Fertility Trends in Ceylon and the religious educations of the state of

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The Scope of the Study

"If a severe demographic crisis is to be averted, the small family pattern must evolve directly among the peasants, for Ceylon has neither the potentialities for industrialisation nor the long span of time that is essential if rural values and behaviour are to be altered as the result of a slow and halting process of diffusion from the cities. This is the problem of Ceylon, but it is also the problem of the great cultures of Asia's mainland, of Java, of Formosa and of the Philippines. And here, again, Ceylon can constitute a laboratory for all Asia if she so wills ... "so wrote Irene Taueber in 1949.1

For nearly a decade all that has been done in this direction has been the sustained and concerted action of a small group of men and women who have banded themselves to form the Family Planning Association of Ceylon with the main object of creating a new family pattern so that there will be fewer children where there are now too many and some where here are now none. So far their efforts have failed to make any appreciable impression. The increasing rate of increase of the population has made it clear that if social change is be wrought in areas which involve values that are sacred and attitudes towards life that re basic, the change must be attempted according to a program that has been evolved from entific research designed specifically to ascertain how best these values and attitudes can be manipulated.

The recognition of the need to identify the basic values and attitudes involved and. second, to indicate the lines along which family planning propaganda could be profitably conducted has led to the promotion of research studies in this sphere. At the express request of the Family Planning Association of Ceylon, a study has been planned which to identify the attitudes of the people to certain fundamental questions such as ecobetterment, improved living conditions and achievement orientation—questions are intimately connected with the problem of smaller family units. Economy of effort and finances demanded that the study be made on a sample basis and, consequently, the selection of the samples posed the first problem.

Occidental writers who have assumed the task of unravelling the mysteries of the East an all embracing manner have been wont to look upon the small island of Ceylon—barely menty five thousand square miles in all—not only as a homogeneous unit but also as one could be adequately dealt with in conjunction with the neighbouring subcontinent

L Irene Taueber : Ceylon as a Demographic Laboratory. Population Index. 15 (1949) 293-304,

of India. The more discerning students, however, have recognised that this little island far from being homogeneous is an extremely heterogenous one where the seemingly superficial impression of homogeneity had been created by an unfathomable spirit of tolerance that pervaded the entire social atmosphere until very recent times. From whatever angle the population of Ceylon is viewed, be it the ethnic, linguistic, religious, educational or economic characteristics, the island gives sustenance to a multitude of groups each of which has its own peculiar way of life which it jealously safeguards. It was, perhaps, the recognition of this fact that led Irene Taueber to contend "here much that is now speculative can be reduced to specific hypotheses and subjected to the rigid test of quantitative verification".²

The suitability of Ceylon as a demographic laboratory rests not only on the diversity that characterises its population but also the fact that the diverse groups have been concentrated in different parts of the island. The geographical isolation permits the treatment of these groups as discrete units which can be readily compared and contrasted. Yet, in the proposed study of the values and attitudes of the people, the selection of a sample on a random basis did not appear to be the best. As differential fertility was the subject around which the study revolved, it was deemed expedient to have this as the primary criterion for the selection of the samples: the ethnic, linguistic, religious, educational and economic characteristics utilised as variable factors. What would be ultimately studied, consequently, are the values and attitudes prevalent in different groups having different fertility patterns, but similar socio-economic characteristics, on the one hand, and the values and attitudes prevalent in different groups having similar fertility patterns but with different socio-economic characteristics, on the other.

It is evident that the selection of the samples whose values and attitudes were to be studied should have as its basis a study of the population of the island. This study must necessarily take into consideration the structure of the population and the changes that have occurred in this structure over a period of time. It, consequently, constitutes the first stage of the research program. This report contains the results of this preliminary study. Broadly speaking, it comprises an analysis of the population changes, the fertility patterns and the socio-economic conditions of the country since the beginning of this century.

PART II

The Data and Their Limitations

It is only in recent times that the importance and necessity of population statistics have been universally recognised. In the past such statistics were considered unnecessary in many countries. It is generally believed that only the most advanced countries have any population statistics worthy of that name. Demographers in these countries have studied the population from so many angles that the existence of adequate population data has been established. The so-called under-developed countries are believed to have no statistics at all, or, if it is conceded that they do possess some demographic data, they are considered to be grossly inadequate—the degree of inadequacy being inversely proportional to the development of the country. However, it has been found that the demographic

^{2.} ibid.

data available in these countries, as in the case of India,³ lend themselves readily to meaning-ful analysis in spite of the fact that they are not as complete as the demographer would wish them to be. The belief that demographic data do not exist in most countries stems more from the paucity of demographic studies than from a factual evaluation of the situation. In some instances, a wealth of statistical information exists though people are unaware of its existence and the belief that no demographic data exist persists until someone interested investigates and points out the error. Such appears to be the case with Ceylon. It is generally believed that there are no demographic data for Ceylon but as Irene Taueber points out, among the less widely known aspects of this country are its "manifold statistics that lie unused in volumes collecting dust in the libraries and government offices of the world".⁴ She goes even further and states "The prolific historical records and the incomparable analytical potentialities of the current censuses and vital records make Ceylon a true laboratory for demographic research." 5

The data for this study have been taken from the census reports and the reports of the Registrar General on vital statistics. The current series of censuses in Ceylon began in 1871—the result of the promulgation of the Census Ordinance No. 5 of 1868 which provided for the taking of a census from time to time when the Governor and the Executive Council deemed it necessary. This series was to be regular and decennial and consequently, censuses were taken in 1881, 1891, 1901, 1911 and 1921. In 1931, because of the depression and the adverse financial situation of the country, it was decided that the census should be a partial one. Accordingly, a census of the City of Colombo was taken and the population of the rest of the island estimated on the basis of the changes that were found to have occurred here. No census was taken in 1941 because of World War II, but immediately after the war a census was taken in 1946. The next census was taken in 1953 though it was hoped that the series of decennial censuses taken at the beginning of the lecade would be resumed in 1951. A census is being conducted in 1963.

The extent to which the processes of birth, death and migration go on in a country is a registration system designed to record the events as they occur. Some sort registration appears to have been practised in the early nineteenth century in Ceylon, the Ceylon Blue Book, published in the printed form first in 1862, gives a tabulation the annual population of the country from 1823. Legal recognition of the registration births and deaths was made in 1847 by enactment of the Registration of Marriages, and Deaths Ordinance No. 6 of 1847. Yet registration was incomplete and haphands are of amendments to the ordinance followed in the attempt to improve registration culminating in the Births and Deaths Registration Ordinance No. 1 of 1895 which the basis of the registration system prevailing in the country today. This Ordinance is since been amended and exists today in the consolidated and revised form as the latest and Deaths Registration Act No. 17 of 1951.

Census data and vital statistics in all countries are subject to the common errors of most enumeration, mis-statements of age and inaccuracies in the migration figures. A most estimate of the different errors involved is possible by a comparison of census mital statistics figures. Comparison of the intercensal change in the population with metal statistics figures and deaths (natural increase) and of immigration and emigration

Davis: The Population of India and Pakistan. (Princeton: Princeton University Press,

^{4.} Irene Taueber op. cit.

(migration difference) suggests where the errors may lie. In the balancing equations, the intercensal difference equals the natural increase obtained from the vital statistics plus the net migration factor. Discrepancies, when they are a deficit, suggest errors from census under-enumeration and when they are an excess, errors from under-registration of births.

Table 1 shows the intercensal increase, the natural increase, the migration difference, the discrepancy involved and the estimated under-registration of births during the intercensal years in the period 1901—1953. The observed difference in 1921 was less than what was to be expected from the vital data, suggesting an under-enumeration in the census of 1921. At the time of this census, there was a belief that there was considerable under-enumeration although Turnour, the then Superintendent of census, believed that any under-enumeration was negligible inasmuch as the census figure did not deviate significantly from a projection for 1921 based on earlier census figures.⁶

During the other intercensal periods the observed difference was greater than the expected difference. If we ignore the possibility of compensating errors or improvement in census enumeration, this suggests under-registration of births. On the assumption that there is no other error involved, under-registration has been estimated as 1·4% during the first decade of this century which has gradually been reduced to 0·1% during the period 1946—1953. It must be pointed out that these figures would be greater if errors in enumeration and death registration exist.

Similar information could be obtained by a comparison of particular age groups derived from registration statistics with the enumerated population in these groups. Thus by subtracting from the number of children born during the five years preceding the census, the number of deaths in this group, the number of "under fives" at the time of the census could be obtained, provided there was no in or out migration of this group. Discrepancy between the observed census figure and the expected one, if an excess, suggests a preponderance of errors from under-registration of births while it suggests a preponderance of errors from under-enumeration at the census if it is a deficit.

I ABLE 1
Intercensal Increase, Natural Increase and Migration Difference during the Intercensal Years in the Period 1900—1960.

1 Period	2 Intercensal Increase	3 Natural Increase	4. Migration Difference	5 Discrepancy (Column 2 minus total of Columns 3 and 4)	6 Estimated Under- Registration of Births
1901—1911 1911—1921 1921—1931 1931—1946 1946—1953	540,396 392,255 808,266 1,350,468 1,440,556	356,147 319,410 656,950 1,280,916 1,363,174	164,036 86,234 134,958 50,244 76,268	20,213 13,389 16,358 19,308 1,113	1.4% 0.8% 0.6% 0.1%

Source: Column 2 From Census Reports.

Column 3 From Administration Reports of Registrar General on Vital Statistics.

Column 4 From Administration Reports of Registrar General on Vital Statistics and Statistical Abstracts of Cevlon.

^{6.} L. J. B. Turnour: Report of the Census of Ceylon for 1921. (Colombo: Ceylon Government Press, 1923).

Table 2 shows these figures for the census years 1901, 1911, 1921, 1946 and 1953. In the years 1901, 1911 and 1921, the official census figure was higher than the expected figure, while in the years 1946 and 1953 the official census figure was less. This suggests under-registration of births at the beginning of the century and under-enumeration at the later censuses. Table 3 shows the expected and observed population 1—5 years by one year age groups at the census of 1953. In some age groups such as "3 years and 4" and the "4 years and under 5" the observed number is much greater than the expected while in the other age groups the position is reversed. The lack of consistency suggests that the discrepancy is due to a mis-statement of age rather than to under-enumeration especially as consideration of the total population reveals no strong evidence of under-enumeration.

A third evaluation of the data is based on a comparison of the fate of one age group through different censuses. The over sixty fives in the 1946 census, for example, would have been in the category 40 years and over in the 1921 census, 30 years and over in the 1911 census, and 20 years and over in the 1901 census. The difference in the census figures must be due to deaths and migration in that group. If the census figure was greater than that calculated from the previous census figure by deducting the number of deaths in the intercensal period, the difference could be explained by immigration but a smaller census figure is evidence of under-enumeration, especially if immigration outweighed emigration.

TABLE II

Expected Number of "Under Fives" at Census and Official Census Figures 1900—1960.

1	2	3	4	5	6
	Births	Deaths	Expected Number	Official	Discrepancy
Census	Preceding	in the	of "Under Fives"	Census	(Column 5
Year	Five Years	Group	(Column 2 minus	Figure	minus
		A tree to a com-	Column 3)	listics.;	Column 4)
1901	659,032	161,642	497,390	638,776	141,385
1911	757,959	202,751	555,208	607,975	52,767
1921	876,398	243,817	632,581	643,469	10,900
1946	1.161.069	213,360	947,709	861,439	86,270*
1953	1,510,715	187,707	1,323,008	1,208,829	114,179*

Source: Registrar General's Reports.

Table III To express the transfer of the Total Persons 1—5 Years, Expected and Observed a the 1953 Census by One Year Age Groups.

	201222	3	4
Age Group	Expected Numbers	Observed Number	Discrepancy (Column 3— Column 2)
Umder 1 year	288,949	261,800	-27,149
I West and Under 2 Years	281,686	193,537	-88,149
Twees and Under 3 Years	268,972	247,900	-21,072
3 Years and Under 4 Years	250,305	261,828	+11,523
# Wears and Under 5 Years	241,771	243,764	+1,993

Column 2 Registrar General's Report.

The expected figure is greater than the official ceasus figure.

Table 4 shows the fate of the over 20 years age group in 1901 through 1946. The 1911 census showed this group to be greater than that expected if migration had played no part. A similar situation obtained at the 1946 census. At the 1921 census, however, the official census figure was much lower than the expected, suggesting an under-enumeration of a minimum of $5 \cdot 4\%$.

TABLE IV

Counts through 1946 of Persons Over Twenty at 1901 Census.

No. Over Twenty at 1901 Census Registered Deaths from the group 1901—1911 Expected No. Over Thirty at 1911 Census No. Over Thirty at the 1911 Census Excess at 1911 Census		1,674,098 441,127 1,232,971 1,293,980 60,009
Registered deaths from the group 1911—1921 Expected No. Over Forty at the 1921 Census No. Over Forty at the 1921 Census Deficit at 1921 Census		417,341 876,639 829,231 47,408
Registered Deaths from the group 1921—1946 Expected Over Sixty Fives at the 1946 Census Over Sixty Fives at the 1946 Census Excess at 1964 Census		733,285 95,946 229,498 87,252
Migration Difference 1901—1911 Migration Difference 1911—1921 Migration Difference 1921—1946	+++++	178,000* 80,000* 209,000*

^{*} Migration Difference is for all age groups. A positive difference denotes an inward excess.

The following conclusions are suggested by this analysis with regard to census data and vital statistics:

- (a) there was an under-registration of births at the beginning of the century to the extent of about 1.5%. This appears to have decreased gradually to a current level of about 0.1%.
 - (b) there was an under-enumeration at the census of 1921 of at least 5.4%; and
- (c) there has been a mis-statement of age at the censuses. Although we have discussed only the age group 0 to 4, examination of counts by single years of age gives prima facie evidence of age mis-statement.
- (d) Other possibilities are errors both in census and vital data, and different degrees of error in each at different periods of time.

PART III

The Growth and Distribution of the Population

Regular and comprehensive censuses taken in Ceylon since 1871 give us a more or less complete picture of the changes that have occurred in the population. These census figures are presented in Table 5. At the first census, taken in 1871, the population of the country was found to be 2,400,380 while at the last census taken in 1953, it was 8,097,895—an increase of 237.37%. Lack of comparable data precludes an international comparison

of the changes in population over the entire period 1871—1953. Table 7 shows the population of 16 countries around the year 1870 and again around the year 1950. These figures indicate the rate of change of Ceylon's population has been high when compared with the European countries but when the comparison is with the other countries the rate change cannot be considered either high or low. It may be, consequently, concluded that the growth of Ceylon's population was normal especially when the location of the country is taken into consideration. It must, however, be pointed out that in neighbouring India and Pakistan, the population increased only 39% during a period (1891—1941) when it increased in Ceylon by 100.6%.

Table V

Enumerated Population of Ceylon 1871—1953

	Census	Population	Increase
	1871	2,400,380	1
	1881	2,759,738	359,358
	1891	3,000,789	241,051
	1901	3,656,954	656,165
	1911	4,106,350	449,396
	1921	4,498,605	392,255
A Maria Control Contro	1946	6,657,339	2,158,734
A	1953	8,097,895	1,440,556

Source: Census Reports.

See also Statistical Abstract of Ceylon 1960 Table 8.

TABLE VI

Estimated Midyear Population of Ceylon 1900—1960

Year	Population	Year	Population	Year	Population
1900	3,559,866	1920	4,485,904 (<i>b</i>)	1941	6,020,000
1901	3,582,697	1921	4,504,837	1942	6,021,000
1902	3,629,986	1922	4,561,474	1943	6,134,000
1903	3,703,615	1923	4,643,761	1944	6,276,000
1904	3,767,826	1924	4,791,099	1945	6,496,000
1905	3,901,471	1925	4,926,607	1946	6,695,000
1906	3,968,541	1926	5,047,632	1947	6,879,000
1907	3,671,340	1927	5,203,238	1948	7,086,000
1908	4,008,742	1928	5,334,370	1949	7,297,000
1909	4,056,002	1929 1930 1931	5,430,026 5,253,210 (c) 5,325,254	1950 1951	7,544,000
1910 1911 1912 1913 1914	4,121,443 (a) 4,120,819 4,151,250 4,220,458 4,251,032	1932 1933 1934 1935	5,325,234 5,386,106 5,415,516 5,551,623 5,598,000	1952 1953 1954 1955	7,940,000 8,155,000 8,385,000 8,589,000
1915	4,355,015	1936	5,631,000	1956	8,929,000
1916	4,482,809	1937	5,712,000	1957	9,165,000
1917	4,589,635	1938	5,810,000	1958	9,389,000
1918	4,677,258	1939	5,897,000	1959	9,625,000
1919	4,724,034	1940	5,951,000	1960	9,896,000

Corrected after the 1911 Census. (b) Corrected after the 1921 Census. (c) Corrected after the 1931 Census.

Source: Administration Reports of the Registrar General on Vital Statistics.

These figures do not correspond exactly with those given in the Statistical Abstracts on later years. Corrections have presumably been made in the latter reports.

^{7.} A. G. Ranasinha: Census of Ceylon 1946 General Report. (Colombo. Ceylon Government Press,

Chart 1. Population of Ceylon 1871 - 1963

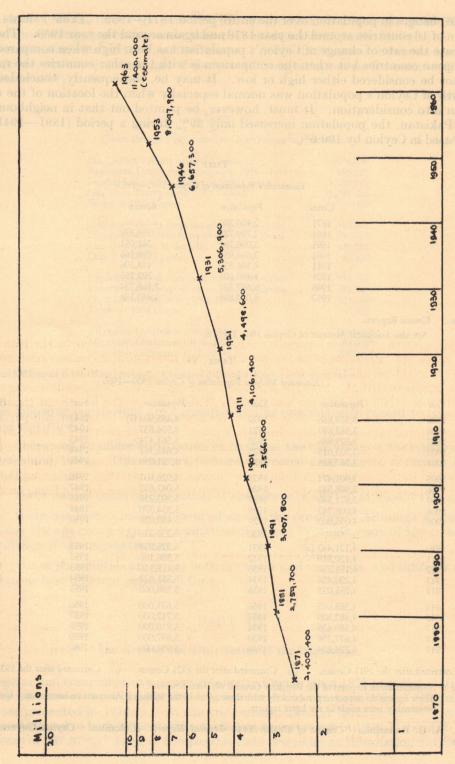


TABLE VII

Increase of Population in Selected Countries 1870—1950

		Popul	ation at	Percentage
Country	Period	Beginning	End	Increase
BANK MAKE AND MAKE THE TRACK		of I	Period	
Canada	1871—1951	3,689,257	13,984,329	279.06
Cuba	1877—1953	1,521,684	5,807,057	281.69
U. S. A.	1870—1950	38,558,371	150,697,361	290.83
Puerto Rico	1877—1950	731,648	2,210,703	202,15
Brazil	1872—1950	10,112,061	51,976,357	414.00
Chile	1875—1952	2,075,971	5,900,809	185.69
Colombia	1870—1951	2,391,984	11,266,075	370.99
Italy	1871—1951	27,436,806	46,737,629	70.35
Norway	1875—1950	1,813,424	3,278,546	80.79
Portugal	1878—1950	4,550,699	8,441,312	85.50
Sweden	1870—1950	4,168,525	7,044,939	68.98
Switzerland	1870—1950	2,669,147	4,723,163	76,95
United Kingdom	1871—1951	27,431,474	50,211,826	83.04
New Zealand	1871—1951	254,928	1,939,472	660,80
Hawaii	1872—1950	56,897	499,794	778,45
Ceylon	1871—1953	2,400,380	8,097,895	237.37

Source: United Nations Demographic Yearbook. New York 1953.

The growth of Ceylon's population has not been uniform. During the period 1871—1921, when the decennial censuses were held, the intercensal increase varied from a low of 8.73% in the period 1881—1891 to a high of 21.87% in the period 1891—1901. During the 25 year period 1921—1946 the population increased by 47.99% while during the 7 year period 1946—1953 the increase was 21.64% (Table 8). As the lengths of the intercensal periods have varied from time to time, a more meaningful figure for comparison is the average annual rate of increase—shown in Table 9. The changes that have occurred during the period 1871—1953 represent an average annual increase of 14.8 per 1000 persons. When viewed in terms of the average annual rate of growth of the world's population during this period (estimated average annual rate of growth 6.9 per 1000)8 the growth of Ceylon's population has been considerable. It is so when the comparison is with India and Pakistan

Percentage Increase of Population during Intercensal Periods.

Original Census Ju	1881	1891	1901	Final Census 1911	1921	1946	1953
19571	14.97	25.01	52,35	71.07	87.41	177.35	237.36
19951		8.73	32.51	48.79	63.01	141.23	193,43
1990			0 142177	12.29	24.02	82.05	121.44
1991			21.87	36.84	49.91	121.85	169.86
2911		the depayment	to special s	ing manageral on	9.55	62.12	97.20
1921				en a la la la companion	hande had b	47.99	80.00
1346		-19691, 9110	A 20051 1866	- Viel Roomes	megraphic Y	National De	21.64
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Source: Based on data in Table 8.

Kingsley Davis: The World Demographic Transition. Annals of the American Academy of Political

where the average annual rate of growth was 6 per 1000.9 But in comparison with other Asian countries the rate for Ceylon is not exceptionally high. Japan's population increased by 15.3 per 1000 per annum during the period 1920—1940;10 the comparable figure for Cevlon is 15. The population of Burma, Malaya, Singapore, the Philippines, Taiwan, Thailand, and Korea has increased in the past World War II era at a rate well over 20 per 1000¹¹; the comparable Cevlon figure is 28.

TABLE IX Average Annual Percentage Increase of Population during Intercensal Periods.

Origina	de the				Final Census			
Census		1881	1891	1901	1911	1921	1946	1953
1871		1.4	1,2	1,4	1.3	1.3	1.4	1.5
1881	20 37		0.8	1.4	1.3	1.2	1.4	1.5
1891	10.68		80,M1;336	2.0	1.6	1.3	1.4	1.6
1901 1911			1,999(472	····BENGL	1.2	1.0	1.3	1.5
1921			20 7-1-1			0.2	1.6	1.8
1946								2.8

Based on the relationship Pt = Po ert.

Source: Based on data in Table 8.

Fluctuations in the rate of growth have been noticed in many countries, sometimes occasioned by war, and sometimes by changes in migration policy. In addition to these fluctuations, the average annual rate of growth has shown a discernible trend. In most European countries there has been a retardation in the rate of growth of the population. 12 In the Latin American countries 13 the trend has been one of accelerated growth. In Asia the growth appears to have started only in very recent times and that too in a vigorous form. 14 Although the position in Ceylon could be described as a fairly high rate of growth between 1871 and 1946, it is only since the end of the World War II that the high rate of growth has caused concern. Not only is the present rate of growth at an unprecedent high level but the larger population base results in large increases in absolute numbers.

Throughout history the population of no country has been uniformly distributed over its territorial limits. The people have been concentrated in certain parts of the land while other parts have remained more or less uninhabited. In the past, when man was dependent heavily on agriculture for his existence, the factors that controlled the distribution of the population were physical such as atmospheric temperature, rainfall, landform and the quality of the soil. Where nature was bountiful, people congregated, for here the burden of living was lighter and the struggle for existence less intense than in areas where nature

^{9.} Kingsley Davis: The Population of India and Pakistan, op. cit.

^{10.} I. B. Taueber and E. G. Beal: The Demographic Heritage of the Japanese Empire. Annals of the American Academy of Political and Social Science 237 (1945) 64—71.

^{11.} United Nations: Demographic Yearbook 1949—1950. (New York 1950).
12. F. W. Notestein, I. B. Taueber, D. Kirk and A. J. Coale, The Future Population of Europe and the Soviet Union.

^{13.} G. Mortara: A Riddle Solved. Brazil's Population Estadistica 1 (1943) 142-147.

United Nations: Determinants and Consequences of Population Trends (New York 1953) 14. United Nations: Determinants and Consequences of Population Trends, op. cit.

was less congenial. After the Industrial Revolution, however, man's direct dependence on physical factors was reduced. The availability of natural resources that could be exploited for industrial purposes began to play a predominant part, for now the stress was on manufacture rather than on agriculture and the adjutants to the former rather than to the later influenced the lives of men. With the passage of time, the march of technology and the diversification of economic activity considerably reduced the influence of factors such as climate, the quality of the soil and the availability of natural resources; cultural factors which influenced the people's view of the land and its uses played a more predominant part. Cultural factors, however, influence and are influenced by demographic factors. The increase in the population and the inability of the populated area to support the increased population leads to the search for new areas to live, new forms of economic activity, new techniques of production, new forms of social organisation and new objectives that society must attain.¹⁵

Ceylon is divided, for the purposes of administration, into nine provinces—Western, Central, Southern, Northern, Eastern, North Western, North Central, Uva and Sabarazamuwa. Each of these provinces is divided further into districts—23 in all.

These are in the

Western Province
— Colombo, Negombo and Kalutara.
— Kandy, Matale and Nuwara Eliya.
— Galle, Matara and Hambantota.
— Northern Province
— Batticaloa and Trincomalee.
— North Western Province
— Kurunegala, Chilaw and Puttalam

North Central Province — Anuradhapura and Polonnaruwa.

Province of Uva — Badulla and Monaragala.

Province of Uva — Badulla and Monaragala.

Province of Sabaragamuwa — Ratnapura and Kegalle.

Until recent times, Anuradhapura and Polonnaruwa constituted one single district—that for Anuradhapura—and so did Badulla and Monaragala—that of Badulla. As comparable statistics for the entire period are available only when these districts are considered in their different form, they will be so considered in this study. The Registrar-General, and the Superintendent of Census have presented most of their statistics combining the districts of Colombo and Negombo, sometimes under the single title of Colombo and sometimes under the combined title of Colombo and Negombo. In this study the same procedure will be adopted. These two districts will be treated as one (Map 1).

Table 10 shows population distribution over the island at various censuses between and 1960. Table 11 gives the population indexes based on 1901 = 100. At the turn the century we find that more than half of the country's population was concentrated the south western and central parts of the country which constitute less than one fourth total surface area. The most densely populated parts (Table 12 and Map 2) were the total surface area. Southern Provinces. Less densely populated but nevertheless than a sizeable population were the Northern and North Western Provinces and the

^{15.} ibid.

MAP OF CEYLON SHOWING THE PROVINCES AND DISTRICTS.

District Boundary

District Population at 1953 Census.

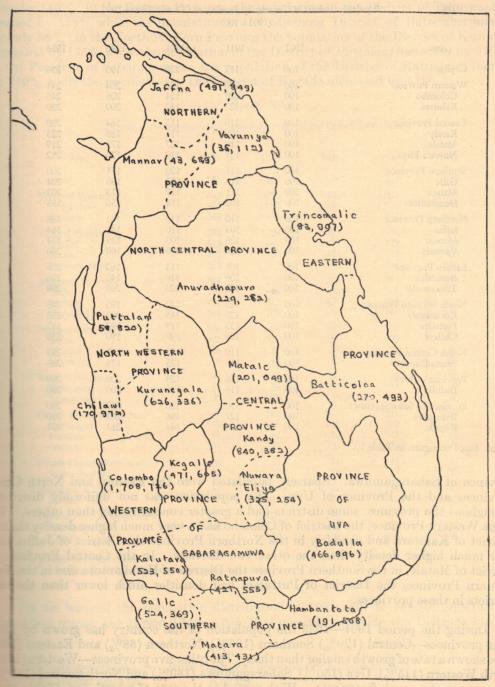
TABLE X

Numerical Distribution of the Population of Provinces and Districts at the Censuses 1900—1953

	(100.0)	(27.6) (21.1) (6.5)	(16.9) (10.4) (2.5) (4.0)	6.50	6.10	4.8.1.0.7. 4.8.1.0.7.0	5.8888.85	5.2)
1953	8,097,895	2,232,276 1,708,726 523,550	1,366,685 840,382 201,049	1,129,308 524,369 413,431	570,650 491,849 43,689	354,410 270,493 83,917 855,228 626,336	58,820 170,072 229,282 466,806 466,806	893,160 421,555 471,605
	(100.0)	(28.2)	(10.7)	. 4.4. . 6.9 . 5.3	6.5	(1.1) (10.0) (7.3)	6.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	5.2)
1946	6,657,339	1,876,904	1,135,290 711,449 155,720	961,418 459,785 351,947	479,672 424,788 31,538	279,112 203,186 75,926 667,889 485,042	43,083 139,764 139,534 139,534 373,238 373,238	745,382 343,620 401,762
	(100.0)	(27.7)	(16.9) (16.9) (1.6) (1.6)	(14.7) (7.0) (5.3)	8.3 (0.6) (4.3)	(10.9) (10.9) (2.9)	6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	(10.5) (4.5) (6.0)
1921	4,497,854	1,246,847 923,143 323,704	717,739 433,933 116,584	671,234 313,118 238,509 119,607	374,892 330,544 25,582 18,706	192,821 158,709 34,112 492,181 354,197	35,610 102,374 96,525 96,525 233,864 233,864	471,814 202,975 268,839
	(100.0)	(26.2) (20.1) (6.8)	(16.4) (10.0) (2.6)	(15.3) (7.1) (5.5) (7.7)	6666	3.7) (10.6) (10.6)	33 11 10	10.9
1911	4,106,350	1,106,321 826,828 279,493	672,258 408,429 108,367 155,462	628,817 221,001 227,308 110,508	369,712 326,712 25,603 17,336	183,698 153,943 29,755 434,116 306,807	39,065 87,644 86,276 86,276 216,692	408,521 165,992 242,529
	(100.0)	25.2) 18.9) 6.3)	17.0)	25.7.5.3	0 % 0 0 0 % 0 0 0	44.0 0.0 COC C.8	5.5.22.23 5.5.22.23 5.5.22.23	8.8 3.6) 5.2)
1901	3,656,954 (920,683	622,832 377,591 92,203 153,038	566,736 - 258,116 - 203,750 (104,870 (1	340,936 340,936 300,851 24,926 15,159	173,602 145,161 28,441 353,626 249,429	29,779 74,418 79,110 79,110 186,674 186,674	321,755 (132,964 (188,791 (
Miles	(100.0)	3.7)	9.8.6.6	8.5 2.6 4.9 8.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9	3.00 m	11.9	15.8 15.8 12.9 12.9	7.5)
Extent. Sq. Miles	25,331.88 (1,432.00 (808.25 (623.75 (2,290.13 (913.83 (902.45 (473.75)	2,146.25 652.25 481.25 1 012.75	3,249.33 998.63 964.21 1,466.50	3,840.10 2,792.10 1,048.00 3,025.87 1,843.75	262.25 4,008.54 4,008.54 6,008.54 3,227.15 3,227.15	1,892.50 (1,250.50 (642.00 (
Area	Ceylon	Western Province Colombo Kalutara	Central Province Kandy Matale Niwara Eliva	Southern Province Galle Matara Hambantota	Northern Province Jaffna Mannar Vavuniya	Eastern Province Batticaloa Trincomalee North Western Province	Chilaw North Central Province Anuradhapura Province of Uva Badulla	Province of Sabaragamuwa Ratnapura Kegalle

Figures in parentheses are percentages. Source: Census Reports.

Map 1. Map of Ceylon showing the Provinces and Districts.



PROVINCE BOUNDARY _____ District Boundary ____ Figures - District Population at 1953 Census

TABLE XI

Population Indexes at Censuses by Province and District 1900—1960										
(1901=100)										
Area	1901	1911	1921	1946	1953					
Ceylon	100	117	129	190	230					
Western Province	100	120	136	204	241					
Colombo	100	120	134	206	248					
Kalutara	100	122	142	200	230					
Central Province	100	110	117	184	220					
Kandy	100	108	115	189	223					
Matale	100	118	127	171	219					
Nuwara Eliya	100	101	110	176	212					
Southern Province	100	111	120	171	200					
Galle	100	113	122	180	204					
Matara	100	111	117	173	202					
Hambantota	100	105	114	136	185					
Northern Province	100	110	110	141	168					
Jaffna	100	108	110	141	164					
Mannar	100	105	105	129	174					
Vavuniya	100	120	130	160	240					
Eastern Province Batticaloa Trincomalee	100	107	111	162	205					
	100	106	110	140	186					
	100	105	123	269	298					
North Western Province	100	125	142	195	245					
Kurunegala	100	125	145	200	255					
Puttalam	100	133	119	142	197					
Chilaw	100	120	140	190	230					
North Central Province	100	110	120	175	285					
Anuradhapura	100	110	125	175	285					
Province of Uva	100	116	125	220	250					
Badulla	100	116	150	200	250					
Province of Sabaragamuwa	100	130	156	233	280					
Ratnapura	100	127	156	263	210					
Kegalle	100	130	144	214	251					

Source: Based on figures in Table 10.

Province of Sabaragamuwa. Sparsely populated were the Eastern and North Central Provinces and the Province of Uva. The population was not uniformly distributed throughout the province: some districts had a greater concentration than others. Thus in the Western Province, the District of Colombo had a very much higher density than the District of Kalutara and similarly in the Northern Province the District of Jaffna had a very much higher density than the other two districts. In the Central Province, the District of Matale, in the Southern Province the District of Hambantota and in the North Western Province, the District of Puttalam had densities much lower than the other districts in these provinces.

During the period 1901—1953 the population of the country has grown by 130%. Four provinces—Central (120%) Southern (100%), Northern (68%) and Eastern (105%) have shown a rate of growth smaller than this. The other five provinces—Western (141%), North Western (145%), Uva (150%), Sabaragamuwa (180%) and North Central (185%)—have grown at a much faster rate. With regard to the rate of growth too, (Table 11 and Map 3) the different districts in the different provinces have grown at different rates. In

the Northern Province the District of Jaffna grew by 64% while the District of Vavuniya grew by 140%; in the Eastern Province, the population of the District of Trincomalee increased by 198% while the population in the adjoining District of Batticatoa increased by only 86%; in the North Western Province the population of the District of Kurunegala increased by 155% while the population of the District of Puttalam increased by 97% and in the Province of Sabaragamuwa the population of the District of Ratnapura increased by 210% while the population of the District of Kegalle increased by 151%.

Table XII

Density of the Population at Censuses by Province and District 1900—1960.

Area	1901	1911	1921	1946	1953
Ceylon	141	162	178	263	320
Western Province	643	773	871	1,311	1,559
Colombo	855	1,023	1,143	1,758	2,114
Kalutara	368	448	519	732	839
Central Province	272	294	313	496	597
Kandy	413	447	475	779	920
Matale	102	120	129	173	223
Nuwara Eliya	323	328	353	566	686
Southern Province Galle Matara Hambantota	264	293	313	448	526
	396	446	480	705	804
	424	472	496	782	859
	104	109	118	148	189
Northern Province	99	108	109	140	166
Jaffna	301	327	331	425	493
Mannar	26	27	27	33	45
Vavuniya	10	12	13	16	24
Eastern Province	45	48	50	73	92
Batticaloa	52	55	57	73	97
Trincomalee	27	28	33	72	80
North Western Province	117	144	163	221	284
Kurunegala	135	166	102	263	493
Puttalam	33	44 '	39	47	65
Chilaw	284	334	390	533	649
North Central Province	20	22	24	35	57
Anuradhapura	20	22	24	35	57
Province of Uva	57	66	71	114	142
Badulla	57	66	71	114	142
Province of Sabaragamuwa	170	216	249	394	472
Ratnapura	106	133	162	275	337
Kegalle	294	378	419	626	735

Tensus are persons per square mile.

Census Reports. Also Statistical Abstracts of Ceylon.

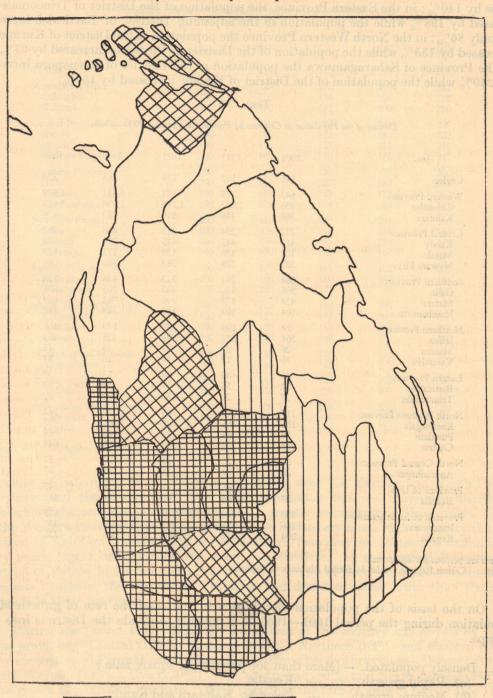
On the basis of the population distribution in 1901 and the rate of growth of the population during the period 1901—1953, it is possible to divide the Districts into nine

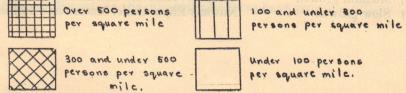
Densely populated. — (More than 300 persons per square mile.)

(a) Rapid growth — Kegalle.

- Medium growth Colombo, Kalutara and Kandy.
- Slow growth Nuwara Eliya, Galle, Matara and Jaffna.

Map 2. Density of Population 1953.





II. Moderate density — (Under 300 and over 100 persons per square mile.)

(a) Rapid growth — Kurunegala and Ratnapura.

(b) Medium growth — Matale and Chilaw.

(c) Slow growth — Hambantota.

III. Sparse density — (Under 100 persons per square mile.)

(a) Rapid growth — Trincomalee, Anuradhapura and Badulla.

(b) Medium growth — Vavuniya.

(c) Slow growth — Mannar, Batticaloa and Puttalam.

There is a weak negative correlation (-0·15) between the density of population and the rate of growth. This correlation is statistically insignificant.

PART IV

The Economic Consequences of the Population Growth

A womb to the tomb welfare state is the ideal towards which most countries in the world are said to be marching. Ceylon too is marching towards this goal and the progress that the country has made is not inconsiderable. As things stand today, the Ceylonese somes into this world with a free delivery at a government hospital, during his infancy he receives free milk at a government clinic. He receives, later on, free education at a government school where he gets in addition a free midday meal and free books. If he is medigent enough to obtain admission to an University, he receives free instruction there As an adult, when he is sick he receives free medical assistance and when he is not he receives his essential foods at subsidised rates. When he is dead, he receives a burial, if his relatives are unable or unwilling to give him a costlier one. The term seconnotes that the recipient of the services receives them without any cost but those are employed by government to dispense these services have to be paid and where services involve the transfer of material goods from one person to another, the moneimplications of the transaction become the business of the government. What all means is best illustrated by consideration of the government's expenditure on some the social services. 16

In the fiscal year 1958/59 the education bill of the country was Rs. 247,776,000·00 the health bill Rs. 141,866,000·00—the two combined constituting 25·5% of the ment's expenditure that year, and a per capita expenditure of Rs. 40·37 (Table 13).

The case of the population demands an increase in the expenditure but this does not be the only increase. Improvement of the facilities that could be offered demands expenditure to ensure that the services offered are worthy of the name. During 1946/47—1958/59, when the population increased by 37%, the education bill by 306·5% and the health bill by 271·2%. This money and money spent on the social services must come from the country. The Government gets its revenue by in various forms to various degrees—a process that gives it an ability to vary its within rather wide limits. Yet there is a limit beyond which no further increase

Solvaratnam: Some Implications of Population Growth in Ceylon. The Ceylon Journal of Histo-Social Studies, 4 (1961) 33—49.

Increase in population brings with it many other problems, most of them revolving around employment. The extent of unemployment in a country can be gauged by the registrations for exployment and better employment. These figures do not measure the situation exactly for they are generally much lower than the actual number of unemployed. Nevertheless, they reflect the trend in unemployment and under-employment. Since 1946 the persons seeking employment or better employment through the employment exchanges in the country have increased. Also increased is the proportion of these persons to the total employable male population (20—60 age group), from $2 \cdot 1\%$ in 1946 to $5 \cdot 1\%$ in 1959.

TABLE XV

Registrants for Employment and Better Employment 1946—1959

Year	Registrants	Labour Force (a)	Percentage Unemployed
		-0.000 - WILLIAM	
1946	36,544	1,708,000	2,1
1947	34,744	1,711,000	2.0
1948	66,656	1,824,000	3.7
1949	69,732	1,879,000	3.7
1950	65,122	1,935,000	3.4
1951	52,707	1,986,000	2.7
1952	53,023	2,036,000	2.6
1953	51,546	2,077,000	2,5
1954	63,304	2,134,000	3.0
1955	71,010	2,172,000	3.3
1956	85,952	2,230,000	3.9
1957	112,758	2,287,000	4.9
1958	117,796	2,344,000	5.0
1959	128,018	2,499,000	5.1

(a) Male Population 20—60 years. Source: Statistical Abstracts of Ceylon.

Increase in employment opportunities can result from the opening up of new avenues of employment or from the extension of existing avenues. In a country that is predominantly agricultural, the extension of existing avenues of employment must be associated with an increase in the extent of land cultivated. The cultivated land in Ceylon today is much more than what it was a few years ago and there is still more land that could be profitably cultivated with improved irrigation facilities. But, as the territorial limits of a country do not expand with its increasing population there is a limit to which agricultural extension is physically possible. Not only can employment opportunities not be increased, they must actually decrease as more and more land is taken up merely to house the increas-Industrialisation, obviously, is the only solution. Its importance has been recognised and since 1952 concerted efforts have been made to provide more employment through both large scale and small scale industrial projects. But yet the movement in this direction has not been impressive. Over 50% of the labour force is engaged in agricultural pursuits: the percentage was larger in 1953 than in 1946. Only 10% of the labour force was engaged in manufacture in 1953—a percentage slightly larger than that in 1946. (Table 16).

One of the aims of population studies is to estimate the future population size so that an important factor in the planning of socio-economic development programs may be as factual as possible. Projections of Ceylon's future populations have been made by the Registrar-General, the United Nations, and S. Selvaratnam. These projections are based on certain assumptions regarding the future trends in mortality and fertility. As these assumptions vary, the figures presented in each of these projection studies differ from one another. All three have assumed a decline in mortality. The Registrar-General's assumed decline is the smallest, Selvaratnam's is the largest while the United Nations one has not been inconsiderable. Because death rates are still highest among infants and very young children, occasioned by a morbidity that could be controlled, it is not unreasonable to assume a further decrease in the death rate. But how long it would continue to fall without maintenance and further improvement in health and living standards must at the present moment remain a matter of conjecture. It has been estimated that with no further improvements to the health services, the health bill of the country would be Rs. 293,000,000.00 in 1981. Can the country afford it? This is the vital question.

Table XVI

Distribution of the Labour Force in the different types of occupations 1946—1953

Type of Occupation	1946	1953
griculture, Forestry, Hunting and Fishing	52.90	54.06
lining and Quarrying	0.35	0.56
lanufacture south a serial date serial	8.77	10.00
uilding and Construction	1.77	2,52
ommerce, Banking and Finance	7.85	10,23
dministration, Professional and other services	24.41	17,40
thers (Unproductive)	0.35	0.57
otal Employed	2,611,524	2,132,650*
lining and Quarrying lanufacture uilding and Construction ommerce, Banking and Finance dministration, Professional and other services thers (Unproductive)	0.35 8.77 1.77 7.85 24.41 0.35	0.56 10.00 2.52 10.23 17.40 0.57

Census Reports.

**Section of 146,090 persons whose occupation was inadequately described and consequently not classifiable,

Occupational categories used are the broad categorisations used in the 1953 Census. Occupations were regrouped to make the 1946 categorisation comparable to the 1953 one.

As far as fertility is concerned, the projections have been made for different trends—a fertility, a constant fertility, a slow fertility decline and a rapid fertility decline—all eventualities. But here again, what the exact situation will be in years to come is Fertility will be discussed more fully later on.

Translating the anticipated population changes into economic terms, it has been maded that by the year 1981, the education bill assuming only maintenance of present would be Rs. 894,000,000·00 and the total cost for the social services for that education, health and housing) would be Rs. 2,864,000,000·00.²¹ Here again the estion is the ability of the country to foot the bill. Population changes, it has been estimated, would increase the work force of the country to 7·1 million in 1981. If

Shirth.

Department of Census and Statistics: Statistical Abstract of Ceylon. 1957 (Colombo: Ceylon Press).

Nations: The Population of Asia and the Far East. Population Studies No. 31, New York, 1959.

Selvaratnam, op. cit.

^{200.} ilbid

socio-economic conditions are so changed that this entire force could find employment, the financing of the social services may not be a formidable problem but if such a situation does not obtain, not only would it be difficult to maintain the services at their present level, but the country would be saddled with the additional problem of large scale unemployment.

The population of a country could be its greatest asset. It could well be its biggest liability. What it actually is, is dependent on the extent to which the available talent is exploited to improve the economic development of the country. In the so-called underdeveloped countries, the rate of economic development is relatively slow. The rapid increase in population have consequently posited themselves as seeming impediments to progress. The advantages that accrue from the economic changes that are occurring fail to register themselves as appreciable changes in the standard of living, so much so that the efforts of the country to improve existing standards appear futile. Two methods are available to reduce the disjuncture that exists between economic development and population growth. The one, dependent on a change in the values of the people, is a dramatic reduction in the rate of population growth; the other, dependent on the existence of capital, manpower, technical know-how, and raw material, is a dramatic increase in the rate of economic growth. What course of action should be and could be followed in any one country depends on the prevailing conditions and the peculiar genius of its people.

PART V

Crude Death and Birth Rates

The growth of the population is dependent on the natural increase and the migration difference. In the nineteenth century migration played a large part in the population growth of this country but its contribution to the increase has gradually reduced though Ceylon continued to remain an immigrant-recipient country till as late as 1955. The contribution made by migration now is so small that the present increase in population may be looked upon as solely dependent on the balance between births and deaths.

TABLE XVII

Intercensal Increase, Natural Increase and Migration Difference 1871—1953.

	2	liv later on.	3 houden hou	escreeb od ilian 41	
Period	Intercensal	Natural	Increase		Difference
	Increase	Number	Proportion	Number	Proportion
1871—1881	359,358	119,792	33.3	239,556	66.7
1881—1891	241,051	144,260	59.8	96,791	40.2
1891—1901	656,165	225,406	34.4	430,759	65.6
1901—1911	449,396	356,147	79.2	93,249	20.8
1911—1921	392,255	319,410	81.4	72,845	18.6
1921—1931	808,266	656,950	81.3	151,316	18.7
1931—1946	1,350,468	1,280,916	94.8	69,552	5.2
1946—1953	1,440,556	1,363,175	94.6	77,381	5.4

Source: Column 2 from Census Reports.

Column 3 from Administration Reports of the Registrar General of Ceylon.

Column 4 from Statistical Abstracts of Ceylon.

TABLE XVIII

Crude Death Rate 1900—1960

Year	Rate	Year	Rate	Year	Rate
1900	28.6	1920	29.6	1941	18.8
1901	27.6	1921	31.2	1942	18.6
1902	27.5	1922	27.8	1943	21.4
1903	25.9	1923	30.6	1944	21.3
1904	24.9	1924	25.7	1945	22.0
1905	27.7	1925	23.9	1946	20.3
1906	34.3	1926	24.7	1947	14.3
1907	30.1	1927	21.7	1948	13.2
1908	29.4	1928	24.8	1949	12.6
1909	30.3	1929	24.9	1950	12.6
		1930	25.4		
			La cara non a C		
1910	27.3	1931	22.1	1951	12.9
1911	34.8	1932	20.5	1952	12.0
1912	32.4	1933	21.2	1953	10.9
1913	28.4	1934	22.9	1954	10.4
1914	32.2	1935	36.6	1955	11.0
1915 1916	25.2	1936	21.8	1956	9.8
1917	26.8 24.7	1937 1938	21.7	1957	10.1
1918	31.9	1939	21.0 21.8	1958	9.7
1919	35.6	1940	20.6	1959 1960	9.1
	solanioaun'T.	47111 11111111	20.0	1900	8.6

Equation. Y=22.7-0.3132 X when X is 0 in 1930 and in one year intervals.

Administration Reports of the Registrar General of Ceylon.

De death rate has shown a considerable reduction during the period 1900—1960. During the first quarter of the century, remained more or less constant, with occasional fluctuations, around the level of 30 During the next 20 years the death rate fell to the level of 20 while in the postperiod the death rate fell still further till it now stands around the level of 8 reduction in the death rate, unprecedented in the annals of world demobas been occasioned mainly by the eradication of malaria—a major cause of morbimortality in by gone years—the use of antibiotics, better health facilities, imsanitation and other public health measures. In the occidental countries such a was slow, and, as the technical know-how necessary for the improvement of the entires could not be borrowed but had to be developed, the reduction was usually with an improvement in the socio-economic standards of the country. Followin the death rate was a fall in the birth rate in these countries, so much so that increase of the population was not inordinately high. In Ceylon, on the other has been no significant fall in the birth rate. It has remained more or less The 1900—1960 me shows very slight downward slope for the country as a whole.

2 show the relative figures. The rates vary from district to district. It was Chilaw, Colombo and Kalutara districts. In the Galle, Puttalam, Nuwara districts, the rate was slightly higher but still lower than the average annual the country as a whole. Slightly higher than the average Ceylon rate were

the rates for the Mannar, Kegalle, Kandy, Trincomalee, Matara and Hambantota districts. The rates in the other districts—Matale, Vavuniya, Batticaloa, Kurunegala, Anuradhapura, Ratnapura and Badulla districts—were even higher.

As far as the changes are concerned, the birth rate has remained more or less constant during the period under consideration in the Colombo, Kandy and Badulla districts. In Colombo and Kandy the trend has been a slight decrease while in Badulla, it was a slight increase. Rates declined in the Jaffna, Kurunegala, Ratnapura, Chilaw, Matara, Kegalle. Kalutara and Galle districts. They increased in the Mannar, Trincomalee, Batticaloa. Matale, Hambantota, Puttalam, Vavuniya, Anuradhapura and Nuwara Eliya districts. On the basis of the changes that have occurred in the birth rate, it is possible to divide the districts into the following groups:

- Where the average annual birth rate was low, and
 - Chilaw and Kalutara. (a) Decreasing
 - (b) Constant Colombo.
 - (c) Increasing
- II. Where the average annual birth rate was moderate, and
 - Galle, Jaffna, Kegalle and Matara. (a) Decreasing
 - Kandy.
 - (b) Constant(c) Increasing Puttalam, Nuwara Eliya, Trincomalee, Mannar and Hambantota.
- Where the average annual birth rate was high, and
 - Ratnapura and Kurunegala. (a) Decreasing
 - (b) Constant Badulla.
 - Matale, Vavuniya, Batticaloa and Anuradhapura.²² (c) Increasing

In general it may be said that the birth rate tended to be higher in the sparsely populated areas than in the densely populated areas. In the former areas the birth rate has increased since the turn of the century while in the latter areas the birth rate has decreased.

An interesting feature about the changes that have occurred in the crude birth rate is that these changes are not reflected in the changes that have occurred in the total popu-As birth is one of the methods by which people are added to the population, it is natural to expect the most population growth in areas where the increase in the birth rate was greatest and the least in areas where the reduction in the rate was most. But this is not the case. In the Puttalam District, for example, the crude birth rate showed a phenomenal increase though no extraordinary population growth was recorded. Again, in the Ratnapura District, the population grew at an exceptionally high rate while the birth rate decreased. Differential death rates (Table 21) account in part for this discrepancy: internal migration also makes its contribution. Changes in the crude birth rate are not reflected in the population changes, probably because these changes, though categorisable in terms of increases or decreass, were not marked. The crude birth rate increased most during the period 1900-1960 ine the Puttalam District- 56%-and decreased most in the Kalutara District—by 23%—over the 60 year period.

^{22.} The terms low, moderate and high, employed in this categorisation are used in a relative sense and in the context of the Ceylon data.

Crude Birth Rates by Province and District 1900—1960

Mannar 41.8 37.9 39.6 36.8 40.9	30.8 42.0 36.2 40.2 46.8	38.2 26.7 40.5 39.3 32.4 45.2 41.1 42.6	37.0 33.2 34.7 34.3 34.5 37.5 36.8 32.2
Jaffina 39.0 42.9 36.6 38.3 35.1	39.1 41.3 32.2 38.9 38.8	37.0 37.4 35.1 34.9 32.0 37.7 36.1 37.7 36.1	3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.3.5.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3
N. 839.5 39.5 38.2 38.2 35.9	38.6 41.3 32.5 40.2 39.5	37.3 37.3 37.5 37.5 37.5 37.0 37.0 37.0 37.0 37.0 37.0 37.0 37.0	35.3 35.9 37.4 36.9 39.2 33.0
H'tota 40.9 40.3 44.8 44.8 48.0	45.4 40.7 37.6 47.3 39.8	45.2 3.6.5 45.3 5.1.0 5.2.9 38.9	8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.2.
Matara 41.8 42.5 45.1 45.5 43.2	46.0 38.4 36.9 44.4 38.1	4.6.6.4.4.4.4.6.6.7.4.4.4.6.7.7.7.7.7.7.	30.4 45.1 47.1 47.0 45.5 45.6 46.7 47.0
Galle 44.0 40.1 43.5 42.7 38.9	44.2 37.6 37.1 41.0 38.9	41.3 40.9 41.7 41.7 38.2 38.2 39.7 37.6 36.3	32.4 38.6 4.0.3 8.2 4.0.3 4.0.9 4.0.9 4.0.9 4.0.9
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Matale 44.3 41.1 43.5 43.1 43.9	46.3 43.0 36.1 52.2 31.5	44.8 33.1. 4.22.2 4.22.2 4.7. 4.7. 4.7. 4.0. 6.0 4.0.	2.24.24.25.29
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39.8 39.8 35.1 37.8 39.1 36.6	40.2 36.4 35.3 39.1	36.8 39.2 38.2 38.2 40.0 39.3 44.1 44.8	33.9 39.6 39.2 39.2 39.4 39.6 39.6 39.6 39.6 39.6 39.6 39.6 39.6
Solombo (34.4) 34.7 32.0 33.1	35.8 32.9 30.6 36.6 33.9	33.7 23.6 35.6 35.0 35.0 35.0 35.0 35.0 36.4 36.4 37.7 37.7 37.8	31.9 37.8 33.5 33.3 34.8 34.8 36.0 37.8
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	Birth Rates by Province and District 1900-1960 (0

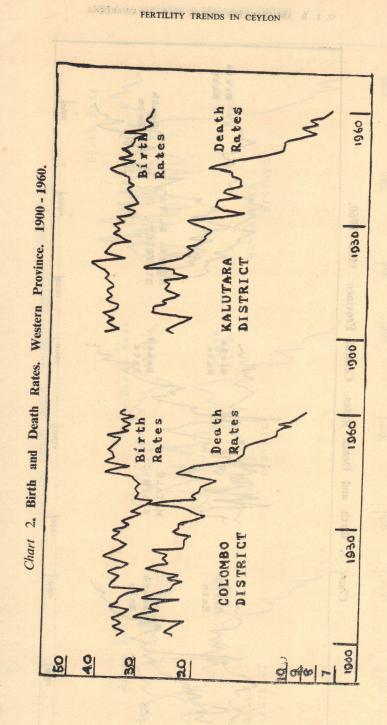
	Mannar	34.6	36.6	24.5	34.7	46.1	27.8	41.9	36.9	39.3	44.4	44.1		36.5	43.0	30.2	30.2	32.3	30.2	34.5	43.9	40.1	4.0.4	35.7	46.8	40.6	38.0	41.0	20.4	37.8	42.0	44.6	40.8	
	Jaffina	34.3	34.5	33.9	35.4	34.6	33.6	33.5	34.3	36.6	34.8	34.8		31.6	30.9	34.9	33.1	32.7	35.1	36.9	37.2	34.7	3/.0	35.7	34.5	34.0	30.5	34.5	7 00	30.0	33.0	35.6	32.1	
	N.P.	34.5		33.4					34.7					32.5								36.0		37.5	36.5	35.5	32.1	36.3	200	33.7	35.1	37.4	34.5	
	H'tota	43.0	45.0	48.8	6.9	47.7	44.1		42.3					36.4					36.3	40.5	52.1	48.0	52.4	52.4	58.1	50.2	45.8	51.0	į,	45.7	7.00	44.4	43.0	
(-p.	Matara	44.9	42.2	42.5	45.5	40.7	43.0	39.0	39.5	40.1	37.9	32.6		31.7					40.8	39.3	42.8	37.2	39.7	40 4	41.9	43.3	36.2	39.4		38.2	36.0	37.5	35.9	
960 (Cont	Galle	43.3	38.9	37.2	40.5	36.5	38.5	37.8	38.9	36.1	36.4	36.8		36.4	35.0	42.5	38.5	33.9	42.0	38.6	38.0	34.7	35.5	34 7	33.3	37.2	31.4	32.9		33.4	91.9	20.00	32.0	
rict 1900—1	S.P.	43.8	41.41	41.0	43.3	39.8	41.1	30 7	30.6	38.6	37.4	35.3		34.6	36.5	43.2	40.0	36.7	40.7	38.2	41.9	37.6	39.7	30 5	40.3	41.7	35.7	38.4		37.4	36.5	35.7	35.5	
Crude Birth Rates by Province and District 1900-1960 (Conta.)	N'Eliya	38.7	37.8	36.7	38.8	36.9	40.4	36.1	37.4	35.0	36.1	37.2		39.5	36.4	36.2	35.4	41.6	41.4	44.7	47 1	44.0	43.7	72	41.0	39.4	33.5	39.4					36.9	
ates by Provi	Matale	40.9	42.0	42.6	42.6	43.6	35.5		24.7	5.5	12.7	41.6		45.1	47.1	48.7	45.3	43.7	38.7	49.3	47.4	46.5	48.5	0 02	20.00	43.3	42.2	4.3		43.2	40.4	42.4	43.6	
rude Birth R.	Kandy	41.0	200.2	38.0	38.0	33.4	34.2		31.7	30.00	33.9	36.9		37.5	36.6	38.5	34.6	41.6	13.0	43.2	45.6	40.9	40.5	2	45.2	30.1	30.1	38.8	The state of the s	37.4	36.6	37.5	38.9	
Ö	C.P.	40 4	1	38.7	30.7	4.76	35.9		33.2	2.60	30.7	30.4	0	38.9	37.8	39.1	36.1	41.6	5	42.1	13.0	4.64	42.4	;	4.5	30.0	39.0	39.8		38.3	37.0	39.0	37.2	21.10
	Kalutara	0 %	0.00	37.8	35.0	33.0	32.0					34.3		34 4	38.8	38.4	36.7	32.3	000	38.3	23.0	34.0	32.7					29.4					29.0	
	Colombo	30 %	0.20	30.3	23.1	21.4	26.9		29.5	31.4	30.2	30.6	4.00	31 3	20.5	37.7	36.1	31.6	i i	3/./	20.1	38.3	36.0		35.4	33.9	37.8	33.8	0:00	32.1	34.3	30.6	34.7	00.00
	W.P.	23	23.0	30.9	26.8	32.3	28.6		30.3	32.2	30.6	31.0	37.7	32.1	30.5	38.1	35.0	31.8		37.8	35.3	35.5	35.2	No. of the last of	34.8	32.9	37.2	32.8	0.70	31.5	33.2	30.1	37.0	27.3
	Year	1030	0661	1931	1932	1933	1934		1936	1937	1938	1939	1940	1041	1047	1942	1944	1945		1946	1947	1948	1950	1000	1951	1952	1953	1954	1733	1956	1957	1958	1959	DOKI

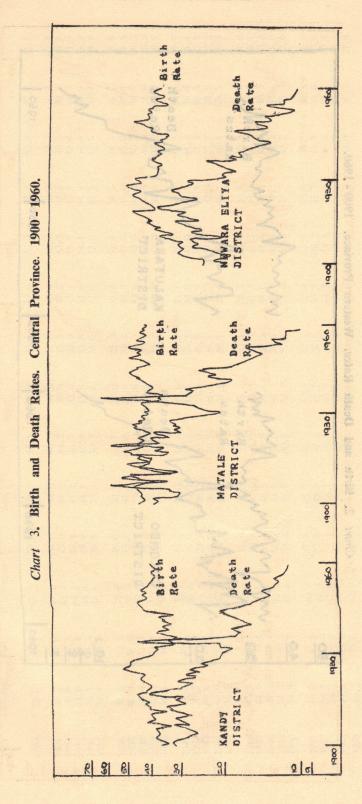
TABLE XIX

Crude Birth Rates by Province and District 1900—1960 (Contd.).

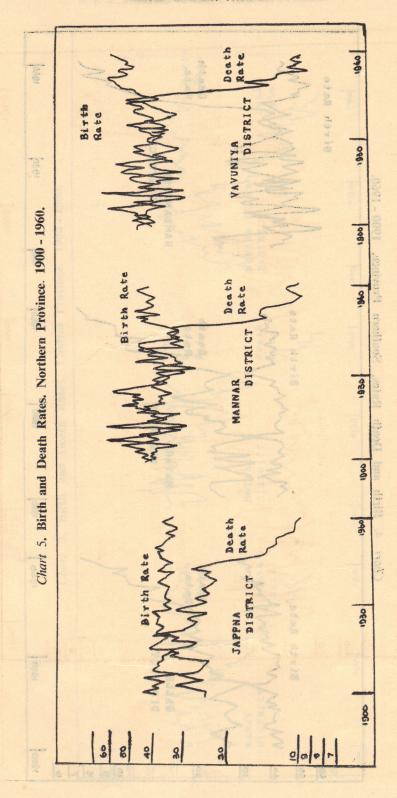
	ra																													
2.00. Part.	Kainapura	45.1	42.0	43.7	40.8	11	30.0	37.0	49.4	45.0	0 00	20.3	35.3	25.1	42.9	200	45.7	47.5	20.7	49.5		5.04	43.4	44.54	42.3	1	45.0	0.10	50.3	47.6
O to	Sav.	42.0	39.2	4.0	41.2	8 CF	42.0	37.2	49.9	43.8	u 07	26.0	21.7	44 ×	42.0		43.1	43.8	0.74	44.9	1 7	C.14	43.4	41.8	44.1	2	15.0	46.1	46.1	43.1
Radulla	Dunning	39.6	39.8	44.2	43.5	38.8	40.7	37.9	44.5	45.6	44.0	30.0	30.4	42.5	40.0		42.7	46.7	20.05	41.0	2	41.7	45.3	44.8	44.6	7 0 7	40.0	50.7	51.6	45.5
Had		39.6	39.8	44.2	43.5	38.8	40.7	37.9	44.5	45.6	41 8	30.0	30.4	42.5	. 40.0	n In	42.7	46.0	50.3	41.0	7 7	42.0	45.3	44 8	4.6	76 6	49.1	50.7	51.6	45.5
A'nura		40.2	88.1	38.5	42.6	43.6	36.7	40.0	43.2	41.1	41.0	46.1	30.3	34.1	36.8		3/.4	51.0	49.5	32.8	0 00	42.5	45.3	38.6	38.6	43.6	43.0	50.9	47.9	43.3
N. C. P.		40.2	3.81	38.5	42.6	43.6	36.7	40.0	43.2	41.1	41.0	46.1	30.3	34.1	36.8	,	41.74	51.9	49.5	32.8	0 00	42.5	36.7	38.6	38.6	43.6	43.0	50.9	47.9	43.3
Chilaw		28.4	35.3	38.3	36.6	35.4	30.2	30.6	39.6	0.4.0	37.5	31.2	27.9	38.5	36.9	21.2	34.3	38.1	34.9	30.8	33.0	41.8	33.7	33.7	35.3	37 5	38.2	36.7	34.2	29.1
Puttalam		34.7	32.6	35.5	37.5	35.4	27.9	34.5	37.4	6.00	28.7	28.5	22.1	30.9	30.1	24.1	20.0	35.2	32.4	24.3	33.6	42.0	34.8	33.7	31.0	40 6	35.8	37.2	35.7	30.6
K'gala		40.8	4.1	47.6	48.8	48.9	36.5	35.8	52.4	3/.1	42.2	39.6	27.5	44.0	35.7	36 3	45.0	46.9	47.4	37.1	39.2	44.3	35.7	38.8	41.6	48.4	45.1	47.9	8.44	38.0
N.W.P.		39.1	41.3	44.6	45.2	45.0	34.5	34.6	48.5	50.3	40.0	36.9	27.1	41.7	35.5	6 %	41 9	44.0	43.4	34.6	42.0	42.5	35.2	37.4	39.1	45.5	43.0	8.44	41.9	35.6
Trinco		35.5	38.0	40.3	43.3	40.5	42.4	37.2	30.7	77.7	43.0	43.8	34.9	37.9	30.8	38.0	46.3	48.2	46.2	34.9	44.1	40.7	34.7	33.7	35.6	42.5	44.4	46.6	45.6	41.1
B'caloa		43.5	45.9	48.4	7.04	40.8	40.7	39.6	30.0		40.1	44.5	41.4	41.0	34.7	38.0	45.5	42.1	43.8	40.9	44.9	46.1	43.9	40.6	41.8	43.5	46.6	49.1	44.9	40,7
E.P.		42.2	44.6	47.1	0.01	40.7	41.0	39.2	43.9	Y 1	40.5	44.4	40.4	40.5	34.1	38.0	45.7	43.1	44.2	40.0	44.7	45.2	42.3	39.4	8.04	43.3	46.3	48.7	45.1	40.7
Varuniya		45.4	36.8	38.6	0.	41.3	20.5	32.9	46.3	0.1.	40.3	38.9	27.4	38.0	43.8	36.5	45.2	47.3	47.8	29 1	37.0	38.7	39.1	0.10	37.1	42.2	46.6	40.7	47.0	0.01
Year		1900	1902	1904	107	1905	1906	1907	1909	1007	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1001	1924	1925	1926	1927	1929	1777

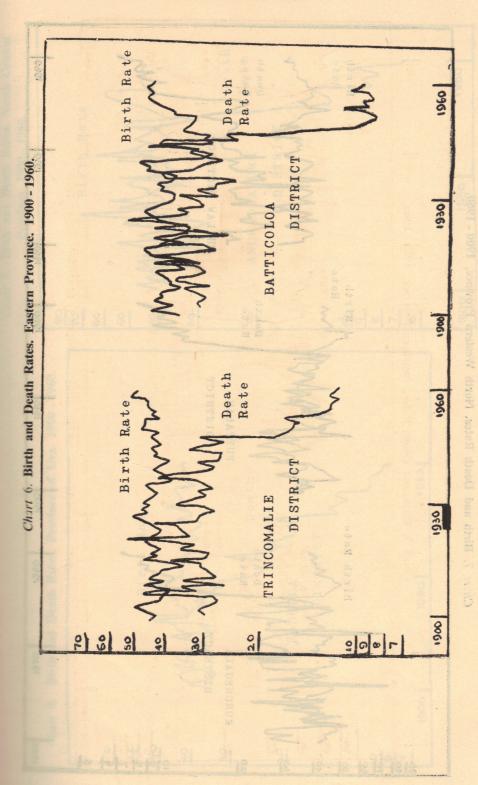
	ıra												7		2 0	10	9 - 0	× 7	2	10	9		רנה	8	1	8	1	36.3	8.	7.5	t e
	Ratnapu	41.6	42.1	40.6	43.0	38.2	1.00	35.8	38.5	35.6	36.7		37.7	36.4	32	39.		41.	42.	45.0	43.	77	40.4	39.	39.	37.	,	3,8	35	37	9
	Sab.	42.9	40.2	39.1	41.3	38.5	33.7	31.7	39.8	36.0	36.0		39.5	38.4	38.9	38.5		38.4	41.3	41.4	39.9	, T	38.6	38.7	36.8	36.1		35.0	33.7	34.7	34.3
	Badulla	43.8	43.2	43.5	43.8	4.0	6.24	38.5	45.0	40.2	37.0	21:5	43.1	41.4	37.5	1.7	1.01	39.8	41.1	46.1	44.7	1	45.1	40.8	40.1	44.2		41.8			
	Uva	43.8	43.2	43.5	43.8	4.4	42.5	38.5	45.0	40.2	27.0	21.9	43 1	41.4	37.5	31.3	1.04	. 39.8	41.3	48.1	44.7		45.1	45.7	40.1	44.2		41.8	42.7	43.8	42.2
0.0). A'pura	39.0	12.4	42.4	43.1	54.4	42.6	8 15	48.9	42.6	4.64	6./4	14 1	43.0	48.9	37.9	29.6	38.9	41.3	44.6	53.6		60.4	59.2	4.4	46.6		45.4	44.8	45.7	47.9
	Crude Birth Rates by Province and District 1900—1960 (Conta.). N. W. P. K'gala Puttalam Chilaw N. C. P. A	39.0		43.4	43.1	54.4	42.6	2 12	48.9	42.6	49.4	47.3		43.0	48.9	37.9	29.6	38.9	41.3	44.6	23.8	22.0	60.4	59.3	44.2	40.0	0.01	45.4	45.7	45.7	47.9
	ict 1900—19 Chilaw	33.5		32.5	32.0	33.8	25.0	0 10	33.6	28.3	30.1	32.8		33.5	48.8	35.1	36.1	33 1	36.9	37.6	36.8	31.1	35.5	35.6	35.6	32.9	32.4	32.4	32.4	28.1	30.2
TABLE XIX	nce and Distr Puttalam	32.9		34.5	38.0	32.0 45.8	31.6		37.0	35.0	37.3	41.0		39.6	33.3	45.1	33.3	2 00	20.0	45.6	47.4	52.1	50.9	56.2	43.9	46.0	44.6	42.0	43.3	42.4	42.1
	ates by Provi	£ 7	41.5	40.0	4.5	44.2	30.7		37.1	38.0	41.4	36.7		40.6	30.0	39.3	39.2		30.1	10.4	47.0	50.2	7 77	47.4	43.7	40.2	44.6	39.9	39.6	38.5	37.8
	nude Birth R. N. W. P.	30.3	39.3	38.9	41.5	41.1	29.5		34.8	41.3	38.5	36.1	7.1	39.0	26.2	30.00	38.2	i de la companya de l	31.3	41.9	44.9	47.7	727	45.5	42.1	39.1	42.2	38.6	38.5	36.8	38.3
	C		39.4	38.6	43.0	42.4	38.5		39.0	39.5	10.04	40.4	0.77	43.0	31.9	2.67	29.3		31.6	3.50	36.1	34.1		32.7	39.4	40.4	44.1	46.0	47.2	46.0	47.4
	B'caloa	2 J	43.9	47.2	44.4	43.2	4.4.	£	39.4	39.0	39.8	43.5	1.6	40.1	38.6	43.7	42.3		42.0	42.6	45.1	47.6		46.7	2.74	45.0	43.9	AE 7	45.0	46.4	51.1
	FP		43.1	45.6	4.1	43.1	4.3	43.3	39.3	39.0	41.2	5.44	C.#	40.6	37.4	40.1	43.7		39.3	39.1	41.2	43.7	7 7	42.6	43.0	43.9	43.9	1	45.7	46.3	50.2
	070	v aramya	37.6	30 7	36.4	39.9	45.1	34.1	36.2	40.2	38.4	40.5	46.1	45.5	39.7	50.1	24.0	23.0	43.8	44.9	49.1	54.1	0.000	58.4	58.5	0.64	1.14	2::0	2.4.5	53.6	52.9
			1930	4021	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1747	1946	1947	1948	1950	TANGE	1951	1952	1953	1055	1/22	1956	1958	1959





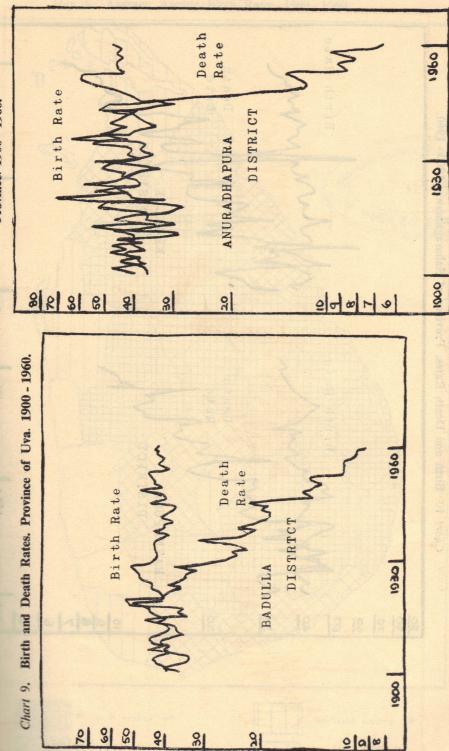
Death Birth Rate DISTRICT 1930 HAMBANTOTA Chart 4. Birth and Death Rates. Southern Province. 1900-1960. 1000 Birth Rate Death DISTRICT MATARA 900 1960 Death Rate Birth Rate GALLE 9 900000 1 90

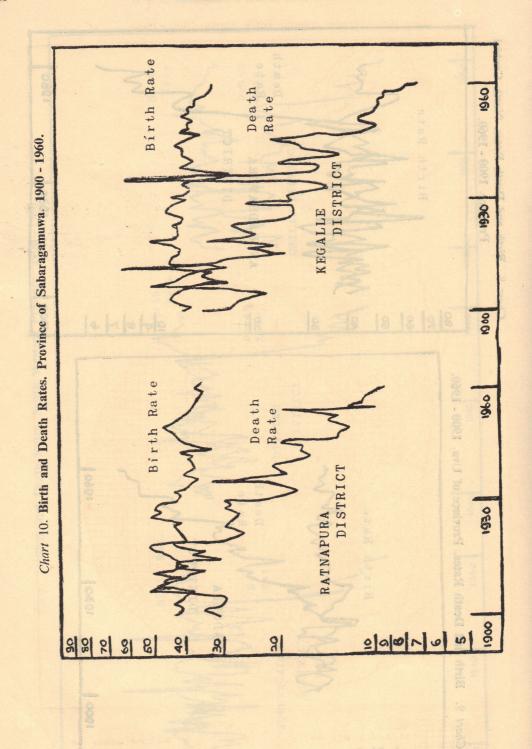




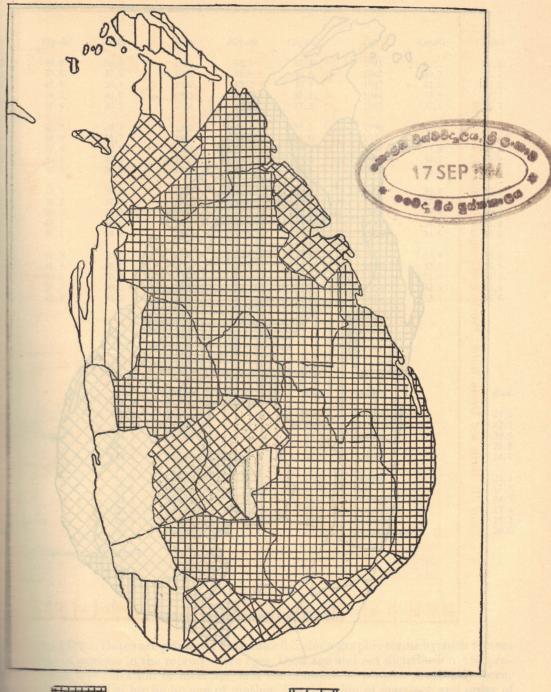
Rate Death Birth CHILAW DISTRIC Chart 7. Birth and Death Rates. North Western Province. 1900 - 1960. Birth Death DISTRICT PUTTALAM 1900 Birth Rate Death 1960 DISTRICT KURUNEGALA 1930

Chart 8. Birth and Death Rates. North Central Province. 1900 - 1960.





Map 4. Average Annual Birth Rates 1900 - 1960





41 and under 44

38 and under 41



35 and under 38



32 and under 35

TABLE XXI

	Galle	27.2 27.6 26.2 25.4 25.4	24.0 26.5 31.0 27.4 26.9	25.9 26.2 27.4 28.5 27.9	23.2 24.2 25.1 27.4 28.6	32.2 27.8 22.9 25.3 25.3	22.6 22.0 20.6 21.7 24.0	22.7
	S. P.	27.0 26.2 25.4 24.1 23.2	25.5 33.6 37.5 31.2 30.2	26.8 33.2 35.7 28.7 31.7	24.3 26.7 25.0 29.7 53.8	32.6 31.2 26.9 28.8 26.1	23.6 25.2 21.1 21.7 27.1	28.2
	Vavuniya	38.2 42.7 40.2 46.8 39.5	50.7 42.5 60.8 46.1 41.2	29.23 64.4 4.34.5 74.5 74.5	33.2 34.6 28.9 48.1 52.7	43.6 46.5 36.3 55.6 50.7	34.9 33.6 33.8 29.1 39.1	38.8
	Mannar	40.4 47.7 35.9 37.8 42.0	4.4.4 40.1	35.0 37.0 51.1 45.6 45.0	45.1 46.9 47.8 72.5 59.9	50.5 50.5 50.5	41.4 36.1 49.0 37.6 47.4	41.8
00—1960	Jaffina	24.2 23.5 25.7 32.8 35.9	24.0 27.2 30.5 25.1 24.6	24.2 23.0 33.0 29.9 35.3	32.4 27.5 25.8 33.3 28.1	36.7 32.9 27.8 27.2 25.9	25.9 27.6 24.1 22.6 30.6	27.3
District 19	N. P.	26.0 26.1 35.2 36.4	26.8 29.1 33.1 27.9 26.3	25.2 24.7 35.6 31.1 36.4	33.3 29.1 27.3 36.5 31.1	37.8 34.7 29.0 29.7 28.6	27.3 28.6 26.1 23.8 32.1	28.7
Crude Death Rates by Province and District 1900-1960	N'Eliya	19.9 20.4 23.5 21.3 18.8	22.3 27.9 27.0 26.4 27.6	22.5 28.3 25.6 28.0 32.6	26.4 30.5 28.2 42.9 37.9	31.2 29.4 26.5 29.3 34.9	29.1 27.2 27.3 23.7	20.1
ates by Pr	Matale	37.3 36.2 37.5 30.0 29.2	32.8 57.8 33.1 48.8 45.7	30.7 49.1 41.2 38.6 48.4	33.0 39.5 33.5 56.7 48.7	33.8 40.7 32.0 42.3 28.8	30.9 33.9 34.4 32.9	34.4
de Death R	Kandy	32.1 32.5 29.8 25.4 24.0	26.2 36.1 27.1 30.3 32.1	27.3 34.5 30.9 29.9 33.0	26.5 31.1 29.7 40.3 39.5	33.4 34.4 26.6 30.4 28.8	28.3 28.3 28.4 28.4 23.6	22.4
Cru	C. P.	29.9 30.1 29.4 25.1 23.5	26.3 37.0 28.0 32.1 33.0	26.8 35.4 31.3 30.8 35.2	27.5 32.2 30.0 43.4 39.1	33.0 34.3 27.5 32.0 30.2	28.1 26.9 26.9 28.2 24.9	23.5
	Kalutara	24.2 23.8 22.9 20.5	23.0 28.4 27.5 25.4 26.9	25.7 25.7 25.7 25.4 25.9	21.5 24.0 24.4 29.7 28.1	23.8 22.1 20.5 21.8 19.6	19.3 19.1 18.0 18.4 20.6	21.7
	Colombo	23.1 22.9 23.5 23.0 21.2	25.6 30.3 24.8 27.1 26.7	21.7 28.9 24.5 22.6 23.0	21.4 23.6 22.0 25.6 28.0	24.1 25.1 24.0 26.6 20.8	21.4 20.8 20.1 22.6 22.0	22.0
	W.P.		23.9 29.3 24.3 25.0 25.2			23.6 24.2 23.0 25.0 19.9	20.3 19.8 18.9 21.3	21.3
	Year		1905 1906 1907 1909		1915 1916 1917 1918 1919		1925 1926 1927 1928 1929	1930
F 2 7 7 7 8 8								

Crinde Death Rates by Province and District 1900 - 1960 - (Contd.)

Galle	20.1	18.1	21.2	21.2	A	19.2	21.0	20.7	19.5	20.7.	21.4	19.6	20.2	19.6	19.0	17 4	14.2.	13.2	13.1	13.1	14.6	11.7	10.8	11.0	11.4	0.2	8.6	10.7	4.6	2.3
S. P.	21.8	19.6	23.0	25.3	0,00	23 2	25.0	25.8	25.4	26.1	23.8	21.4	22.6	21.8	19.5	21.2	13.9	12.5	12.4	12.4	13.3	11.0	10.3	10.2	10.4		8.7	9.6	6.0	7.2
Vavuniya	36.0	39.6	32.5	49.3		48 7	37.1	35.3	30.1	34.3	8.04	6.04	50.1	44.8	35.1	26.3	19.9	15.8	12.2	14.5	12.3	12.3	10.1	8.7	11.0		10.5	9.3	10.5	9.1
Mannar	33.6	42.7	32.5	39.0		43.2	41.7	35.4	28.0	30.8	36.5	31.2	29.6	37.1	31.3	32.1	17.8	15.3	12.7	13.6	13.6	14.1	11.8	10.1	10.2		9.2	10.3	10.7	10.5
Jaffina	24.4	25.4	24.4	24.0		25.1	23.7	23.3	21.9	22.6	23.7	22.6	26.7	23.3	22.4	17.0	15.3	12.5	12.7	12.5	11.9	12.3	11.7	11.2	10.4		10.3	10.0	10.01	9.5
N. P.	25.5	27.2	25.2	26.0		27.2	25.3	24.5	22.6	23.0	25.1	23.9	28.3	24.9	23.6	18.5	15.7	12.8	12.7	12.6	12.1	12.4	11.6	10.9	10.4		10.2	10.0	10.2	9.5
N'Eliya	20.4	18.7	20.6	25.3		18.6	18.3	17.0	17.4	16.8	13.5	13.1	14.3	15.3	19.0	16.2	13.6	15.8	13.8	13.3	14.6	13.2	12.4	10.9	14.3		11.8	11.9	10.9	10.7
Matale	24.8	22.9	28.0	63.9		27.6	24.4	25.1	27.7.	21.1	19.2	23.3	26.9	25.4	28 6	28.6	17.2	15.0	13.1	13.6	14.6	14.4	13.5	11.6	12.3		11.7	11.1	2.11	8.6
Kandy	21.0	19.9	21.0	46.0		18.5	17.7	16.0	18.0	16.4	14.3	14.9	17.2	17.8	20.9	18.9	14.2	14:0	12.9	13.9	14.0	12.7	12.6	11.6	12.2		11.4	11.4	10.0	10.3
C.P.	21.4	20.0	22.4	43.1		19.6	18.7	17.4	19.1	16.9	14.7	15.5	17.8	18.1	21.5	19.7	14.4	14.5	13.1	13.7	14.2	13.1	12.7	11.5	12.7		11.5	11.5	10.4	10.3
Kalutara	18.2	14.9	18.8	18.8		14.7	17.1	16.6	14.8	15.4	15.2	16.2	15.6	18.5	16.5	14.7	12.6	11.4	11.3	10.9	10.8	9.6	2.7	9.1	8.6		4.0	9.0	× ×	7.6
Colombo	19.7	18.0	21.0	28.2		19.0	20.1	18.9	19.0	18.6	17.4	16.9	19.8	22.6	20.8	18.5	14.9	14.3	14.4	14.2	14.2	12.3	11.2	11.1	11.2		10.2	0.11	9.6	8.6
W.P.	19.0	18.8	19.9	24.7		17.3	18.6	17.8	17.8	17.5	16.2	16.4	18.5	20.6	19.6	17.3	13.8	13.6	13.1	13.0	13.0	11.4	10.4	10.4	10.5	2 5	39.5	0.0	2.6	8.2
Year	1931	1932	1934.	1935		1936	1937	1938	1939.	1940	1941	1942	1943	1944	1945	1946	1947	1948.	1949	1950	1951	1952	1955	1954	1935	200	1956	1958	1959	1960

TABLE XXI

Crude Death Rates by Province and District 1900 - 1960. (Contd.)

Badulla	35.5 40.6 36.3 33.9	36.4 45.8 39.1 42.3 41.0	34.9 37.1 37.4 41.3 46.6	33.9 36.3 35.0 51.6 53.6	40.5 38.5 34.7 39.6 37.0	34.5 35.2 37.8 30.7 26.1
Uva	35.5 40.6 36.3 33.9	36.4 45.8 39.1 42.3 41.0	34.9 37.1 37.4 41.3 46.6	33.9 36.3 35.0 51.6 53.6	40.5 38.5 34.7 39.6 37.0	34.5 35.2 32.3 37.8 30.7
A'pura	36.8 38.3 42.7 44.9 37.5	48.3 47.8 38.2 44.5	28.8 33.0 54.5 34.6 47.2	40.5 30.8 27.6 39.6 72.9	441.2 54.6 39.5 58.5 46.7	42.7 41.4 32.9 37.2 53.6 39.5
N. C. P.	36.8 38.3 42.7 44.9 37.5	48.3 47.8 38.2 44.5	28.8 33.0 54.5 34.6 47.2	40.5 30.8 27.6 39.6 72.9	29.5 58.5 58.5 46.7	442.7 32.9 372.9 37.2 39.5
Chilaw	17.9 18.3 19.8 17.5 16.7	23.5 27.1 20.6 19.7 21.7	21.4 29.8 27.7 19.4 21.9	19.4 19.3 17.6 19.9 37.3	20.3 24.9 23.4 24.7 18.8	17.9 19.2 17.1 23.9 20.4
Puttalam	33.0 34.0 39.3 36.3	49.0 45.1 43.5 39.9 39.2	26.6 32.5 33.1 29.2 37.6	34.4 30.6 26.8 35.1 54.4	41.4 43.4 41.0 47.4 39.6	37.0 47.0 35.9 40.1 29.0
K'gala	36.0 26.8 32.7 25.5 25.5	36.8 53.9 35.8 37.4 44.6	29.5 43.0 38.4 21.5 45.0	30.2 33.9 26.2 36.3 75.4	26.0 39.3 35.4 41.0 25.1	24.7 33.6 22.3 39.4 29.5 30.6
N.W.P.	32.8 25.7 30.5 24.7 34.3	35.0 47.5 33.1 33.8 39.0	27.7 39.4 35.7 28.8 39.5	28.3 30.5 24.4 32.7 65.3	26.0 36.6 33.3 38.0 24.8	28.1.1.2.2.2.1.4.4.2.3.3.2.3.2.3.2.3.3.2.3.3.2.3.3.3.3
T'malie	32.6 31.0 32.4 30.2 32.3	34.6 28.6 37.7 38.1	29.8 31.4 43.6 33.3 44.4	36.3 27.6 31.1 42.7 36.4	25.7 45.2 33.2 36.2	33.5 36.7 30.6 30.6 36.4 28.4
B'caloa	30.6 32.2 29.7 27.3 29.4	49.0 33.4 35.8 26.1 35.6	28.4 29.7 30.9 38.6	30.1 28.6 35.5 31.4 54.1	32.8 34.4 36.0 37.3 44.4	31.3 30.8 27.8 30.4 35.6 34.6
E. P.	30.9 32.0 30.2 27.7 29.9	46.7 31.9 36.1 28.0 35.2	28.6 29.9 32.9 31.0	31.0 28.5 34.8 33.2 51.3	31.5 36.3 35.5 40.4 43.0	31.7 31.8 28.3 30.2 35.7 33.5
H'tota	26.0 25.1 27.0 24.1 25.1	33.1 50.4 63.3 45.2 44.7	34.7 53.9 60.5 39.4 40.0	30.5 40.0 28.3 43.3 49.4	32.7 52.1 43.6 42.2 34.2	29.7 38.4 27.0 28.2 43.6 50.5
Matara	27.4 25.1 23.7 22.5 23.0	23.5 34.1 33.0 29.2 27.7	24.0 32.1 34.8 24.1 32.7	23.9 23.9 23.4 26.7 33.8	33.1 25.3 23.9 26.9 26.4	22.1 23.0 19.1 18.8 23.6 25.4
Year	1900 1901 1902 1903	1905 1906 1907 1908 1909	1910 1911 1912 1913 1914	1915 1916 1917 1918 1919	1920 1921 1922 1923 1924	1925 1926 1927 1928 1929 1930

LABOR XXI

Crude Death Rates by Province and District 1900 - 1960. (Contd.)

Badulla	24.3 25.3 21.6 23.7	24.4 23.5 23.5 20.8	19.0 18.8 19.7 19.4 21.7	17.7 13.6 15.1 13.7	13.9 13.9 11.0 11.0	10.3 10.0 10.0 9.1
Uva	24.3 25.3 21.6 23.7 32.3	24.4.4.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	19.0 18.8 19.7 19.4 21.7	17.7 13.9 15.1 13.7	13.7 13.9 11.0 11.0	10.3 10.0 10.0 10.0
A'pura	35.2 38.6 36.9 37.9 64.0	44.1 40.8 37.0 34.7 38.1	40.3 40.9 51.6 48.7 32.3	27.2 19.5 14.1 12.1	12.6 13.4 9.7 8.6 9.1	8.8.3 6.7.3 6.6.3
N. C. P.	35.2 38.6 36.9 37.9 64.0	44.1 40.8 37.0 34.7 38.1	40.3 40.9 51.6 48.7 32.3	27.2 19.5 14.1 12.1	12.6 13.4 9.7 8.6 9.1	8.3 8.2 7.3 6.6
Chilaw	17.4 16.9 15.9 17.6 34.7	16.9 19.2 18.5 19.4 15.8	14.2 15.5 18.2 18.8 21.4	18.6 11.7 10.1 9.0 9.1	9.0 10.4 8.6 7.8	7.8 8.2 7.3 6.6
Puttalam	31.9 35.2 30.2 33.7	34.0 39.1 39.2 34.0 31.8	33.6 42.8 44.0 45.1 35.6	24.7 19.7 12.5 11.9	11.2 13.2 9.9 9.3 11.6	9.5 10.3 9.2 8.0
K'gala	27.3 23.6 25.2 29.1 73.8	25.8 27.1 26.3 30.9 25.4	19.7 29.4 45.6 24.0 32.3	32.0 16.2 12.8 10.6	11.1 11.4 10.3 8.8 9.2	8.3 8.8 7.7 7.0
N.W.P.	26.0 23.0 23.6 37.0 63.9	24.4 26.1 25.4 28.6 23.7	19.3 29.6 26.4 24.7 30.3	28.7 15.5 12.2 10.3	10.7 11.3 9.9 8.6 9.4	8.3 8.5 7.7 7.0
T'malie	31.7 28.1 28.3 23.5 40.8	41.9 32.8 31.4 26.9 30.3	33.6 30.5 42.8 41.2 24.0	25.5 16.6 12.6 10.3 9.4	8.5 9.2 9.2 9.2 9.8	9.0 10.6 9.8 9.6
B'caloa	27.9 32.3 27.5 30.3 32.9	41.9 34.3 30.0 27.8 30.7	27.3 26.9 33.7 30.1 26.1	30.9 18.2 17.2 16.1 16.4	14.7 16.9 13.1 11.9	12.4 11.4 12.3 11.8
E. P.	28.6 31.5 27.6 29.1 34.3	42.6 34.1 30.3 27.6 30.6	28.4 27.6 35.3 32.1 25.5	29.5 17.8 16.0 14.4 14.4	12.8 14.6 12.6 11.3	11.6 10.9 11.3 10.9
H'tota	30.2 29.2 33.7 35.3 49.1	39.9 45.3 48.8 40.2 42.6	41.7 36.5 41.5 39.8 27.1	41.3 18.4 13.6 12.7 11.9	11.5 11.6 10.4 9.2 9.8	7.9 8.8 9.1 7.0 6.6
Matara	20.4 17.4 20.8 22.4 25.0	21.8 21.7 22.9 27.1 26.5	19.9 17.9 18.3 17.6 16.8	17.7 11.5 11.1 11.3	12.5 10.0 9.6 9.6 9.5	7.9 8.8 8.2 7.8 7.5
Year	1931 1932 1933 1934 1935	1936 1937 1938 1939 1940	1942 1942 1943 1944 1945	1946 1947 1948 1949 1950	952 953 954 955	956 957 958 959 960

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the statistical data necessary for such analyses are not available. Birth statistics by age of mother have been published only since 1952. Birth statistics by duration of marriage and order of birth are not being published.

TABLE XXI

Crude Death Rates by Districts 1900—1960. (Contd.)

	OFFICE POR	127 - 115	Year	Sab.	R'pura	K'galle	Year	Sab. K	R'pura	K'galle
Year	Sab. R'pura	a K'galle	1 ear	340.	Крига	10 guill	1 0			
1900	33.3 31.3 30.9 35.6		1920 1921	25.9 26.3	29.9 27.3	22.8 25.5	1940 1941	17.4 14.8	20.1 17.2	15.0 12.7
1901 1902	28.7 30.7	27.2	1922	26.9	25.9	27.7	1942 1943	14.5 16.8	15.6 17.0	13.5
1903 1904	26.7 29.8 25.3 30.0		1923 1924	27.2 23.0	30.4 28.6	24.7 18.8	1943	16.9	16.9	16.9
1905	29.7 34.3	26.5	1925	22.3	28.4	17.8	1945	20.4	19.5	21.2 17.2
1906	45.0 52.4 34.8 43.7		1926 1927	22.0	27.2 27.5	18.2 17.9	1946 1947	17.7	18.4 13.1	11.2
1907 1908	34.8 43.7 38.0 45.7		1928	27.2	29.7	25.4	1948	11.4	12.6	10.5
1909	39.9 47.1	35.2	1929	22.8	28.3	18.3	1949	11.1	12.2	10.1
1910	36.3 40.4	33.5	1930	24.1	29.7	19.4	1950	11.6	12.7	10.7
1911	59.0 51.3		1931 1932	19.3 15.8	20.6	18.2 14.2	1951 1952	12.6 11.3	14.4 12.6	11.0
1912 1913	40.2 43.2 33.3 38.8		1932	16.7	18.3	15.4	1953	10.2	19.7	9.8
1914	34.1 42.5		1934	19.4	21.3	17.9	1954	9.9	10.2	9.6
1915	24.0 30.8	8 19.3	1935	48.2	33.2	61.3	1955	10.8	12.1	9.7
1916	30.1 38.2	2 24.6	1936	17.3	19.1	15.8 14.9	1956 1957	10.0	10.9	9.2 9.3
1917 1918	25.8 33.3 36.9 42.3		1937 1938	16.9	19.2	15.3	1958	9.3	10.6	8.1
1919	33.1 44.		1939	20.3	20.5	20.0	1959	9.0	10.1	8.0
							1960	8.3	9.4	7.3

Source: Reports of the Registrar General of Ceylon.

Table 22 shows the Age Specific Fertility Rates and the Total Fertility Rates for the different districts during the periods 1952—1960. The Age Specific Fertility Rates represent the number of the live births per 1000 women in each age group. As the number of births to women under 15 years of age and over 45 years are negligible these rates have been ignored. Most frequently, the most fertile age group was the "25 years and under 30" group. In the Nuwara Eliya, Batticaloa, Puttalam and Badulla Districts, however, the most fertile group was the "20 years and under 25" group, while in the Galle District it was the "30 years and under 35" group. The next most fertile groups were the "20 years and under 30" and "30 years and under 35" age groups, except in the Galle and Matara Districts where the older age groups appear to be more fertile. In these districts the "35 years and under 40" was more fertile than the "20 years and under 25" group and the "40 years and under 45" more fertile than the "15 years and under 20". Generally, the least fertile group was the "40 years and under 45" group.

The general pattern may be said to be, in order of decreasing fertility, "25 years and under 30", "20 years and under 25", "30 years and under 35", "35 years and under 40". "15 years and under 20", "40 years and under 45". This pattern is more or less common to all the districts and has, generally speaking, remained unchanged throughout the period

under consideration. Deviations from this pattern are not worthy of note except perhaps for the tendency to greater fertility in the older age groups in the Galle and Matara Districts and greater fertility in the Vavuniya, Batticaloa, Trincomalee and Anuradhapura Districts.

A noteworthy feature of these age specific fertility rates, is that the rates in each age group vary from district to district. Thus, in the "15 and under 20" age group, the rate an average of 19 in the Galle District and 229 in the Vavuniya District. Generally, when the rates are high in one age group, they tend to be high in all age groups in that the there is no uniformity in the magnitude.

TABLE XXII

Age Specific Birth Rates 1952—1960

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		15 and	20 and	25 and	30 and 35 and	40 and	No. Children
		under	under	under	under under	under	
		20 yrs.	25 yrs.	30 yrs.	35 yrs. 40 yrs.		born per woman
		Zo Inst	25 113.	30 Yrs.	33 yrs. 40 yrs.	45 yrs.	by age 45
	1952	64.6	253.3	297.8	231.1 141.3	27.2	- 40
	1953	59.8	249.1	298.5		37.3	5.13.
	1954	58.1	227.2			35.6	5.08
	1955			272.1	211.5 131.4	33.6	4.67
		63.8	231.3	282.3	224.8 103.0	38.2	4.72
	1956	70.4	230.5	273.4	233.4 142.9	40.7	4.96
	4055	10.0					
	1957	69.3	226.6	269.7	239.8 147.6	41.5	4.97
	1958	67.5	220.1	261.6	241.3 144.4	41.7	4.88
	1959	68.5	225.8	271.2	251.6 153.5	42.6	5.07
	1960	67.5	227.3	261.8	257.5 154.7	43.9	5.07
					207.0 12 154.7	73.9	3.07
	1952	33.9	195.1	263.4	213.2 124.3	32.1	4.93
	1953	31.5	206.1	291.5	234.1 140.7		
	1954	28.8	172.0	247.5		34.0	4.67
-	1955	33.4	173.0			31.0	4.01
	1956	the second secon		249.3	213.7 122.1	33.8	4.13
	1950	40.0	191.1	241.5	215.9 129.0	37.3	4.27
	4057	12.0	101 =				
	1957	43.3	194.5	253.3	233.8 139.6	38.7	4.52
	1958	39.9	179.4	223.8	214.0 122.7	33.6	4.07
	1959	44.9	198.7	248.1	238.1 136.9	37.3	4.52
	1960	45.1	194.6	229.1	237.6 135.7	36.7	4.39
						00.7	7.37
	1952	38.5	206.0	274.1	216.5 122.9	31.8	4.45
	1953	35.6	206.1	291.5	234.5 140.7	34.0	
	1954	32.2	178.5	258.7	210.4 117.8	28.4	4.71
	1955	36.3	183.7	264.1			4.13
	1956	43.6	200.6	248.5		32.6	4.31
	1930	43.0	200.0	248.5	217.1 127.8	35.5	4.73
	1957	43.2	204 5	000 4	ara - francisco		
1			204.5	262.1		37.3	4,65
	1958	185 44.4	186.8	228.4	215.8 119.7	31.5	4.13
	1959	51.2	211.7	257.8	-10.0	36.2	4.75
	1960	51.4	206.7	238.7	246.6 136.5	35.3	4.58
100	1952	20.4	161.8	230.3	203.0 128.7	33.0	3.89
	1953	19.7	134.8	262.5	221.7 146.0	38.3	4.37
	1954	18.7	152.0	212.9	188.0 121.4	38.2	3.66
	1955	24.9	140.1	203.7	189.1 117.0	37.3	
	1956	29.3	161.2	218.4	212.1 133.1		3.56
	-700	and the second	201.2	210,7	212,1 133,1	42.8	3.98
	1957	29.1	162.9	224.3	212.4 138.8	10.0	1.00
	1958	26.8	156.2			42.8	4.03
	1959	26.3		208.5	208.1 132.8	40.0	3.86
5			157.7	215.5	211.3 134.2	40.8	3.93
	1960	26.8	156.8	156.9	208.8 133.0	39.2	3.60

TABLE XXII

	Age S	pecific Birth	Rates 1952-	_1960. (C	ontd.).			
Central Province	1952	90.1	281.2	292.7	232.4	149.1	43.3	5.44
	1953	78.2	265.2	278.5	208.4	142.9	33.3	5.03
	1954	74.1	251.6	264.6	202.4	135.6	33.9	4.81
	1955	84.2	257.2	269.4	207.4	140.2	38.1	4.99
	1956	85.8	265.0	276.8	225.5	144.9	45.1	5.23
	1957	79.4	251.2	265.7	230.1	140.8	42.5	5.01
	1958	80.5	259.8	274.0	250.1	151.8	50.6	5.33
	1959	73.9	247.0	267.0	240.5	149.1	44.4	5.11
	1960	82.5	282.6	294.6	267.1	165.7	48.7	5.71
Kandy	1952	78.8	273.0	294.4	231.7	148.6	45.6	5.36
	1953	67.2	255.6	280.1	202.2	134.3	31.1	4.85
	1954	65.7	250.4	275.4	209.6	140.7	34.4	4.88
	1955	73.2	237.6	274.3	208.1	136.5	38.1	4.84
	1956	75.3	251.0	270.6	233.7	146.6	41.0	5.09
Months of the second of the se	1957	71.1	242.2	266.3	233.2	143.8	43.1	5.00
	1958	69.7	239.4	270.2	253.7	150.9	49.8	5.17
	1959	63.5	230.4	256.3	243.9	147.3	46.1	4.94
	1960	70.4	254.3	275.1	264.2	158.0	47.3	5.35
Matale	1952	137.5	345.6	354.4	269.3	140.4	41.4	6.44
	1953	102.6	323.1	334.2	247.2	145.2	37.5	5.95
	1954	108.4	305.5	312.6	224.2	127.6	35.7	4.56
	1955	118.0	322.7	315.9	242.8	143.6	39.7	5.91
	1956	132.6	311.5	308.6	257.4	154.8	40.4	6.03
	1957	121.6	284.3	281.5	254.0	148.6	43.8	6.67
	1958	122.6	297.1	294.8	271.6	161.0	45.5	5.95
	1959	121.2	297.8	315.5	279.9	178.2	40.3	6.15
	1960	114.0	286.9	301.7	269.8	170.0	45.7	5.94
Nuwara Eliya	1952	93.8	265.4	255.3	214.6	155.6	38.8	5.12
	1953	91.7	357.9	244.6	204.9	164.2	36.7	5.50
	1954	77.6	222.8	211.8	171.8	126.6	31.8	4.12
	1955	95.2	272.5	232.0	188.4	147.2	36.7	4.86
	1956	87.3	275.1	273.7	187.7	135.6	58.4	5.09
	1957	77.7	255.4	254.1	209.1	229.2	40.3	4.83
	1958	84.7	293.0	289.9	227.5	149.0	55.5	5.40
	1959	74.1	260.7	264.8	211.7	137.4	42.3	4.96
	1960	101.0	386.8	361.2	255.1	187.9	55.9	6.84
Southern Province	1952	27.3	225.3	319.0	264.7	178.0	54.1	5.34
	1953	25.3	222.8	314.8	266.3	179.3	52.7	5.30
	1954	21.8	187.6	268.6	230.3	159.8	47.1	4.58
	1955	26.2	192.0	289.9	253.3	177.6	56.6	4.98
	1956	28.9	185.8	292.1	272.0	186.4	61.4	5.07
	1957	25.4	172.9	274.8	280.5	189.3	64.6	5.04
	1958	25.5	167.4	268.6	282.4	108.1	62.5	4.93
	1959	24.8	162.3	264.0	281.5	186.2	61.3	4.93
	1960	24.3	160.9	257.6	294.4	190.2	62.6	4.95
Galle	1952	18.3	175.1	256.7	225.6	158.2	56.3	4.45
	1953	17.1	171.5	257.4	249.7	155.5	52.0	4.62
	1954	14.8	145.8	221.0	204.7	144.8	48.4	3.90
	1955	20.1	145.3	226.9	219.2	147.9	56.2	4.08
	1956	23.1	155.0	252.5	253.5	165.0	57.7	4.53
	1957	19.9	145.8	234.2	246.3	164.2	58.3	4.34
	1958	19.8	141.5	231.5	258.4	164.5	59.4	4.38
	1959	18.5	134.0	216.6	235.8	156.0	54.4	4.08
	1960	19.0	140.7	222.6	269.8	169.4	58.8	4.40

TABLE XXII.

				LABLE	AAII.				
		A	ge Specific B	irth Rates 19	52—1960.	(Contd.)			
Matara	19.3 19.2 24.7 29.3 29.3	1952 1953 1954 1955 1956	24.1 22.1 16.9 22.1 22.0	223.2 231.6 189.1 195.1 186.8	347.3 242.8 288.0 311.5 322.5	290.3 247.2 241.7 266.6 292.6	196.5 145.2 168.4 194.8 205.7	58.4 27.5 50.0 61.2 68.2	5.70 5.13 4.78 5.41 5.49
	0.00 0.00 0.00 0.00	1957 1958 1959 1960	21.3 20.4 19.2 18.5	181.0 171.4 166.4 162.0	314.0 296.4 293.4 275.4	325.4 305.8 321.4 312.5	224.1 192.9 216.9 204.5	77.8 71.3 4.22 72.2	5.72 5.92 5.46 5.23
Hambantota	0.00 0.01 0.02 0.00 0.00	1953 1954 1955	67.0 62.4 59.5 58.4 68.7	385.4 361.3 313.6 329.2 261.1	239.0 392.6 365.5 426.9 331.2	328.8 295.6 284.9 330.2 280.4	197.6 182.8 187.1 231.0 204.0	36.0 36.2 34.0 49.3 57.1	7.27 5.65 6.22 7.13 6.01
		1957 1958 1959 1960	55.9 59.3 61.9 57.7	224.4 223.0 222.4 207.1	299.5 306.0 320.2 305.4	281.9 298.3 320.3 321.1	183.3 194.8 201.3 214.7	55.3 51.3 52.4 51.9	5.49 5.66 5.89 5.79
Northern Provi	ince	1952 1953 1954 1955 1956	67.5 64.9 65.0 72.9 76.8	230.0 222.7 200.3 218.8 227.1	282.0 263.9 235.3 261.7 250.6	202.2 193.6 169.3 204.2 216.3	111.8 107.0 96.6 110.2 121.6	28.8 25.9 22.8 26.0 29.6	4.61 5.36 3.95 4.47 4.61
		1957 1958 1959 1960	77.6 79.9 87.2 78.3	230.9 232.7 241.0 231.5	247.0 265.4 275.4 245.9	208.8 230.4 243.8 225.9		24.6 29.2 34.1 32.1	4.45 4.81 5.32 4.75
laffin		1952 1953 1954 1955 1956	56.0 52.7 52.6 58.1 63.9	211.9 204.7 180.4 196.4 216.3	268.7 245.5 216.9 243.3 239.9	193.5 186.8 160.9 195.9 212.0	105.2 99.3 99.0 103.8 117.4	27.6 24.1 21.1 24.6 28.3	4.31 4.07 3.62 4.11 4.39
		1958 1959	64.2 64.1 70.7 63.0	198.1 215.1 224.3 210.5	237.5 251.3 263.0 230.4	201.1 218.4 236.3 210.7	114.1 119.3 140.0 130.2	23.0 26.5 33.1 30.4	4.19 4.47 4.84 4.38
		1952 1953 1954 1955 1956	156·1 158·5 167·2 196.4 168·8	342·3 312·1 307·9 326·5 290·9	391 · 2 384 · 1 350 · 4 363 · 5 284 · 4	253·7 236·5 217·7 254·8 258·1	159·5 178·1 127·2 143·8 158·5	50·5 63·4 45·0 30·4 37·6	6.77 6.61 6.06 6.58 6.00
		1957 1958 1959 1960	170 · 7 139 · 4 197 · 6 149 · 0	305·7 323·4 340·5 334·7	272·4 298·5 314·9 283·0	256·5 287·5 262·7 279·8	116·6 158·4 190·8 154·3	31·1 48·5 39·6 45·4	5·77 6·48 6·73 6·23
- Cimile		1952 1953 1954 1955 1956	206.4 213.1 208.1 242.1 207.0	436.4 457.5 446.2 514.1 299.7	290.8 450.5 428.7 469.9 352.0	310.6 272.2 274.2 309.8 232.9	186.3 174.9 174.9 201.5 146.5	27.3 29.9 32.5 55.2 46.0	7.29 8.00 7.83 8.96 6.42
		1957 1958 1959 1960	214.5 249.1 252.5 267.0	320.7 359.0 347.0 381.4	342.8 409.1 387.0 396.2	269.7 345.7 333.3 387.4	185.2 179.7 185.2 197.2	58.2 61.8 46.5 48.5	6,96 6,96 7,76 8,39

TABLE XXII

Age Specific Birth Rates 1952—1960. (Contd.)

		1 3			Action's		
Eastern Province	1953	169.2 148.9 172.1 169.7 191.9	330.9 306.7 324.5 323.8 316.1	299.9 300.0 311.9	297.8 95.8 202.4 92.4 217.0 107.3 226.1 113.5 249.4 126.9	19.8 19.2 24.7 23.5 29.8	5.17 5.35 5.73 5.83 6.15
	1957 1958 1959 1960	198.3 190.3 202.5 200.0	325.9 313.7 336.7 325.7	314.4 325.8 355.1 326.0	244.1 135.4 250.7 139.3 277.8 149.9 275.8 153.6	30.3 33.0 36.5 37.9	6.24 6.26 6.80 6.60
Batticaloa	1953 1954	162.7 145.0 164.2 161.5 185.0	305.8 304.5 327.6 319.4 315.3	287.4 289.0 309.1 301.4 308.1		20.2 19.0 23.0 22.3 29.9	5.38 5.25 5.71 5.55 6.00
	1958 1959	180.3 192.5	320.3 315.5 343.4 330.7	309.1 321.9 360.8 329.8	243.0 126.5 246.0 130.3 273.8 142.9 271.4 150.5	28.3 32.0 35.1 35.8	6.08 6.13 6.74 6.56
Trincomalee		195.0 164.4 203.3 202.4 217.5	342.3 314.2 313.4 339.2 319.0	330.6 337.2 295.3 345.2 345.1	187.9 81.8 210.1 92.2 230.1 124.0 249.5 162.5 271.1 152.8	17.7 20.0 32.5 27.5 29.6	5.78 6.02 6.00 6.63 6.73
	1957 1958 1959 1960	237.0 227.5 240.0 228.0	244.9 307.6 314.1 308.9	331.7 338.4 336.5 313.8	247.9 169.8 267.7 173.6 292.6 176.7 291.9 165.7	38.7 37.3 42.3 47.0	7.35 6.76 7.01 6.78
North Western Province	1952 1953 1954 1955 1956	78.6 76.2 75.0 82.0 98.2	010 1	330.7 318.6 302.5 330.3 283.2	229.5 133.5 228.2 128.0 217.1 127.6 236.6 143.1 226.2 123.7	28.3 27.2 26.0 36.1 27.3	5.53 5.40 5.09 5.56 5.07
	1957 1958 1959 1960	94.9 93.4 96.8 87.3	245.1 224.6 230.3 224.0	260.2	224.7 144.9 242.2 154.2	30.6 30.2 34.3 36.4	6.08 4.89 5.11 4.92
Kurunegala	1952 1953 1954 1955 1956	83.2 81.1 78.0 88.4 103.9	330.5 321.5 280.8 302.8 247.7		230.1 139.3 233.2 135.0 220.2 134.3 253.0 156.2 236.3 139.4	27.7 28.3 27.0 40.7 29.5	5.72 5.66 5.27 5.96 5.23
	1957 1958 1959 1960	98.2 98.0 99.9 8 9. 7	243.5 227.5 230.3 220.6	268.4	257.6 167.7	33.3 34.0 39.1 41.6	5.24 5.12 5.32 5.10
Puttalam	1952 1953 1954 1955 1956	163.9 131.6 163.8 148.4 158.7	403.5 367.1 368.4 378.0 327.6	374.3 311.5 351.0 358.7 303.6	282.4 154.4 249.8 148.4 164.0 148.9 225.3 148.9 206.5 121.8	39.0 34.0 30.4 27.0 23.8	7.09 6.21 6.63 6.43 5.71
	1957 1958 1959 1960	158.8 154.3 171.9 168.0	315.6 302.2 306.0 333.5	322.1 302.7 305.5 274.9	230.3 123.9 235.6 136.0 259.4 144.8 224.0 120.2	23.8 26.9 30.9 21.6	5.87 5.79 6.09 5.71

TABLE XXII

Age Specific Birth Rates 1952—1960. (Contd.).											
Chilaw	1952	41.5	217.9	271.2	210.7	107.1	26.9	4.32			
	1953	45.4	227.9	268.8	204.0	96.1	21.4	4.02			
	1954	42.2	202.9	248.1	191.7	98.1	21.4	4.02			
	1955	43.2	196.3	248.2	183.6	96.8	23.6	3.96			
	1956	57.9	217.7	249.8	196.7	112.0	21.1	4.28			
11.0 0 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1957	61.8	227.2	214.9	188.6	108.2	23.5	4.05			
	1958	56.4	185.6	213.1	174.8	94.4	18.6	3.71			
	1959	60.8	203.6	233.8	180.1	107.1	18.7	4.02			
	1960	54.3	199.6	227.3	183.6	105.8	23.2	3.97			
North Central Province	1952	184.5	476.0	448.2	310.5	182.0	41.9	8.22			
	1953	180.0	466.0	426.3	290.5	194.2	37.7	7.97			
	1954	203.5	498.4	465.6	307.9	202.7	41.0	8.59			
	1955	201.7	467.4	484.2	328.6	223.3	56.9	8.81			
	1956	174.4	305.4	337.1	265.1	160.5	42.3	6.42			
0 97 Quasing 6 44	1957	163.0	319.5	333.2	267.5	164.4	46.8	6.47			
22 93 5 6 45	1958	137.1	304.6	326.6	298.9	167.7	56.6	6.46			
11 98 0 6 66	1959	147.1	307.2	240.0	293.0	175.7	43.5	6.54			
17 37 2 - 55	1960	142.0	319.5	356.6	327.8	180.9	52.2	6.90			
Anuradhapura	1952	184.5	476.0	448.2	310.5	182.0	41.9	8.22			
	1953	180.0	466.0	426.3	290.5	194.2	37.7	7.97			
	1954	203.5	498.4	465.6	307.9	202.7	41.0	8.59			
	1955	201.7	467.4	484.2	328.6	223.3	56.9	8.81			
	1956	174.4	305.4	337.1	265.1	160.5	42.3	6.42			
	1957	163.0	319.5	333.2	267.5	164.4	46.8	6.47			
	1958	137.1	304.6	326.0	298.9	167.7	56.6	6.46			
	1959	147.1	307.2	340.0	293.1	175.7	43.5	6.54			
	1960	142.0	319.5	356.6	327.8	180.9	52.2	6.90			
Province of Uva	1952	107.0	349.6	311.2	243.4	175.0	47.9	6.17			
	1953	100.3	327.7	288.2	222.4	157.7	44.1	5.70			
	1954	102.7	328.7	288.0	207.0	144.1	43.6	5.57			
	1955	114.9	359.2	311.7	229.7	162.1	40.6	6.09			
	1956	94.5	309.2	331.8	247.0	142.4	44.1	6.69			
	1957	95.9	310.5	304.1	238.8	148.9	43.3	5.71			
	1958	93.2	311.1	316.7	274.8	152.5	50.3	6.00			
	1959	86.4	326.2	332.2	277.0	159.2	50.5	6.16			
	1960	86.6	307.3	318.4	279.2	143.2	52.7	5.93			
adalla to boend sorar being his	1952	107.0	349.6	311.2	243.4	175.0	47.9	6.17			
	1953	100.3	327.7	288.2	222.4	157.7	44.1	5.70			
	1954	102.7	328.7	288.0	207.0	144.1	43.6	5.57			
	1955	114.9	359.2	311.7	229.7	162.1	40.6	6.99			
	1956	94.5	309.2	331.8	247.0	142.4	44.1	6.69			
	1957	95.9	310.5	304.1	238.8	148.9	43.3	5.71			
	1958	93.2	311.1	316.7	274.8	152.5	50.3	6.00			
	1959	86.4	326.2	332.2	277.0	159.2	50.2	6.16			
	1960	86.6	307.3	318.4	279.2	143.2	52.7	3.93			
of Sabaragamuwa		61.6 56.2 50.5 52.9 61.2	259.0 244.2 237.9 225.2 227.8	312.1 311.1 289.5 282.4 265.4	246.1 238.9 224.5 223.6 238.7	146.6 142.2 140.4 241.7 147.9	34.1 36.3 33.9 36.5 37.9	5.30 5.15 4.88 4.81 4.90			
but enable only a prevalent metone While is in physical	1957 1958 1959 1960	59.8 59.8 56.3 53.0	223.2 214.3 215.6 217.2	263.7 250.7 263.9 248.4	237.5 235.6 244.1 247.2	154.5 147.7 158.3 163.0	40.5 31.5 40.2 42.4	4.90 4.73 4.89 4.86			

TABLE XXII

Age Specific Birth Rates 1952—1960 (Contd.)

	Age	Specific Birti	n Rates 195	2—1900.	Coma.).			
Ratnapura	1952 1953 1954 1955 1956	73.4 65.3 61.6 64.9 66.9	278.7 266.0 268.2 255.8 252.9	322.7 318.8 312.1 297.1 271.7	263.0 254.9 242.5 235.9 250.5	154.7 153.5 152.1 151.7 151.4	34.9 36.7 38.7 37.0 44.3	5.64 5.48 5.38 5.21 5.19
	1957 1958 1959 1960	62.6 62.3 61.6 59.2	241.9 236.9 241.0 236.1	275.3 272.0 191.1 270.5	242.7 242.7 254.4 258.3	157.8 154.0 163.1 167.8	44.4 41.1 42.7 48.3	5.21 5.06 5.30 5.20
Kegalle	1952 1953 1954 1955 1956	52.1 48.9 58.1 43.3 55.6	242.9 226.4 227.2 200.3 205.9	303.2 304.7 272.1 270.1 259.9	231.6 225.1 211.2 213.1 228.4	139.8 132.6 131.4 133.3 144.8	33.4 35.9 33.6 36.1 32.3	5.02 4.62 4.67 4.48 4.63
	1957 1958 1959 1960	57.1 57.5 51.1 47.0	206.7 194.4 193.3 200.6	253.8 232.4 240.7 229.5	232.9 229.3 235.0 237.4	151.6 142.2 154.1 158.7	37.0 33.5 38.0 37.2	4.70 4.45 4.56 4.55

Source: Reports of the Registrar General of Ceylon.

Note: Rates are births per 1,000 women in each age group.

The age specific rates are dependent to a large extent on the age of marriage. The average age of marriage for females, for general marriages in Ceylon in 1957, was 22·73. It ranged from a high of 25·19 in the Matara District to a low of 19·86 in the Vavuniya District. For Kandyan marriages, the average age was 20·75 ranging between 21·47 in the Nuwara Eliya District to 19·74 in the Vavuniya District, while for Muslim marriages, the average age was 18·3 ranging from 21·6 in the Hambantota District to 16·3 in the Batticaloa District. Where the fertility tended to be greater in the lower age groups, such as in the Puttalam, Batticaloa, Vavuniya and Trincomalee Districts, the average age at marriage tended to be much lower than in areas where fertility tended to be greater in the higher age groups. Age of marriage is also related to total fertility—the sum of the age specific fertility rates expressed as the number of children per women. There is a negative correlation (-0·43) between the two. The lower the age of marriage, the greater the number of children born per woman.

The Gross Reproduction Rates—the sum of the age specific rates based on female births—give an indication of the number of daughters a woman would produce in her child bearing period provided she continued to the end of her period and behaved as far as reproduction was concerned as other women in her community. Statistical data, however, are inadequate to compute these rates over a long period of time—a procedure that would enable the identification of trends. Table 24 shows the Average Gross Reproduction Rates during the period 1950—1960 for the different districts. It has varied from district to district and produced the general pattern of a lower rate in the more densely populated south west section of the country and a higher rate in the more sparsely populated areas.

Births and birth rates are limited first by the biological factors that enable only women and women of a certain age group to give birth and then by the prevalent customs and mores which restrict this activity to an even smaller segment. While it is physically