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REGULAR TRAINING PROGRAMME

The fifteenth Basic Course of CELADE, the first given at the Subcentre in San José (COSTA RICA), came to its conclusion by the middle of December. The final monographs, carried out under the guidance of the teaching staff, covered the following general subjects: sources of demographic data (4), mortality (4), migration (3), demographic aspects of the labour force (5) and population projections (1).

The sixteenth Basic Course started on 19 February of this year, attended by 20 fellows, selected from 16 countries of the region. As in previous years, an important proportion of students has an academic background in Statistics, Mathematics and Economics (12). 15 students of the 20 participants have been granted United Nations fellowships, the remaining being financed by the Ford Foundation (4) and A.I.D. (1).

The fourteenth Advanced Course, the last given at Santiago Headquarters concluded by the end of December. During the first part of the period under report, October-December 1972, the students carried out a second monograph under the supervision of the teaching staff. These reports covered the following general topics: family (2), nuptiality (2), female employment (1), fertility (2), fertility and mortality (1), mortality (2).

The Advanced Course will not be given during 1973. It is planned to start this programme again at San José in 1974. Nevertheless, considering the highly satisfactory performance of some students of the 1972 Basic Course, and the National Intensive Course carried out during that year at the "Universidad de Oriente (Santiago de Cuba)", as well as the interest shown by the institutions to which they belong, a special program has been organized for "Research Fellows" in Santiago for a 12 months period starting in April, 1973.

The three students who were attending the Specialization Course concluded their training programme. During the first quarter of this year, 2 fellows, from Panama and Cuba respectively, initiated their training period in this Course.

MASTER IN ECONOMICS WITH SPECIALIZATION IN DEMOGRAPHY

As an answer to the growing demand for training in demography, CELADE has incorporated into its work programme the teaching of demography at the post-graduate level aimed at training investigators and professors with sound knowledge of demographic theory and methods who, at the same time would have a high level background in other disciplines closely related to demography.

This programme has been undertaken jointly by CELADE and the Department of Economics (Western Area) of the University of Chile and consists of two years of post-graduate studies. It was inaugurated on 19 March of this year, with the participation of 9 students, some of them from the Department of Economics and others (non-Chilean) from Latin American countries, the latter as United Nations fellows.

RESEARCH AND TECHNICAL ASSISTANCE

The programme of studies on migration, urbanization and demographic aspects of economics and social development continued through its three main projects already described in previous reports: "economic-demographic interrelations", "internal migrations" and "growth of cities".

Within the field of economic-demographic interrelations work is in progress in connection with "Population and Employment", a project which is carried out in accordance with an agreement signed with the International Labour Office. During the period under report information has been gathered and the necessary elements have been prepared for the formulation of the theoretical framework required for the analysis of the different demographic behaviours in connection with different development situations. A first draft of the report has already been prepared, in which a number of research studies which should be undertaken to complete the above mentioned framework are pointed out.

Activities related to the comparative study of the principal migratory currents in all the countries of the region continue according to schedule. Four different programmes of estimates of net migration and the corresponding rates were tested and one of these programmes was selected on the basis of which the census information from Chile, Colombia and Mexico since 1940 up to this date was totally processed. The programme adopted includes different types of rates. The analysis of these rate has been initiated in order to decide which are the most appropriate types for the analysis foreseen.

In connection with the research programme on internal migration and occupational mobility, field work related to the survey undertaken in the metropolitan areas of Asuncion (P) which consisted of three phases was concluded and the coding manuals for those three stages were prepared as well as the manual of instructions for the first stage. In this connection, technical assistance missions to Asuncion were carried out in November 1972 and March 1973. As to the survey to the metropolitan area of

San Jose (Costa Rica) the questionnaires have been already designed and they are at present being revised together with the theoretical framework. During the period under report, an econometrist from Greece was incorporated into CELADE staff. He has initiated, within this same programme, a project on urbanization and economic growth based on a case study on Chile.

The Cartographic work related to the physical growth of cities of the research programme on urban growth in Latin America was concluded and a revision of the final work was initiated. The classification of the material collected which enables the characterization of all cities included in the study on the basis of which "centrality" studies were carried out. A general draft has been prepared. The framework and models for the population projections have been prepared and the effective application of these models was started. A set of projections derived from the analyses carried out is already available.

In connection with the research project Actors in the Formulation of Population Policies: A Study of Political Parties and Social Scientists in Chile work continued in the following aspects: (a) Political actors: approximately 20 per cent of the political leaders were interviewed and the report on the Chilean political system and the government during the period 1958-1972 was initiated; (b) Social scientists: the data gathered during the first stage of the research were cleaned and revised. An analysis of these data was submitted in a preliminary report. The code for the analysis of content for the second stage was prepared; (c) Context: Data collection on situational factors of population policies, continued and were summarized in a preliminary report.

The first of four Seminars on Research and Training in Fertility (SIEF) as mentioned in the previous report, began in September 1972 and ended in February 1973. In addition to the two invited research associates, from Mexico and Guatemala, and the Seminar Director, four professionals from the Fertility Sector one CELADE third year student and a member of the ELAS/CELADE project participated. Two seminar meetings were held each week to provide formal training for the research associates and other participants and to allow discussion concerning the individual research projects prepared by the participants^{1/}.

^{1/} Two members of the Fertility Sector staff prepared an article for CELADE's Boletín Informativo entitled: "SIEF: Research Training Seminars for the Comparative Analysis of the PECFAL-RURAL Fertility Surveys".



In March, five research associates, one each from Brazil, C. Rica and Mexico and two from Peru, arrived to begin the second SIEF seminar. The permanent Fertility Sector staff will participate as well as a third year CELADE Student and an ECLAS/CELADE staff member.

During the period under report, most of the activities involving the programme of comparative fertility surveys in rural areas (PECFAL-RURAL) were centered around analysis. Some difficulties with the data tapes of the countries were encountered when an attempt was made to connect the survey sample areas with census information. These problems were discussed with country representatives when a member of the Fertility Sector visited the PECFAL-RURAL groups in Mexico, Colombia and Peru and spoke with a Costa Rican investigator at a meeting in Mexico.

In connection with this programme, a demographer from Canada arrived for a six month stay to assist in evaluating the pregnancy histories, utilized the information to construct age specific rates as well as cohort fertility rates and development a number of the analyses for publication.

Two second year CELADE students used the PECFAL-RURAL data from Colombia to prepare monographs^{2/}.

In connection with activities related to health and population, the corresponding Sector continued developing the programmes on induced abortion PEAL and PEAL/TRANSLONG. A revision was made of the document "Análisis preliminar de algunos datos sobre aborto provenientes de encuestas en América Latina" which contains preliminary results of the Bogotá, Panamá, Lima and Buenos Aires surveys. As to the prospective and retrospective abortion surveys (PEAL/TRANSLONG), two preliminary reports based on some of the findings were prepared.

The analysis of results of the fertility, induced abortion and use of contraceptives survey undertaken in five cities of Paraguay was concluded and published in the CELADE Series of Publications.

Activities related to the System for Service Statistics (SIDES) continued with the publication of the system's bases, use and processing manuals and of the results obtained so far. The system continues to be improved by simplifying the data collection and processing procedures.

^{2/} "Anticoncepción, fecundidad y catolicismo en las áreas rurales y semi-urbanas de Colombia, 1969", and "Diferenciales femeninos de la edad al primer matrimonio en cuatro regiones rurales de América Latina (Colombia, Costa Rica, Mexico y Perú)".

Technical assistance in connection with the application of SIDES continued to be rendered to the Family Planning Programme of the Alajuela Province in Costa Rica and to the National Medical Service for Employees (SERMENA), in Valparaíso (Chile). This assistance was extended to the Ministry of Public Health of Panama. Members of CELADE's Headquarters and Sub-Centre's staff adapted the System to the Ministry's Family Planning Programme and trained executive personnel to carry out a retrospective study of the activities developed by the Programme during the period 1970-1972. The prospective application of SIDES will be initiated in July 1973.

Assistance to the Chilean Ministry of Public Health was rendered in the preparation of 8 projects for the evaluation of the "Programme of Extension of Maternal and Child Health and Family Welfare Services" (PESMIB). CELADE also collaborated in the preparation of the corresponding Plan of Operation signed in December 1972. During the first quarter of 1973, the CELADE Health and Population Dynamics Sector participated in the development of coverage investigations; estimation of maternal and child morbidity levels, follow up survey; KAP survey and survey of perception of the medical attention given by the National Health Service.

Regarding the current revision of population estimates and projections, activities were carried out in relation to the evaluation of census information, estimates of the demographic situation and formulation of hypotheses on the possible future evolution of fertility, mortality and international migrations of countries of the region: Panama, Brazil, Dominican Republic, Nicaragua, Mexico, Chile and Venezuela.

In connection with the 1970 census programme, technical assistance was rendered to the Netherland Antilles; 250 population tables were programmed and processed at the end of March. The Managua earthquake prompted CELADE to collaborate actively with the National Statistical Office of Nicaragua in the tabulation of the population and housing census. In this connection the analysis was made of the context of the binary archives and the binary coded decimal (BCD) of 28 tapes. The processing of the information has been initiated and the population data corresponding to the Departments of Managua, Masaya, Esteli, Madriz, Nueva Segovia, Rio San Juan and Zelaya have already been delivered.

As to the 1970 sampling census programme (OMUECE 70) steps were undertaken to incorporate data from those countries which have prepared samples in connection with their 1970 population census and which have not joined CELADE's Data Bank as yet. Family registries were prepared based on data from the Chilean 1970 population census, and special family

tabulations for the Tarapacá Province and family marginal tabulations at the country level were also elaborated. At the request of the Catholic University of Chile and the National Planning Office, special tabulations based on the 1970 sample of Chile were prepared. Special tabulations based on the 1970 census samples of the Dominican Republic and Nicaragua were also elaborated at the request of ILO. Exchange of information with the University of Florida "Latin America Data Bank" and Colombia University was carried out during the semester under report.

CELADE's Computer Service continued to be very active during the report period which is reflected in 336 hours of 360/40G computer time and 224 of terminal time.

OTHER ACTIVITIES

Activities related to the programme of social research on population problems relevant to population policies in Latin America (PISPAL) continued during the semester. The first extraordinary meeting of the Programme Committee was held in Mexico City on 3 and 4 November 1972, with the attendance of the eight members Centres of PISPAL. The main objectives of this meeting were to inform the participants on recent developments regarding the funds to be contributed by the donor agencies for the Programme's support; to establish the regulations specifying the Programme Committee, the Central Unit and CLACSO's Commissions on Population and Development functions, as well as their mutual relations and the criteria to be adopted in the selection of the researchers to be appointed for the Central Unit. In this connection, steps for the recruitment of one sociologist and one expert in urban planning for the Central Unit are underway.

The first ordinary meeting of the Programme Committee was held in Santiago on 27 to 30 March. This meeting was mainly devoted to discussing and defining the Programme's lines of research as well as the tasks to be accomplished by the Central Unit and the member Centres during the first year of work.

The ELAS/CELADE Exchange Programme (PROELCE) continued its training and research activities delivering at ELAS a course on "Methodology of Research with quantitative secondary data" and submitting partial reports on the five research projects at present underway, within this programme.

A member of CELADE staff visited India from 5 to 14 December 1972, invited by the New Delhi National Institute of Family Planning, where he held a number of interviews with key persons involved in the formulation and implementation of population policies in India.

A CELADE staff member visited the Population Center of the University of North Carolina to discuss the development of a Latin American computerized fertility bibliography and clearinghouse at CELADE.

At UNFPA's request, a member of CELADE staff integrated a four week mission sent to San Salvador by the Fund in order to prepare a comprehensive population programme. A Sub-Centre staff member also participated in the mission.

A CELADE staff member gave lectures at the Seminar on The Use of Computation in the Social Sciences, held in Honduras from 22-29 October under the sponsorship of the Central American Social Sciences Programme.

Assistance in the use of PEFAL-Urban data was provided to members from ELAS and ECLA.

PUBLICATIONS

Among the publications issued under CELADE's regular series mention should be made of:

Demeny, P., "El aspecto económico del control de la población"

Demeny, P., "Un programa mínimo para estimar medidas básicas de la fecundidad a partir de censos de población en los países asiáticos con estadísticas demográficas insuficientes".

Chackiel, J., "Costa Rica (Cantón Grecia) 1968 and Chile, 1960: Algunas consideraciones del método del profesor William Brass para estimar fecundidad".

Other publications include technical reports, students monographs, teaching material and translations.

Concluding the present summary of activities, mention should be made of the following conferences, seminars and technical meetings in which CELADE members have participated:

- International Consultation convened by the Canadian International Development Agency (CIDA) on "What should be the future role of Canada in international development cooperation"; held in Montreal from 29 October to 1st November, 1972.
- CLACSO General Assembly, held in Mexico from 6 to 8 November 1972 organized by IASI.
- VI Inter American Statistical Conference organized by IASI in Santiago from 6 to 14 November 1972. A document was submitted^{3/}.
- First meeting of the CLACSO Working Group on Population Reproduction Processes held in El Colegio de Mexico, Mexico, from 9 to 14 November, 1972. A paper was submitted^{4/}.
- Interregional Workshop on Population Action Programmes, organized by the U.N. Population Division in Manila, Philippines, from 15 to 25 November, 1972. A document was submitted^{5/}.
- Seminar on Service Statistics in Family Planning, sponsored by IPPF with CELADE's collaboration, and held in Santiago from November 18 to 24, 1972^{6/}.
- Seminar on Migrations, organized by CELADE in collaboration with CLACSO's Commission on Population and Development, held in Santiago from 11 to 13 December 1972
- Meeting of the Regional Coordination Committee of the World Fertility Survey, set up by ISI, held in The Hague on January 24 and 25, 1973.
- XV Period of Sessions of the Economic Commission for Latin America, held in Quito from 23 to 30 March. CELADE submitted a background document^{7/}.

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- 3/ "Almacenamiento y recuperación de información estadística y elaboración de tabulaciones mediante computadoras"
 - 4/ "Encuestas comparativas de fecundidad en América Latina: algunos aspectos metodológicos"
 - 5/ Development measures leading to a decline in fertility in underdeveloped countries of Latin America. The cases of Brazil, Chile and Cuba.
 - 6/ CELADE document Series A. 115 "Estadísticas de servicio en planificación familiar" was discussed during this seminar
 - 7/ Activities of the Latin American Demographic Centre carried out in 1971-1972 and programmed for 1973-1974.

SUB-CENTRE (SAN JOSE, COSTA RICA)

TRAINING

1972 Basic Course on Demography. During the last quarter of 1972, the students prepared their final research works, producing a total of 17 monographs on several demographic subjects. The 1972 Basic Course closed on 15 December with 17 fellows from 12 Latin American countries. During the period under report activities were undertaken in connection with the promotion and organization of the 1973 Basic Course which started on 19 February with the participation of 20 fellows from 16 countries of the region.

Training in demography at the University of Costa Rica. The regular course on sociological aspects of demographic growth at the Human Sciences Department of the Faculty of Sciences and Letters, in charge of members of* the Sub-Centre staff ended in November 1972. This Course was initiated again in March 1973.

Classes on demography continued to be delivered at the Centre for Social and Population Studies (CESPO), within its regular training programme in family planning.

Training in demography at the University of San Carlos de Guatemala. During the last quarter of 1972, Sub-Centre staff continued delivering at the Faculty of Economic Sciences the first course on demography addressed at students in the last year of the career of economics.

Other Courses. At the beginning of 1973, the II National Intensive Course on Demography was initiated at the Faculty of Economic and Social Sciences of the Universidad del Zulia Venezuela, with the participation of 22 students. The Sub-Centre collaborates delivering classes corresponding to two subjects of the programme.

At the request of the Costa Rican Ministry of Education, the Sub-Centre collaborated in the development of the "Course for Regional Directors and Supervisors" sponsored by the Ministry and UNESCO. Sub-Centre staff was in charge of classes on Demographic Aspects of Educational Planning.

RESEARCH

Honduras National Demographic Survey (EDENH). The fourth and last round of interviews of the prospective survey was concluded. A special questionnaire was added to this round containing retrospective questions and other questions on orphanhood, survival and widowhood. The research covered about 51,000 persons and its main purpose was to obtain information to estimate levels and behaviour of the demographic variables at the country level as well as for specific sectors of the population. Informative Bulletins N° 15 and 16 in Spanish and N° 3 and 4 in English were published during the semester.

Demonstrative Study of the System for Service Statistics in Family Planning in the Province of Alajuela (Costa Rica). During the report period, data collection was concluded for the two stages of the projects, the prospective research corresponding to women who entered the programme between 19 May and 31 December 1972 and the retrospective study which covers information on all women who entered the programme since its inception in 1968. Informative Bulletins N° 4 and 5 were published and special tabulations were prepared and delivered to the national authorities interested in the project.

Analysis of results of PECFAL-RURAL. At the request of the Costa Rican National Statistical Office a study was carried out, with the Sub-Centre's collaboration, on the awareness of the possibility of planning the family, attitudes towards a small size family planning, using for this purpose the information obtained through the rural fertility survey carried out in Costa Rica during 1969. A first draft of the reports has already been prepared on the subject.

Evaluation, adjustment and revision of population estimates. The necessary studies were carried out to undertake the revision of population projections by sex and age until the year 2000 corresponding to the Dominican Republic and Nicaragua, using the results of the last populations censuses.

Survey on Immigration and Human Resources to the Metropolitan Area of San Jose. During the semester under report, the Sub-Centre rendered assistance in the formulation of the theoretical framework, the specification of the variables necessary to test the hypotheses and in the preparation of the preliminary questionnaires.

Panama Demographic Survey (EDEP). The National Statistical Office of Panama, with CELADE's collaboration, initiated the necessary studies for the planning and organization of a demographic survey similar to the one

undertaken in Honduras. The Sub-Centre collaborated in the preparation of the project of request for financial support submitted to UNFPA by the Government of Panama. During the semester under report a training programme was carried out, devoted to personnel from the Statistical Office who will be in charge of conducting and supervising the survey.

National Population and Housing Censuses. Sub-Centre staff participated in the development of the Training Course for Regional Heads in charge of the Population and Housing Censuses, organized by the National Statistical Office of Guatemala with the purpose of training the above mentioned personnel for the taking of the census in March 1973. At the request of the Costa Rican National Statistical Office, the Sub-Centre collaborated in the preparation of the request for financial support submitted by the Government to UNFPA in connection with the population and housing censuses.

OTHER ACTIVITIES

Sub-Centre members have participated in the following conferences, seminars and technical meetings:

- Seminar on Service Statistics in Family Planning, organized by IPPF-CELADE, held in Santiago from November 18 to 14, 1972.
- Seminar on Migrations, organized by CELADE in collaboration with CLACSO's Commission on Population and Development, held in Santiago, Chile, from 11 to 13 December 1972.

PUBLICATIONS

The following publications were circulated:

Ortega, A., "Cálculo diferencial e integral con aplicación a la demografía".

Macció, G., "Naturaleza, métodos y relaciones de la demografía".

Bourgeois, Pichat, J., "Los factores de la fecundidad no dirigida".

Kingsley, D., "La sociología del comportamiento demográfico".

"Boletines Informativos de la Encuesta Demográfica Nacional de Honduras (EDENH)", N^os. 15 and 16 in Spanish; N^os. 3 and 4 in English.

"Boletines Informativos del Proyecto Demostrativo de Estadísticas de Servicio en Planificación Familiar en Costa Rica", N^os 2, 3 and 4.