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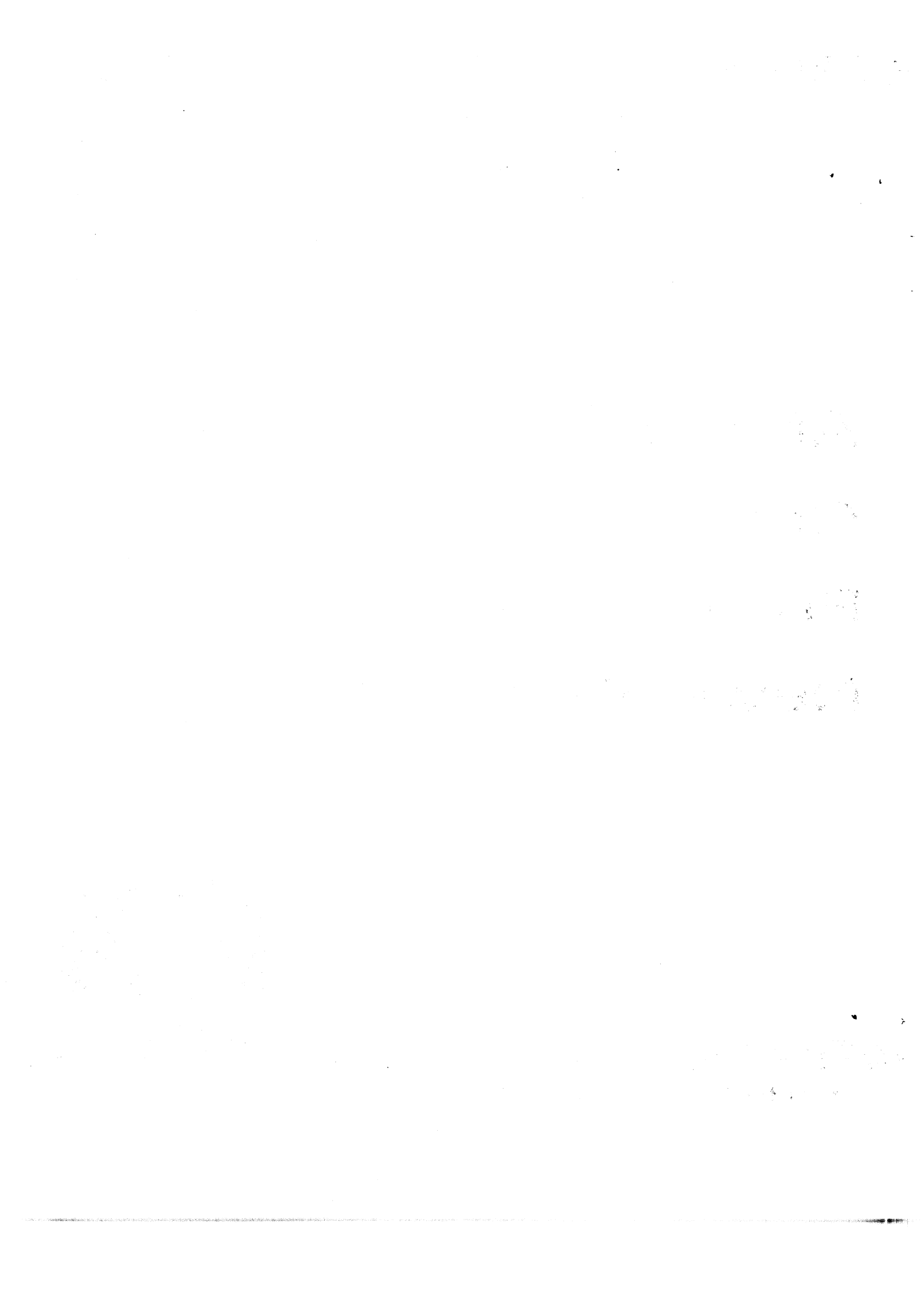
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African
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AFRICAN CENSUS PROGRAMME NEWSLETTER

NO. 13

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EDITOR'S NOTE

This is likely to be the last issue of this newsletter. First published in March 1971, the African Census Programme newsletter has been the principal source of information on the status of the programme for many people in the region and outside it. Periodic reports on the status of the census projects in a number of African countries have been presented as well as up-to-date news on the assignment of UN country experts. The readership of the newsletter has covered persons in the United Nations system who need to familiarize themselves with the ACP as well as government officials and demographers and statisticians in and outside Africa.

The decision to discontinue the newsletter is being taken in view of the fact that the African Census Programme in its present form comes to an end on 31 December 1977. However, its work is expected to be continued by a team of regional advisers attached to the Statistics Division of ECA. News on African censuses and demographic surveys will be contained in the Statistical Newsletter, which is issued periodically by the Statistics Division.

We wish to take this opportunity to thank all our readers for their continued support during the period when the newsletter was published. We hope that the service that we have rendered for the past few years will continue to be rendered by the Statistical Newsletter.

I. CENSUSES UNDERTAKEN

The following ECA Member countries which are not included in the original list of the 22 African Census Programme countries, took their census in the reporting period:

A. EGYPT

The Arab Republic of Egypt conducted a census of its population in November 1976. This was the eighth population census to be taken since the beginning of the century, and was the third of a modern census series in the country.

The topics investigated were:

Household Characteristics

1. Residence status
 2. Name
 3. Sex
 4. Relationship to head of household
 5. Religion
 6. Nationality
 7. Year of birth
 8. Age (in complete years)
 9. Place of birth
 10. Duration of residence in the present town or village (in complete years)
 11. Place of previous residence
 12. Cause of change
 13. Marital status
 14. Age at first marriage
 15. Number of present wives
 - 15A. Duration of married life (in complete years)
 16. Number of children born alive
 17. Children living
 18. Educational attainment or the highest certificate obtained of the present or last husband
 19. Educational attainment or highest certificate obtained
 20. School attendance
 21. Employment status
 22. Place of work
 - Name of establishment
 - Sector
 - Present industry
 23. Principal occupation
 - Present occupation
 - Duration of present occupation (in complete years)
 24. Place of work or study
 25. Means of transport to place of work or study
 26. Visible disabilities
-) For persons at marriageable age
-) For married, divorced, widowed women
-) For persons 10 years old and over
-) For persons 6 years old and above.
-) For persons 15 years old and above.

Housing Characteristics

27. Nature of occupancy
28. Number of rooms occupied by the household
29. Toilet facilities
30. Dwelling utilization
31. Water supply
32. Kitchen facilities
33. Type of dwelling
34. Rent for the last month
35. Lighting
36. Bathing facilities

The census data collected is being processed. The preliminary census results have since been released. According to these results, the resident population of the country on the date of enumeration was 38,228,180 and the population present on that date was 36,656,180. Thus the annual rate of the population growth during the intercensal period 1966-1976 was 2.31% as compared to 2.54% in the previous period.

B. ALGERIA

The Popular Democratic Republic of Algeria took a complete census of its population and housing in February 1977. The topics which were investigated in this census included the following:

SEDENTARY POPULATION

Household Characteristics

1. Name
2. Relationship to head of household
3. Sex
4. Date of birth
5. Place of birth
6. Marital status
7. Residence status
8. Migration
9. Nationality
10. Language(s) known
11. School attendance
12. Educational attainment
13. Personal status (whether employed, unemployed, student, retired, infirm, etc.)
14. Previous employment
15. Duration of employment
16. Main profession
17. Qualification
18. Status (as employer, employee, etc.)
19. Occupation
20. Industry
21. Place of work
22. Sector of industry (administrative, public, private, co-operative, etc.)
23. Financial help

Housing Characteristics

24. Type of construction
25. Materials of walls and roof
26. Number of rooms
27. Utility
28. Inner courtyard
29. Kitchen facilities
30. Toilet facilities
31. Source of water supply
32. Lighting
33. Type of occupancy
34. Cooking gas
35. Tenure

NOMADIC AND SEMI-NOMADIC POPULATIONS:

Household Characteristics

1. Name
 2. Relationship to head of family
 3. Sex
 4. Date of birth
 5. Place of birth
 6. Marital status
 7. Residence status
 8. Migration
 9. Nationality
 10. Civil registration
 11. Language(s) known
 12. School attendance
 13. Educational attainment
 14. Type of activity (whether employed, unemployed, student, home-maker, infirm, etc.)
 15. Previous employment (for unemployed persons)
 16. Main profession
 17. Status (employer, employee, etc.)
 18. Financial help
- } Activities during Achaba and Azzaba periods.

Movements

19. Summer migration
20. Means of movements
21. Winter movements
22. Means of movements

Other topics

23. Number of tents belonging to household
24. Source of water supply
25. Type of fuel
26. Type of livestock and their number

30,000 enumerators, 6,000 controllers and 4,000 delegués communaux were employed in the census operation. A post-enumeration survey based on approximately 250 enumeration districts (or 1 per cent of the estimated total population of 17 million) had been planned for about the middle of March 1977, to check coverage and to enable the Statistics Office to indicate the degree of reliability which should be attached to the census figure.

The Government Statistical Office is now busy with the processing of the census data. The provisional census results are expected to be out shortly.

II. MAURITANIA COMPLETES CENSUS FIELD ENUMERATION

The Islamic Republic of Mauritania which started the enumeration of both its sedentary and nomadic populations in December 1976, was able to complete this enumeration by the end of April 1977.

The Mauritanian Government has announced the preliminary results of the Census as follows:

Region	Sedentary Population	Nomadic Population	
		Resident	non-resident
01 Nema	74,110	81,000	59,000
02 Aioun	62,262	51,000	21,000
03 Kiffa	89,192	45,000	8,000
04 Kaedi	139,680	22,000	-
05 Aleg	104,915	54,000	-
06 Rosso	121,460	95,000	1,000
07 Atar	48,071	22,000	-
08 Nouadhibou	24,385	3,000	-
09 Tidjikja	32,513	42,000	-
10 Selibaby	72,545	13,000	7,000
11 F'Derik	22,610	2,000	-
12 Akjoujt	9,817	10,000	-
13 (T elGH)	11,886	3,000	-
00 (NKC)	134,986	-	-
Total	941,832	443,000	96,000 = 1,480,832

The estimate of the nomadic population is based on the list of collectivities and not the result of the sample survey conducted as part of the Census. The provisional population of Nouakchott, the Capital of Mauritania, is 134,986. The 96,000 non-resident nomads are transhumants between Mauritania and its neighbours, mainly Mali.

The Government Statistical Office is now busy with processing of the data collected in the census enumeration.

III. INVENTORY OF NATIONAL CENSUSES OF POPULATION
TAKEN OR PLANNED BY ECA MEMBER STATES: 1966-1978

<u>1966</u>		<u>1974</u>	
April	Algeria Lesotho	February	Congo Liberia
May	Egypt Swaziland Tunisia	December	Sierra Leone
August	Malawi	<u>1975</u>	Madagascar Somalia
September	Comoros	February	Ivory Coast
<u>1967</u>		April	Tunisia
August	Tanzania	May	C.A. Empire Upper Volta
		December	
<u>1969</u>		<u>1976</u>	
August	Kenya Uganda Zambia	April	Cameroon Lesotho Senegal
<u>1970</u>		August	Swaziland
January	Gabon	November	Egypt
March	Ghana Togo	December	Mali Mauritania
September	Sao Tome & Principe		
December	Angola Cape Verde Guinea-Bissau Mozambique	<u>1977</u>	
		February	Algeria
<u>1971</u>		September	Malawi
May	Seychelles	November	Niger
July	Equatorial Guinea Morocco	<u>1978</u>	
August	Botswana	March	Benin
		August	Burundi Rwanda Sao Tome & Principe
<u>1972</u>		December	Guinea-Bissau
June	Mauritius		Tanzania Zaire
December	Guinea		
<u>1973</u>			
April	Gambia Sudan		
July	Libya		
November	Nigeria		

IV. ACP COUNTRIES STATUS REPORT

The present position of the census projects in the following 22 participating countries of the United Nations African Census Programme, as is known to us in ECA, is indicated against each country:

<u>Sub-region and Country</u>	<u>Date of Census Enumeration</u>	<u>Present Position</u>
NORTH AFRICA		
Libya	July 1973	Preliminary results released. Tabulations completed. Final report under preparation. Detailed analytical work in process.
Sudan	April 1973	All the ten province reports have been published. The four volumes of the Sudan Census Final Report - Vol.I: Socio-economic Characteristics, Vol.II: Population Dynamics - Fertility and Mortality, Vol.III: Characteristics of Nomadic Population, and Vol.IV: Part 1: Housing Characteristics and Part 2: Socio-economic Characteristics of Urban Areas are under preparation.
WEST AFRICA		
Benin	March 1973	Preparations underway. Pilot census taken in April 1977.
Gambia	April 1973	Census data processing completed. Report on Statistics for Settlements and Enumeration Areas Vol.I: Population, and Vol.II: Housing, published. Analytical Report is under preparation.
Ivory Coast	April 1973	Preliminary census results released. Census data processing underway. The volume "Repertoire des localites et population de Côte d'Ivoire" reported to have been published in August 1976. Detailed tables in respect of two out of 26 departments now completed.
Liberia	February 1974	Census data processing well underway. Provisional Census Report Bulletin No.1 containing provisional population totals and demographic indices and Population Bulletin No.2 showing the final population

<u>Sub-region and Country</u>	<u>Date of Census Enumeration</u>	<u>Present Position</u>
WEST AFRICA		
Liberia (Cont'd)		totals and related percentages with some salient demographic characteristic published. The computer printouts of most of the census tables are ready but publication will take some time.
Mali	December 1976	Provisional census results published. Data collected is being processed.
Mauritania	December 1976	Census enumeration of the entire population completed. Provisional total population figure announced by Government. Data processing is underway.
Niger	May & July 1977 (Nomadic population in northern areas)	Preparations are well in hand. Pilot census taken in January 1977. Prospects for the census are fair.
	November 1977 (Sedentary population and rest of the nomadic population)	
Nigeria	November 1973	Census results cancelled.
Senegal	April 1976	Provisional census results released. Census data processing underway.
Sierra Leone	December 1974	Provisional total population figure released. Census tabulation programme is in hand. Delays due to hardware problems.
Upper Volta	December 1975	Provisional total population figure released. Census data processing underway, with direct assistance from France and the United States, in the installation of COCENTS, one of the census software packages. Some preliminary analysis of migration data completed.
CENTRAL AFRICA		
Burundi	August 1978	Project approved. Census expert under recruitment.

<u>Sub-region and Country</u>	<u>Date of Census Enumeration</u>	<u>Present Position</u>
CENTRAL AFRICA (Cont'd)		
Cameroon	April 1976	Census data processing in progress, expected to be completed in October 1977.
Central African Empire	December 1975	Census data processing underway. Coding and verification operations completed.
Chad	?	Census date uncertain due to factors beyond the control of the statistical authorities.
Congo	February 1974	Data analysis in progress. Reports published. - Commune de Brazzaville, Résultats définitifs, 1975 - Vol.XIV. Population de Localites, Février 1974.
EAST AFRICA		
Ethiopia	?	Cartographic preparations completed in most urban areas and also rural areas of one province. Field cartographic work now suspended due to factors beyond the control of the statistical authorities.
Madagascar	February 1975	Tabulation of census data well underway. Census results are expected to be published shortly.
Mauritius	June 1972	Final Census Report published. Some demographic analysis completed.
Somalia	February 1975	After a period of uncertainty, Govt. has now reactivated the processing of census data, which they had suspended for some time.

V. AFRICA REGION MAKES HEADWAY WITH 1980-ROUND
OF THE WORLD POPULATION CENSUS PROGRAMME

The present status of the 1980-round of censuses in the ECA Member countries, as is known to ECA, is shown below:

<u>Sub-region and Country</u>	<u>Proposed date of Census Enumeration</u>	<u>Present Status</u>
NORTH AFRICA		
Algeria	February 1977	Census field enumeration work completed. Data processing in progress.
Egypt	November 1976	Census taken. Preliminary census results released.
Libya		According to its announced pattern of census-taking, Libya will take the next population census in 1980. Government's confirmation to this effect is not yet available.
Morocco	1980	No other information available.
Sudan	1980	No other information available.
Tunisia	May 1975	Census report on population by administrative divisions published. Analysis of census data in process.
WEST AFRICA		
Benin		Still to take a population census in the 1970-round of censuses, which is planned for March 1978.
Cape Verde	July 1978	Project formulated. Project document submitted to UN Headquarters for further action.
Gambia		No information yet.
Ghana	March 1980	Project to be formulated by beginning of September 1977.
Guinea	December 1978	Project formulated and submitted to UNFPA.

<u>Sub-region and Country</u>	<u>Proposed date of Census Enumeration</u>	<u>Present Status</u>
WEST AFRICA (Cont'd)		
Guinea-Bissau	December 1978	Project formulated. Project assistance request with UN Headquarters for examination. The Government, on its part, has started making necessary census preparations.
Ivory Coast		Since the final report on its 1978 Population Census has not so far been published, it is too early yet to expect the Government to take a decision on the next census.
Liberia		Final 1974 Census Report is under preparation. No steps have yet been taken by Government for the next population census.
Mali		Census organization is presently busy with the processing of 1976 Census data. Too early for Govt. to determine the next census date.
Mauritania		Same remarks as against Mali.
Niger		Country is at present engaged in carrying out its population census in the 1978-round.
Nigeria		No information on the next population census is available.
Senegal		Statistical authorities are busy with the preparation of 1976 Census Report. Too early yet for considering next census.
Sierra Leone		No information yet.
Togo		Based on its announced pattern of census-taking, it is presumed that Togo will conduct its next population census in 1980. However, no official confirmation is available.
Upper Volta		So far, no plans for the next census.

<u>Sub-region and Country</u>	<u>Proposed date of Census Enumeration</u>	<u>Present Status</u>
CENTRAL AFRICA		
Angola		No information available.
Burundi		Has not yet completed its population census in the 1970-round, which is fixed for August 1978.
Cameroon		Government has not announced any plans for the next census.
Central African Empire		Not known.
Chad		Population census in the 1970-round not taken up till now.
Congo		No Government declaration so far.
Equatorial Guinea		No information available.
Gabon		Project formulated at the request of the Government, but no final government decision taken.
Sao Tome & Principe	August 1978	Project formulated at the request of the Government. UNFPA approval awaited.
Zaire	1978	Feasibility and assistance needed under study by UN Headquarters. For purpose of this study, a UN consultant Mr. B. Gil has been appointed to Zaire.
EAST AFRICA		
Comoros		No information yet.
Ethiopia		It has still to take its population census in the 1970-round.
Kenya	August 1979	Preparations underway. A UN cartographic expert is under recruitment.

<u>Sub-region and Country</u>	<u>Proposed date of Census Enumeration</u>	<u>Present Status</u>
EAST AFRICA (Cont'd)		
Madagascar		Government's intentions are not known.
Malawi	September 1977	Preparations well in hand. Prospects good for September 1977 census enumeration.
Mauritius		It will carry out its next population census in 1982 (after an interval of ten years), as per its established practice.
Mozambique		No information.
Rwanda	August 1978	Project formulated. Project assistance request under examination in UN Headquarters. A pilot census scheduled for December 1977.
Seychelles		No Government announcement.
Somalia		Too early to consider plans for next census.
Tanzania	1978	Preparations underway.
Uganda	1979	Preparations underway. Project document to be formulated soon.
Zambia	August 1979	Project reformulated. Project proposal is still awaiting approval by UNFPA.
SOUTHERN AFRICA		
Botswana	1981	No other information available.
Lesotho	April 1976	Census taken. Processing of data in progress.
Swaziland	August 1976	The census tabulation work is progressing well. Final census tables are almost ready.

VI. WORLD FERTILITY SURVEY

The Governing Council of the United Nations Fund for Population Activities (UNFPA), at its plenary meeting on 1 February 1977 approved the World Fertility Survey Programme for a further period of five years. The World Fertility Survey Programme initiated in 1972 had completed its first five year programme by mid-1977.

It may be recalled that the World Fertility Survey (WFS) is an international population research programme being carried out by the International Statistical Institute (ISI) in co-operation with the International Union for the Scientific Study of Population (IUSSP). The funds for the programme are supplied mainly by the UNFPA. Liaison officers for the WFS programme are located in the United Nations Headquarters, New York, and at the Economic Commissions for Latin America (ECLA) and Asia and the Pacific (ESCAP). For the Africa region liaison work in connection with the programme is done by the staff of the African Census Programme.

It may be recalled that the main objectives of the WFS are:

- (a) To assist individual countries, to acquire scientific information for ascertaining and interpreting their fertility levels;
- (b) To improve the local expertise and capacity for demographic research in the developing countries; and
- (c) To provide internationally comparable data.

So far, pilot surveys have been done in Zaire and Ghana, and plans for actual surveys are well advanced in Cameroon, Kenya and Lesotho. Plans have also been formulated for Ghana, Tunisia and Sudan. A number of African countries including Egypt, Ivory Coast, Senegal, Sierra Leone and Zambia have expressed interest in the programme.

All African countries who wish to participate in the programme and have not already indicated this should contact:

The Project Officer
African Census Programme
Economic Commission for Africa
P.O. Box 3005
Addis Ababa, Ethiopia

or write directly to:

Sir Maurice Kendall
WFS Project Director
35-37 Grosvenor Gardens
London SW1W 0BS
United Kingdom

VII. MISSIONS UNDERTAKEN BY ACP REGIONAL ADVISORY TEAM

Mr. K.T. de Graft-Johnson, Project Officer, undertook missions to Kenya (February) to assist the Kenya Statistical Office in revising their draft census project document and to make proposals on its plans for census follow-up activities; Somalia (February) to participate in a tripartite review of the 1975 Somalia census project. This joint mission by the Project Officer and Mr. L.A.W. Harding of the UN Statistical Office in New York resulted in revival of the census data processing which had been suspended for some time; Algeria (February/March) to ascertain the progress made in the Algerian census project and also to discuss with the relevant authorities future plans; Tunisia (March) to evaluate the 1975 Tunisian census project; Ghana (March) to discuss the Nigeria Federal Capital City (ABUJA) Project with the Project Director in Accra; Nigeria (April) to assist the Nigerian Government in the organization of the demographic surveys which had been commissioned, and also to discuss with various organizations the World Fertility Survey Programme there; Ivory Coast (June) to participate in an evaluation and tripartite review meeting on the 1975 Ivory Coast population census project.

Mr. A.K. Laitra, Regional Sampling Adviser, went on missions to Cameroon (January/February) to advise the Central Statistical Office on the census post-enumeration survey analysis, and to discuss the household survey programme; Algeria (May) to assist the Algerian Government in the post-enumeration survey programme in connection with the 1977 Census and also to advise the Statistical Office with respect to the household survey programmes; Sudan (May) to assist the Sudan Government Statistical Office in the programme of calculating the standard errors of the estimates obtained in the census (sample data), and also to advise them on the household survey programme; Ivory Coast (June) to assist the CSO in drawing demographic sample survey frame and to classify methodology for processing of 10% population census results. Also, to attend an evaluation and tripartite review meeting on the 1975 Ivory Coast population census project; Mali (June) to assist the government in planning of a demographic survey; Sudan (July) to assist the Sudan Government Department of Statistics in household surveys programme, and to participate in the First Statistics Conference of the Sudan held in Khartoum, Sudan, 21-28 July 1977

Mr. M.E.Ledjri, Regional Demographic Statistics Adviser, carried out missions to Cape Verde (February) to assist the Government in the preparation of the census project assistance request for submission to the United Nations Fund for Population Activities (UNFPA); Mali (February/March) to assist the Mali Census Office in the conduct of the census and in the preparation of relevant documents; Gabon (May) to assist the Government in the preparation of project document for the population census of the country; Sao Tome & Principe (May) to assist the Government in starting preparatory work for the population census, which included the preparation of a revised time-table as well as formulating the draft of the necessary census legislation; Guinea (June) to review the census project document of Guinea, on the basis of the comments received from the UNFPA.

Mr. W. Raible, Regional Data Processing Adviser, visited Swaziland (May-July) to assist the Census Office in processing the 1976 census data.

VIII. OTHER IMPORTANT ENGAGEMENTS

The Project Officer, Mr. K.T. de Graft-Johnson attended the Experts' Committee Meeting on Co-ordination and Implementation of Analysis of World Fertility Survey Data in London, U.K., 25-29 January 1977; and the Sub-Committee Meeting of the Organizing Committee for the 1977 International Union for the Scientific Study of Population (IUSSP) General Conference in Brussels, Belgium, 24-25 February 1977. He was also invited to deliver a series of lectures on the concepts, definitions and classifications relating to topics which should be included in household surveys in developing countries at the Centre for Advanced Training in Applied Statistics for Developing Countries, Munich, Federal Republic of Germany, 14-19 March, 1977.

The Regional Sampling Adviser, Mr. A.K. Maitra gave a series of lectures on sampling techniques at the Institut de Formation Statistique (IFS), Yaoundé, Cameroon, 24 January - 5 February 1977.

IX. VISITORS TO THE ACP REGIONAL HEADQUARTERS

Mr. B. Gil, who has been appointed as a short-term UN consultant to the Government of Zaïre to assist them in formulating a project on the forthcoming population census, visited the African Census Programme regional Office in Addis Ababa and the ECA Statistics Division on 6 and 7 June 1977 for consultations and briefing on his way to Kinshasa, Zaïre, to take up his new assignment. He also took this opportunity to look into the relevant files and documents available in the Office.

It may be recalled that prior to his present assignment, Mr. Gil served the United Nations for a good number of years in various capacities in the region.

Mr. K.M.A. Barnett, UN population census expert attached to the population census project in Malawi, paid a visit to the ACP regional office in Addis Ababa on 23-24 June 1977 for consultations with the Project Officer and the subject-specialists on the regional staff.

It is sad to learn that Mr. Barnett lost his dear wife recently. The ECA Statistics Division and the African Census Programme extend their condolences to him, his children, and to other bereaved relatives and friends.

X. STAFF MEMO

Arrivals

Mr. W. Raible (Federal Republic of Germany) joined the African Census Programme advisory team as the Regional Adviser on Data Processing in March 1977 at ECA Headquarters in Addis Ababa.

Mr. W. Joseph (Liberia), who was formerly UN general census expert in Cameroon, has been transferred to the Office of the Union Douanière et Economique de l'Afrique Centrale (UDEAC) as Chief of the Bureau Technique Regional in Bangui, Central African Empire, in January 1977.

Mr. M. Mehani (Algeria), arrived in Abidjan, Ivory Coast, in January 1977 to take up his assignment as the UN demographic analyst for the census project.

Mr. R.H. Rotach (Switzerland), who was formerly a population census consultant attached to the Niger Census project, has assumed the full-fledged role of the population census adviser to the Government of Niger in place of Mr. J. Daenen who left the Programme on expiration of his contract.

Mr. M.H. Simonet (France), arrived in Bangui, Central African Empire, in April 1977 to take up his duties as the UN demographic analyst for the census project.

Mr. L. Naon (Uruguay), assumed his duties in May 1977 as the UN census cartographic expert attached to the population census project in Burundi.

Mr. H. Jomaa (Tunisia) joined the Guinea-Bissau census project in June 1977 as the UN census cartographic expert.

Departures

Mr. J. Daenen (Belgium), UN general census expert attached to the Government of Niger, left the Niger population census project in January 1977 on completion of his service contract with the United Nations. He served in Niger for about two years.

Mr. A. Gani (India), UN general census expert in Swaziland, ended his assignment with the Swaziland census project in April 1977.

Mr. B. Schoemakers (Belgium), UN general census expert (associate) attached to the Mauritania census project completed his assignment in May 1977. He served the Government of Mauritania for two years.

XI. UN COUNTRY POPULATION CENSUS EXPERTS IN AFRICA (as of 30 June 1977)

<u>Country</u>	<u>Name of Expert</u>	<u>Assignment</u>
Benin	I.M. Ferenbac (Romania)	Population census expert
	A.P. Pinganaud (France)	Census cartographer
Burundi	L. Naon (Uruguay)	Census cartographer
	A. Berciu (Romania)	Population census expert
Cameroon	A.L. Bekker (Netherlands)	Data processing expert
Central African Empire	E. Desert (Haiti)	Population census expert
	M.H. Simonet (France)	Demographic analyst
Chad	P. Franche (Philippines)	Population census expert
Guinea-Bissau	H. Jomaa (Tunisia)	Census cartographer
	A. Lindeberg (Sweden)	Population census expert (associate)

<u>Country</u>	<u>Name of Expert</u>	<u>Assignment</u>
Ivory Coast	M. Mehani (Algeria)	Demographic analyst
Liberia	G. K. Mehrotra (India)	Systems analyst
Libya	H. S. Choudhury (India) G. B. Saxena (India)	Senior statistician Demographic analyst
Malawi	K. M. Barnett (UK) R. Hare (UK) Maratha (India)	Population census expert Census cartographer Data processing expert
Mauritania	B. Ray (India)	Population census expert
Niger	R. H. Rotach (Switzerland)	Population census expert
Rwanda	J. Erimec (Yugoslavia)	Population census expert
Sierra Leone	G. Wood (UK)	Systems analyst
Somalia	O. Adegboyega (Nigeria) B. Georgsson (Sweden)	Population census expert Data processing expert
Sudan	B. M. Mahajan (India)	Demographic analyst
Zaire	B. Gil (Israel)	Population census consultant
<u>UDEAC</u>		
Bureau Technique Régional (BTR)	W. Joseph (Liberia)	Chief UN demographic statistics expert/Co-ordinator
	Guido Gonnings (Belgium)	Demographic statistics expert (Associate)

