will be allocated to U.S.-Indian collaborative research efforts to develop, test, and apply science and technology to India's rural development effort. Project activities include agricultural technology research, conservation technologies, nutritional and medical research, educational technologies, and alternative energy sources and applications.

NEAR EASTEGYPT

|         |               | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|---------------|------------|------------|------------|
| 2630070 | Major Cereals | 1,500      | 1,500      | 2,500      |

This project will develop, test and, implement improved technological packages for increased production of wheat, corn and, sorghum. The project team will 1) undertake sub-sector analysis of cereals production 2) introduce adaptive building materials, 3) construct research and testing facilities, and 4) assess seed distribution capability.

LATIN AMERICAPANAMA

|         |                               | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------|-------------------------------|------------|------------|------------|
| 5250180 | Applied Agricultural Research | --         | --         | 5,500      |

This project hopes to achieve the development and dissemination of more appropriate technology "packages" aimed at helping to increase food production

of the small- and medium-size farmer. AID shall assist the Agricultural Research Institute (IDIAP) with staff development, facilities, and technical assistance.

| <u>INTERREGIONAL</u> |                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|---------------------------|------------|------------|------------|
| 0421126              | Tropical Disease Research | 800        | 1,000      | 4,000      |

These funds are targeted for increased research on control methods and for training of research workers to better study and control selected tropical diseases, such as schistosomiasis and leprosy.

| <u>INTERREGIONAL</u> |  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|--|------------|------------|------------|
| 0214020              | Soils (Collaborative Research Support Project) | 250        | 250        | 2,000      |

This is to identify research needs and activities that will help LDCs increase their food production and small farmer income and to improve their conservation practices.

| <u>INTERREGIONAL</u> |                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|-----------------|------------|------------|------------|
| 0325501              | Desertification | --         | --         | 1,000      |

Through the utilization of visual analysis of satellite imagery by computer processing, the project plans to identify parameters to provide an early warning system for desertification of the entire West Sahel region.

2. Institutional arrangements and new forms of international cooperation in the application of science and technology:
  - a. The building up and expansion of institutional systems in developing countries for science and technology.

| <u>INDIA</u> |                                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|---------------------------------|------------|------------|------------|
| 3860468      | Integrated Rural Health Support | --         | --         | 6,000      |

The project will expand basic referral facilities and enlist Indian medical college participation in extension programs in support of the integrated Rural Health Program of the government of India. One hundred rural hospitals will be built and a medical college extension program instituted under the project.

| <u>PAKISTAN</u> |                     | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------|---------------------|------------|------------|------------|
| 3910434         | Population Planning | --         | --         | 3,500      |

The project seeks to establish cooperative links with and between the government's Health and Population Divisions, aiming at the delivery of contraceptive delivery services. U.S. assistance will focus on voluntary sterilization, management information systems, and contraceptive commodities. It will also provide for participant training in management, population planning, statistics, and demography.

| <u>INDONESIA</u> |   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|---|------------|------------|------------|
| 4970297          | Title XII-Sumatran Universities<br>Agricultural Program | --         | --         | 5,000      |

The State Universities of Sumatra have joined together in an association to provide a mechanism to assist agricultural and rural development throughout the region. AID will provide technical assistance through title XII collaborating U.S. universities, to strengthen its administrative capability. The project also provides for participant training and commodities (textbook).

| <u>INDONESIA</u> |                                    | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|------------------------------------|------------|------------|------------|
| 4970302          | Outer Island Agricultural Research | --         | --         | 6,000      |

This project will help to regionalize agricultural research in West Java, South Sulawesi, and the entire island of Sumatra, through long term academic training in Indonesia, U.S. and Philippines, construction of physical facilities, provision of equipment for research stations and technical assistance. The research will address rice and secondary crops, new land utilization.

| <u>INDONESIA</u> |                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|---------------------------|------------|------------|------------|
| 4970311          | Soil Conservation Program | --         | --         | 9,000      |

The project will establish a national soil conservation organization. Through direct technical assistance, participant training, field testing areas, and assistance in the organization and management of an education project, the project addresses a serious problem of soil degradation, flooding, silting, etc.

| <u>INDONESIA</u> |                               | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|-------------------------------|------------|------------|------------|
| 4970289          | Primary Health Nurse Training | --         | --         | 9,000      |

The project assists in the preparation of nurse training schools, teacher training schools, schools for retraining former nurses, midwives, assistance nurses and assistant midwives. It provides for curriculum development, printing of textbooks, construction and schools and teacher training.

| <u>INDONESIA</u> |                              | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------|------------------------------|------------|------------|------------|
| 4970300          | Energy Manpower and Training | --         | --         | 1,000      |

The purpose of this project is to develop an Energy Center with a capability to make studies and to conduct research to enable Indonesia's National Energy Committee to engage in effective long-range policy decision-making. AID will provide technical assistance, a data bank, training of professionals, and research workshops.

| <u>NEAR EAST REGIONAL</u> |                               | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------------------------|-------------------------------|------------|------------|------------|
| 2980015                   | American University of Beirut | 2,925      | 2,300      | 3,500      |

AID assistance to the AUB provides scholarships in order to develop a cadre of technical and professional personnel essential to the development of Near East and South Asian countries. It helps to maintain and develop the AUB as a western-oriented center of excellence in the region, bringing together future leaders of the countries in an atmosphere where American cultural experiences and educational values are available.

| <u>MOROCCO</u> |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------|-----------------------|------------|------------|------------|
| 6080151        | Rural Health Outreach | --         | --         | 1,000      |

The project will assist the Ministry of Health in identifying major constraints to an effective rural health service and in devising and testing alternative approaches that will improve effectiveness of a rural health system. AID finances technical assistance, health worker training, equipment, and construction costs for dispensaries and health centers.

| <u>MOROCCO</u> |                                | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------|--------------------------------|------------|------------|------------|
| 6080139        | Non-formal Education for Women | 2,291      | --         | 1,020      |

Under this project, the training capacity and effectiveness of the promotion of Women institutions (a program of the Ministry of Youth and Sports) will be improved in areas directly responsive to employment potentials. The focus will be on producing vocational education instructors, and staff skilled in management techniques and programming.

| <u>SYRIA</u> |                       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|-----------------------|------------|------------|------------|
| 2760030      | Agricultural Planning | --         | --         | 1,200      |

The project will establish a Syrian Government institutional capability to plan, analyze, evaluate and coordinate agriculture development policies and programs. While conducting an assessment of the agricultural sector, Syrian counterparts of U.S. advisors will receive training in agricultural planning and data collection. A profit analysis and evaluation unit will be established.

| <u>DOMINICAN REPUBLIC</u> |                             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|---------------------------|-----------------------------|------------|------------|------------|
| 5170126                   | Natural Resource Management | --         | --         | 3,000      |

The project will promote and improve institutionalized ability to survey, plan, and implement activities related to natural resource concerns, especially in the Secretariat of Agriculture. Resource surveys will be expanded through the use of remote sensing technology. The project may also fund field research and training, pilot conservation projects, reforestation and fire prevention, and technical assistance from U.S.D.A., Bureau of Land Management, and U.S. Forestry Service.

| <u>INTERREGIONAL</u> |                                      | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|--------------------------------------|------------|------------|------------|
| 0321071              | Appropriate Technology International | 5,000      | 2,200      | 5,000      |

This program will provide appropriate technology in less developed countries. The appropriate technology effort is designed to stimulate increased use of light capital, labor intensive energy efficient technology appropriate to the needs and culture of the poor majority. Appropriate Technology International grants are intended to reach the poor more directly than is possible in regular AID projects.

2.b. Research and development in the industrialized countries in regard to problems of importance to developing countries.

| <u>YEMEN</u> |                                  | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--------------|----------------------------------|------------|------------|------------|
| 2790052      | Agricultural Development Support | --         | 3,140      | 5,300      |

The project will improve Yemen's capacity for broad-based integrated agricultural development by introducing the U.S. land-grant concept of integrated teaching; research, extension. It supports a long-term commitment (under Title XII) by U.S. institutions to a variety of activities including; socio-economic research. The development of schools, water management, extension, credit, and cooperative systems.

| <u>INTERREGIONAL</u> |           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|-----------|------------|------------|------------|
| 9021181              | INTELSTAT | --         | 1,200      | 5,000      |

In cooperation with INTELSTAT, AID field trails and short-term demonstrations of satellite communications would be carried out by testing the use of ground terminals on specific LDC rural settings. The program would examine the implications, including cost, of using INTELSTAT system in such fields as health, family planning, nutrition and education.

| <u>INTERREGIONAL</u> |                            | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|----------------------------|------------|------------|------------|
| 0430635              | Population Policy Analysis | 1,400      | 2,200      | 3,200      |

The project supports contractors doing research in selected countries, such as Haiti and Guatemala, on policy and social barriers that restrict the availability of family planning, or impact upon the status of women, age at marriage and first conception and other determinants of fertility.

| <u>INTERREGIONAL</u> |                             | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|-----------------------------|------------|------------|------------|
| 0211259              | Bean Collaborative Research | --         | --         | 3,000      |

This project will use linkage and cooperation of a U.S. institution and international institutions to do research aimed at improving production of edible grain legumes. About eight (8) U.S. universities and the USDA have significant research in progress on dry beans.

| <u>INTERREGIONAL</u>              | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|-----------------------------------|------------|------------|------------|
| 035B526 Energy Biomass Production | --         | 1,000      | 2,660      |

Utilization of biomass for energy can constitute one of the largest single energy sources in the developing world. Today about 50 percent of the energy used by the developing countries comes from biomass (wood and agricultural waste). Unfortunately, what should be a renewable energy resource is being used at a rate that far exceeds its replacement rate. The project would create dynamic forces for continued advancement in biomass improvement, in LDC planning for biomass planting and use and in technology of planting, cultivation and harvest, utilizing a consortium of seven U.S. universities that are leaders in fast growth, short rotation biomass and the U.S. Forest Service persons in the AID office of energy.

- 2.d. The strengthening of international cooperation among all countries and the design of concrete new forms of international cooperation in the fields of science and technology for development.

| <u>EGYPT</u>                 | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|------------------------------|------------|------------|------------|
| 2630105 Educational Linkages | --         | --         | 2,100      |

The project will respond to requests from institutions of higher learning in Egypt for a program of grants to support direct long term institutional linkages with American colleges and universities. The linkages would emphasize mutual benefit and involve the development of U.S. assisted programs in Egypt and the exchange of faculty and graduate students for long- and short-term pursuit of jointly-designed programs.

| <u>INTERREGIONAL</u>       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------------|------------|------------|------------|
| 0325500 Man & Biosphere II | --         | --         | 1,350      |

This project will identify U.S. scientific experts which can be related to critical global problems of deforestation, soil erosion, desertification and coastal zone resource deterioration and to initiate applied research and training activities in cooperation with selected LDCs.

| <u>INTERREGIONAL</u>                           | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|--|------------|------------|------------|
| 0231309 Functional Implication of Malnutrition | --         | --         | 1,750      |

The purpose of this project is to define malnutrition in terms of the degree of impairment of physiological and behavioral functions associated with different degrees of nutrient deficits. This information will provide LDC governments with 1) a more quantitative basis for defining priorities among competing nutrition interventions and 2) a measure by which to evaluate the benefit and effectiveness of nutrition programs.

- 2.e. The promotion of cooperation among developing countries and the role of developed countries in such cooperation.

| <u>ASIA REGIONAL</u> |       | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|-------|------------|------------|------------|
| 4980258              | ASEAN | --         | 880        | 3,000      |

The project will assist the association of Southeast Asian Nations (ASEAN) in addressing common development assistance problems of five member nations (Indonesia, Malaysia, the Philippines, Singapore and Thailand) on a regional basis. Examples of ASEAN's activities which could be financed by AID are: plant protection, agriculture education and extension, conservation of forest reserves and non-formal education for rural development.

3. Utilization of the existing United Nations system and other international organizations.

| <u>INTERREGIONAL</u> |                                   | <u>'78</u> | <u>'79</u> | <u>'80</u> |
|----------------------|-----------------------------------|------------|------------|------------|
| 043UN00              | UN Fund for Population Activities | 28,000     | 32,000     | 34,000     |

The project will enable the UNFPA to coordinate Family Planning planning and programming. It will promote awareness of population problems and extend multinational assistance to LDCs to effectively deal with their population problems. Activities under the project may include a World Fertility Survey, law and population studies, the 1980 Census and training of paramedical and auxiliary workers and program managers in techniques of fertility control.