

AGENCY FOR INTERNATIONAL DEVELOPMENT  
WASHINGTON, D. C. 20523  
BIBLIOGRAPHIC INPUT SHEET

FOR AID USE ONLY

Batch 63

|  |                    |                       |  |
|--|--------------------|-----------------------|--|
| 1. SUBJECT CLASSIFICATION  | A. PRIMARY         | TEMPORARY             |  |
|  | B. SECONDARY       |                       |  |
| 2. TITLE AND SUBTITLE  |                    |                       |  |
| Population planning of developing nations; annual report, 1970/1971        |                    |                       |  |
| 3. AUTHOR(S)   |                    |                       |  |
| (101) Mich. Univ. Center for Population Planning                           |                    |                       |  |
| 4. DOCUMENT DATE   | 5. NUMBER OF PAGES | 6. ARC NUMBER         |  |
| 1971   | 76p.               | ARC                   |  |
| 7. REFERENCE ORGANIZATION NAME AND ADDRESS                                 |                    |                       |  |
| Mich.  |                    |                       |  |
| 8. SUPPLEMENTARY NOTES (Sponsoring Organization, Publishers, Availability) |                    |                       |  |
| (Activity summary)   |                    |                       |  |
| 9. ABSTRACT  |                    |                       |  |
| (HEALTH--POPULATION R&D)   |                    |                       |  |
| 10. CONTROL NUMBER   |                    | 11. PRICE OF DOCUMENT |  |
| PN-AAD-969   |                    |                       |  |
| 12. DESCRIPTORS  |                    | 13. PROJECT NUMBER    |  |
|  |                    | 14. CONTRACT NUMBER   |  |
|  |                    | CSD-2171 211(d)       |  |
|  |                    | 15. TYPE OF DOCUMENT  |  |

CSD-2171 211(d)  
Mich. PN-AAD-969

AID Institutional Development 211 (d) Grant

AID/csd-2171

POPULATION PLANNING OF DEVELOPING NATIONS

Third Annual Technical Report  
July 1, 1970 - June 30, 1971

November, 1971

Department of Population Planning  
Center for Population Planning  
The University of Michigan  
School of Public Health  
Ann Arbor, Michigan 48104

AID Institutional Development 211 (d) Grant

AID/csd-2171

The University of Michigan  
Department of Population Planning  
Center for Population Planning

Table of Contents

|  |    |
|--|----|
| I. Contribution of 211 (d) Grant to UM Capability in Population Planning | 1  |
| II. Grant Objectives   | 4  |
| III. Major Accomplishments During 1970-71                                | 5  |
| A. Development of teaching competence                                    | 5  |
| B. Development of research competence                                    | 5  |
| C. Development of competence for consultation and service                | 12 |
| D. Involvement of other University resources                             | 13 |
| E. Cooperation with other universities                                   | 13 |
| IV. Expenditures   | 14 |
| A. Total   | 14 |
| B. Salaries, Wages, and Fringe Benefits                                  | 14 |
| C. Stipends  | 17 |
| D. Tuition   | 17 |
| E. Supplies  | 17 |
| F. Travel  | 17 |
| G. Equipment   | 18 |
| V. Work Plan and Budget Forecast for 1971-72                             | 19 |

The University of Michigan  
Department of Population Planning  
Center for Population Planning

Third Annual Technical Report  
A.I.D. Institutional Development Grant csd-2171

I. Contribution of 211 (d) Grant to UM Capability in Population Planning

This report describes the contribution to the University of Michigan's capability in population planning made during 1970-71 by the Agency for International Development's Institutional Development Grant csd-2171 to the University's Center for Population Planning for the five year period beginning 1 July 1968. Since the University's capability is being developed simultaneously from multiple sources of financial support, the sixth annual report of the Center for Population Planning which summarizes most population planning activities in the University is appended as part of this report. During 1970-71 Grant csd-2171 provided 32 percent of the Center's total budget during the year (see IV. Expenditures for details).

Capability, as we have discussed in prior reports is difficult to measure and, hence, to evaluate because it involves a large element of potentiality. A prime test of an individual's or an institution's capability is its ability to respond to demands for which the capability was intended. Agreement on what demands the capability is intended to meet and a sufficient level of appropriate demands are obvious requirements for such evaluation. The general objective of the Institutional Grants Program is to strengthen American institutional (primarily university) capacity to develop and carry out research and educational programs concerned with the economic and social development of less developed countries. Population planning is seen in this context as one critical new field. One measure of success of the program is the degree to which the university has added faculty, curricula, students, research and related staff working in the new field. Another is the degree to which the university has organized and committed itself to long-term support of those people and activities. By both measures the University of Michigan has scored well.

A.I.D.'s Institutional Grants Program grew out of a long and often unhappy history of attempts by the Agency and American universities to identify and work together in areas of mutual concern. It deals directly with a need of any university intending to participate seriously in overseas development activities by providing long term flexible financial support for faculty, staff and graduate students. As long as this kind of support is available, a university can make commitments (with their inherent risks) on more specific, shorter term tasks of mutual advantage to A.I.D., a foreign government or institution and the university. In a new field like population planning the program also enables a university to enter the field by developing faculty, staff, students, curricula, research and organization that did not previously exist.

At Michigan it is clear that our A.I.D. Institutional Grant has made possible much of our present capacity in teaching, research and service on population problems and programs in less developed countries. Without it we would not now have several of our key faculty, some of our critical support staff, some excellent graduate students, some important elements of our teaching programs and some of our better research projects. Without it in the next decade, given the probable future of American university financing, we will not have these same elements. Without it we would not have been able to initiate and enter into serious commitments with A.I.D. on such new ventures as the University Overseas Internship Program, the University Services Grant or the A.I.D./Nepal contract. Some long term flexible financial support will be essential to maintain our capacity to carry out research and educational programs concerned with the effects of population growth on economic and social development of less developed countries.

Specific details of the contribution of the grant during 1970-71 follow in this report. As anticipated in our work plan for 1970-71 the final stages were taken for two steps in institutionalization of population planning at Michigan. During late summer and early fall of 1971 we moved to permanent university quarters in the School of Public Health upon completion of its new eight story addition. On October 1, 1971 the Regents established a Department of Population Planning of which the Center for Population Planning is an important part. The Department, unlike most in the University, is interdisciplinary and will continue to function administratively for initiation and expansion of population planning activities in the entire University. In its strengthened position as one of the 88 basic academic organizational units (departments or non-departmentalized schools and colleges) of the University it continues with the Center for Research in Reproductive Biology and the Population Studies Center as the major components of the University Population Program.

Among the principal specific contributions of the grant during the year were:

1. Continued growth of specialized population programs in economics and geography.
2. A new program in social work and population planning.
3. Addition of three new faculty and three visiting faculty.
4. Recruitment of six new faculty for 1971-72.
5. Continued support to Malaysia's National Family Planning Board following withdrawal of Ford Foundation support.
6. Continued support to Nepal's MCH and Family Planning Program during an eight months' break in the A.I.D. contract.

7. Initiation of cooperative research with the Indian Institute of Technology, Kanpur, U.P.
8. Expansion of population education activities jointly with the School of Education.
9. Initiation of research in family economics and family planning with the University of Baroda, India.
10. Initiation of research on the capacity of UN agencies to handle technical assistance needs in population planning.
11. Continued basic support of faculty, staff and graduate students in population planning.

## II. Grant Objectives

The basic purpose of this grant is to develop within the University of Michigan specialized competency in population planning of less developed countries (LDC's). This is seen to involve a substantial increase in (1) the staff and other resources of the University's Center for Population Planning and (b) the participation of other university schools and colleges, departments, centers, institutes and other units which possess skills related to population planning.

The specific objectives of this grant as stated in the original proposal are:

1. To increase the University's capacity to provide program administrators and academic personnel from developing countries with advanced and specialized training in various aspects of population planning.
2. To increase the University's capacity to provide training and educational opportunities for professional staff members of A.I.D. and other agencies rendering technical assistance in population planning overseas.
3. To undertake a series of comparative studies dealing with population change, population policy, fertility, and population planning programs in developing nations.
4. To develop training and educational materials based upon investigation into actual problems in population planning in the developing nations. These materials will be made available to other universities and agencies in the United States and abroad.
5. To develop and organize interdisciplinary courses of study relating to population problems in developing areas, including special short courses for U.S. and foreign students. This will involve the introduction of new courses and the appropriate restructuring of certain existing courses to incorporate the findings and knowledge derived from the activities of this proposal.
6. To increase the University's capability in technical consultation on population matters for A.I.D. in the United States and overseas.

### III. Major Accomplishments during 1970-71

#### A. Development of Teaching Competence

Since much of the teaching and most of the developmental work involved in establishing new courses and new teaching programs in population planning and related subjects at the University of Michigan are interdisciplinary, involving active participation by various members of the faculty, attribution of accomplishment cannot easily be made to one particular source of financing such as AID Grant csd-2171. It is patent, however, that most of the progress in teaching in economic demography, population geography, population education and social work did depend upon 211 (d) financial support. Specific attribution is also made in Appendix 3-Courses Given in 1970-71 and Appendix 4-Seminars, 1970-71 by starring those that received primary support from 211 (d). Additional courses given significant support by this grant were Economics 667 Economics of Population, Winter Term II, Professor Simmons and a new seminar course for social workers Population Planning and Control, Winter Term II, Professors Meyer and Paul Glasser.

Twenty-six Michigan alumni in population planning are currently working in less developed countries (see Appendix 2).

Three doctoral dissertations dealt directly with population planning in less developed countries: David Kleinman's on Fertility Variations and Resources in Rural India; Timothy Johnson's on application of a program evaluation model to Malaysia's national family planning program; and Helen Koo Bilsborrow's study of induced abortion in Taiwan.

Four graduate students received financial support from this grant during the year (see IV. Expenditures for details).

#### B. Development of Research Competence

As in previous years most contributions to the development of research competence by this grant were support of specific projects, largely developmental in nature. Partial support was also provided for the Center's continuing research seminar and to the Center's research resources, particularly in data processing and computer programming. Brief descriptions of the major research projects funded in full or in part from the grant follow.

## Specific Research Projects Supported by this Grant

### Family Planning Policy and Field Operation in Malaysia and the Philippines

Dr. Gayl Ness of the University of Michigan's Sociology department completed his thirteen month's stay in Malaysia on August 1, 1970. At the same time, his research assistant, Mr. Ando, completed thirteen months spent mostly in the Philippines, with the final two months being spent in Malaysia. The general aim of this field research project was to examine selected political and administrative aspects of population planning programs in two developing nations.

Support was provided by means of two research grants. One was through a Ford Foundation institutional grant to the University of Michigan's Population Program and covered field research costs, specifically for research and interview assistance, travel and supplies. The other was through 211 (d) and provided the salaries of Dr. Ness and Mr. Ando and the cost of their international transportation and travel expenses. A detailed report is available upon request.

### Organizing for Social Change: The Family Planning Program for Uttar Pradesh - Kanpur

Work continued on the collaborative research project involving the Indian Institute of Technology at Kanpur, and the Center for Population Planning at the University of Michigan. Four colleagues from IIT, Drs. Ali Ashraf, Usha Kumar, B.D. Misra, and K.K. Singh visited Ann Arbor during the period June 28 to August 6, 1970 to consult with members of the Michigan Kanpur team.

During the period September 2 to October 1, 1970, Dr. George Simmons was in India where he visited IIT for the purpose of further discussion with the four members of the IIT Kanpur team. In efforts to gain support for the Kanpur project, Dr. Simmons also went to Delhi for conferences with Education Ministry staff members and USAID mission staff.

During the months of October and November (10-3 to 11-29) Dr. Fred Munson was also in India conferring with IIT faculty. Upon his return to the US Dr. Munson continued his preparation for the study of organizational effectiveness of the district-level Indian family planning organization. The modifications resulting from work done with colleagues from Kanpur and in the field during October and November, 1970 were integrated in the study design.

Questionnaires and interview schedules were revised, reviewed by the project group, and made ready for final pre-test by Dr. Simmons in June and July of 1971.

Dr. Misra and Dr. Ashraf revisited Ann Arbor from April 3-16 for further consultation with members of the Michigan Kanpur team.

On June 30, 1971, the project was approved and partially funded under the University Services Grant AID/csd-3321 for the period July 1, 1971 through June 30, 1973 with Drs. Misra and Simmons as co-Project Directors.

#### Logics and the Geography of Population Planning

Dr. Gunnar Olsson of the University of Michigan's Geography department was in Thailand during the period from May 2 to September 14, 1970 for the purpose of conducting field research. Dr. Olsson's notes on "Migration and Resettlement: some comments on action suggested by scientific Models" which includes a section entitled "Empirical Impressions from Thai Data" are available upon request.

#### The Relationship between Demographic and Economic Phenomena in Households of Baroda

Under the direction of Dr. George Simmons, a project was undertaken to investigate the interrelationship between economic and demographic behavior in Baroda. The field work was carried out by Richard Anker, a graduate student in Economics, who, together with his wife, worked with the Demographic Research Center of the University of Baroda. Baroda was chosen because of work done there previously by Dr. Thomas Poffenberger. While in India during September 1970, Dr. Simmons met in Baroda with staff members of the Demographic Research Center, faculty members of the University of Baroda, Dr. Poffenberger, and Richard and Martha Anker.

The work will be completed in the U.S. under the University Services Grant AID/csd-3321 which includes this project approved and funded on June 30, 1971 for one year from July 1, 1971 to June 30, 1971 at a cost of \$17522.

#### Integrated Rural MCH/Family Planning Program in Malaysia

During the months of February and March 1971, Dr. J.Y. Peng was in Malaysia where, together with Dr. Ariffin bin Marzuki, Director General of the NFPB and Dr. Raja A. Noordin, Chairman of the Central Coordination Committee, The Integrated Rural MCH/Family Planning Program, he assisted in starting the integration of the family planning program with the rural health services.

Dr. Peng participated in the Central Coordination Committee meeting for policy making, design and review of the program, and in the evaluation sub-committee activities to finalize the procedure

of evaluation and analysis, and made field trips to the study and service demonstration areas. A detailed report is available upon request.

#### Fertility Behavior in an Indian Village

Since 1962 a study of fertility behavior of villages near Baroda, India, has been undertaken under the direction of Dr. Poffenberger. A census was taken of all families in a suburban village and fertility histories taken on all ever-married women. There were 332 households and a total population of 1698 people. For a longitudinal depth study, a twenty percent sample of families was selected, representing the four major caste and community groups. Intensive interview and observation studies were conducted on these families over a four-year period by a staff of four men and two women. Follow-up studies have continued since 1965. In addition, material was gathered on the economic, political, social and educational institutions of the village and the surrounding political unit. The government family planning program, as it reached the village, has also been studied from 1966.

#### Population Education in India

Dr. Poffenberger has been conducting research in an Indian village school in cooperation with the School of Education of the University of Michigan and the University of Baroda, India. The initial project resulted in a detailed interview study of all students in the final class of a village high school in terms of knowledge, attitudes and behavior regarding fertility variables. The findings of this preliminary survey are being used for planning a long range population education program with the University of Baroda, with support by the Ford Foundation.

A visit to India for two months as a consultant for the Ford Foundation has resulted in a five year research and action proposal. The project has been funded by the Ford Foundation and awaits approval by the Indian Government.

#### Population Education in the U.S.

A population education survey of post high school boys in the United States is being carried out by Dr. Poffenberger in cooperation with the Survey Research Center of the University of Michigan. The Survey Research Center has been conducting a national probability sample survey of American boys to determine the extent of differences in knowledge, attitudes and behavior related to different environmental backgrounds. The boys were first surveyed in the 10th grade. The same boys were surveyed again when they were in the 12th grade. A fourth survey was

conducted one year after high school graduation. On the last survey, a series of interview questions as well as test and questionnaire items regarding population education were included. These items will provide normative data for those planning population education courses as well as indicate demographic, social and psychological variables associated with attitudes regarding family size norms and related issues.

Political Implications of Demographic Change - Dr. Finkle completed the basic research for a monograph or book dealing with the political and social implications of population change and plans to finish the writing by July, 1972.

The Economic Impact of India's Family Planning Program - Dr. Simmons completed further analyses of his earlier data on the economic effects of family planning in India and prepared a special publication of his findings with partial financial support from the Population Council (see Publications).

Multilateral Agencies in Population Assistance - Dr. Finkle is engaged in a long term study of the response of the United Nations system to the population problem. Major components of the system are the United Nations Fund for Population Activities within the U. N. Development Program, the U. N. Population Division within the Secretariat, the World Bank, WHO, UNESCO, ILO, and FAO. During 1970-71 he concentrated mainly on the World Bank and the UN organizations which are located in the U.S., and in 1972-73 he intends to do field research on the Specialized Agencies with particular reference to family planning programs in developing countries.

As an increasing proportion of assistance for population and family planning programs is being channeled through multilateral agencies, significant issues are being raised regarding the capacity of these agencies to expand their activities and assume increased responsibilities for planning, financing, and implementing projects effectively. Dr. Finkle will examine these issues in relation to the political and administrative structures of the various organizations rendering assistance, division of labor among them, mechanisms for coordination, interests of donor and recipient countries, and proposed new approaches at the multilateral level.

Motivational Determinants of Family Planning - The objectives of this study by Dr. Kar and colleagues in Chile and India are to explore: (1) the motivational correlates of early, late and non-acceptance of family planning among populations of LDCs (India and Chile) to investigate why, under comparable socio-economic

conditions and accessibility of contraceptives, some accept family planning early, some late, and others to not accept; (2) whether the nature and intensity of communication activities undertaken by change agents are related with the rates of acceptance of contraception, and (3) the nature and characteristics of effective and ineffective persuasive communication for motivating ambivalent and unmotivated populations. The relationship between these variables and family planning will be studied within each culture to test the influence of urbanization and organizational inputs. These relationships will be studied between two cultures to test cross-cultural validity of the hypotheses.

Areas (PHC's and clinics) with high, moderate, and low family planning acceptance rates will be selected for study. Secondary data will be analyzed to test the relationship between acceptance levels and (a) organizational inputs, and contraceptive services, and (b) communication inputs. Rural and urban samples from areas with various levels of acceptance will be interviewed (Sample approximately 3000) to test the hypotheses and to explore motivational correlates of early, late, and non-acceptance, as well as to measure the impact of various forms of communication inputs. Change agents and outreach workers (Sample about 300) from rural and urban areas will be interviewed and communication activities will be observed to explore the relationship between the nature of communication inputs and contraception. Finally persuasive communication strategy effective for motivating non-users will be intensively studied and described.

Evaluation of Malaysia's Family Planning Program - This series of inter-related projects in which Drs. Ariffin, Corsa, Peng and Takeshita are co-investigators is part of continued collaboration between the National Family Planning Board of the Government of Malaysia and the Center for Population Planning of the University of Michigan in evaluation of the national family planning program of Malaysia. It utilizes the unusually complete sets of birth, service and survey data of the Malaysian program and the unusual cross-matching opportunities made possible by application of universal identification card numbers in all sets of data.

The general objective of this project is to continue development of plans and procedures for evaluation of the Malaysian family planning program for administrative use in Malaysia and elsewhere, to train personnel to carry out and develop further these plans and procedures in Malaysia, and to make those procedures which prove most useful available to programs worldwide.

The following specific studies were active during 1970-71:

- (1) Annual numbers, rates and detailed characteristics at acceptance of all program acceptors.
- (2) Continuation rates for NFPB clinic users of oral contraceptives from missed appointment records.

- (3) Post-acceptance natality rates for all acceptors from birth records.
- (4) Comparison of continuation rates of oral contraceptive users by (a) sample follow-up home interview and (b) program missed appointment record.
- (5) Program acceptor rates of 1966 national family survey (by cross-matching with acceptor records) to compare survey responses on desire for family planning with other characteristics and program accessibility to identify determinants of program acceptance.
- (6) Program acceptor rates of women who delivered in maternity hospitals with and without active postpartum patient contact (by cross-matching birth records with program acceptor records).
- (7) Program acceptor rates of women who used Family Planning Association services prior to onset of national program (by cross-matching pre-1967 FPA records with program acceptor records).

Utilization of Village Midwives in Family Planning in Malaysia - This action study by Drs. Ariffin, Noordin, Hardee and Peng to be implemented in Malaysia will utilize traditional village midwives (kampong bidans) for promotion of recruiting family planning acceptors and re-supply of oral contraceptives in rural areas as part of the Integrated Rural MCH/Family Planning Program.

There are more than 1,000 kampong bidans in rural Malaysia attending about half of home deliveries of the country. They are still influential in rural communities of Malaysia. The long-term aim is to change the role being played by the kampong bidans from that of attending deliveries in a traditional way to including family planning services and to referring mothers to health centers for special services.

The Malaysian Family Planning Program has made great use from the outset of oral pills distributed by para-medical people. To expand services into rural areas, an integrated rural MCH/family planning program was designed jointly by the Ministry of Health and the National Family Planning Board. Some 360 bidans have been trained for this purpose. Fifty bidans will be included in the first year's study, 100 for the second year and 200 for the third year. Selected kampong bidans will be assigned under the supervision of the nurse at the health center. Bidans will be instructed to have a close tie with the health center in referring ante-natal mothers for examination, and for aseptic deliveries and bringing post-natal mothers for family planning initial screening and acceptance. After the initial supply of oral pills, the mother will be assigned to bidans for re-supply of oral pills under her supervision. A special form is designed for recording by bidans, and regular contacts with the health center staff will be scheduled.

## Conference on India and Family Planning

The main purpose of this conference, held in Ann Arbor on August 4 and 5, 1970, was to bring together South Asia area specialists and family planning technical specialists in order to explore the possibility of future cooperation of these two groups.

The conference was organized by the Association for Asian Studies, the Committee on Institutional Cooperation, and the Center for Population Planning, with Dr. Finkle and Dr. Simmons as co-chairmen.

Conclusions were that further collaboration could possibly be achieved by

- a) The creation of opportunities for small groups of specialists, such as anthropologists and family planning experts, to exchange information on specific and limited problems;
- b) The generation of papers by representatives of both area and technical specializations focusing on common subject matter;
- c) The use of such forums as AAS meetings or the Michigan Rotating Seminars for presentation and exploration of ideas and possible areas of research interest;
- d) The use of the 1971 summer programs offered by The University of Michigan and Michigan State University, and other universities as possible vehicles for area and technical specialists interaction;
- e) The encouragement and support of more regional meetings similar to the Ann Arbor conference.

### C. Development of Competence for Consultation and Service

Inherent in all of the activities financed by this grant in which faculty and students are exposed to population problems and programs of the less developed countries is the development of consultative capacity. Such capacity, however, is difficult to measure and of little value except as it is used. Even the measure of use is usually incomplete since only major activities tend to be counted whereas much useful consultation goes on by unrecorded and unreported telephone and personal conversations. Furthermore, since it is not the intent of this grant to provide significant consultation and service, the utilization of such capabilities developed by this grant is generally financed elsewhere and depends largely upon the initiative of other parts of AID.

During 1970-71 because of the sizeable internal growth problems in population planning in both AID and The University of Michigan relatively little use was made of specific University of Michigan competence in consultation and service.

A new AID/Nepal contract was negotiated in March-May for activation in July, 1970 but first bureaucratic delays in Washington and later a hold on federal contracts to The University in response to changes of discrimination against females delayed signing of the contract until February.

The grant also made possible support of an AID overseas family planning medical advisor whose domestic and overseas clearances were unduly prolonged. At Michigan the advisor was able to increase his knowledge of U.S. family planning programs and of the country and family planning programs to which he was assigned.

Staff of the Center continued formal and informal consultations with various AID staff in Washington and Ann Arobr. See starred items under Consultation and Organizations, and under Conferences.

#### D. Involvement of Other University Resources

As last year the most effective relationships and activities with other units of The University followed from joint faculty appointments such as those with economics, education and social work.

A new faculty member was recruited for 1971-2 jointly with the Center for Research in Economic Development (a 211d grantee on economic policy and planning in Africa) to move ahead on research in population and economic change in Africa.

#### E. Cooperation with Other Universities

Again the internal demands inherent in institutional development of new programs in population planning took precedence over needs for inter-university cooperation. No significant progress was made in organized cooperative activities. The Population Club (directors of American university population units administered by Schools of Public Health: Columbia, Harvard, Hawaii, Hopkins, Michigan, North Carolina, Pittsburg, Texas, Tulane) met twice, with primary attention to defining the elements and functions of U.S. universities in applied population education and research as a first step to defining and meeting U.S. needs in this area.

Cooperative arrangements were begun by Hopkins, Michigan, and North Carolina in developing with AID The University Overseas Internship Program and their University Service Grants.

IV. Expenditures

A. Total (See Project Budget Report)

| <u>Budget Line Item</u>               | <u>Totals</u> |
|---------------------------------------|---------------|
| Salaries, Wages, &<br>Fringe Benefits | \$223,935.04  |
| Stipends                              | 9,370.00      |
| Tuition                               | 3,710.00      |
| Supplies                              | 17,679.31     |
| Travel                                | 23,760.14     |
| Equipment                             | 519.00        |
|                                       | <hr/>         |
|                                       | \$278,973.49  |

B. Salaries, Wages, and Fringe Benefits

|         | <u>Name</u>          | <u>% FTE Employed<br/>on Grant</u> | <u>% Salary Paid While<br/>employed on Grant</u> |
|---------|----------------------|------------------------------------|--|
| Faculty | Finkle, Jason        | 100                                | 100  |
|         | Koda, Kazue          | 34                                 | 100  |
|         | Kumar, Joginder      | 85                                 | 100  |
|         | Meyer, Henry         | 58                                 | 50   |
|         | Munson, Fred         | 50                                 | 50   |
|         | Ness, Gayl           | 8.5                                | 100  |
|         | Olsson, Gunnar       | 8.5                                | 100  |
|         | Peng, J.Y.           | 17                                 | 100  |
|         | Poffenberger, Thomas | 100                                | 100  |
|         | Simmons, George      | 100                                | 100  |

|                 | Name                  | % FTE Employed<br>on Grant | % Salary Paid While<br>employed on Grant |
|-----------------|-----------------------|----------------------------|--|
| Research        | Anker, Richard        | 100                        | 100                                      |
|                 | Denney, Shirley       | 100                        | 100                                      |
|                 | Goodman, John         | 50                         | 100                                      |
|                 | Hirofumi, Ando        | 34                         | 100                                      |
|                 | Hughes, Sarah         | 25                         | 25                                       |
|                 | Hunter, Helen         | 50                         | 100                                      |
|                 | Hurdle, James         | 59.5                       | 100                                      |
|                 | Kelkar, Govind        | 8.5                        | 100                                      |
|                 | Maru, Rushikesh       | 8.5                        | 100                                      |
|                 | McConochie, Daniel    | 8.5                        | 100                                      |
|                 | McConochie, Roberta   | 8.5                        | 100                                      |
|                 | Poffenberger, Shirley | 89                         | 100                                      |
|                 | Rodriquez, Silvia     | 21                         | 100                                      |
|                 | Reineck, Stephanie    | 8.5                        | 100                                      |
|                 | Sebaly, Kim           | 50                         | 100                                      |
| Thomas, Stephen | 34                    | 100                        |  |
| Weiss, Eugene   | 29                    | 100                        |  |
| Administrative  | Baggaley, Stuart      | 50                         | 50                                       |
|                 | Durr, Gwendolyn       | 13                         | 100                                      |
|                 | Engbretson, Sandra    | 17                         | 100                                      |
|                 | Goldstein, Ellen      | 72                         | 100                                      |
|                 | Grimes, Dee Ann       | 50                         | 100                                      |
|                 | Hill, Jane            | 8.5                        | 100                                      |
|                 | Johnson, Charlotte    | 17                         | 100                                      |
|                 | Knapp, Iris           | 64                         | 100                                      |

|                             | Name              | % FTE Employed<br>on Grant | % Salary Paid While<br>employed on Grant |
|-----------------------------|-------------------|----------------------------|--|
| Administrative              | Lewis, Carol      | 100                        | 100                                      |
|                             | Silverstein, Joel | 42.5                       | 100                                      |
|                             | Staggs, Marlene   | 62.5                       | 100                                      |
| Part-time<br>(less than 5%) | Gold, Marilyn     |                            | 100                                      |
|                             | Mayeda, Linda     |                            | 100                                      |
|                             | Su, Jean          |                            | 100                                      |
|                             | Wieczorek, Mary   |                            | 100                                      |
| Consultants                 | Adams, Jacob      | 1 day                      |  |
|                             | Ashraf, Ali       | 46 days, & 14 days         |  |
|                             | Chow, Lien        | 1 day                      |  |
|                             | Esman, Milton     | 2 days                     |  |
|                             | Jaffee, Frederick | 2 days                     |  |
|                             | Kleinman, Goldy   | 10 days                    |  |
|                             | Kumar, Usha       | 46 days                    |  |
|                             | Misra, B.D.       | 46 days, & 14 days         |  |
|                             | Pope, Carl        | 2 days                     |  |
|                             | Sadik, Nafis      | 2 days                     |  |
|                             | Salas, Rafael     | 2 days                     |  |
|                             | Singh, K.K.       | 38 days                    |  |
|                             | Sirageldin, Ismal | 2 days                     |  |
|                             | Viel, Benjamin    | 2 days                     |  |
| Wright, Nicholas            | 2 days            |                            |  |

C. Stipends

| <u>Degree</u> | <u>Name</u>     | <u>Department</u>                     | <u>Stipends</u> |
|---------------|-----------------|---------------------------------------|-----------------|
| M.S.          | Chamie, Joseph  | Population Planning                   | \$3,000.00      |
| Ph.D.         | Holzer, Marc    | Public Administration                 | 1,800.00        |
| Ph.D.         | Maru, Rushikesh | Economics                             | 670.00          |
| Ph.D.         | Weiss, Eugene   | Educational Psychology<br>& Education | <u>3,900.00</u> |
|               |                 |                                       | \$9,370.00      |

D. Tuition

|                |                |
|----------------|----------------|
| Chamie, Joseph | \$ 990.00      |
| Holzer, Marc   | 1160.00        |
| Weiss, Eugene  | <u>1560.00</u> |
|                | \$3710.00      |

E. Supplies

Expendable office supplies, postage, printing, and toll calls \$17,679.31

F. Travel

International Travel:

|             |              |
|-------------|--------------|
| Dr. Ashraf  | \$ 98.31     |
| Dr. Misra   | 71.00        |
| Dr. Munson  | 559.00       |
| Dr. Ness    | 4,337.00     |
| Dr. Olsson  | 2,069.00     |
| Dr. Peng    | 2,159.29     |
| Dr. Simmons | 908.00       |
| Dr. Singh   | <u>75.21</u> |
| Dr. Usha    | \$10,889.19  |

Domestic Travel: 12,870.95  
\$23,760.14

The persons listed on the previous page under F International Travel undertook the travel for the purposes described in III B "Specific Research Projects Supported by this Grant".

G. Equipment

| <u>Date</u> | <u>Item</u>         | <u>Cost</u> | <u>Mfr.</u>  | <u>Purpose</u>                  |
|-------------|---------------------|-------------|--------------|---------------------------------|
| 3/13/71     | Electric typewriter | \$173.00    | Smith-Corona | Research use<br>S. Poffenberger |
| 3/13/71     | Electric typewriter | \$173.00    | Smith-Corona | Faculty use<br>Dr. Kar          |
| 3/13/71     | Electric typewriter | \$173.00    | Smith-Corona | Faculty use<br>Dr. Peng         |

Total amount budgeted for 1970-71: \$356,468.00

Total amount expended in 1970-71: \$278,973.49

V. Work Plan and Budget Forecast for 1971-72.

Prospects for progress in population planning at Michigan made possible by 211d support during 1971-72 look exciting. First the four faculty members (Jason Finkle, Henry Meyer, Thomas Poffenberger and George Simmons) receiving long term support from 211d be able to move forward in teaching in population planning, economics, education and social work and in research on social and political implications of family planning programs, the capacity of the United Nations system to provide technical assistance in population planning, evaluation of Indian's family planning program and directions for population education. In addition, new faculty will be opening up new teaching and research activities in biostatistics, in education, in psychology and in economic development of Africa. Present faculty will be essentially continuing teaching and research work described earlier in this report. The newcomers will be spending some time getting oriented to Michigan and the field and developing specific research proposals although they come with good general ideas of what they want to do next.

Institutionally this will be a year of getting settled in new quarters and a modified organizational setting, both of which should facilitate our work greatly in the long run. As one sign of institutional maturity or aging the department during calendar 1972 will be without its chairman for whom it is sabbatical time which he will spend at World Health Organization headquarters in Geneva writing a book and working on WHO population planning problems. Dr. S.B. Kar will be in charge during the year as Acting Chairman of the Department and Acting Director of the Center.

Budgeted expenditures under the grant are \$327,000 for 1972-3 and are largely committed already for support of existing faculty and staff.

THE UNIVERSITY OF MICHIGAN  
CENTER FOR POPULATION PLANNING

Covering

Fiscal Year July 1, 1970 - June 30, 1971  
Academic Year September 1, 1970 - August 31, 1971



Geographic Distribution of Alumni and Former Faculty in Population Planning  
as of October 1, 1971

## CENTER FOR POPULATION PLANNING

### Origin and Objectives

POPULATION PLANNING is a new and important area of knowledge dealing with organized efforts to achieve optimal balance between human reproduction and quality of life. The Center for Population Planning was established in 1965 for teaching, research and service in this new field. Until October 1, 1971 when a Department of Population Planning was established it was administratively in the Office of the Dean, School of Public Health.

THE CENTER is an interdisciplinary organization operating at the interface between the University and society. With its sister centers in the University Population Program- the Center for Research in Reproductive Biology and the Population Studies Center- it helps utilize relevant resources of the University for the definition and solution of problems arising from natality levels in different parts of the world. Through active participation in program development, research and teaching with various governments, foundations, universities and other organizations at home and abroad it deals directly with current issues at the same time that it seeks new knowledge to predict and change the future. Through specialized graduate courses and programs of study it helps meet the growing demand worldwide for a variety of qualified persons for this new field.

## Contents

|                                |    |
|--------------------------------|----|
| Summary                        | 1  |
| Staff                          | 3  |
| Students and Teaching          | 7  |
| Field Partnerships             | 12 |
| Research                       | 14 |
| Reference Collection           | 22 |
| Financial Support              | 22 |
| Consultation and Organizations | 23 |
| Conferences                    | 25 |
| Publications                   | 27 |

## Appendices

1. Students Majoring in Population Planning, Academic Year 1970-71
2. Alumni in Population Planning
3. Population Planning Courses Given 1970-71
4. Population Planning Seminars, 1970-71
5. Expenditures and Sources of Funds, 1965-71

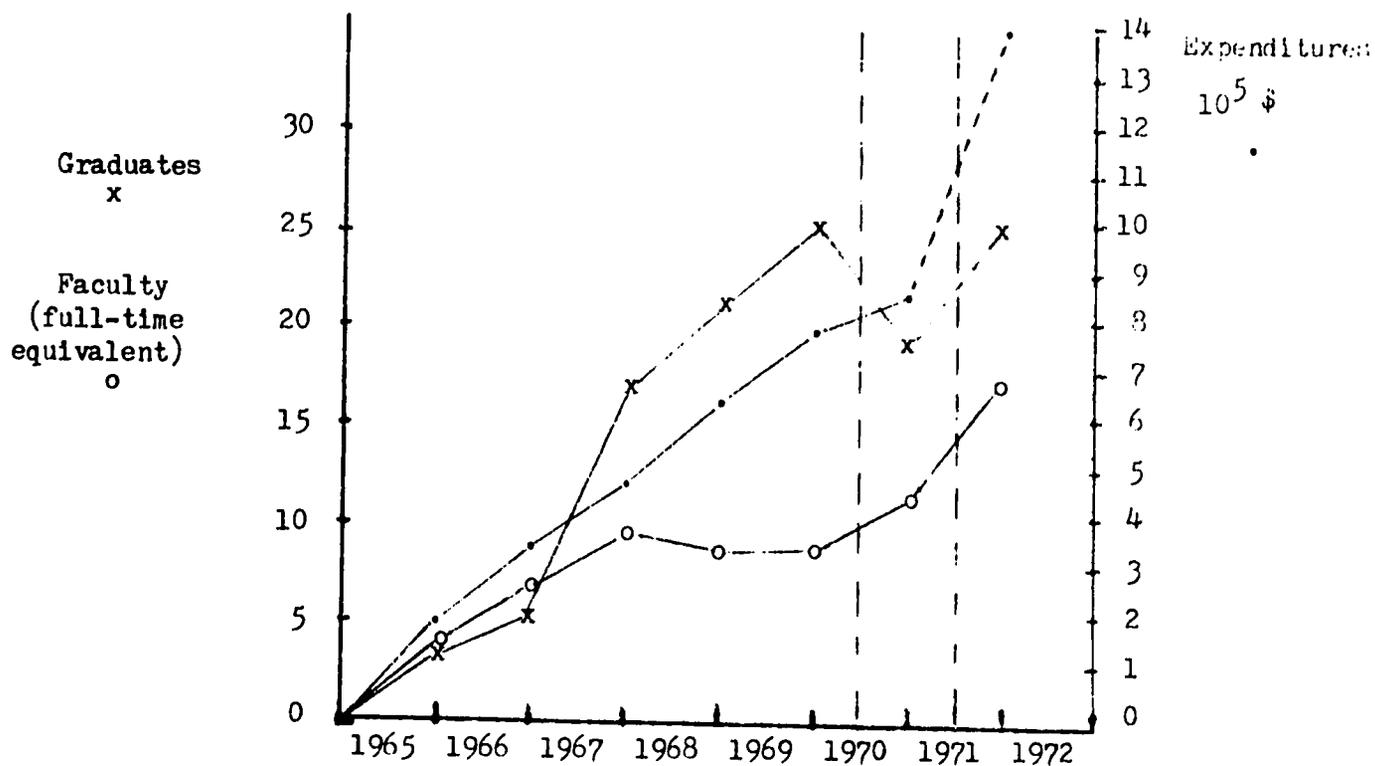
THE UNIVERSITY OF MICHIGAN  
CENTER FOR POPULATION PLANNING

Sixth Annual Report

This sixth annual report\* of the Center for Population Planning is in a sense the last. In the Fall of 1971 the Center will reach two institutional goals established when it was created by the Regents in 1965. During September it will move into permanent quarters and on 1 October it will evolve into the Department of Population Planning in the School of Public Health. The Center will continue as a unit of the Department to facilitate certain intra-university research and service functions but most of what has been the work of the Center during 1965-71 will henceforth be the work of the Department, the basic academic organizational unit of the University.

The sixth year of the Center as a young organization actively growing is best seen in perspective of what has already happened in the first five years and what is likely to happen in the immediate future. Figure 1 presents such perspective using three salient indices.

Figure 1 - Population Planning Faculty, Graduates and Expenditures, 1965-72



\* This report summarizes the Center's activities during two overlapping time periods. For most purposes we report (as we have in previous years) for the University's fiscal year starting 1 July; however, for teaching and student purposes we report for the University's academic year consisting of three four month terms starting 1 September.

The three indices are simple representations of one major input (money), one major ingredient (faculty) and one major output (graduates) of such a university unit. They reflect the general growth pattern of the Center but, as is the case with most simple representations, they tell a very incomplete story. It is as important to know the sources and types of expenditures as the total. Appendix 5 gives such details but even it cannot show that the federal government was cutting back its support from domestic funds at the same time that it was increasing support from foreign aid funds, and this in a year that brought a new Family Planning and Population Research Act for the United States! The number of graduates becomes more meaningful when one sees their distribution among our five programs of study in Table 1 (page 8). The number of faculty means much more when you see who they are, from what fields they come, what they are doing in teaching and research and services in the pages ahead. Together all of our indices indicate healthy evolution at Michigan of a fascinating new field of knowledge that is being repeated in other universities around the world in response to the challenges being felt and recognized more widely each year in the imbalance of human reproduction and "quality of life," however you wish to define and measure it.

Among the more important events in which Center staff were involved during the year in approximate order of their occurrence were:

- Initiation of the University Overseas Population Internships (p. 10)
- First challenge in the national drive for equal rights for females under the Civil Rights Act (p. 12)
- 1970 decennial White House Conference on Children (p. 23)
- Increased technical assistance for public family planning in Michigan (p. 12)
- A new cooperative research program with the Indian Institute of Technology at Kanpur, Uttar Pradesh (p. 12)
- Steady progress in the Malaysia-Michigan partnership (p. 12)
- A new look at Michigan's population planning curriculum (p. 9)
- A new University Service Grant from A.I.D. (p. 21)
- Recruitment and selection of ten new faculty (p. 5-6) and about 35 new graduate students.

Staff of Center for Population Planning during 1970-71

Leslie Corsa, Jr., M.D., M.P.H., Director  
Professor of Population Planning

Teaching Faculty

Johan W. Eliot, M.D., M.S., M.P.H., Associate Professor of Population Planning

Jason L. Finkle, Ph.D. (Political Science), Associate Professor of Population Planning

S.B. Kar, Dr.P.H., Assistant Professor of Health Education and Population Planning

J.Y. Peng, M.D., D.P.H., M.S., Assistant Professor of Population Planning

Thomas Poffenberger, Ed.D., Associate Professor of Education and Population Planning

George B. Simmons, Ph.D., (Economics), Assistant Professor of Economics and Population Planning

John Y. Takeshita, Ph.D. (Sociology), Associate Professor of Population Planning

Research Associates

Dipak Bhatia, M.D., Advisor - Family Planning, The Ford Foundation, New Delhi, India (from June 24 - August 31, 1971)

James D. Clarkson, Ph.D., Assistant Professor of Geography

Saad Gadalla, Ph.D., Associate Director, Social Research Center, The American University in Cairo, U.A.R. (from September 1, 1970 - August 31, 1971)

Kazue Koda, Ph.D., Professor of Sociology, Osaka University, Tokyo, Japan (from November 1, 1970 - March 18, 1971)

Joginder Kumar, Ph.D. (from October 1, 1970)

Henry Meyer, Ph.D., Professor of Social Work and Sociology (from August 26, 1970)

Fred Munson, Ph.D., Associate Professor of Hospital Administration

Gayl D. Ness, Ph.D., Associate Professor of Sociology

Gunnar P. Olsson, F.D., Associate Professor of Geography

Kim Sebaly, B.A., (from September 1, 1970 to May 5, 1971)

Ruth Simmons, Ph.D., (from May 1, 1971)

Robert B. Smock, Ph.D., Professor of Sociology, Dearborn Campus, (from October 12, 1970 to June 13, 1971)

Stephen C. Thomas, M.D., M.P.H., (from September 1, 1970 to December 31, 1971)

Aram A. Yengoyan, Ph.D., Associate Professor of Anthropology

Non-Resident Lecturers

Ariffin bin Marzuki, M.B.B.S., M.R.C.O.G., Director, National Family Planning Board, Prime Minister's Department, Kuala Lumpur, Malaysia

Lien P. Chow, M.D., Dr.P.H., Director, Chinese Center for International Training in Family Planning, Taichung, Taiwan

Donald Harting, M.D., M.P.H., Director, Population Program, American Public Health Association, New York, N.Y.

Shih C. Hsu, M.D., M.P.H., Chief, Rural Health Division, Joint Commission on Rural Reconstruction, Taipei, Taiwan

Samuel M. Wishik, M.D., M.P.H., Director, Division for Program Development and Evaluation, International Institute for the Study of Human Reproduction, Columbia University, New York, N.Y. (from May 1, 1971)

Administrative Assistants

Stuart Baggaley (from September 1, 1970)

Marian Holman

Librarians

Jeannette Goldberg, A.M.L.S.

Dan Joldersma, A.M.L.S.  
(from January 6, 1971)

Computer Programmers

Howard Bond, M.A., M.S.

Sarah Hughes, B.S.  
(to June 11, 1971)

Research Staff

Richard Anker, M.A.

Joyce Callender, B.A. (from September 14, 1970)

Gretchen Chua, B.A. (to August 31, 1970)

Shirley Denney, B.A.

Jack Goodman, M.A. (to March 1, 1971)

Carolyn Houser, M.P.H. (to August 31, 1971)

Helen Hunter, M.P.H. (from January 4, 1971)

Richard Johnson, M.P.H. (from April 5, 1971)

J. Timothy Johnson, M.S.

Barry Karlin, M.P.H. (to August 31, 1971)  
Goldy Kleinman, M.A. (to August 31, 1971)  
Richard Monteith, M.P.H. (from January 4, 1971)  
Jamila Naeem, M.P.H. (from September 1, 1971)  
Deborah Oakley, M.P.H.  
Silvia Pedraza, M.A. (from April 16, 1971)  
Shirley Poffenberger, M.A.  
Aziza Rashad, M.A. (from November 11, 1970 to August 31, 1971)  
Judith Rice, M.A. (from January 4, 1971)  
Judith Stone, B.A.  
Lois Verbrugge, M.P.H.  
Neva Wallace, M.P.H. (September 1, 1970)  
Eugene Weiss, M.P.H. (from October 1, 1970)  
Jerald Young, M.P.H. (from March 22, 1971)

#### Administrative Staff

Nancy DeBorde (from November 23, 1970)  
Gwendolyn Durr (to February 5, 1971)  
Sandra Engebretson, M.S.W., (from October 5 to December 1, 1970)  
Ellen Goldstein, B.A. (to May 11, 1971)  
Dee Ann Grimes (from December 23, 1970)  
Helen Heys, B.A. (from September 14, 1970)  
Jane Hill, B.A. (from May 17, 1971)  
Rita Kambos, B.A. (from September 11, 1970)  
Iris Knapp  
Carol Lewis (to August 13, 1971)  
Eva Lurgenstein (from November 12, 1970 to January 8, 1971)  
Patricia Meyer, B.A. (to October 26, 1970)  
Rebecca Oaks, B.A. (from September 15, 1970 to August 22, 1971)  
Marlene Staggs  
Petra Steinitz (from September 9, 1970)  
Elnora Welke (from November 11, 1970)  
Pamela Argersinger Ziegel, B.S., (from January 11, 1971)

#### Temporary or Part-Time Staff

Marilyn Abele  
Arlene Buch-Houghton (from March 11, 1971)  
Seth Eaton (from June 1 to July 31, 1971)  
Peter Edwards (from January 18, 1971)  
Joan Geisel, A.B. (from October 5 to December 31, 1970)  
James Hurdle, B.A. (from December 1, 1970 to August 31, 1971)  
Rushikesh Maru, M.A. (from April 16 to August 31, 1971)  
Thomas McDevitt, M.A. (from May 4 to July 31, 1971)  
Madeline Phares, B.A.  
JoAnn Robinson, B.A. (from March 12, 1971)  
Cynthia Selin (from June 21 to August 4, 1971)  
Joel Silverstein  
Kristina Stevens (to August 15, 1971)  
John Strouss (from September 9, 1970)

## STAFF

As predicted in last year's report and seen in Figure 1 of this report, 1970-71 was unusual in the Center's pattern of growth in that the number of career faculty decreased slightly. Even so, teaching and research activities and development moved forward faster than in 1969-70 and as a result of successful recruitment of new faculty, prospects for 1971-72 are exciting. Life was complicated during the year by having to expand temporarily into two small facilities without easy access to our central offices while we waited completion of permanent quarters in the School of Public Health. Life was brightened and we were honored by having Mrs. Oakley named Outstanding Young Woman of Ann Arbor for 1970.

Two visiting faculty members joined the Center during the year; Professor Saad Gadalla on sabbatical from the American University in Cairo (Associate Director of the Social Science Research Center) for nine months and Professor Kazue Koda on sabbatical from Tokyo University (Department of Sociology) for three months.

Professor Henry J. Meyer (Sociology and Social Work) became Research Associate in Population Planning in September, 1970 to further development of joint activities between social work and population planning. By June 30 he had developed a new course, an initial research project and a new five year project to develop teaching competencies in population planning in several schools of social work in less developed countries.

Ruth S. Simmons became Research Associate in May upon completion of her Ph.D. in political science from the University of California (Berkeley) to continue her active participation in our cooperative research project with the Indian Institute of Technology, Kanpur, Uttar Pradesh.

Joginder Kumar, Ph.D. (demography) University of California (Berkeley) was in residence during the year as the Center's first post-doctoral fellow. He will be joining the staff of the International Institute for Population Studies, Chembur, Bombay, India in the Fall of 1971. Kim Sebaly worked in association with Professor Poffenberger in a similar program jointly with the School of Education.

Mr. Stuart Baggaley joined the staff as a senior administrative assistant with primary responsibility for A.I.D. overseas activities.

Two persons joined the staff as field operations specialists on off-campus assignments in Nepal under a new contract between the Center and the Agency for International Development. Gerald Young received his M.P.H. from us in December, 1969 and has been working in Nepal ever since. Richard Johnson, a public health nurse with his M.P.H. from U.C.L.A. and with considerable overseas experience

was recruited from Las Angeles County Health Department. In addition, James Fields who completed his Ph.D. in sociology at Michigan in August, 1971 was recruited as Assistant Professor of Population Planning to join the group in Nepal as advisor in evaluation and research early in 1971-72. Robert Miller was recruited later from the University of California (Berkeley) as Research Associate to be training advisor in Nepal starting in November.

Catherine S. Chilman, Ph.D. (psychology), A.M. (social work), in a joint appointment with the School of Social Work as Research Associate while serving as Curriculum Coordinator for social work and family planning project under A.I.D. contract.

Judith Harrington, Ph.D. (sociology-demography) Michigan, Lecturer in a joint appointment with the Department of Psychology to develop teaching and research in psychology and population planning.

Lois W. Hoffman, Ph.D. (social psychology) Michigan, Lecturer in a joint appointment with the Department of Psychology to develop teaching and research in psychology and population planning.

Jeanne Kuo, M.D. (communications) Michigan State, Research Associate as computer programmer and to assist Dr. Takeshita with analysis of Malaysian data.

Deborah Oakley, M.A. (political Science) Brown, M.P.H. (population planning) Michigan, Research Associate and Lecturer to develop teaching, research and service in population planning with particular emphasis on public policy and program implementation in the United States.

Shirley Poffenberger, M.A. (sociology-psychology), Research Associate, to develop further research in education, communication and motivation in population planning in less developed countries.

Rodney N. Powell, M.D., Meharry, M.P.H., University of California (Los Angeles), Research Associate, (while employed by AID in Kampala, Uganda) to facilitate mutual A.I.D.-Michigan work in Africa.

Eugene Weiss, completing Ph.D. (educational psychology) Michigan, in a joint appointment as Assistant Professor with the School of Education to develop teaching, research and service in population education.

## STUDENTS AND TEACHING

(In future years this section of our annual report will cover the academic or school year of three four month terms starting about 1 September each year. This year the section will cover the period from 1 July 1970 to 31 August 1971.)

Despite obvious difficulties of developing programs of study for an uncharted field in which world experience was just beginning to accumulate and in which jobs and careers were just beginning to be defined, the Center elected early to attempt development of programs and courses which would open potential careers to a variety of students from many backgrounds and many lands.

Two general avenues of graduate education at Michigan were opened by the Center. One made it possible for a student in any relevant field to add study of population planning to the extent that he wished and that his major program of study permitted. This was the approach taken in most schools of public health in the United States that elected in the past decade to do something about population planning. The other made it possible for a limited number of students to specialize in population planning, obtaining at the same time basic understanding of important related fields and greater competence in one. This approach also begun at about the same time at Harvard, Johns Hopkins, and Pittsburgh and later at Hawaii and Texas. In addition, in a few fields such as health education, maternal health and public health nursing, joint programs of study were initiated.

Three specialized degree programs of study in population planning were established at Michigan: Master of Public Health in August, 1966, Doctor of Public Health in August, 1967 and Master of Science in May, 1969. The specialized sequences in public health are intended to prepare students for careers in population planning within the health field, most within private and public operating agencies but some within universities and research institutes. They include basic courses in public health and statistics and in population planning (demography, reproductive biology, public policy and programs) and permit individualized specialization. The Master of Science program was designed for students who already had master's degrees in other fields who want greater specialization in population planning and for students without prior graduate preparation who are interested in academic or research careers, some of whom would enter employment directly and others of whom would seek doctoral degrees. One future avenue being considered for the latter group is an interdepartmental Ph.D. in population planning. Special non-degree programs of study have also been arranged individually as has inclusion of population planning as a major part of a Ph.D. program in a related field.

Table 1

Admissions, Registrations and Graduations of Students  
Majoring in Population Planning, 1965-71

| Univ.<br>Yr./Term | M.P.H. |      |     | M.S. |     |     | Dr. P.H. |     |     | Jt. Ph.D. |     |     | Special |        |     |
|-------------------|--------|------|-----|------|-----|-----|----------|-----|-----|-----------|-----|-----|---------|--------|-----|
|                   | Adm    | Reg  | Grd | Adm  | Reg | Grd | Adm      | Reg | Grd | Adm       | Reg | Grd | Adm     | Reg    | Grd |
| 1965-66           |        |      |     |      |     |     |          |     |     |           |     |     |         |        |     |
| I                 | 2      | 2    | 0   |      |     |     | 1        | 1   | 0   |           |     |     | (14)*   |        |     |
| II                | 1      | 3    | 1   |      |     |     | 0        | 1   | 0   |           |     |     | 1       | 1      | 0   |
| III               | 0      | 2    | 1   |      |     |     | 0        | 0   | 0   |           |     |     | 0       | 1      | 0   |
| 1966-67           |        |      |     |      |     |     |          |     |     |           |     |     |         |        |     |
| I                 | 5      | 6    | 0   |      |     |     |          |     |     |           |     |     | 1       | 1(1)   | 0   |
| II                | 1      | 7    | 1   |      |     |     |          |     |     |           |     |     | 1       | 2      | 0   |
| III               | 1      | 7    | 3   |      |     |     |          |     |     |           |     |     | 0       | 2      | 1   |
| 1967-68           |        |      |     |      |     |     |          |     |     |           |     |     |         |        |     |
| I                 | 15     | 18** | 2   |      |     |     | 1        | 2   | 0   | 0         | 0   | 0   | 1       | 2      | 0   |
| II                | 5      | 22   | 0   |      |     |     | 0        | 2   | 0   | 1         | 1   | 0   | 1       | 3      | 1   |
| III               | 1      | 23   | 11  |      |     |     | 0        | 2   | 1   | 0         | 1   | 0   | 0       | 2(23)* | 2   |
| 1968-69           |        |      |     |      |     |     |          |     |     |           |     |     |         |        |     |
| I                 | 16     | 28   | 3   | 3    | 3   | 0   | 1        | 2   | 0   | 1         | 2   | 0   | 1       | 1(1)   | 0   |
| II                | 0      | 25   | 4   | 0    | 3   | 0   | 0        | 2   | 0   | 0         | 2   | 0   | 1       | 1      | 0   |
| III               | 0      | 21   | 11  | 0    | 3   | 2   | 0        | 2   | 0   | 0         | 2   | 0   | 1       | 2      | 1   |
| 1969-70           |        |      |     |      |     |     |          |     |     |           |     |     |         |        |     |
| I                 | 15     | 25   | 5   | 1    | 2   | 1   | 2        | 4   | 0   | 0         | 2   | 0   | 4       | 5(1)   | 1   |
| II                | 0      | 19** | 3   | 0    | 1   | 0   | 0        | 4   | 0   | 0         | 2   | 0   | 0       | 4      | 1   |
| III               | 0      | 17   | 11  | 0    | 1   | 0   | 0        | 3** | 1   | 0         | 2   | 0   | 0       | 3      | 2   |
| 1970-71           |        |      |     |      |     |     |          |     |     |           |     |     |         |        |     |
| I                 | 18     | 23** | 2   | 4    | 5   | 1   | 2        | 4** | 0   | 0         | 2   | 0   | 2       | 3(1)   | 0   |
| II                | 0      | 21** | 0   | 0    | 4   | 0   | 0        | 4** | 0   | 0         | 2   | 0   | 3       | 6      | 3   |
| III               | 0      | 21** | 7   | 0    | 4   | 3   | 1        | 5** | 0   | 0         | 2   | 1   | 0       | 3      | 2   |

\* Special summer programs in 1965, 1966, 1968

\*\* A student did not register in this term

( ) Special students here for one or two terms

Table 1 summarizes admission, registrations and graduations of each of these programs since the Center opened in 1965. The figures indicate that we were successful in 1970-71 in maintaining our master's programs at the cohort size (20-25) that fits best in the basic population planning courses and in the various specialized graduate courses that some students require. At the same time because the number of qualified applicants continues to rise, we are faced with the unhappy necessity to turn away increasing numbers of good students after making increasingly more difficult decisions at the margin. We were not so successful in expanding our doctoral programs toward an optimum that would utilize our teaching and research resources and would provide the critical mass desired in the program. More active recruiting and an additional interdepartmental Ph.D. program are needed.

The names, prior degrees, home countries or states and prior positions of all students registered during 1970-71 appears as Appendix 1. A directory of names, addresses and present employment of all students who had by 31 August 1971 completed a degree or special program of study appears as Appendix 2.

Although no major changes were made in any of the teaching programs during 1970-71, thorough review and revision of the master of public health and master of science programs were begun by faculty and students on the Committee on Teaching Programs chaired by Dr. Kar. In addition to preparing students to become specialized in public health and in population planning, the new curriculum for students in four or five term M.P.H. programs or in the M.S. program will require that they specialize further in (1) administration and management, (2) education and communication or (3) evaluation or research. A brief description of population planning courses given during 1970-71 appears in Appendix 3.

Other Teaching by Center Faculty - All students seeking a master of public health degree continued to be exposed to population problems and planning through both lectures and case studies in the public health core course. In the Fall term, 1970, a case on zero population growth in the United States, first developed in 1969-70 with considerable student participation, and modified in 1970-71 by Mrs. Oakley who with direct involvement of state and local legislators and officials, was highly successful in bringing out a variety of student views about birth control and implications for life in America. Individual faculty members participated as usual in various seminars throughout the University.

Dr. Eliot was a major lecturer (in French) in the seminar on family planning of the Centre de Planning Familial du Quebec for 60 participants from Africa and the Caribbean.

Population Teaching in Other Departments and Schools - The Center continued to support development of specialized programs in population in both the Department of Economics and the Department of Geography and helped initiate a new joint program in population planning and social work.

The program in economics and population continued under the direction of Dr. George Simmons in the Economics Department with support from the Center for Population Planning, the Population Studies Center and the Center for Research in Economic Development.

The program in geography and population continued development involving faculty research, new course preparations and student participation under the leadership of Professors Gosling, Olsson and Clarkson.

Development of a new program of study in population planning and social work was initiated during 1970-71 following the half-time appointment of Professor Henry Meyer of the School of Social Work in population planning. Preliminary explorations of the mechanisms and content of a joint masters program will be facilitated by the

signing 30 June 1971 of a five year contract with A.I.D. to develop competence in teaching population planning and social work in several less developed countries.

Doctoral Dissertations - David Kleinman completed his dissertation on "Resources and Fertility Variations in Rural India" and received the Dr. P.H. in August, 1970. His analysis of district data from the 1971 census of India shows among the rural (agricultural, pre-industrial) population a wider range of fertility than expected. Fertility was shown to be related with various indices of agricultural resources consistent with the theory that one response of people living at subsistence levels in pre-industrial societies to increased pressure of population growth on agricultural land is to limit fertility (and presumably, to be more responsive to family planning programs).

Frederick Abramson completed his dissertation on "Spontaneous Fetal Death in Man," an analysis of all pregnancy termination vital records (live birth and fetal death) of New York City for 1966-68. The dissertation was to improve knowledge of the frequency of fetal death with particular reference to its implications for human genetics. He received the Ph.D. in August, 1971.

Eugene Weiss nearly completed his dissertation on "Family Size Values and Concern for Over-Population: A Population Education Survey of Post High School Age Boys in the United States" for a Ph.D. in education and psychology.

Timothy Johnson continued field research in Kuala Lumpur for a dissertation combining an evaluation model for a national or large state family planning program with its initial application in Malaysia.

Helen Koo formulated research on induced abortion in Taiwan. Barry Karlin began exploration of the use of a new population "game" in population education.

University Overseas Population Internships - These internships, funded by the Agency for International Development, were designed to provide professional experience for persons preparing for careers in population planning and in health and social sciences with direct relevance to population planning. Candidates are expected to have had preparation at masters degree level or higher in various aspects of population research, administration or education. This program was started at the beginning of the 1970-71 academic year under the direction of Dr. Eliot. An advisory committee developed guidelines for assignments and support.

The advisory committee reviewed 31 applications of which 25 were given preliminary acceptance and 6 rejected. Of the 25 accepted, 3 were cleared for assignments overseas in Malaysia, Iran, and Haiti, 11 were awaiting assignments, and 11 became inactive for various reasons at the time of this report.

The following interns were employed by 31 August 1971:

| <u>Name</u>        | <u>UM Faculty Advisor</u> | <u>Institution &amp; Place</u>  |
|--------------------|---------------------------|---|
| J. Timothy Johnson | Dr. Corsa                 | Malaysia National<br>Family Planning<br>Board<br>Kuala Lumpur, Malaysia           |
| Richard Moore      | Dr. Finkle                | Iranian Family Planning<br>Program<br>Iranian Ministry of Health<br>Teheran, Iran |

Michigan Internship - Mrs. Doris Malin (M.P.H., August, 1969) completed a highly productive year in the Center's internship (jointly with the Detroit-Wayne County Health Departments and all public family planning agencies in metropolitan Detroit) in August, 1970. She played a vital role in development of the new joint H.E.W. financed family planning project of the Planned Parenthood League of Detroit and the Detroit-Wayne County Health Departments and carried out with Professor Munson and several students a pilot family planning service manpower study covering the State of Michigan. She moved to Seattle to become one of the federal government's (Dept. H.E.W., National Center for Family Planning Services) new family planning regional consultants in September.

Student Activities - Population planning students continued their formal organization this year, electing David Allen president in September and electing Nancy Garrett, Betsy House and Pierre Pradervand as student representatives to the Center's Governing Body. They continued formal and informal meetings of various kinds, co-sponsored the Center's Tuesday evening seminar series, assisted with faculty and student recruitment and with student visitors, and participated actively on the Committee for Teaching Programs.

Fellowships - Most students at the Center received financial support from external sources, such as the Agency for International Development, the Ford Foundation, the Population Council and the World Health Organization, or from fellowships administered by the Center with funds from the Ford Foundation, the Agency for International Development and the Department of Health, Education and Welfare, or from regular School of Public Health funds.

For the third year in succession the Public Health Service, Department of Health, Education and Welfare did not honor the request of the School of Public Health for additional special purpose traineeships in population planning. As a consequence, basic support funds from The Ford Foundation had to be used again to assist worthy and needy students. Our application for a training grant in population planning was approved but unfunded despite high recommendations from the site visit team. Similar difficulties have been encountered by many population research and training institutions in the United States. By year's end it seemed apparent that the earmarked funds authorized by the Family Planning and Population Research Act of 1970 were not going to be utilized and that the universities themselves would have to take the initiative.

## FIELD PARTNERSHIPS

As one important ingredient of its teaching, research and service responsibilities the Center is a long-term partner in several population planning programs. The first and longest term relationships were established in Michigan in 1965 with the agencies responsible for family planning programs at state and local levels (primarily metropolitan Detroit and Ann Arbor). The second, was with the Government of Malaysia's National Family Planning Board, with initial Ford Foundation support, in 1966. The third was with the Government of Nepal's family planning program in 1968 with A.I.D. support. During 1970-71 cooperative research activities were developed with the Indian Institute of Technology, Kanpur.

Michigan - Following adoption of policy statements on family planning by the State and Detroit City Health Departments in late 1964, government-supported services have been initiated and are being expanded in Detroit and a number of Michigan counties. Drs. Eliot Peng and Ten Have have provided valuable consultant and staff services. A population planning internship administered jointly by the Center and the Detroit and Wayne County Health Departments was initiated in September, 1968. In cooperation with the University's Department of Obstetrics and Gynecology, and the Wayne County General Hospital and Health Department, the Center has been studying since 1965 in Wayne County outside Detroit how public hospital obstetric and related public health department services can be utilized to enable medically indigent families to achieve the number and spacing of children that they want.

During 1970-71 Center staff were engaged in (1) completion of coding of Wayne County 24-month follow-up interviews. (2) implementation of a new DHEW-financed project in Detroit and Wayne County, (3) development of a statewide program service reporting system, compatible with a proposed national system, (4) assistance to federal, state and local governments in development of data and plans to meet needs for tax-supported family planning services in Southeastern Michigan, (5) participation in the State Health Department's new Task Force on Family Planning and (6) consultation to the Governor's Council on Environmental Quality Committee on Population in their effort toward development of a state population policy for Michigan.

Malaysia - In cooperation with the Government of Malaysia and the Ford Foundation, the Center has provided technical assistance and training for the new National Family Planning Board since 1965. Dr. Ten Have was in residence in Kuala Lumpur for two years from August, 1966 on an off-campus assignment as Senior Advisor to the Board and was followed by Dr. Peng from September, 1968 to June, 1970. A West Malaysian Family Survey was conducted during 1966-67 with Dr. James Palmore of the Population Studies Center as principal advisor. Dr. Lyle Saunders of The Ford Foundation was a resident advisor during 1967-68.

Family planning services by Board and Government clinics, by Family Planning Associations, and by private physicians were initiated May 1, 1971. During 1967-70 efforts were concentrated on expanding

services within and beyond metropolitan areas, on recruiting and training additional staff and on developing information and evaluation activities. A national follow-up sample survey of contraceptive acceptors in the first phase of the program was conducted during 1968-69 with Dr. John Takeshita as principal advisor. Staff of the National Family Planning Board participate in Ann Arbor as faculty and graduate students and selected graduate students of the Center participate in field training and research in Malaysia.

During 1970-71 Dr. Peng was in Malaysia as short term advisor on integration of rural health and family planning services during February and March, Mr. J. Timothy Johnson was in residence October through June as our first University Overseas Population Intern and Dr. Corsa visited Kuala Lumpur in November. In Ann Arbor a Malaysian study group was active throughout the year. Dr. Takeshita, Miss Joyce Callender and Miss Lois Verbrugge continued analysis of the acceptor survey. Dr. Corsa, Dr. Peng, Dr. David Allen, Mr. Howard Bond and Mr. Leo Morris continued to analyze Malaysian program data for purposes of program evaluation. Dr. Ness and Mr. Hiro Ando proceeded with analysis of their data on how the program was initiated and on how the program's field workers interact with potential adopters. Dr. Peng also moved forward with development of a project to study the utilization of traditional midwives (kampong bidans) in the rural program. Mr. Wai Sin Hew of the staff of the National Family Planning Board was a student at the Center during the year. Mrs. Kuan Siew Chong of the CFPB staff's evaluation division was at the Center for two weeks in June.

Nepal - The Center agreed during 1968 to assist the Royal Nepalese Government and the United States Agency for International Development with development and evaluation of the national family planning program of Nepal. Dr. Ten Have was in residence in Kathmandu from September, 1968 to June, 1970 as senior advisor in family planning. At the request of AID/Nepal the Center agreed to expand support of the program after June, 1970, but negotiations involving AID/Washington were prolonged into November.

At that point, the agreement ready to be signed, became news as the first contract ever withheld by the U.S. Government on the basis of sex discrimination under the Civil Rights Act. The first targets for the feminists were U.S. universities and the first to be officially charged was Michigan in October, 1970. The University was found in violation by the Department of Health, Education and Welfare whose primary power to obtain compliance is withholding new U.S. Government contracts of which our AID/Nepal contract was then first in queue! As a result, it was not finally signed until 18 February 1971 by which time all original faculty plans had had to be abandoned.

Nevertheless by 30 June two of the initial four long-term overseas staff were employed and in Nepal, a third had been recruited and plans were well along for completing a "diagnostic mission" with Professor Thomas Poffenberger as Chief of Party (see Staff, page 5).

India: Indian Institute of Technology, Kanpur - In cooperation with colleagues at the Indian Institute of Technology, Kanpur the Center initiated during 1970-71 an intensive field research program dealing with the impact of the national family planning program on a single region of India (see Research, page 15).

## RESEARCH

Current research activities of the Center reflect a mixture of interests of individual faculty members and of the problems and opportunities presented to groups of faculty participating in the Center's field partnerships. Each project deals with some aspect of new knowledge about organized efforts to achieve optimal balance between human reproduction and quality of life. Along specific projects underway during 1970-71 were:

Wayne County (Michigan) Public Family Planning Evaluation - Since 1965 Center staff, under the direction first of Dr. Ten Have, later Dr. Peng and currently Dr. Corsa, have assisted the Detroit-Wayne County Health Departments, the Detroit Planned Parenthood League and related agencies with development and evaluation of public family planning services in metropolitan Detroit. One important aspect has been a study in Wayne County outside Detroit to determine how effectively public hospital maternity services and public health department services can enable medically indigent families in a large urban-suburban population to achieve desired numbers and spacing of children. The program is being evaluated by following cohorts of women terminating pregnancy in the Wayne County General Hospital between July 1, 1966 and June 30, 1968 (1) through family planning clinic records of hospital and health department and (2) by a continuing household survey (initially under Dr. Takeshita's direction).

During 1970-71 coding, punching and computer taping of the second and final series of household interview follow-ups of the 1966-68 cohorts were completed. Further analysis of the 12 months' follow-up data continued and analysis of the 24 months' data was begun.

The findings document a remarkably high response in family planning acceptance and continuation rates by these medically indigent families to a modest program incorporating family planning services as part of public hospital and health department services where none had been included before. Births prevented and various benefit cost ratios will be calculated in the final report in 1971-72.

Malaysian Family Planning Acceptor Survey - In 1969 a sample of 2,600 acceptors of family planning in the first year of Malaysia's national program was followed up by a team of specially trained interviewers under the auspices of the National Family Planning Board with the support of the Department of Statistics, Government of Malaysia and with technical assistance from Dr. Takeshita. The purpose of the follow-up survey was to find out how the acceptors were faring with their contraceptive efforts, to identify any problems they might be having, and to find ways to deal with them.

The interviews were coded, keypunched and taped in Kuala Lumpur and a tape copy is being analyzed on the University's IBM 360/67 high-speed computer. Analysis and preparation of a formal report continued during 1970-71 with financial support from the National Institutes of Health.

Analysis of Family Planning in India - In partnership with four social scientists (K. K. Singh, Joginder Kumar, Ashraf Ali and B. D. Misra) at the Indian Institute of Technology at Kanpur, India, several faculty (Finkle, Kar, Munson, G. Simmons, R. Simmons) in the Center for Population Planning initiated an intensive field research program dealing with the impact of the national family planning program on a single region of India. Although the research is broad in scope, reflecting the interdisciplinary composition of the research team, the central focus of the investigation will be on the official government program: How does it utilize new information? How does it incorporate new technologies into its activities? To what extent is the level of performance of the program susceptible to improvement through organizational and administrative modification? These and similar questions will be examined over time. Exchange of faculty from each institution is expected to enhance the quality of the cooperative relationship throughout the duration of the research program.

Drs. Ashraf, Kumar, Misra and Singh each spent about one month in Ann Arbor in summer, 1970 and Drs. Misra returned for a shorter period in winter. Dr. Munson spent two months in fall and Dr. Kar two months in spring in residence in Kanpur. Research design and methodology, financing and political clearance occupied the year. July found Drs. George and Ruth Simmons in residence in Kanpur ready to join their colleagues in field work.

Political Implications of Demographic Change - Dr. Finkle completed the basic research for a monograph or book dealing with the political and social implications of population change and plans to finish the writing by July, 1972.

Attitudes Toward Induced Abortion in New Delhi - Dr. Kar completed analysis of data from interviews with 300 women in New Delhi regarding their opinions about induced abortion as one means of birth control. This study is intended to lead to a cross-cultural investigation of the motivational correlates of family planning with special reference to induced abortion and sterilization as family planning methods.

Fertility and Family Planning in an Indian Village - Since 1962 a study of fertility behavior of villages near Baroda, India, has been undertaken under the direction of Dr. Poffenberger. A census was taken of all families in a suburban village and fertility histories taken on all ever-married women. There were 332 households and a total population of 1698 people. For a longitudinal depth study, a twenty percent sample of families was selected, representing the four major caste and community groups. Intensive

interview and observation studies were conducted on these families over a four-year period by a staff of four men and two women. Follow-up studies have continued since 1965. In addition, material was gathered on the economic, political, social and educational institutions of the village and the surrounding political unit. The government family planning programs, as it reached the village, has also been studied from 1966.

During 1970-71 Dr. and Mrs. Poffenberger have continued with analyses of these data and preparing final reports of the studies (see Publications). A grant for further analyses was approved but not funded by the National Institutes of Health.

Population Education in U.S. - A population education survey of post high school boys in the United States is being carried out by Dr. Poffenberger in cooperation with the Survey Research Center of the University of Michigan. The Survey Research Center has been conducting a national probability sample survey of American boys to determine the extent of differences in knowledge, attitudes and behavior related to different environmental backgrounds. The boys were first surveyed in the 10th grade. The same boys were surveyed again when the majority were in the 11th grade and again when they were in the 12th grade. A fourth survey was conducted one year after high school graduation. On the last survey, a series of interview questions as well as test and questionnaire items regarding population education were included. These items will provide normative data for those planning population education courses as well as indicate demographic, social and psychological variables associated with attitudes regarding family size norms and related issues. During 1970-71 an initial report was prepared (see Publications) and further analyses were done.

Population Education in India - Dr. Poffenberger has been conducting research in an Indian village school in cooperation with the School of Education of the University of Michigan and the University of Baroda, India. The initial project resulted in a detailed interview study of all students in the final class of a village high school in terms of knowledge, attitudes and behavior regarding fertility variables. The findings of this preliminary survey were used for planning a long range population education program with the University of Baroda (see Publications). A visit to India by Dr. Poffenberger resulted in a five year research and action proposal which was funded by the Ford Foundation, but is not yet approved by the Government of India.

The Economic Impact of India's Family Planning Program - Dr. Simmons completed further analyses of his earlier data on the economic effects of family planning in India and prepared a special publication of his findings with partial financial support from the Population Council (see Publications).

Medical Correlates of Intrauterine Device Use in Taiwan - This study is to follow the work accomplished previously (see Publications - J. Y. Peng) to examine the relationship between termination rates and medical factors after the insertion of the IUD from Taiwan family planning data. The relationship between the time of occurrence and severity of medical factors and termination rates, possible

influence of treatment of medical symptoms upon the termination rates, and other factors which may be related to termination will be examined. The computer analysis is under way and it is expected that the research will be funded by the AID Programmatic Service Grant. The collaborator is Dr. L. P. Chow, Associate Professor of the School of Hygiene and Public Health, Johns Hopkins University. The Michigan Population Studies Center has been assisting the computer analysis.

Multilateral Agencies in Population Assistance - Dr. Finkle is engaged in a long term study of the response of the United Nations system to the population problem. Major components of the system are the United Nations Fund for Population Activities within the U. N. Development Program, the U. N. Population Division within the Secretariat, the World Bank, WHO, UNESCO, ILO, and FAO. During 1970-71 he concentrated mainly on the World Bank and the UN organizations which are located in the U.S., and in 1972-73 he intends to do field research on the Specialized Agencies with particular reference to family planning programs in developing countries.

As an increasing proportion of assistance for population and family planning programs is being channeled through multilateral agencies, significant issues are being raised regarding the capacity of these agencies to expand their activities and assume increased responsibilities for planning, financing, and implementing projects effectively. Dr. Finkle will examine these issues in relation to the political and administrative structures of the various organizations rendering assistance, division of labor among them, mechanisms for coordination, interests of donor and recipient countries, and proposed new approaches at the multilateral level.

Motivational Determinants of Family Planning - The objectives of this study by Dr. Kar and colleagues in Chile and India are to explore: (1) the motivational correlates of early, late and non-acceptance of family planning among populations of LDCs (India and Chile) to investigate why, under comparable socio-economic conditions and accessibility of contraceptives, some accept family planning early, some late, and others to not accept; (2) whether the nature and intensity of communication activities undertaken by change agents are related with the rates of acceptance of contraception, and (3) the nature and characteristics of effective and ineffective persuasive communication for motivating ambivalent and unmotivated populations. The relationship between these variables and family planning will be studied within each culture to test the influence of urbanization and organizational inputs. These relationships will be studied between two cultures to test cross-cultural validity of the hypotheses.

Areas (PHC's and clinics) with high, moderate, and low family planning acceptance rates will be selected for study. Secondary data will be analyzed to test the relationship between acceptance levels and (a) organizational inputs, and contraceptive services, and (b) communication inputs. Rural and urban samples

from areas with various levels of acceptance will be interviewed (Sample approximately 3000) to test the hypotheses and to explore motivational correlates of early, late, and non-acceptance, as well as to measure the impact of various forms of communication inputs. Change agents and outreach workers (Sample about 300) from rural and urban areas will be interviewed and communication activities will be observed to explore the relationship between the nature of communication inputs and contraception. Finally persuasive communication strategy effective for motivating non-users will be intensively studied and described.

Evaluation of Malaysia's Family Planning Program - This series of inter-related projects in which Drs. Ariffin, Corsa, Peng and Takeshita are co-investigators is part of continued collaboration between the National Family Planning Board of the Government of Malaysia and the Center for Population Planning of the University of Michigan in evaluation of the national family planning program of Malaysia. It utilizes the unusually complete sets of birth, service and survey data of the Malaysian program and the unusual cross-matching opportunities made possible by application of universal identification card numbers in all sets of data.

The general objective of this project is to continue development of plans and procedures for evaluation of the Malaysian family planning program for administrative use in Malaysia and elsewhere, to train personnel to carry out and develop further these plans and procedures in Malaysia, and to make those procedures which prove most useful available to programs worldwide.

The following specific studies were active during 1970-71:

- (1) Annual numbers, rates and detailed characteristics at acceptance of all program acceptors.
- (2) Continuation rates for NFPB clinic users of oral contraceptives from missed appointment records.
- (3) Post-acceptance natality rates for all acceptors from birth records.
- (4) Comparison of continuation rates of oral contraceptive users by (a) sample follow-up home interview and (b) program missed appointment record.
- (5) Program acceptor rates of 1966 national family survey (by cross-matching with acceptor records) to compare survey responses on desire for family planning with other characteristics and program accessibility to identify determinants of program acceptance.

- (6) Program acceptor rates of women who delivered in maternity hospitals with and without active postpartum patient contact (by cross-matching birth records with program acceptor records).
- (7) Program acceptor rates of women who used Family Planning Association services prior to onset of national program (by cross-matching pre-1967 FPA records with program acceptor records).

Utilization of Village Midwives in Family Planning in Malaysia - This action study by Drs. Ariffin, Noordin, Hardee and Peng to be implemented in Malaysia will utilize traditional village midwives (kampong bidans) for promotion of recruiting family planning acceptors and re-supply of oral contraceptives in rural areas as part of the Integrated Rural MCH/Family Planning Program.

There are more than 1,000 kampong bidans in rural Malaysia attending about half of home deliveries of the country. They are still influential in rural communities of Malaysia. The long-term aim is to change the role being played by the kampong bidans from that of attending deliveries in a traditional way to including family planning services and to referring mothers to health centers for special services.

The Malaysian Family Planning Program has made great use from the outset of oral pills distributed by para-medical people. To expand services into rural areas, an integrated rural MCH/family planning program was designed jointly by the Ministry of Health and the National Family Planning Board. Some 360 bidans have been trained for this purpose. Fifty bidans will be included in the first year's study, 100 for the second year and 200 for the third year. Selected kampong bidans will be assigned under the supervision of the nurse at the health center. Bidans will be instructed to have a close tie with the health center in referring ante-natal mothers for examination, and for aseptic deliveries and bringing post-natal mothers for family planning initial screening and acceptance. After the initial supply of oral pills, the mother will be assigned to bidans for re-supply of oral pills under her supervision. A special form is designed for recording by bidans, and regular contacts with the health center staff will be scheduled.

Demographic and Economic Relationships in Baroda - During 1969-70, Professors Poffenberger and Simmons initiated a project exploring the relationships between economic and demographic behavior in Baroda. Professor Poffenberger's previous work in the region had indicated that many families were particularly sensitive to the economic consequences of family size, and a project was designed to explore the relationships more fully. The proposed work was experimental in that both the methodology of data collection and the kinds of questions we were attempting to ask of our respondents had not been previously attempted. As a result, the sample size was deliberately restricted so as to maximize the quality of the resulting data. The field research has been carried out with the

kind of assistance of the Demographic Research Center in Baroda. The field work is complete and will be analyzed during 1971-72. Several kinds of hypotheses will be tested with the data. First, what are the economic consequences of different family size in the Baroda region? Does a large number of children act as an obstacle to advancement for the family? Are savings rates or land use within the family affected by family size? Second, how is demographic behavior affected by economic conditions? Are birth rates higher or lower in poor families? What is the influence of the family's mortality experience? Is the use of contraception related to economic status?

Planning for Family Planning Services in Southeast Michigan - At the request of the State Health Department and the National Center for Family Planning Services (DHEW) the Center undertook a special contract to:

- (1) Prepare and publish data for program planning and evaluation purposes on the needs and resources for public family planning services in Michigan's seven southeastern counties comprising the metropolitan areas of Detroit and Ann Arbor.
- (2) Provide technical assistance to those counties ready to utilize it to plan and develop further services to meet local needs. Drs. Corsa and Munson, Mr. Richard Monteith, Mrs. Eleanor O'Brien and Mrs. Neva Wallace were principal participants. In addition to regional planning data the project should result in specific program proposals from Wayne and Washtenaw counties by late 1971.

Effect of Public Family Planning on U.S. Population Growth Rate - At the request of HEW's Deputy Assistant Secretary for Population Affairs Louis Hellman, Dr. Corsa and Mrs. Oakley prepared an analysis of the probable effects of U.S. public family planning programs on natality, mortality and population growth rates of the United States (see Publications).

Population Policy for Michigan - At the request of the Governor's Environmental Quality Council's Committee on Population, Mrs. Oakley and Dr. Corsa prepared a preliminary report on "Population Policy for the State of Michigan" which was utilized in the Council's recommendations to Governor Milliken that zero population growth be the State's goal (see Publications).

Social Worker Involvement in Family Planning - Exploratory phase of a study of perceptions of responsibilities and involvements of social workers in family planning was undertaken by Dr. Henry J. Meyer and Mrs. Judith Stone through field interviewing of directors and staff of social agencies (social service department, juvenile court, family agencies, mental hospitals, etc.) in Washtenaw County. Findings suggest agencies and social workers generally place low priority on and see limited functional relationship between their work and their clients' accessibility to family planning information and services.

A questionnaire to obtain more extensive and systematic information from a sample of social workers in Southeastern Michigan was developed and pre-tested in Jackson County. Survey is planned for fall of 1971.

Knowledge and Practices of Auxiliary Midwives in Togo

Dr. Eliot analyzed and prepared for publication results of questionnaires completed by auxiliary midwives in Togo as part of an inservice education program, including introduction of family planning.

Michigan Abortion Facilities and Plans for Their Development - Dr. Eliot and Mrs. Hunter carried out a mail survey of abortion facilities in Michigan.

Requests for Abortion and Attitudes of Black Physicians in Michigan - Data for the survey were analyzed and prepared for publication by Dr. Eliot and Miss Era Hill.

## REFERENCE COLLECTION

The Center's Reference Collection, under the direction of Mrs. Jeannette Goldberg, increased in both size and service to its patrons. The Center at year's end held 1431 titles, subscribed to 52 journals, received 48 newsletters, and added 874 articles and papers during the year. The Center continued its cooperation with similar population planning libraries around the world by exchanging monthly acquisition lists and participating in the Fourth National Conference on Population Library and Information Services at North Carolina. Work also began on establishing and participating in an international clearinghouse or information exchange for population planning literature, especially with the less developed countries of the world. Mrs. Goldberg left the Center in January for Mexico on a leave of absence. Mr. Dan Joldersma filled in for Mrs. Goldberg on a part-time basis from January through April and on a full-time basis beginning in May.

## FINANCIAL SUPPORT

Basic developmental support for the Center continues from the Ford Foundation and the U.S. Agency for International Development. Special purpose traineeships in population planning were continued by the Public Health Service but not increased as requested to meet student potential. The Ford Foundation terminated grant support of Malaysia's national family planning program through the University of Michigan. The Agency for International Development continued (with a lapse of eight months) to contract with the Center to assist the Government of Nepal with development and evaluation of its family planning program. In the fifth consecutive year of serious financial austerity in state support, the University again demonstrated its commitment by increasing basic financing from its general funds. Failure of the Public Health Service to finance an approved NIH training grant and to continue previously funded special purpose public health traineeships reflected the Administration's views that training support be curtailed but ran contrary to Administration and Congressional clearly stated priorities for population training and raised serious problems for continuation of our teaching programs. To end on a brighter note, the Agency for International Development moved our December 1969 ideas for funding certain activities of mutual interest to creation of a new University Service Grant, the first stage of which was signed 30 June 1971 for \$1,089,428. A summary of the major types of annual expenditures and major sources of funds during 1965-71 appears as Appendix 5.

## CONSULTATION AND ORGANIZATIONS

### \* Agency for International Development

Washington: Dr. Corsa was a member of the Advisory Committee to State and AID on International Population Matters which met with Administrator Hannah on January 22, 1971.

### American Friends Service Committee

Dr. Eliot continued as a member of the Advisory Committee on Family Planning.

### American Public Health Association

Dr. Corsa was appointed first Chairman of the new Council on Population during 1970-71. Mrs. Oakley was appointed a member of the Task Force on Population Policy.

### \* American Society for Public Administration

Dr. Finkle served on the Executive Committee of the Comparative Administration Group.

### \* Centre de Planning Familial de Quebec

Dr. Eliot served as consultant to the Centre.

### Center for Continuing Education for Women

Mrs. Oakley served as speaker and resource on women returning to study and work after having a family.

### \* Governmental Affairs Institute

Dr. Finkle continued to serve as a member of the Advisory Panel on Population.

### \* Malaysia National Family Planning Board

Dr. Peng was a short term consultant for the Integrated Malaysia Rural MCH/Family Planning Program.

### Michigan Council for Study of Abortion

Dr. Eliot served as Chairman, Committee on Research.

### Michigan Population Council

Mrs. Oakley was named a member of the Advisory Committee.

National Council on Family Relations

Dr. Poffenberger was a member of the Task Force on Population.

National Institute of Child Health and Human Development

Dr. Takeshita served as a consultant to review a major grant application.

Pan American Health Organization

Dr. Kar

Planned Parenthood - World Population

Dr. Corsa continued as a member of the Advisory Committee to the Center for Family Planning Program Development.

"Population Club"

Since 1965 the directors of U.S. university population units primarily affiliated with Schools of Public Health (now Columbia, Harvard, Hawaii, Hopkins, Michigan, North Carolina, Pittsburgh, Texas and Tulane) have met periodically to exchange information and to plan joint activities.

Two meetings were held during 1970-71, on October 26 in Houston and on January 26-28 in Ann Arbor. The group began development of a report on essential and elective elements of an "applied" population center in a university as a step to development of a plan for achieving adequate coverage of the entire field by American universities.

Population Institute (Washington, D.C.)

Mrs. Oakley served as advisor to this new group.

Washtenaw County League for Planned Parenthood

Mrs. Oakley was elected a member of the Board of Directors and appointed Chairman of a new Agency Planning Committee. Dr. Corsa was appointed Chairman of the Long Range Planning Committee. Dr. Eliot continued as secretary of the Medical Advisory Committee.

White House Conference on Children

Dr. Corsa was Chairman and Mrs. Oakley consultant of Forum 16 - Family Planning and Family Economics of the 1970 decennial White House Conference on Children.

Zero Population Growth

Mrs. Oakley was active in local, state and national (Washington, D.C. office) affairs.

## CONFERENCES

Among the principal conferences in which Center staff participated during 1970-71 were:

- \* Conference on Population and Social Science Research in South Asia, Ann Arbor, Michigan, August 4 and 5, 1970. (Drs. Finkle and Simmons)
- \* Second Regional Conference of the Western Pacific Region, International Planned Parenthood Federation, Session on Urbanization in Asia, Tokyo, Japan, October 14-16, 1970. (Dr. Takeshita)
- \* Conference on Politics and Population, The Population Council, New York, New York, October 29-30, 1970. (Dr. Finkle)
- \* Conference on Social Work Education and Population-Family Planning, sponsored by University of North Carolina (School of Social Work and Population Center) and Council on Social Work Education, Durham, N.C., November 18-21, 1970. (Dr. Meyer)
- White House Conference on Children, Washington, D.C., December 14-18, 1970. (Dr. Corsa and Mrs. Oakley)
- \* Conference on Student Knowledge of and Attitudes Toward Population Matters, The Population Council, New York, New York, December, 1970. (Dr. Poffenberger)
- \* National Conference on Comparative Administration, Syracuse, New York, April 2-3, 1971. (Dr. Finkle)
- Conference on Abortion Techniques and Services, New York, New York, June 2-5, 1971. (Dr. Eliot and Mrs. Hunter)
- \* Conference on Nepal, Ann Arbor, Michigan, April 3-4, 1971. (Drs. Corsa, Poffenberger, Ten Have and Mr. Johnson and Mr. Young)
- \* Workshop on Asian and American Affairs Studies, Los Angeles, California, April 16-18, 1971. (Dr. Takeshita)
- \* Annual Meeting of the American Society for Public Administration, Denver, Colorado, April 18-21, 1971. (Dr. Finkle)
- Conference on Planning for Abortion Facilities in Michigan, April 23-24, 1971. (Dr. Eliot, Mrs. Hunter and Mrs. Wallace)

\* Fourth National Workshop in Population Library and Information Services, Chapel Hill, North Carolina, May 6-7, 1971. (Mr. Joldersma)

Planned Parenthood Federation of America Midwest Regional Meeting, May 6-8, 1971. (Dr. Eliot)

\* Conference on Population Education, Chapel Hill, North Carolina, May, 10-12, 1971. (Dr. Poffenberger)

\* American Library Association Conference, Dallas, Texas, June 18-20, 1971. (Mr. Joldersma)

## PUBLICATIONS AND PRESENTATIONS

### Corsa, Leslie, Jr.

"Health, Population and Schools of Public Health," paper prepared for Conference on Health and Population, Santiago, Chile, November, 1970.

"Inputs for Michigan's Plan for Public Family Planning Services" (with ten HD 750 students), Center for Population Planning, February, 1971.

"Report of Forum 16 - Family Planning and Family Economics" (with D. Oakley and Forum members) in Report to the President, White House Conference on Children, Government Printing Office, Washington, D.C., 1971, pp. 259-270.

"Evaluating Publicly Supported Family Planning Services in Metropolitan Detroit" (with J. Y. Peng, J. Y. Takeshita and G. Kleinman, in Family Planning Perspectives, Vol. 3, No. 2, April, 1971, pp. 25-28.

"Consequences of Population Growth for Health Services in Less Developed Countries - An Initial Appraisal" (with D. Oakley), in Rapid Population Growth - Consequences and Policy Implications, Baltimore, Johns Hopkins Press, Chapter 10, 1971, pp. 368-402.

"Public Family Planning and the Population Growth Rate" (with D. Oakley), paper prepared for Deputy Assistant Secretary for Population Affairs, Department of Health, Education and Welfare, June, 1971.

(See also Deborah Oakley and J. Y. Peng)

### Eliot, Johan W.

"Attitudes Toward Michigan's Abortion Law and Experience of Michigan Physicians with Requests for Abortion" (with B. Serena, P. Sullivan, J. Stack and R. Smith), in Michigan Medicine, 70:309, 1971.

### Finkle, Jason L.

"Modernization: The Dynamics of Growth" in Journal of Asian and African Studies (Myron Weiner, Ed.), New York Basic Books, Vol. 5, No. 4, October, 1970.

Finkle, Jason L. continued

"Politics, Bureaucracy and Population Planning: A Comparative Analysis of India and Pakistan," paper presented at the University of North Carolina, Conference on Population in Political Science, December 10-11, 1970.

"Political - Bureaucratic Culture and Family Planning Problems in India and Pakistan," paper presented at the National Conference of Comparative Administration Group, Syracuse, New York, April 1-4, 1971.

"The Demographic Basis of Politics," paper presented at Political Science Colloquium, Michigan State University, East Lansing, Michigan, April 26, 1971.

Political Development and Social Change (edited with R. W. Gable), John Wiley and Sons, Inc., Revised Edition, May, 1971.

Kar, Snehendu B.

"Communication Research in Health and Family Planning Programmes in India" in International Journal of Health Education, XIII, Vol. 3, 1970, pp. 94-102.

"Individual Aspirations as Related to Early and Late Acceptance of Contraception" in Journal of Social Psychology, 83, 1971, pp. 235-245.

"Implications of Diffusion Research for Health Education" a Background paper for Conference on Innovation in Health Education, Sponsored by PAHO/WHO, May, 1971.

"Opinion Towards Induced Abortion as a Family Limitation Method," (Submitted for Publication), 1971.

Oakley, Deborah

Testimony before the Michigan State Senate Special Committee to Study the Impact and Trends of Population Growth in the State of Michigan, October 15, 1970.

"Is the Older Age Distribution of a Stationary Population Necessarily a 'Non-Negligible Cost'?" Concerned Demography, Vol. 2, No. 2, December, 1970.

Testimony for Public Hearing of the National Commission on Population Growth and the American Future, Washington, D.C., December, 1970.

Oakley, Deborah continued

"Population Policy for the State of Michigan - A Report to the Population Subcommittee, Governor's Council on Environmental Quality (with L. Corsa), June, 1971.

(See also Leslie Corsa, Jr.)

Peng, J. Y.

"Malaysia" (with A. Marzuki), Country Profiles, The Population Council, July, 1970.

"Medical Correlates of Termination of Use of Intrauterine Contraceptive Devices in Taichung" (with L. P. Chow and L. Corsa), International Journal of Fertility, 15:120, 1970.

(See also Leslie Corsa, Jr.)

Poffenberger, Thomas

"Background and Frequency Distributions of Responses to a Population Education Survey of Post High School Age Boys in the United States" (with G. Bachman and E. Weiss), paper presented at the Conference on Student Knowledge of and Attitudes Toward Population Matters, Population Council, New York, December, 1970. Center for Population Planning and the Institute for Social Research, Mimeographed, 1970.

"Population Awareness Among Secondary Students in an Indian Village" (with C. Eggertsen, K. Sebaly and R. Bennett), School of Education and Center for Population Planning, Monograph, Mimeographed, 1970.

"Social Change and Perception of Change in Child Rearing Practices in a Suburban Indian Village" (with S. B. Poffenberger and others), Baroda, India: M.S. University of Baroda Press, 1970.

"The Marital and Sexual Adjustment of 330 Couples Who Chose Vasectomy as a Form of Birth Control" (with J. T. Landis), Journal of Marriage and the Family, 27, 1965, pp. 57-58. (Republished in Studies in Human Sexual Behavior: The American Scene (A. Shiloh, Ed.)), Springfield, Ill., Charles C. Thomas, 1970, pp. 320-323.

"Family Planning Program of Korea" (with C. B. Park, M. H. Merrill, R. K. Lee, E. Clark, Y. S. Matsumota and R. R. Sachs), Report of the American Public Health Association Survey Team for AID/Korea, September, 1970.

Poffenberger, Thomas continued

"Reaction to World News Events and the Influence of Mass Media in an Indian Village" (with S. B. Poffenberger), Michigan Papers on South and Southeast Asia, No. 1, 1971.

"The Social Psychology of Fertility in a Village in India" (with S. B. Poffenberger), Psychological Aspects of Population Control (J. T. Fawcett, Ed.), Population Council, New York, In Press.

"An Experimental Population Education Program in Rural India" Accepted for Publication in Studies in Family Planning.

Simmons, George B.

"Size and Sex Composition of Population in India: 1901 - 1961, Journal of Asian Studies (P. B. Desai, Ed.), Vol. 29, No. 4, August, 1970.

Takeshita, John Y.

(See Leslie Corsa, Jr.)

APPENDIX 1

STUDENTS MAJORING IN POPULATION PLANNING ACADEMIC YEAR 1970-71

| <u>Name and Prior Highest Degree</u>                              | <u>Home City and Prior Employment</u>  | <u>Fellow-ship Support*</u> | <u>Date Entered</u> | <u>Program of Study (Date if completed during year)</u> |
|---|--|-----------------------------|---------------------|---|
| I. DOCTORAL PROGRAM   |  |                             |                     |   |
| Fredric Abramson<br>M.S.<br>University of Rochester               | Philadelphia, Pa.<br>Center for Population Planning                                      | CPP                         | Sept. 1967          | Aug. 1971<br>Ph.D.                                      |
| Helen Koo Bilsborrow<br>M.P.H.<br>University of Michigan          | New York, N.Y.<br>Lecturer, Univ. of Nigeria, Nsukka, Nigeria                            | CPP                         | Aug. 1969           | Dr.P.H.   |
| Carolyn Houser<br>M.P.H.<br>University of Michigan                | Ann Arbor, Mich.<br>Center for Population Planning                                       | CPP                         | Aug. 1970           | Dr.P.H.   |
| Timothy Johnson<br>M.S.<br>University of Pittsburgh               | Ann Arbor, Mich.<br>Pakistan Training Associate, Ford Foundation                         | CPP                         | Aug. 1968           | Dr.P.H.   |
| Barry Karlin<br>M.P.H.<br>University of California                | New York, N.Y.<br>Population Council Advisor, Karachi, Pakistan                          | CPP                         | Aug. 1969           | Dr.P.H.   |
| Leo Morris<br>M.P.H.<br>University of Michigan                    | Atlanta, Ga.<br>Statistician, Epidemiology Program, National Communicable Disease Center | CDC                         | Aug. 1970           | Dr.P.H.   |
| Deborah Oakley<br>M.P.H.<br>University of Michigan                | Ann Arbor, Mich.<br>Research Assistant, Center for Population Planning                   | CPP                         | July, 1970          | Dr.P.H.   |
| Pierre Pradervand<br>Licence en Sociologie<br>University of Paris | Geneva, Switzerland<br>Association Algerienne pour le Recherche Demographique            | PC                          | Aug. 1969           | Doctoral (U. Paris)                                     |
| Eugene Weiss<br>M.P.H.<br>University of California, Berkeley      | Los Angeles, Calif.<br>Catholic Archdiocese Head Start, Chicago                          | AID                         | Aug. 1968           | Ph.D.   |

APPENDIX 1  
(continued)

| <u>Name and Prior Highest Degree</u>                           | <u>Home City and Prior Employment</u>  | <u>Fellowship Support*</u> | <u>Date Entered</u> | <u>Program of Study (Date if completed during year)</u> |
|--|--|----------------------------|---------------------|---|
| II. MASTERS PROGRAM  |  |                            |                     |   |
| David Allen<br>M.D.<br>Case Western Reserve                    | Nashville, Tenn.<br>Director, Maternal Health and Family Planning, Tennessee Department of Public Health | Tenn.                      | Aug. 1970           | Aug. 1971<br>M.P.H.                                     |
| Surinderjit Bakhshi<br>M.D.<br>University of East Africa       | Zambia, Africa<br>Medical Officer, Maternal and Child Health Department                                  | PC                         | Aug. 1970           | Aug. 1971<br>M.P.H.                                     |
| Thomas Bell<br>B.A.<br>Johnson C. Smith University             | Saginaw, Mich.<br>Executive Director, Saginaw County Community Action Committee                          | PHS                        | Aug. 1970           | M.P.H.  |
| N. K. Bhatnagar<br>M.A.<br>University of Delhi                 | New Delhi, India<br>Statistical Officer, Department of Family Planning, New Delhi                        | FF                         | Aug. 1970           | Aug. 1971<br>M.S.                                       |
| Joseph Chamie<br>B.S.<br>University of Michigan                | Dearborn, Mich.<br>Peace Corps, Bihar, India   | CPP                        | Aug. 1970           | Aug. 1971<br>M.S.                                       |
| Cynthia Dean<br>B.A.<br>Case Western Reserve University        | Flint, Mich.<br>Flint Community Planned Parenthood   | PHS                        | Aug. 1970           | M.P.H.  |
| Paul Durkee<br>M.D.<br>Marquette University                    | Ann Arbor, Mich.<br>Health Service, University of Michigan   |                            | Aug. 1969           | M.P.H.  |
| Nancy Garrett<br>B.S.<br>Teachers College, Columbia University | Vancouver, B.C.<br>Canadian University Service Overseas<br>New Delhi, India                              | CPP                        | Aug. 1970           | Aug. 1971<br>M.P.H.                                     |
| Ramon Gonzales<br>M.D.<br>Universidad Central De Venezuela     | Caracas, Venezuela<br>Medical Director, Venezuelan Family Planning Association                           | PC                         | Aug. 1970           | Aug. 1971<br>M.P.H.                                     |

APPENDIX 1  
(continued)

| <u>Name and Prior<br/>Highest Degree</u>                | <u>Home City and<br/>Prior Employment</u>   | <u>Fellow-<br/>ship<br/>Support*</u> | <u>Date<br/>Entered</u> | <u>Program of<br/>Study (Date<br/>if completed<br/>during year)</u> |
|---|---|--------------------------------------|-------------------------|---|
| II. MASTERS PROGRAM<br>(continued)                      |   |                                      |                         |   |
| Daniel Gouvea<br>B.A.<br>Boston University              | Waltham, Mass.<br>Biology Teacher,<br>Waltham High School<br>Waltham, Mass.   | PHS                                  | Aug. 1970               | M.P.H.  |
| Era Hill<br>B.S.<br>Wayne State University              | Ann Arbor, Mich.<br>Rackham Arthritis<br>Research   | SPH                                  | Aug. 1968               | M.P.H.  |
| Janice Hoffman<br>B.S.<br>University of<br>Illinois     | Elgin, Illinois<br>Staff Rn<br>Sherman Hospital<br>Elgin, Illinois  | PHS                                  | Aug. 1970               | M.P.H.  |
| Kathy Jo Horsley<br>B.A.<br>University of<br>Washington | Seattle, Washington   | PHS                                  | Aug. 1970               | Dec. 1970<br>M.P.H.   |
| Elizabeth House<br>B.A.<br>Wellesley College            | Cambridge, Mass.<br>Family Planning<br>Counselor, Planned<br>Parenthood League of<br>Mass.                              | PHS                                  | Aug. 1970               | M.P.H.  |
| Sherry Khan<br>B.S.<br>California State<br>College      | Sherman Oaks, Calif.<br>Zoology Asst.<br>Zoology Department<br>California State<br>College                              | PHS                                  | Aug. 1970               | M.P.H.  |
| John Kasten<br>M.A.<br>Western Michigan<br>University   | Baltimore, Md.  | PHS                                  | Aug. 1970               | Aug. 1971<br>M.P.H.   |
| Young-Key Kim<br>M.A.<br>Seoul National<br>University   | Seoul, Korea<br>Research Assistant<br>The Population and<br>Development Studies<br>Center, Seoul National<br>University | AID                                  | Aug. 1970               | M.S.  |
| Barbara Louis<br>B.S.<br>Indiana University             | Hobart, Indiana<br>Administrative<br>Assistant, Northwest<br>Comprehensive Health<br>Planning, Purdue Univ.             | PHS                                  | Aug. 1970               | M.P.H.  |

APPENDIX 1  
(continued)

| <u>Name and Prior<br/>Highest Degree</u>                   | <u>Home City and<br/>Prior Employment</u>  | <u>Fellow-<br/>ship<br/>Support*</u> | <u>Date<br/>Entered</u> | <u>Program of<br/>Study (Date<br/>if completed<br/>during year)</u> |
|--|--|--------------------------------------|-------------------------|---|
| II. MASTERS PROGRAM<br>(continued)                         |  |                                      |                         |   |
| Paul MacKenzie<br>M.D.<br>University of<br>Western Ontario | London, Ontario  | CPP                                  | Aug. 1970               | Aug. 1971<br>M.P.H.   |
| Richard Monteith<br>B.A.<br>State University<br>of Iowa    | Dallas, Texas<br>Peace Corps,<br>West Africa   | CPP                                  | Aug. 1969               | Dec. 1970<br>M.P.H.   |
| Thomas Moulding<br>M.D.<br>Northwestern University         | Denver, Colorado<br>Staff Physician,<br>National Jewish<br>Hospital                                    | PHS                                  | Aug. 1970               | Aug. 1971<br>M.S.   |
| Jamila Naeem<br>M.A.<br>University of<br>Michigan          | Lahore, Pakistan<br>West Pakistan<br>Research and<br>Evaluation Center                                 | AID                                  | Aug. 1969               | Aug. 1970<br>M.P.H.   |
| Robert Peterson<br>B.S.<br>Howard University               | Haverford, Pa.<br>Peace Corps,<br>Phillipines  | PHS                                  | Aug. 1970               | M.P.H.  |
| Alma Roberts<br>B.A.<br>Morgan State College               | Baltimore, Md.   | PHS                                  | Aug. 1970               | M.P.H.  |
| Barbara Santee<br>M.A.<br>University of Tulsa              | Tulsa, Oklahoma<br>Social Worker,<br>Tulsa City-County<br>Health Department<br>Family Planning Project | PHS                                  | Aug. 1970               | Aug. 1971<br>M.P.H.   |
| Kyung Sook Son<br>B.S.<br>Ewha Woman University            | Seoul, Korea<br>Voluntary Asst.,<br>National Family<br>Planning Board,<br>Malaysia                     | CPP                                  | Jan. 1970               | Dec. 1970<br>M.S.   |
| Susan Stinson<br>B.A.<br>University of Michigan            | Detroit, Mich.   | PHS                                  | Aug. 1969               | Aug. 1971<br>M.P.H.   |
| Sukontapatipark Tawat<br>M.D.<br>The Army Medical School   | Bangkok, Thailand<br>Army Medical Officer,<br>Royal Thai Army  | AID                                  | Aug. 1970               | M.P.H.  |

APPENDIX 1  
(continued)

| <u>Name and Prior Highest Degree</u>                    | <u>Home City and Prior Employment</u>   | <u>Fellow-ship Support*</u> | <u>Date Entered</u> | <u>Program of Study (Date if completed during year)</u> |
|---|---|-----------------------------|---------------------|---|
| II. MASTERS PROGRAM<br>(continued)                      |   |                             |                     |   |
| Temahivong Trivitya<br>M.D.<br>Chiangmai University     | Phattalung, Thailand<br>Head of First Health<br>Center, Phattalung<br>Thailand  | AID                         | Aug. 1970           | M.P.H.  |
| Jacquelyn Wesley<br>B.S.<br>Morris Brown College        | Savannah, Georgia<br>Keystone Job Corp.<br>Center   | PHS                         | Aug. 1969           | Aug. 1971<br>M.P.H.                                     |
| III. SPECIAL PROGRAMS                                   |   |                             |                     |   |
| Wai Sin Hew<br>University of<br>Malaya                  | Kuala Lumpur, Malaysia<br>Assistant Planning<br>Officer, National Family<br>Planning Board<br>Kuala Lumpur, Malaysia        | CPP                         | Aug. 1970           | Aug. 1971<br>Spec.                                      |
| Peggy Lam<br>B.A.<br>University of<br>Shanghai          | Hong Kong<br>Excutive Secretary<br>of Family Planning<br>Association of Hong<br>Kong  | PC                          | Jan. 1971           | April 1971<br>Spec.                                     |
| Edwin McDaniel<br>M.D.<br>University of<br>Illinois     | New York, N.Y.<br>Head, Dept. of<br>Ob-Gyn. and Family<br>Planning Supervisor,<br>McCormick Hospital<br>Chiangmai, Thailand | CPP                         | Aug. 1970           | April 1971<br>Spec.                                     |
| Krishnamoorthy Ramamoorthy<br>M.A.<br>Panjab University | New Delhi, India<br>Deputy Secretary,<br>Ministry of Health<br>Department of Family<br>Planning, New Delhi                  | FF                          | Jan. 1971           | April 1971<br>Spec.                                     |
| Krishna Singh<br>M.D.<br>Charles University<br>(Prague) | Kathmandu, Nepal<br>Project Chief and<br>Head of Service<br>and Supply  | AID                         | Aug. 1970           | Dec. 1970<br>Spec.                                      |

APPENDIX 1  
(continued)

| <u>Name and Prior Highest Degree</u>                         | <u>Home City and Prior Employment</u>   | <u>Fellowship Support*</u> | <u>Date Entered</u> | <u>Program of Study (Date if completed during year)</u> |
|--|---|----------------------------|---------------------|---|
| IV. STUDENTS July 1 - Aug. 31, 1970 only                     |   |                            |                     |   |
| Eugene Baird<br>M.S.<br>University of Pittsburgh             | Manassas, Va.<br>Gov't Affairs Institute,<br>Washington, D.C.                         | FF                         | Aug. 1969           | Aug. 1970<br>M.P.H.                                     |
| Rene Cabrera<br>M.D.<br>University of Chile                  | Santiago, Chile<br>Family Planning Program,<br>San Borja Hospital<br>Santiago, Chile  | PC                         | Aug. 1969           | Aug. 1970<br>M.P.H.                                     |
| Adolphe Gregoire<br>Ph.D.<br>Cornell University              | Ann Arbor, Mich.<br>University of Michigan<br>Medical Center                          | CPP                        | Aug. 1969           | Aug. 1970<br>Spec.                                      |
| Helen Hunter<br>B.A.<br>University of Michigan               | Ann Arbor, Mich.<br>Medical Center,<br>University of Michigan                         | SPH                        | Aug. 1968           | Aug. 1970<br>M.P.H.                                     |
| Puspa Joshi<br>M.S.<br>Tribhuban University                  | Kathmandu, Nepal<br>Evaluation Officer,<br>Ministry of Health<br>Kathmandu, Nepal     | AID                        | Aug. 1969           | Aug. 1970<br>Spec.                                      |
| David Kleinman<br>M.P.H.<br>University of California         | Berkeley, Calif.<br>California State<br>Department of<br>Public Health                | CPP                        | Aug. 1967           | Aug. 1970<br>Dr.P.H.                                    |
| Sow Khin Loh<br>M.B.B.S.<br>University of Melbourne          | Penang, Malaysia<br>National Family<br>Planning Board                                 | CPP                        | Aug. 1969           | Aug. 1970<br>M.P.H.                                     |
| George Nolan<br>M.D.<br>Howard University                    | Staten Island, N.Y.<br>U.S. Public Health<br>Service Hospital,<br>Staten Island, N.Y. |                            | Aug. 1969           | Aug. 1970<br>M.P.H.                                     |
| Daniel Pierotti<br>M.D.<br>Faculte de Medicine<br>de Paris   | Paris, France<br>French technical<br>military cooperation<br>in Haiti                 | CPP                        | Aug. 1969           | Aug. 1970<br>M.P.H.                                     |
| David B. Sebina<br>M.D.<br>National University<br>of Ireland | Serowe, Botswana<br>Gov't Medical Officer<br>Gaberones, Botswana                      | WHO                        | Aug. 1969           | Aug. 1970<br>M.P.H.                                     |

APPENDIX 1  
(continued)

| <u>Name and Prior<br/>Highest Degree</u>                | <u>Home City and<br/>Prior Employment</u>                | <u>Fellow-<br/>ship Support*</u> | <u>Date<br/>Entered</u> | <u>Program of<br/>Study (Date<br/>if completed<br/>during year)</u> |
|---|--|----------------------------------|-------------------------|---|
| IV. STUDENTS July 1 - Aug. 31, 1970 only<br>(continued) |  |                                  |                         |   |
| Stephen Thomas<br>M.D.<br>University of California      | Moraga, Calif.<br>Kaiser Foundation<br>Hospital, Oakland | PHS                              | Aug. 1969               | Aug. 1970<br>M.P.H.   |
| Neva Wallace<br>B.A.<br>University of Michigan          | Ann Arbor, Mich.   | PHS                              | Aug. 1969               | Aug. 1970<br>M.P.H.   |
| Louis Waxman<br>M.A.<br>New York University             | Brooklyn, N.Y.<br>Peace Corps,<br>Kenya, E. Africa       | PHS                              | Aug. 1969               | Aug. 1970<br>M.P.H.   |

\*AID - Agency for International Development  
 CB - Children's Bureau  
 CDC - Center for Disease Control, DHEW, Atlanta, Ga.  
 CPP - Center for Population Planning  
 FF - Ford Foundation  
 PC - Population Council  
 PHS - Public Health Service traineeship  
 SPH - School of Public Health  
 Tenn. - Tennessee State Health Department  
 WHO - World Health Organization

APPENDIX 2

ALUMNI IN POPULATION PLANNING

| <u>Name</u>                     | <u>Program of Study</u> | <u>Current Position and Address</u>  |
|---------------------------------|-------------------------|--|
| <u>Completed April, 1966</u>    |                         |  |
| M. Jinnah Y Gillani             | M.P.H.                  | 307 Clearbrook, Lansdowne, Pa. 19050   |
| <u>Completed August, 1966</u>   |                         |  |
| R. Rabel                        | M.P.H.                  | Family Planning Officer, Ministry of Health, Colombo, Ceylon   |
| Antonia Polychronopoulou        | Spec.                   | University of Athens, Athens, Greece   |
| <u>Completed April, 1967</u>    |                         |  |
| Francisco Villadiego            | M.P.H.                  | Department de Medicina Preventiva Y Social Facultad de Medicina, Universidad del Valle, Cali, Colombia                 |
| <u>Completed August, 1967</u>   |                         |  |
| Rabindra Kar                    | M.P.H.                  | Department of Health, Government of West Bengal, Calcutta, India   |
| Meera Ray                       | M.P.H.                  | Department of Health, Government of West Bengal, Calcutta, India   |
| Khalil Siddiqi                  | Spec.                   | Chief Statistical Officer, Pakistan Family Planning Council, Pakistan Secretariat, Block No. 36-A, Karachi 20 Pakistan |
| Nicholas Wright                 | M.P.H.                  | Population Council, 245 Park Avenue, New York, New York  |
| <u>Completed December, 1967</u> |                         |  |
| Pearl Romeo                     | M.P.H.                  | Medical Director, F.P. Assoc. of Liberia, P.O. Box 938, 56 Broad St., Monrovia, Liberia                                |
| Joao Yunes                      | M.P.H.                  | Faculdade De Higiene E, Universidade De Sao Paulo, Caixa Postal 8099, Sao Paulo, Brazil                                |
| <u>Completed June, 1968</u>     |                         |  |
| D. Mario Hamilton               | Spec.                   | Department of Statistics, Ministry of Health, Buenos Aires, Argentina  |
| J. A. Lee                       | Spec.                   | Yonsei University College of Medicine, Seoul, Korea  |

APPENDIX 2  
(continued)

| <u>Name</u>                                | <u>Program<br/>of Study</u> | <u>Current Position and Address</u>   |
|--|-----------------------------|---|
| <u>Completed June, 1968</u><br>(continued) |                             |   |
| William Sweeney                            | Spec.                       | Ford Foundation Counsultant, 704 N.<br>Washington, Lansing, Michigan 48906  |
| <u>Completed August, 1968</u>              |                             |   |
| Sook Bang                                  | Dr.P.H.                     | Director, Fertility and Family Planning,<br>Population Division, ECAFE, R. S. Hotel,<br>Bangkok, Thailand                 |
| Razia Begum                                | M.P.H.                      | Family Planning Training and Research<br>Institute, Rajshahi, East Pakistan   |
| George Beyer                               | M.P.H.                      | Department of Ob. & Gyn., University of<br>Leyden, Leyden, Netherlands  |
| Usha Dey                                   | M.P.H.                      | Department of Health, Government of<br>West Bengal, Calcutta, India   |
| Robert Gillespie                           | M.P.H.                      | Population Council, P.O. Box 11-1758,<br>Teheran, Iran  |
| Azra Jabeen                                | M.P.H.                      | Family Planning Counselor, 4 Chatterjee<br>Road, Lahore, Pakistan   |
| Chian Kim Khoo                             | Spec.                       | Department of Statistics, Ministry of<br>Health, 53 B. Lim Liak Street, Singapore 3                                       |
| Diane Miller                               | M.P.H.                      | School Nurse, Neubruecke, Germany   |
| Beverly Mitchell                           | M.P.H.                      | Assistant Professor, School of Nursing<br>MacMaster Univ., Hamilton, Ontario, Canada                                      |
| Larry Rodick                               | M.P.H.                      | Associate Director, Los Angeles Region<br>Family Planning Council, 1636 West 8th<br>Street, Los Angeles, California 90017 |
| David Serwadda                             | M.P.H.                      | Family Planning Association of Uganda<br>Kampala, Uganda  |
| Mary P. Sullivan                           | M.P.H.                      | Director of Family Planning, Yolo<br>County Health and Family Planning<br>Assn., Woodland, California                     |
| Margaret Tesdell                           | M.P.H.                      | Project Nurse, Parent Child Center,<br>Lyr County Courthouse, Marshall, Minn.   |

APPENDIX 2  
(continued)

| <u>Name</u>                     | <u>Program of Study</u> | <u>Current Position and Address</u>   |
|---------------------------------|-------------------------|---|
| <u>Completed December, 1968</u> |                         |   |
| Elinore Atlee                   | M.P.H.                  |   |
| Janet McEachern Obeid           | M.P.H.                  | Director, Pregnancy Counseling Service,<br>195 Canterbury Road, Rochester, N.Y.   |
| Margaret Osei-Boateng           | M.P.H.                  | Department of Chemistry, U.S.T.<br>Kumasi, Ghana  |
| <u>Completed April, 1969</u>    |                         |   |
| Alameda Harper                  | M.P.H.                  | Associate Director, Peace Corps Liberia,<br>United Nations Drive, Box 707, Monrovia,<br>Liberia   |
| Helen Koo Bilsborrow            | M.P.H.                  | Doctoral student, (Population Planning)<br>University of Michigan   |
| Steven Levine                   | M.P.H.                  | Project Director, Genessee Regional<br>Family Planning Program, Rochester,<br>New York  |
| Lois Verbrugge                  | M.P.H.                  | Doctoral student (Sociology) University<br>of Michigan  |
| <u>Completed August, 1969</u>   |                         |   |
| Julian Archie                   | M.P.H.                  | Assistant Professor of Ob./Gyn.<br>Presbyterian St. Luke's Medical Center,<br>Rush Medical School, 1735 W. Congress<br>Pkwy., Chicago, Illinois 60612 |
| Charles Berger                  | M.P.H.                  | Chief, Division of Maternal Health,<br>Michigan Health Department, 252<br>Hollister Bldg., Lansing, Michigan  |
| Leonard Brooks                  | M.P.H.                  | Project Physician, Haywood County<br>Health Dept., Brownsville, Tenn.   |
| Charles Burr                    | M.P.H.                  | Health Educator, Project Hope, Box<br>785, Ganado, Arizona  |
| Marvin Cernik                   | M.S.                    | Acting Chief, Population/Family Planning<br>Division, AID, Kabul, Afghanistan   |
| Alfredo Goldsmith               | M.P.H.                  | Director of Research & Development, The<br>Path-Finder Fund, 850 Boylston,<br>Boston, Massachusetts 02167   |

APPENDIX 2  
(continued)

| <u>Name</u>                                  | <u>Program of Study</u> | <u>Current Position and Address</u>   |
|--|-------------------------|---|
| <u>Completed August, 1969</u><br>(continued) |                         |   |
| Doris Malin                                  | M.P.H.                  | Office of Planning & Evaluation,<br>National Center for Family Planning<br>Services, Dept. of HEW, Rockville,<br>Maryland |
| Azra Mubarak                                 | M.P.H.                  | Family Planning Council, Block No. 36-A,<br>Karachi, Pakistan   |
| David Perlman                                | M.P.H.                  | Research Assistant, School of Public<br>Health, University of Michigan  |
| N. Sathivathy                                | M.P.H.                  | Associate Professor of Ob. & Gyn.,<br>Family Planning Unit, Medical College<br>Hospital, Calicut-1, Kerala, India         |
| Barbara Serena                               | M.P.H.                  | Social Service Dept., 65 Bergen Street,<br>New Jersey College, Newark, N.J. 10017   |
| M. Subbiah                                   | M.P.H.                  | National Family Planning Board, Box 416,<br>Kuala Lumpur, Malaysia  |
| Robert Troiano                               | M.P.H.                  | Methadone Bureau, 228 West 10th Street<br>New York, N.Y. 10014  |
| <u>Completed December, 1969</u>              |                         |   |
| Nargis Akhter                                | M.P.H.                  | Medical Officer, East Pakistan Family<br>Planning Board, 66 Kalabagan, Lake<br>Circus, Dacca, East Pakistan               |
| Colleen Clark                                | M.P.H.                  | 5 Koln 30, Vogelsaugerstrasse 67,<br>West Germany   |
| Judith Coakley                               | M.P.H.                  | INCO, P.O. Box 143, Makassar,<br>Sulawesi, Indonesia  |
| Deborah Oakley                               | M.P.H.                  | Research Associate, Department of<br>Population Planning, Univ. of Michigan   |
| V. T. Palan                                  | Spec.                   | Senior Statistician, Dept. of Statistics<br>MIC Building, Maxwell Road, Kuala<br>Lumpur, Malaysia                         |
| Boon-Ann Tan                                 | M.S.                    | National Family Planning Board, Box 416<br>Kuala Lumpur, Malaysia   |
| Jerald Young                                 | M.P.H.                  | Field Operation Specialist, USAID Nepal<br>Kathmandu, State Department, Washington,<br>D.C. 20523                         |

APPENDIX 2  
(continued)

| <u>Name</u>                   | <u>Program<br/>of Study</u> | <u>Current Position and Address</u>   |
|-------------------------------|-----------------------------|---|
| <u>Completed April, 1970</u>  |                             |   |
| Wilton Dillon                 | M.P.H.                      | Health Educator, HEW Public Health Service, Indian Health Service, Lame Deer, Montana   |
| Carolyn Houser                | M.P.H.                      | Doctoral Student, (Population Planning) University of Michigan  |
| Sue Lelaurain                 | M.P.H.                      | RFD 1, Box 115, Kennebunkport, Maine  |
| Korbin Liu                    | Spec.                       | Dept. of HEW, Region I, J.F.K. Federal Bldg., Government Center, Boston, Massachusetts 02203  |
| <u>Completed August, 1970</u> |                             |   |
| Eugene Baird                  | M.P.H.                      | Government Affairs Institute, Washington, D.C.  |
| Rene Cabrera                  | M.P.H.                      | Director of Education & Information, Chilean Family Planning Association, Barcelona 2018, Apt. #105, Providencia, Santiago, Chile               |
| Adolphe Gregoire              | Spec.                       | Margaret Sanger Research Bureau, Inc. 17 W. 16th Street, New York, N.Y. 10011   |
| Helen Hunter                  | M.P.H.                      | Research Assistant, Department of Population Planning, Univ. of Michigan  |
| Puspa Joshi                   | Spec.                       | Evaluation Officer, Ministry of Health, Kathmandu, Nepal  |
| David Kleinman                | Dr.P.H.                     | Research Scientist, Battelle Population Studies Center, Seattle; Affiliate Asst. Professor of Health Services with the University of Washington |
| Sow Khin Loh                  | M.P.H.                      | National Family Planning Board, Box 416, Kuala Lumpur, Malaysia   |
| Jamila Naeem                  | M.P.H.                      | Department of Population Planning, University of Michigan   |
| George Nolan                  | M.P.H.                      | Assistant Professor, Maternal, Child and Health and Ob.&Gyn., Univ. of Michigan   |
| Daniel Pierotti               | M.P.H.                      | PAHO, Port-of-Spain, Trinidad   |

APPENDIX 2  
(continued)

| <u>Name</u>                                  | <u>Program of Study</u> | <u>Current Position and Address</u>   |
|--|-------------------------|---|
| <u>Completed August, 1970</u><br>(continued) |                         |   |
| David Sebina                                 | M.P.H.                  | Senior Government Medical Officer, P.O. Box 49, Serowe, Botswana, Southern Africa   |
| Stephen Thomas                               | M.P.H.                  | USAID Pakistan, ID/Islamabad, Dept. of State, Washington, D.C. 20521  |
| Neva Wallace                                 | M.P.H.                  | Research Assistant, Department of Population Planning, Univ. of Michigan  |
| Lewis Waxman                                 | M.P.H.                  | Family Planning Coordinator, Alaska Dept. of Health and Social Services, Division of Child Health, Pouch H Juneau, Alaska |
| <u>Completed December, 1970</u>              |                         |   |
| Kathy Horsley                                | M.P.H.                  | Population Reference Bureau, INC., 1755 Massachusetts Ave., N.W., Washington, D.C. 20036                                  |
| Richard Monteith                             | M.P.H.                  | Research Assistant, Department of Population Planning, Univ. of Michigan  |
| Kyung-Sook Son                               | M.S.                    | Statistician, Research Department Planned Parenthood Association, 185 North Wabash Avenue, Chicago, Illinois 60601        |
| <u>Completed April, 1971</u>                 |                         |   |
| Peggy Lam                                    | Spec.                   | Executive Secretary, The Family Planning Association of Hong Kong, 152 Hennessy Road, Hong Kong, B.C.C.                   |
| Edwin McDaniel                               | Spec.                   | Head, Department Ob.&Gyn. and Family Planning, Supervisor, McCormick Hospital Chiangmai, Thailand                         |
| Krishnamoorthy Ramamoorthy                   | Spec.                   | Deputy Secretary, Department of Family Planning, Government of India, P.O. Box 5410, New Delhi-11, India                  |

APPENDIX 2  
(continued)

| <u>Name</u>                   | <u>Program of Study</u> | <u>Current Position and Address</u>  |
|-------------------------------|-------------------------|--|
| <u>Completed August, 1971</u> |                         |  |
| Fredric Abramson              | Ph.D.                   |  |
| David Allen                   | M.P.H.                  | Director, Maternal Health and Family Planning, Tennessee Department of Public Health, 409 Capital Towers, Nashville, Tenn. 37219         |
| Surinderjit Bakhshi           | M.P.H.                  | Medical Officer, Maternal and Child Health Department, Lusaka, Zambia  |
| N. K. Bhatnagar               | M.S.                    | Statistical Officer, Department of Family Planning, B-18/352, Lodi Colony, New Delhi-3, India  |
| Joseph Chamie                 | M.S.                    | Doctoral Student (Sociology) University of Michigan  |
| Nancy Garrett                 | M.P.H.                  | Research Analyst/Consultant, Canadian Nurses Association, 222 McLaren #23 Ottawa K2POL8, Ontario, Canada                                 |
| Ramon Gonzales                | M.P.H.                  | Medical Director, Venezuelan Family Planning Association, Apartado 61212, Chacao Caracas, Venezuela                                      |
| Wai Sin Hew                   | Spec.                   | Assistant Planning Officer, National Family Planning Board, Box 416, Kuala Lumpur, Malaysia  |
| John Kasten                   | M.P.H.                  | Training and Staff Development Specialist, Family Planning Program, 61 South Spring Street, Concord, New Hampshire                       |
| Paul MacKenzie                | M.P.H.                  | Lecturer, Queen's University, Kingston, Ontario, Canada  |
| Thomas Moulding               | M.S.                    | Dept. of Ob.&Gyn., Denver General Hospital, 8th and Cherokee Streets, Denver Colorado 80204  |
| Pierre Pradervand             | Spec.                   | West African Representative, American Friends Service, Dakar, Senegal, c/o AFSC, 112 South 16th Street, Philadelphia, Pennsylvania 19102 |
| Barbara Santee                | M.P.H.                  | Overseas Population Intern, c/o Celade, Jose Manuel Infante 9, Santiago, Chile   |

APPENDIX 3

POPULATION PLANNING COURSES GIVEN 1970-71

- H.D. 550 Elements of Population Planning (3 credit hours - Winter Term II)  
Eliot

Survey of the field of population planning for non majors. An overview of the causes and effects of world population growth and the methods and programs designed to deal with the problem.

- H.D. 650 Population Programs (3 credit hours - Winter Term II)  
Corsa

Principles and methods of planning, organizing, operating and evaluating programs to affect population growth through fertility regulation.

- H.D. 651 Human Reproductive Biology (3 credit hours - Winter Term II)  
Behrman and Eliot

Detailed survey of current knowledge in the physiology of human reproduction, clinical and technologic aspects of contraception, infertility, induced abortion, fetal mortality and pertinent research developments.

- H.D. 652 Proseminar in Population Planning (2-6 credit hours - Terms II, III)  
Takeshita

Investigation of a selected problem planned and carried out by each student. Seminars held for group discussion of current progress of individual investigations.

- \* H.D. 653 Population and Human Affairs (2 credit hours - Fall Term I)  
Finkle

Problems of world population growth. Relationship to food, housing, health, education, employment, natural resources, energy, transportation, recreation, government, religion and social organization. National policies on fertility regulation.

- \* H.D. 654 Topics in Population Planning (3 credit hours - Term IIIA)  
Poffenberger

Social psychology of fertility in a changing peasant society Development and testing of theoretical concepts regarding fertility behavior using data from a study of a specific social system, including the analysis of the culture and social structure which determine the values and network of relationships. Examination will be made within the framework of the individual life cycle and social change, considering the interaction of forces external to the social group and the individuals within the group. Attention will be given to traditional processes of communication and learning regarding fertility variables and to the newer forms such as specific aspects of a government family planning program, the institutionalized school system and mass media communication. Implications for decisions regarding programs will be considered. Admission by permission of instructor only.

APPENDIX 3  
(continued)

H.D. 750 Field Experience in Population Planning (2-6 credit hours - Terms I, II, III)  
Peng and Associates

Individual or small group arrangements for specialized field experience.

H.D. 850 Seminar in Population Planning (4-6 credit hours - Terms I, II)  
Corsa and Associates

Advanced study of planning, organizing, and evaluation of programs to affect population growth through fertility regulation. Includes selection of a special topic by each student for intensive literature review and evaluation and for design of original investigation on some aspect. Discussions of faculty research. Guest lecturers on special topics. Primarily for doctoral students in population planning.

H.D. 853 Readings in Population Planning (1-3 credit hours - Terms I, II, III)  
Finkle and Associates

Review of literature and discussion on assigned subjects.

H.D. 951 Research in Population Planning (2-6 credit hours - Terms I, II, III)  
Corsa and Associates

Original investigations in population planning open only to advanced students by special permission.

P.H. 500-1 Public Health (10 credit hours - Terms I, II)  
Corsa, Oakley and Kar

A two hour teaching case on zero population growth for the United States was presented.

#### APPENDIX 4

##### POPULATION PLANNING SEMINARS 1970-71 (July 1, 1970 - August 31, 1971)

- |            |    |  |
|------------|----|--|
| July       | 1  | "Planned Health Change", Dr. S. C. Hsu   |
| July       | 10 | "Population Research at USSR Center for Study of Population Problems", Dr. Valentei, Moscow State University                   |
| September  | 29 | "Pakistan Impact Survey", Dr. J.G. Hardee, Ph.D., The Ford Foundation Population Specialist, Kuala Lumpur, Malaysia            |
| September  | 30 | "Family Planning in U.A.R.", Dr. Khalil Mazhar, Chairman, Supreme Council for Family Planning, U.A.R.                          |
| October    | 6  | "Field Study on Injectable Contraceptives in Thailand", Dr. E. McDaniel, Chieng-Mai, Thailand                                  |
| October    | 20 | "Family Planning in Michigan", Neva Wallace, Richard Montieth and Steve Thomas   |
| October    | 28 | "Population and Family Planning Research Program at American University in Cairo", Professor Saad Gadalla                      |
| November   | 3  | "A Planning Process for Communications Programs", Mr. William Sweeney, The Ford Foundation                                     |
| * November | 17 | "Family Planning in Ceylon", Dr. Nicholas Wright, The Population Council   |
| November   | 25 | "Population Learning Among Youths in a Changing Peasant Society - the Case of India", Dr. Thomas Poffenberger                  |
| * December | 1  | "International Aspects of Fertility Control - Africa", Dr. Julius Prince, AID African Bureau, S. Bakhshi and Pierre Pradervand |
| December   | 2  | "Obstacles to and Possibilities of a Population Policy in Tropical Africa", Pierre Pradervand                                  |
| December   | 8  | "Comparative Study of Growth of Agricultural Population", Dr. Joginder Kumar   |
| January    | 12 | "Abortion Surveillance and Family Planning Activities in CDC", Dr. Carl Tyler, Center for Disease Control                      |
| * January  | 19 | "Population Program of U.N.F.P.A.", Mr. Rafael M. Salas, Chief, United Nations Fund for Population Activities                  |
| January    | 20 | "Proposed Michigan F.P. Evaluation Survey", Dr. Robert Smock   |
| February   | 9  | "Use of High Dosage Estrogen for Fertility Control", Dr. L. Kuchera, Health Service, U. of M.                                  |

APPENDIX 4  
(continued)

- \* February 16 "Monetary Incentive Program and Pakistan Impact Survey", Dr. I. Sirageldin and Mr. Samuel Hopkins, John Hopkins School of Hygiene
- February 23 "Changing Roles of Women in Relation to Changes in Fertility Behavior - the American Experience 1850-1971", Carolyn Houser
- March 16 "Fertility Control in Latin America", R. Gonzales, Leo Morris, Dave Allen
- March 17 "California IUD Study", Dr. John McGuire, University of California, Berkeley
- \* March 23 "Current Population Legislation", Carl Pope, ZPG, Washington, D.C.
- March 26 "Adventures in Liberia", Alameda Harper, MPH 1969
- \* March 30 "Program of PPWP", Mr. Fred Jaffe, PPWP
- \* March 31 "China: Institutional Changes in the Wake of the Cultural Revolution and Motivations to Reduce Fertility", Janet Salaff, University of Toronto
- March 31 "Progress in Family Planning in Nepal", Gerald Young, MPH 1969  
Discussant: Dr. Ralph Ten Have
- April 7 "The Colombian Druggist as a Contraceptive Educator", Jerald E. Bailey
- April 14 "Family Planning in Hong Kong", Mrs. Peggy Lam
- April 14 "The Politics of Population Planning", Dr. Gayl Ness
- April 21 "Family Planning Research in India", Dr. Kamala Gopal Rao, Chief, Social Research Division, Central Family Planning Institute and Dr. D. Gopal Rao, National Council of Educational Research And Training
- May .11 "Summary Report of the American Association of Planned Parenthood Physicians Meeting", P. MacKenzie, T. Moulding, R. Gonzales and S. Bakhshi
- \* May 18 "Present State of Family Planning in Pakistan", Dr. Nafis Sadik, Director General, Pakistan Family Planning Council
- \* May 25 "Experience in Family Planning in Atlanta", Dr. Jacob Adams, Atlanta Southside Comprehensive Health Center
- June 22 "Experience of Population Education in Baltimore Schools", Mrs. Callie Cochran, Baltimore Planned Parenthood League

APPENDIX 4  
(continued)

- \* July 20 "Teen Clinics for Unwed Mothers and Fathers in Harlem", Miss Francis Peterson, Teen Clinic (Harlem)
- July 23 "AID Population Program and Age-Parity Grid Analysis of Fertility", Dr. R. Ravenholt, Office of Population, AID

## APPENDIX 5

## DEPARTMENT OF POPULATION PLANNING

Summary of Major Types of Expenditures and Their Sources

|   | <u>1965-66</u> | <u>1966-67</u> | <u>1967-68</u> | <u>1968-69</u> | <u>1969-70</u> | <u>1970-71</u> |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>Total Expenditures*</b>                    | \$200,498      | \$355,892      | \$494,904      | \$650,582      | \$789,851      | \$868,656      |
| <b><u>Types of Expenditure</u></b>            |                |                |                |                |                |                |
| <b><u>Staff:</u></b>                          |                |                |                |                |                |                |
| Teaching Faculty                              | 65,470         | 126,007        | 184,994        | 195,853        | 183,270        | 202,625        |
| Other Academic                                | 9,551          | 52,694         | 41,247         | 49,412         | 54,865         | 109,761        |
| Non-Academic                                  | 21,397         | 32,066         | 67,848         | 73,519         | 105,722        | 134,793        |
| Consultants                                   | 2,711          | 2,300          | 2,679          | 2,840          | 4,054          | 13,208         |
| Benefits                                      | 7,316          | 13,273         | 24,826         | 31,123         | 30,270         | 47,436         |
| <b><u>Facilities:</u></b>                     |                |                |                |                |                |                |
| Equipment                                     | 14,789         | 7,491          | 9,397          | 7,889          | 14,278         | 15,705         |
| Utilities                                     | 1,018          | 7,026          | 8,314          | 6,574          | 10,188         | 14,916         |
| Rent  | 14,147         | 13,547         | 19,522         | 19,522         | 19,522         | 25,922         |
| Supplies                                      | 9,275          | 20,337         | 17,121         | 26,042         | 25,362         | 23,768         |
| Computer                                      | 1,029          | 100            | 7,182          | 5,250          | 9,575          | 11,711         |
| <b><u>Travel:</u></b>                         |                |                |                |                |                |                |
| U.S.  | 8,224          | 4,930          | 9,885          | 10,164         | 14,471         | 31,525         |
| Other   | 2,736          | 28,969         | 9,305          | 24,857         | 20,670         | 25,973         |
| <b><u>Student Support:</u></b>                | 24,197         | 13,418         | 56,602         | 146,992        | 188,178        | 142,693        |
| <b><u>Miscellaneous:</u></b>                  |                |                |                |                |                |                |
| Field Research                                | ---            | ---            | ---            | ---            | ---            | 5,048          |
| Grants  | ---            | 2,000          | ---            | ---            | ---            | ---            |
| Income  | ---            | ---            | ---            | 9,408          | 68,682         | ---            |
| Overhead                                      | 18,638         | 31,734         | 35,982         | (-214)         | (-1,897)       | (-331)         |
|   |                |                |                | 41,351         | 42,641         | 63,903         |
| <b><u>Income Sources for Expenditures</u></b> |                |                |                |                |                |                |
| University of Michigan**                      | ---            | ---            | 9,755          | 55,615         | 74,351         | 81,355         |
| Ford Foundation - General                     | 163,175        | 241,779        | 370,994        | 267,485        | 314,750        | 289,727        |
| AID - 211d                                    | ---            | ---            | ---            | 111,430        | 244,872        | 278,974        |
| Ford Foundation - Special                     | ---            | 69,461         | 55,349         | 94,571         | 133,626        | 30,370         |
| AID - Special                                 | ---            | ---            | ---            | 40,736         | 62,914         | 73,714         |
| HEW - PHS                                     | ---            | ---            | ---            | 76,797         | 65,000         | 65,000         |
| Population Council                            | 10,822         | 24,711         | 18,076         | 3,950          | ---            | 1,614          |
| Rockefeller Foundation                        | 15,000         | 14,941         | 14,971         | ---            | ---            | ---            |
| Other   | 11,500         | 5,000          | 6,064          | ---            | ---            | ---            |
|   |                |                |                |                |                | 47,902         |

\*Figures are rounded to the nearest dollar

\*\*Does not include general administrative support