

Census of India, 1931

VOLUME XXVIII

TRAVANCORE

PART I-REPORT

Вy

RAO SAHIB N. KUNJAN PILLAI, M. A., B. Sc. (Edin.), Ph. D. (Leipzig),
CENSUS COMMISSIONER, TRAVANCORE

TRIVANDRUM 'PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESS, 1932 '

CONTENTS

	
•	Pag
Introduction Introductory—Appointment of the Census Commissioner—Date and time of the	
Census—Preliminary operations—Preliminary enumeration—Final enumeration— Tabulation—Special enquiries—The Report—Cost of the Census—Acknowledgments.	•
Chapter I—Distribution and Movement of Population .	
Section I—Distribution of the Population	
Introductory remarks—Area dealt with—Administrative and natural divisions—Definition of population—Accuracy of the enumeration—Normal population—Actual population of the State and its divisions—Distribution by taluk—Comparison with other Indian States and provinces and foreign countries—Density of population—Density compared with other States, provinces and countries—Density by administrative and natural divisions—Density by taluk—Distribution of population in taluks according to density—Factors affecting density—Density in terms of acreage per person and proximity in yards—Median point and centre of population and area.	
Section II—Movement of Population	18
Early account of the population—Movement of population during the last fifty years—Conditions of the decade—Movement of population in the decade 1921-1931—Balance of migration—Accuracy of the vital statistics tested—Number of births in the decade estimated—Birth-rate in the decade calculated—Under-enumeration in 1921—Birth-rate calculated from fertility rates—Death-rate in the decade—Deduced population and rate of increase at different censuses—Variation in the rate of increase—The normal rate of natural increase—Variation in the actual and natural population compared—Growth of population in Travancore compared with other States and provinces in India—Explanation for the larger decennial increase in Travancore than in other parts of India—Movement of population—Population is out-growing the means of subsistence—The low standard of living—Remedies for over-population.	
Section III—Houses and Families	47
Number of occupied houses and families—House-room—House-density—Tendency for the break-up of joint families—Buildings other than houses. Subsidiary Tables	52
Chapter II—The Population of Towns and Villages	
Definition of town—Variation in the area since 1921—Number and types of towns— The urban population—Distribution of the urban population in different types of towns—Average population of the different types of towns—Distribution of the urban population in administrative and natural divisions—Proportion of urban to rural population—The growth of urban population—Density in urban area—Houses and families in urban area—Birthplace of the urban population—Religion in towns—Sex in towns—Age constitution of the urban population—Major municipal towns—Villages: Description and number—Rural population and its variation. Subsidiary Tables	58
Chapter III—Birthplace and Migration	
Factors affecting internal migration—Migration between different divisions in the State—Internal migration in relation to density of population—Migration between taluks—External migration—Immigrants—Immigrants by sex and religion—Variation of immigrants at different censuses—Immigrants in tea, rubber and cardamom estates—Immigrants in estates classified according to the period of their stay—Emigrants from the State—Main currents of external migration—Types of migration—Economic aspect of migration.	77
Subsidiary Tables	88
Chapter IV—Age	91
Nature of the age return—Effect of migration on the age distribution—General age distribution—Comparison of the age distribution at the last three censuses—Comparison of the variations in the proportions in different age-groups at the last three censuses—Age distribution by natural division—Age distribution in urban ages—	

Age distribution by religion—Age distribution by caste or tribe—Variations by age-periods—Mean age—Median age—Sundburg's age categories—Recorded crude birth-rates—Effect of the present age constitution on future birth-rates—Fertility—Recorded crude death-rates—Effect of the present age constitution on the future death-rate—Specific rates of mortality—Life table—Deduced crude death-rate—Longevity—Centenarians.	Page
Subsidiary Tables	118
Chapter V—Part I—Sex Sex ratio of the actual population of the State—Sex ratio of the natural population— Effect of migration on sex ratio—Sex proportion in rural and urban areas—Comparison with other States, provinces and countries—Sex proportions by religion— Sex ratio by caste or tribe—Sex ratio by locality—Sex proportions at birth—Sex ratio at death—Sex proportions at different ages—Sex determination.	126
Chapter V—Part II—Enquiry regarding Fertility and Mortality Nature and method of the enquiry—Number of married women brought under enquiry—Distribution of women included in the enquiry by age-period—The sex of the first-born—Relation between the sex at first and subsequent births—Sex at birth by casts—Size and sex constitution of families—Average size of the family in the State and in towns—Sex constitution of children—Size of family by the occupation of the husband—Size of family by casts and religion—The average age of marriage of females of different communities—Influence of the age of wife at marriage on the size of the family—Influence of the age of marriage of wife on the survival ratio of children—Relation between the duration of marriage and the size of the family—Correlation between the age of marriage of wife and the period before first birth—Influence of the disparity in the ages of husband and wife on fertility—Proportion of sterile to fertile marriages—Influence of the age of wife at marriage on the proportion of still-born to quick-born children—Balance of births and deaths.	139
Subsidiary Tables	154
Chapter VI—Civil Condition—Part I—Descriptive Forms of marriage—Thalikettukalyanam and sambandham—Sexual morality among Primitive Tribes—Polygamy—Polyandry—Hypergamy—Cousin marriage—Exogamy and eugenics—Matriarchy or mother-right—Legislation affecting marriage—Devadasis—Social position of women.	161
Chapter VI—Civil Condition—Part II—Statistical Universality of marriage—The early age of marriage—The large proportion of widows— Civil condition by religion—Civil condition by natural division—Civil condition of rural and urban population—Civil condition by caste, tribe or race—Influence of education on marriage—Comparison with previous censuses—Proportion of wives to husbands—The widowed: comparison with India—Widows to widowers by religion—Widows to widowers by caste—Proportion of widowers and widows to the population of each sex—Widows at child-bearing period—Child marriage in Travancore and India compared—Influence of education on child marriage—Child marriage among Syrian Christians—Probable origin of child marriage—Legislation against child marriage—Early marriage—Early marriage by religion and caste—Influence of education on early marriage. Subsidiary Tables	171. 194
#	-
Chapter VII—Infirmities Accuracy of the return—Variations in infirmities since 1901—Distribution of infirmities by administrative and natural divisions—Infirmities by sex—Infirmities by age—Infirmities in towns—Combined infirmities—Insanity: Distribution and variation—Insanity by sex and age—Lunatic Asylum—Deaf-mutism: Variation and distribution—Deaf-mutism by sex and age—Blindness: Variation and distribution—Blindness by sex and age—Ophthalmic hospitals—Leprosy: Accuracy of the return—Variation and distribution—Leprosy by sex and age—Leper asylums—Elephantiasis: Accuracy of the return—Variation and distribution—Elephantiasis by sex and age—Filariasis survey—Other diseases. Subsidiary Tables	207 221
Chapter VIII—Occupation	226-
Classification of occupations—Nature of the occupation returns - Difference between the occupation returns of 1921 and 1931—Accuracy of the returns—General distribution of the population by occupation—Comparison with other States and provinces and some foreign countries—Workers and non-workers—Emmers and working dependants—Subsidiary occupations—Occupational distribution by administrative and natural divisions—Distribution of occupations in rural and urban areas—	

•	
Distribution of occupations by religion—Occupations of selected castes—Occupations of Europeans and Anglo-Indians—Occupations of females—Female earners by caste and religion—Female working dependants—Statistics of important occupations—Organized industries—Unemployment—Unemployment among the population 15 years and over—Educated unemployment: Main features of the returns—Comparison with other available statistics.	
Subsidiary Tables	•
Chapter IX—Literacy	
Scope of the return— Discrepancies in the literacy figures of 1921—Extent of literacy—Literacy in administrative and natural divisions—Literacy in urban and rural areas—Literacy by taluk—Literacy by sex—Literacy by religion—Literacy by casteribe and religion—Influence of Christianity on literacy—Literacy in the vernaculars—Literates who have completed primary education—Progress of literacy—Comparative literacy of different classes of people as per State Table II—Comparison with other States, provinces and countries—Literacy in English—Comparison with other States and provinces—Progress of education—Proportion of pupils to total population—Proportion of pupils in primary schools to the population of school-going age—Wastage in education—Relapse into illiteracy.—Subsidiary Tables	
Chapter X—Language	. ;
Introductory remarks—Accuracy of the return—Main features of the return—Distribution of languages by locality—Languages classified by family and group—Languages compared with castes and communities—Language and literacy—Bilingualism—The lingua franca movement—Relation between Malayalam and Tamil—Growth of the Malayalam language.	
Subsidiary Tables	_
Chapter XI—Religion	
Introductory remarks—General religious distribution—Distribution of population by religion in administrative and natural divisions—Religious distribution of population in urban and rural areas—Comparative growth of different religions—Tribal Religions and Hinduism—Statistics of Tribal Religions—Hinduism in Travancore—Hindus: their number and variations—Distribution of Hindus by taluk—Aryas—Brahmos—Christians: their number and variations—Distribution of Christians by taluk—The sects of Christians—Yuyomayam—Christian missions—Muslims: their number and variations—Distribution of Muslims by taluk—Sects of Muslims—Other religions.	
Subsidiary Tables	;
Appendix to Chapter XI—Hinduism in Travancore	ı
Chapter XII—Caste, Tribe and Race	
Introductory remarks—Origin of caste—Caste in Southern India—Caste in Kerala—Fusion of sub-castes—Fusion of castes following the same occupation—Classifying population by occupation—Substitution of new caste names for old—Refusal to return caste—Causes which accentuate caste exclusiveness—Number of castes returned and number presented in Table XVII—Description and statistics of main castes, tribes and races—Hindus—Primitive Tribes—Hindu castes and tribes classified according to their system of inheritance—Anglo-Indian—European and allied races—Syrian and other Indian Christians—Muslim—Other races. Subsidiary Tables	
Appendix I—Primitive Tribes	. ;
Introductory remarks—Distribution of the tribes—Physical characters—Manners and customs—Clans and exogamy—Cousin marriage—Clans from which chiefs are drawn—Dwellings and materials used in construction—Weapons used by the Primitive Tribes—System of agriculture—Village organization—Traditions of origin—Disposal of the dead—Megalithic monuments—Ideas as to the sun, the moon, earthquake, etc.—Clash of culture—Remedies for depopulation—Rules for the treatment and management of hillmen.	
Appendix II—The Depressed and the Backward Classes	4
Introductory remarks—Difference between the Depressed and the Backward Classes—Attempts to improve their condition—Measures adopted by the Government—Work of non-official agencies—Attempts at self-improvement—Social organizations.	·
Appendix III—The Declining Industries	
(i) Silk-weaving—Historical—Manufacture of silver and gold threads—Preparation of silk varu—Warping—Weaving—Frilling—Economic aspect of the industry (ii) The	

CONTENTS

Bell-metal industry—Brass casting—Bronze casting—Process of manufacture—Composition of alloys—Economic aspect of the industry. (iii) The metal-mirror (Aranmula Kannadi)—Introductory—Historical—Composition of the alloy—Process of manufacture—Economic aspect of the industry. (iv) Steel industry—Preparation of the ore—Smelting—Manufacture of steel articles—(v) Screw-pine mat weaving—Bleaching, seasoning and dressing the leaf—Weaving and edging—Causes of decline of the industry—Scope for development—(vi) Wood seasoning (vii) Palm-leaf umbrella making. (viii) Preparation of occonut jaggery—Process of manufacture—Economic aspect, present condition and revival of the industry. (ix) Preparation of palmyra sugar-candy—Tapping—Manufacture—Causes of decline of the industry.

Appendix IV—The Economic Condition of the People

(i) Introduction—Scope of the enquiry—Nature of the return—Method of tabulation—Treatment of the subject—Census of wages. (ii) Wealth—Definition and classification—Extent and value of land—Distribution of land—Effect of partition of tarwad properties on the distribution of land among Nayars and Ilavas—Houses—Agricultural implements—Movable properties—Investmente—Total wealth—Distribution of wealth by division and taluk. (iii) Debt—Classification—Mortgages—Hypothecations—Unsecured debts—Total debt—Rates of interest—Distribution of debt by division and taluk—Sales, mortgages and hypothecations of land executed by certain communities. (iv) Income—Definition and method of

Appendix V—The Cattle Census

industries.

499

PAGE

466

Introductory remarks — Previous censuses—Scope of the present census—Method of the census—Results of the census—Comparison with British India—Draught cattle—Milking cattle—Milk Supply—Breeding bulls—Improvement of cattle.

computation—Classification—Agricultural earners—Size of agricultural holdings—Rent from land—Income from cultivation—Income from other occupations—Income from investments—Total income—Income by community—Distribution of income among earners—Income by taluk—Income by occupation—National income. (v) Wages—Agricultural wages—Wages of artizans—Wages in organized

Summary

Index

507

519

INTRODUCTION

Census-taking is a very ancient institution. About 4,000 years before Christ the Introductory. Babylonians had instituted a system of revenue returns which was developed in course of time into an efficient machinery for the estimation of the country's wealth. The Egyptians had started the collection of statistics of labour about 3,000 B. C. in connection with the construction of the pyramids, and the Chinese also had collected statistics of agriculture, industry and commerce from about that time. The Hebrews took regular censuses to ascertain the man-power available for military purposes. The ancient Greeks and Romans had undertaken the census periodically for the purpose of registering the rights of citizenship. With the expansion of the Roman Empire census-taking became a world-wide institution, but it disappeared with the disintegration of that Empire. In India too censustaking was a well-established practice in ancient times. The Edicts of Asoka, the great Mauryan Emperor of the third century B. C., refer to the census as a permanent institution. It "included not only the total number of all the four castes in each village, but an account of the exact number of cultivators, cowherds, merchants, artizans, labourers and slaves as well as an account of biped and quadruped animals." (J. N. Saaddar, The Glories of Magadha, pp. 88-89.)

As regards Travancore, the first census about which detailed information is available is the one taken by Ward and Conner in the years 1816-1820 A.D. But there are grounds to believe that frequent attempts were made by the earlier rulers of the State to collect statistics of the population and the resources of the country. Bartolomeo mentions one such instance which took place in 1787 when the king of Travancore was about to impose a poll-tax on the Christians of St. Thomas on the coast of Malabar. The State records show that a regular census was taken in Travancore in 1836 and another in 1854. Very little reliance could be placed on the results of these earlier censuses. The first systematic census which might claim a certain degree of accuracy was the one conducted in 1875. The next census was taken in 1881 and since then there was one regularly at the end of every ten years. The census of 1931 is, therefore, the seventh systematic census and the sixth in the series of decennial censuses taken in this State.

2. The first step in connection with the taking of the census is the appointment of Appointment of the officer to be in charge of the operations. I was appointed Census Commissioner in Commissioner. November 1929 which gave me one year and three months to make the necessary arrangements and get through the preliminary stages.

- The final census was taken in Travancore on the morning of the 27th February Date and time 1931. In British India it took place on the previous night. Owing to peculiar physical of the census. features of the country and the scattered distribution of houses a night enumeration is impracticable in this State, and it has, therefore, always been the practice to make the final count during daytime. At all the censuses previous to 1921 the final census was taken in this State synchronously with that in Cochin State and British Malabar on the day following the night on which the British Indian census took place. In 1921 a deviation was made by Travancore alone taking the census on the morning of the day on which it was taken in British India, while Cochin State and British Malabar continued the previous practice of having it on the following morning. I changed the procedure with the permission of the Census Commissioner for India and the sanction of the Government of Travancore and, following suit with Cochin and Malabar, took the final census between 7 A. M. and 9 A. M. on the 27th February 1931.
- The Administrative Volume of the Census Report gives a detailed description Preliminary of the machinery employed for taking the census and of the procedure followed in tabulating operations. the results. That volume is intended for the guidance of the future Census Commissioners and other officers who will have to collaborate with him. A brief sketch of the procedure adopted in the various stages of the operations is given here for the information of the general reader who may not have access to the Administrative Volume and who may not be interested, even if it be accessible, in the detailed account contained therein. For purposes of the census the State was divided into urban and rural areas. The municipal towns, together with certain other places which were treated as towns under the Police Regulation and were provided with conservancy arrangements, constituted the urban area

and the rest of the country was treated as rural. The number of municipal towns was 19 as in 1921, but the number of other towns was increased from 19 to 27. The ordinary revenue village (pakuthi) being too large for statistical comparisons the residential village known as kara or muri was adopted as the territorial unit in rural area as in the previous censuses. In municipal towns the ward was taken as the unit.

5. Regulation III of 1105 legalising all proceedings connected with the census was passed in May 1930. A general plan of the census operations, together with a calendar showing the dates of commencement and termination of the different stages, was published in June 1930. The Census Code, Part I, dealing with the procedure in enumeration and containing instructions to various census officers, was published in September 1930. Part II of the Code which described the methods of tabulation and compilation was published by the end of January 1931. Immediately after I assumed charge of my appointment the Tahsildars and Municipal Presidents were requested to prepare lists of karas in taluks and of wards in towns. The lists received from them were consolidated into a kara register for the whole State. The buildings in each kara or ward were listed in prescribed forms and were afterwards numbered serially for each kara in taluks and for each ward in the municipal towns. The kara register was ready by the 15th June 1930. The preparation of the house lists which was the next operation was commenced on the 30th June and completed by the 15th August and the numbering of houses was finished in September. Both these works were attended to by the village staff in rural areas, by the municipal subordinates in municipal towns and by the conservancy staff in census towns. The agencies employed were not paid any remuneration except in a few places where suitable hands were not available otherwise. The abstracts of house lists received from all the taluks and municipal towns were verified to make sure that there was no omission of karas on the one hand or overlapping on the other. The next item of work, viz., the formation of census divisions and the appointment of census officers, was then taken up. The karas and wards were divided into blocks, each consisting of about 30 houses on an average in rural parts and 50 in the towns, the size of the block being fixed with reference to the number of houses that could conveniently be visited by an enumerator on the census morning. The blocks were grouped into circles each containing about 10 blocks. The circles in a taluk including those in the census towns constituted a charge, while those in a municipal town were grouped into a separate charge. On the whole, there were 49 charges consisting of 30 taluks and 19 municipal towns. The Tahsildars were the Charge Superintendents for their respective taluks and the Municipal Presidents for the towns. The Divisional Forest Officers were appointed as Charge Superintendents for the forest areas within their jurisdictions and were instructed to communicate the total figures of the preliminary and final enumerations to the Tahsildars concerned for incorporation in the taluk figures. Similarly, the Sanitary Circle Officers were appointed as Charge Superintendents for the census towns in their districts for purposes of inspection only, all administrative control being vested in the Tahsildars of the taluks in which those towns were situated. The heads of certain departments, the employes of which had to be engaged for census work, were appointed as District Census Officers to supervise the work of their subordinates.

The British Indian schedule was adopted in its entirety in this State, together with six additional columns to record particulars of emigrants from the State.

Preliminary enumeration.

By the end of October 1930 the charge and circle registers were prepared and the agency for the preliminary enumeration was selected. The experiment of employing the teachers in vernacular schools as enumerators and supervisors for the preliminary enumeration, which was first tried in 1921 and was found to be successful, was repeated this time also. In a few charges the revenue and municipal subordinates were also engaged for this purpose. As the enumerators had to collect on separate schedules additional information for the purpose of the special economic enquiry ordered by the Government, the period of the preliminary enumeration was fixed at two months from the 15th November 1930, and in order to enable the Tahsildars to cope with the additional work of supervision involved, particularly on account of the economic enquiry, each Tahsildar Charge Superintendent was given an assistant selected from among competent undergraduate teachers in departmental English schools for the whole period of the preliminary enumeration. Weekly reports on the progress of the preliminary enumeration were received from the Charge Superintendents, and as soon as the operations were completed summaries of the results were sent to the Census Office, where they were scrutinized and abnormal variations, if any, were duly corrected in consultation with the Charge Superintendents. Altogether 3,588 enumerators and 793 supervisors were employed for the preliminary enumeration. For

the final counting on the census day each enumerator had to do only one block and each supervisor had about 10 blocks under him. But for the preliminary enumeration which was conducted in the course of two months about 9 to 10 blocks were assigned to each enumerator and 40 to 45 blocks to each supervisor.

- 7. In pursuance of a circular issued by the Government the heads of departments and offices had furnished to the Division Peishkars and the Commissioner, Devikulam, by the 15th December 1930, lists of employés under them drawing Rs. 100 and below per mensem for recruitment as enumerators and supervisors for the final census. Persons available for the different charges were selected from these lists and their names communicated to the Charge Superintendents by the 1st January 1931. In places where the requisite numbers of Government employés were not available, the Charge Superintendents indented upon the services of private persons. The final enumeration in the forest areas was conducted by the employés of the Forest Department, and that of the inmates of jails, police lock-ups, reformatories, hospitals and asylums by the officers in charge of those institutions. With the co-operation of the railway authorities suitable arrangements were made for platform and train enumeration.
- 8. Every precaution was taken to ensure a correct enumeration of the floating population. Printed instructions for the purpose were distributed among the enumerators and supervisors. By means of a notification the public were requested to be in their houses on the census morning and to abstain as far as possible from celebrating marriages and other ceremonies on that forenoon. All shops, bazaars and markets were closed and motor traffic was stopped for a few hours on the morning of the census. Special enumerators were appointed for landing ghats in rivers and backwaters, frontier chowkeys, convenient road stations and places where crowds of people were likely to congregate in connection with fairs and social or religious festivals.
- 9. 3,618 supervisors and 35,981 enumerators were engaged for the final census, of whom only 17,994 or 45'4 per cent. were Government servants. In most of the taluks the services of private gentlemen, such as vakils, landlords, merchants and even grown-upstudents, had to be utilized, the total number of private persons thus employed being 21,605 as against 15,679 in 1921. The instructions issued by the Government were faithfully observed everywhere and the public willingly and heartily co-operated with the Government officers in making the census a complete success.
- the totals for their charges and communicated the same by telegram to the Census Office. Proper arrangements had been made by the Charge Superintendents to obtain the figures from the outlying parts of their charges in time to be able to despatch the telegram on the same evening. The first telegram was received from the Kulithura Municipal Town at 2.8 p. m. on the 27th February and that was soon followed by others which continued to arrive till 10-33 p. m. on the same night. The figures received from the different charges were immediately consolidated in the Census Office. The provisional totals for the State could have been communicated to the Census Commissioner for India on the same night but for the much regretted delay in getting the figures for the Ampalapula and Minachil taluks. The express telegrams despatched by the Tahsildars of these two taluks on the evening of the 27th February were unfortunately delayed in transmission owing to some disorder in the telegraph line. These two telegrams were received at about 7 a. m. on the 28th February and the provisional totals were communicated to Government by messenger and to the Census Commissioner for India by telegram at 8-30 a. m. The difference between the provisional totals telegraped and the actual figures obtained after slip-copying was only. 0.2 per cent.
- 11. In the meantime, the Tabulation Office with the requisite copying and controlling Tabulation. staff was organized at the central office. It was divided into four sections, one for each of the Southern, Central, and Northern administrative divisions of the State and another fore the High Range Division and the municipal towns together. As the enumeration books arrived from each charge they were checked with the charge and circle summaries to make; sure that there was a book for every block enumerated. Slip-copying, i. e., copying these entries in the schedules on slips, which was the first process in the chain of post-census operations, was started on the 14th March 1931 and completed by the 6th June. Slips of different colours with the prescribed conventional symbols to denote sex and civil conditions were used for this purpose. Sorting for the different tables which was taken up next was begun on the 23rd June 1931 and finished by the 16th September. The establishment in the

Final enumeration, sorting stage consisted of four sections, of which three were engaged in sorting and one in compilation. By the time sorting was finished nine out of 20 Imperial Tables had been compiled and printed, and the compilation of two other tables had been completed. Compilation for the remaining tables continued for about three months more and the whole work was finished by the 12th January 1932. The compilation of the Provincial Tables and the preparation of the Subsidiary Tables for the Report were done in the Census Office.

A special circumstance deserving mention in this census is that a number of qualified women were employed in copying, sorting and compilation. The work turned out by them compared very favourably, both in quality and quantity, with that of some of the ablest of men workers.

Special enquiries.

12. A unique feature of the 1931 census is the large number of special enquiries conducted along with it. The State Government ordered that certain statistics relating to the economic condition of the people should be collected along with the population census. It was decided to utilize the services of the enumerators employed for the preliminary enumeration to collect this additional information. A special schedule was printed for the purpose. As it was apprehended that, on account of the novelty of the enquiry and the variety of information that was proposed to be collected, the people might naturally hesitate to furnish correct returns, regular propaganda was undertaken through the Press and by the publication of leastets, explaining the object and utility of the enquiry. The filled-up schedules were returned to the Census Office where the results were tabulated by a special staff. As per orders of the Government a census of the wages of agricultural and industrial labourers was also undertaken. A census of unemployment among literates in English as suggested by the Census Commissioner for India was taken on a special schedule. This opportunity was also availed of to collect similar information regarding literates in the vernaculars of the State. The schedules were distributed and collected by the enumerators employed for the preliminary enumeration and the results are embodied in Imperial Table XII, Parts I and II. A somewhat detailed enquiry was conducted about the Primitive Tribes, with special reference to the effect on their condition and customs of their contact with civilization, and also about some of the chief declining industries of the State. Another enquiry that was undertaken in this State was the one regarding fertility and mortality. Particulars of more than 100,000 married women were recorded on a schedule specially prepared for the purpose. The results were tabulated and certain interesting inferences deduced therefrom have been incorporated in the chapter on Sex in the Report. As was done in the last two censuses, a census of agricultural live-stock and implements was taken this time also. The work was done by the agencies employed for housenumbering.

The Report.

13. The drafting of the Report was taken in hand as soon as the Imperial Tables were compiled and the Subsidiary Tables for the first few chapters were prepared. The Report which forms Volume XXVIII of the series of Reports on the Census of India consists, as usual, of four parts. Part I is the Report proper and contains twelve chapters as prescribed by the Census Commissioner for India and five appendices. Appendix I deals with the Primitive Tribes, Appendix II with the Depressed and the Backward Classes, Appendix III with the declining industries, Appendix IV with the economic condition of the people and Appendix V with the cattle census. In preparing the Report I have followed as closely as possible the instructions issued by the Census Commissioner for India and modelled it mainly on the lines of the India Report of 1921. I have attempted, as best as I could, to explain the significance of the statistics presented. To elucidate the figures I have included a large number of maps and diagrams, much more than were used in the previous census reports of Travancore, and this may be regarded as a characteristic feature of the present Report. Part II of the Report contains all the Imperial Tables (20 in number) and seven State Tables. In the Imperial Tables figures are given for the State as a whole and for the different administrative and natural divisions. Part III which is mainly intended for local use contains the Provincial Tables giving figures by taluk corresponding to the figures by division contained in Imperial Tables, as well as the Pakuthi Register showing the population of the pakuthis by religion and literacy, and the Kara Register giving the number of occupied houses and population by kara. Part IV is the Administrative Volume which describes fully the methods followed in the taking of the census and in the tabulation of the results, the defects discovered in these methods and the suggestions to avoid them in future censuses.

It may be noted that in regard to the spelling of local names used in the Report and Tables I have made a deviation from the ordinary method and tried to secure uniformity by making the transliteration conform to the sounds intended to be conveyed. I give below The key to the pronunciation of certain vowels and consonants for which I have used ā = NI, €®. special symbols.

14. The total cost of the present census is estimated to stand at about Rs. 1,50,800 cost of the including the sum of Rs. 11,000 put down for the printing of schedules, forms, the Report Gensus. and the Tables, for which actual figures have not yet been received, as well as the probable expenditure that may have to be incurred hereafter. From the total expenditure a sum of Rs. 1,000 has to be deducted, being the amount which has been realised and which may hereafter be realised by the sale of waste paper and furniture, so that the net expenditure may be taken to be Rs. 1,49,800. This includes a sum of Rs. 28,440 incurred on account of the economic census specially taken in this State alone. For comparison with the cost of census in other parts of India the latter should be excluded from the total expenditure. If this is done, the net expenditure on account of the population census and the special enquiries conducted as per the instructions of the Census Commissioner for India will be Rs. 1,21,360, which will work out to Rs. 23-12 annas per 1,000 of the population. The corresponding cost of the present census in Baroda, Ajmer-Merwara, and Rajputana States, for which alone figures have been received so far, is Rs. 43-11-0, Rs. 35-6-11, and Rs. 25-2-10 respectively. To institute a comparison between the cost of the present and the previous census in Travancore certain deductions have to be made from the net expenditure of Rs. 1,21,360 mentioned above. The pay of the Census Commissioner is a variable item depending upon the status of the officer selected for the appointment. There is an excess of Rs. 3,948 under this head for the present census over that of the previous. At the last census a Government building was available to hold the Census Office; but now a private building had to be hired for which a sum of Rs. 2,460 had to be paid towards rent. The special enquiries conducted at the instance of the Census Commissioner for India, which necessitated the appointment of an Ethnographist for a period of nine months and of an officer of the Department of Industries on special duty for six months, had cost Rs. 5,730. There was no such expenditure at the last census. Deducting these three items from the total, the expenditure for the present census which could be compared with that of the previous one in this State would amount to Rs. 1,09,222 as against Rs. 89,459 for the 1921 census. The cost per mille of the population on the basis of the above figures works out to Rs. 21-7 annas for the present census and Rs. 22-5 annas for the last.

15. My first duty is to express my deep indebtedness to the Government of His Acknowledge Highness the Maha Rajah for the confidence they placed in me and for the generous ments. support they extended to me throughout my work. To Dr. J. H. Hutton, C. I. E., Census Commissioner for India, I tender my warmest thanks for his valuable advice and many useful suggestions which made my task lighter than it would otherwise have been. He paid a visit to Travancore in September 1931 and inspected the local Census Office, which no previous India Commissioner did. My personal discussion with him on that occasion and my participation in the Conference of Census Officers convened by him at Delhi in January 1931 enabled me to avoid many pitfalls common in census operations.

No Census Commissioner would be able to bring his work to a successful close without the hearty co-operation of his brother officers and the general public. I am glad to acknowledge with gratitude that I received such co-operation in abundance. Foremost among the officers who helped me in one form or other are the Commandant, Nayar Brigade, the Land Revenue and Income-Tax Commissioner, the Chief Engineer, the Director of Public Instruction, the Commissioner of Police, the Inspecting Medical Officer, the Conservator of Forests, the Excise Commissioner, the Sanitary Commissioner, the Dewan Peishkars, the Commissioner, Devikulam, and the Principal Port Officer. To all of them I offer my best thanks. My thanks are also due to the Presidents of Municipal Councils, the Tahsildars, the Divisional Forest Officers, and the Sanitary Circle Officers

who, as Charge Superintendents, had to bear the brunt of the work in connection with the preliminary arrangements and the supervision of the actual enumeration. The school-masters and other Government and municipal employés who carried out the difficult task of preliminary enumeration, and the official and non-official gentlemen who acted as enumerators and supervisors for the final census are entitled to my special thanks.

Among the gentlemen who assisted me with material for the preparation of the Report, I must mention Mr. K. Padmanabhan Tampi, B. A., B. L., retired District Superintendent of Police, whose valuable contribution on "Hinduism in Travancore" is printed as an appendix to the Chapter on Religion. Mr. K. R. Krishna Pillai, B. A., B. L., retired Assistant Secretary to Government, furnished some interesting matter for the Chapter on Language. From Mr. T. Lakshmanan Pillai, B. A., retired Divisional Treasury Officer, and Dr. L. A. Ravi Varma, Deputy Surgeon, I received useful hints on the origin of caste in Kēraļa. I am greatly indebted to all these gentlemen for the services they have ungrudgingly rendered. The Appendix on Primitive Tribes is based mainly on the notes supplied by Mr. L. A. Krishna lyer, M. A., whom at my request the Government placed on special duty for a period of nine months to enquire into the condition and customs of these tribes. The material for the Appendix on Declining Industries was collected by Mr. M. P. G. Nair, Textile Expert in the Department of Industries, who was also specially deputed for the purpose by the Government. I am much obliged to both these officers for the valuable work they have done.

Coming to my own staff, I have great pleasure in recording my genuine appreciation of the highly satisfactory manner in which every one of them discharged his duties. Mr. R. Sankara Iyer, B. A., B. L., my Personal Assistant, was in charge of the office from start to finish. His faithful devotion to duty, immense capacity for work, and scrupulous attention to details enabled me to leave the entire management of the office safely in his hands. He is not only an indefatigable worker himself, but knows the art of making others work like himself. I am highly grateful to him for his loyal co-operation and valuable assistance. Next to him I must acknowledge the services of Mr. N. Parameswaran Pillai, M. A., Statistical Superintendent. His proficiency in statistical methods and his clear grasp of complicated mathematical problems were of great help to me in explaining the large increase of population in the last decade. He was in sole charge of the tabulation of the results of the enquiry regarding fertility and mortality and of the economic census. Mr. R. Govinda Pillai, B. A., the head clerk, was an able lieutenant to the Personal Assistant, and he spared no pains in the efficient discharge of his duties. The other members of the staff also (Messrs. S. Thandaveswara Iyer, P. K. Subramonia Iyer, N. Subbiah Chettiar and M. Thanu Pillai, B. A.,) did their part equally well. The work of the draftsman, Mr. K. Rama Iyengar, deserves special mention. The maps and diagrams included in the Report are all his productions, and they bear ample testimony to his ability and taste in drawing. I am grateful to Mr. A. Padmanabha Iyer for the assistance he has rendered in the preparation of the index which, I hope, is a useful addition to the Report.

The maps were printed at the Trivandrum Art Printing Works whose excellence in lithography is seen in every one of them. The half-tone blocks reproduced in the appendices were made at the Bangalore Press, and they testify to the excellent workmanship of this leading press in Bangalore.

I have reserved to the last my acknowledgments to the Travancore Government Press, where all the printing in connection with the census in this State was done. It is creditable that this institution was able to cope with the tremendous work it had to do at the early stages in printing the schedules, forms and slips, of which there were several series, each running into many thousands. The printing of the Report and the Tables was a more difficult task; but the Government Press proved equal to the occasion. Mr. T. Nilakanta Pillai, the Superintendent, took special interest in the printing of these volumes, and to his close supervision as much as to the efficiency of his staff is due their excellent finish, for which I express my deep personal obligations to the Superintendent.

CORRIGENDA

PAGE 11, marginal table, column 6, line 2, read 1,037 for 1,087.

- .. 22, first marginal table, column heading. read Year for Decade.
- ., 24, line 14, read 11,40,76,495 for 11,40,76,496.
- .. 30, line 47, read 39,857 for 39,880.
- .. 59, marginal table, combined heading of columns 4 and 5, read Variation for Increase.
- ,, 62, marginal table, column 4, line 2, read 35.5 for 35.6.
- ,, 127, line 42, read 3,783 for 4,783.
- . 132, against Krishnanvaka, in column 2 of the table, read 969 for 889.
- ., 185, line 40, read 1,163 for 1,152.
- ,, 140, line 39, read 1,131 for 1,132.
- ., 147, first table, column 2, line 1, read 18,456 for 18,476.
- ,, 147, last table, column 5, line 5, read 47 for 74.
- ,, 154, Note to Subsidiary Table I, line 1, read at for for.
- ., 160, column 18, line 2, read 789 for 879.
- ,. 168, line 38, read II of 1100 for I of 1088.
- .. 181, column 6 of table, line 8, read 413 for 449.
- , 188, second table, column 13, line 6, read 136 for 138.
- .. 187, first table, column 2. line 4, read 30 for 80.
- .. 194, column 3, against Hindu males of 5-10 years, read 999 for 997.
- ., 217, line 20, read III for II.
- ,, 237, line 1, read over thrice for nearly twice.
- ., 289, line 17, read 49 for 48.
- ., 251, marginal table, column 3, line 5, read 14,426 for 14,428.
- .. 252, line 4, read 46 for 48.
- .. 252, marginal heading of paragraph 338, read Sub-class for Sub-clause.
- . 265, column 4, against group 98, read 9.532 for 9,932.
- .. 269, column 8 against Domestic service under Brahman, read 402 for 202
- ., 387, line 45, read 257 for 227.
- ,, 898, foot-note, read 28 for 28.
- .. 426, para 116, sub-para 1, line 1, read areas for are as.
- ,, 483, last column against Central Division in table, read 1,260 for 1.206.
- ., 504, line 21, read 10 for 5.

The Report consists of twelve chapters and five appendices. The first chapter Chapter I deals with the distribution and movement of the population of the State as a whole, its Distribution and movement of population. administrative and natural divisions and taluks.

There has been no change in the area of the State or in the number of divisions or taluks, though the boundaries of the natural divisions have been suitably altered at the present census. The de facto population of Travancore, according to the present census, is 5,095,973. The State holds the 19th place in size and the third in population among the Indian States, the only ones having a larger population being Hyderabad and Mysore. Travancore has a mean density of 668 persons per square mile which, when calculated on the cultivable land and the land actually cultivated, rises to 1,072 and 1,482 respectively, each person having three-fifths of an acre of cultivable land and two-fifths of an acre of cultivated land. In India Cochin alone, and outside India only Java and Madura, England and Wales, and Belgium, have slightly higher densities than Travancore.

The recorded increase in the population in the last decade is 27.2 per cent. But it has been proved that there was under-enumeration in the census of 1921 and if allowance is made for this under-enumeration, the increase in the actual population would drop to 24.8 per cent. Of this increase, 1.1 per cent. has been caused by the balance of migration so that the increase in the natural population may be taken to be 23.7 per cent. In the adjoining State of Cochin the increase is 23.1 per cent. The decennial growth of the population has always been greater in Travancore than in India as a whole and in most Provinces and States, the peculiar physical and economic conditions of this State naturally favouring a high birth-rate and a low death-rate.

Agriculture being the main source of wealth in the State at present, the pressure of population on the means of subsistence is determined by the condition of agriculture and the possibilities of its further development, both extensively and intensively. Under the existing conditions extension of cultivation, though possible to some extent, cannot afford much relief if the present rate of growth of the population continues. The extreme sub-division and fragmentation of agricultural holdings, 95 per cent. of which are already uneconomic, and the chronic indebtedness of the cultivators render progress in revolutionizing the methods of agriculture slow, and even any increase in production that may be brought about by improved methods of cultivation is not likely to keep pace with the growth of the popula-tion. 543 per cent. of the total population is supported by agriculture, but their standard of life is very low, and to raise this standard what is really necessary is to draw away from agriculture a portion of the population now depending on it. This could only be done by the development of industry and commerce. Over-population is the combined effect of a falling death-rate and a rising birth-rate. The question of controlling the growth of population by prudential or birth-preventing checks deserves consideration.

The number of occupied houses has increased by 22 per cent. during the last decade, the increase being shared by all the divisions. The average number of persons per family is 5.46 and that per house is 5.48. It is noteworthy that as a result of the partition of the matriarchal tarwads of Nayars, Ilavas and Nanjanad Vellalas many joint families have been broken up in the latter half of the last decade

The number of towns separately censused this time is 46 consisting of 19 municipal towns as in 1921 and 27 census towns. If classified according to the chief occupations of Population of their population, their historical associations and other important factors, 23 towns are towns and villages agricultural and distributive, nine are industrial and commercial, two are market towns, two are historically important and eight are temple towns. Trivandrum, the capital of the State, and Alwaye a health resort, stand by themselves.

The urban population has grown from 404,654 to 551,788 (an increase of 25·1 per cent.) during the last decade, but the proportion of urban to total population has risen only from 10·1 per cent. in 1921 to 10·8 per cent. in 1931. About 74 per cent. of the urban population live in municipal towns, as much as 50 per cent. being congregated in the capital of the State and the nine industrial and commercial towns. The average population of a town (taking all towns together) has increased from 10,648 in 1921 to 11,995 in 1931 and that of a municipal town from 17,098 to 21,498. Barring the capital of the State, the industrial and commercial towns have the largest average population (20,030) and the temple towns the lowest (6,912). The natural growth of the urban population has been less than the increase in the general population of the State, and a more rapid urbanization of Travancore will only follow in the wake of an equally rapid industrialization of the country.

The average density of population in urban area now stands at 3,649 persons per square mile as against 2,952 in 1921. The average density in municipal towns has increased from 3,820 to 4,720 during the decade. Of all the towns, Shenkotta is the most densely populated (17,464 persons per square mile), next to it come Alleppey with a density of 9,656, Nagercoil with 9,586, and Trivandrum with 8,505. The least populous town is Attingal which has only a density of 816 persons per square mile which is less than even the density of the taluk in which it is situated.

A large majority of the population in towns consists of persons born in the taluks in which the towns are situated. The capital contains the highest proportion of persons born in the other taluks of the State and the industrial and commercial towns the highest proportion of persons born outside Travancore. 19 per cent. of the Muslims in the State, 11 per cent. of the Hindus and 8 per cent. of the Christians live in towns.

The kara or the residential village, and not the pakuthi or the revenue village, has been adopted as the territorial unit for the census. The average population of the kara has increased from 929 to 1,155 and that of the pakuthi from 8,337 to 10,494 during the decade.

Chapter III
Birthplace and migration.

The volume of external migration during the last decade has not been considerable, the total number of emigrants and immigrants together constituting only 38 per mille of the aggregate population. Internal migration was confined to 18 per mille of the State population of whom 89 per cent. moved only between contiguous divisions. The largest volume of immigration and the smallest volume of emigration are seen in localities of low density. The general proposition that immigration decreases and emigration increases as the density of population increases holds good in Travancore.

The immigrants from outside the State number 135,103 as against 73,591 in 1921. The tea, rubber and cardamom plantations alone contain 79,433 immigrants. About 81 per cent. of the immigrants are from the adjacent State of Cochin and the contiguous districts of the Madras Presidency, about 16 per cent. from the non-contiguous districts of the same Presidency, nearly two per cent. from the other parts of India and only one per cent. from countries outside India. The sexes are almost equal among Hindu immigrants, females preponderate among Christians and males among Muslims. Except in the case of immigrants from outside India the sex ratio is found to decrease as the distance between the place of birth and the place of enumeration increases. The immigrants in the tea, rubber and cardamom estates represent 59 per cent. of the aggregate immigrant population of the State, which shows that most of the immigrants in the State are labourers in the estates and are temporary or semi-permanent sojourners.

The number of emigrants from the State has increased from 30,260 in 1921 to 58,466 in 1931. The balance of external migration has always been in favour of the State. Nearly 86 per cent. of the emigrants are found in other parts of India, the largest numbers in Cochin State and the Madras Presidency. The emigrants to foreign countries number 8,482. If conditions of settlement are congenial, distance and other disadvantages do not deter the educated youth of Travancore from migrating to any country to earn a decent living, though such migration will naturally be of a temporary or semi-permanent type only.

Age.

The tea and cardamom plantations in the State employ mostly foreign labour. If they would recruit all their labour from the State itself, more than 75,000 local persons could find work there under the present conditions and to that extent the volume of unemployment in the State would be reduced.

Of the aggregate population more than 17 per cent. are under five years of age, 30 Chapter IV per cent. under ten years, more than 42 per cent. under 15, about 48 per cent. between 15-50 and a little over 9 per cent. above 50 years. There is a remarkable rise in the proportions of children under ten years and of persons over 50 to the total population, coupled with a similar fall in those of persons aged 10-15 and 15-50. The proportion of children is highest in the Midland Division, while that of adults aged 15-40 is highest in the Highland and lowest in the Midland. All the municipal towns generally disclose a higher proportion of adults. The proportion of adults and adults aged 15-40 is disclose a higher proportion of adults. The proportion of children is higher among Christians and Muslims than among Hindus.

The mean age as well as the median age of the population has been gradually. decreasing as a result of the increasing proportion of children. It is highest among Hindus Though there and lowest among Muslims, and Christans occupy an intermediate position. is a decrease in the proportion of adults which may cause a decline in the birth-rate, the increasing proportion of married females at the earlier child-bearing ages and the present. high proportion of children will result in an increase in the number of adults in the next generation, probably leading to a rise in the birth-rate. The future growth of the population is, therefore, not likely to be affected so much by the variations of birth and death rates brought about by changes in the age constitution as by the economic and public health conditions. The proportion of children below ten years of age to married females aged 15-40, which under certain conditions indicates fertility, has also increased during the last decade. The average death-rate for females has been lower than that of males throughout the decade, female mortality being higher at the ages 15-35 and male mortality at all other ages. The crude death-rate for the two sexes together is practically 20 per mille per annum.

Although thirty persons have returned their ages as 100 and over, subsequent local chapter Y enquiries have shown that their number is not more than 15 of whom six are males and nine semales. All of them belong to the Depressed or Backward Classes and are illiterate.

Though there has always been an excess of males over females in Travancore as a whole, as in other parts of India, females outnumber males in eleven taluks. In seven of these taluks most of which lie at the sea-coast, the preponderance of females has been almost a permanent feature, while in the remaining four taluks it has been observed for the first time only at the present census. The sex ratio, or the proportion of females to 1,000 males, of the actual population is highest in the Southern Division and lowest in the High Range. Hindus show the highest sex ratio and Muslims the least, Christians holding an intermediate position. The marumakkathāyam communities have generally a higher sex ratio than makkathāyis, probably on account of the difference in their social customs.

Female deaths are lower than male deaths in the ages up to 15, they exceed male deaths in the age-periods 15-20 and 20-30, show a steady fall between 30 and 60 and perceptibly increase after 60.

The following are some of the inferences drawn from the special enquiry regarding the fertility of women which was conducted at the present census:

- (i) Masculinity is slightly higher in first births than in subsequent births and it is highest in the Highland Division which is most rural, and lowest in the Lowland which is most urbanized. The proportion of families in which the first-born is a male and which have a preponderance of male children is higher than that of families in which the first-born is a female and which have a preponderance of females.
- (ii) The 'mode' or size of family most favoured in Travancore is five for the towns and seven for the State. 14 per cent. of the 18,456 families of completed marriages brought under enquiry have seven children each. A single family has 19 children, a little less than one per cent. have more than 12 children each, about 98 per cent. have one child to 12 children each, 53 per cent. have 5 to 8 children each and a little more than one per cent, have no children at all.
- (iii) The most favoured combination of children is that of three males and two females in towns as against four males and three females in the State. The proportion of female children tends to increase with the increase in the number of children born, the highest proportion being reached in families having 13 children of both sexes.

510

- (iv) Based on the occupation of the husband, the agriculturists have the largest families and the Government officers the smallest, but, unlike in Western countries, the industrialists and unskilled labourers have smaller families than the small cultivators and petty merchants. Of the different communities, Brahmans have the smallest families, and of the other communities, Indian Christians, particularly Syrians, show the highest fertility as well as the largest survival ratio. Ilavas come next, then Nayars and lastly Muslims.
- (v) The age of marriage is lowest among Brahmans and highest among Nayars. The majority of the women in the State marry between the ages of 15 and 20 and the mean effective fertility for all ages is 4.9.
- (vi) Irrespective of the duration of marriage Brahmans have the lowest fertility, Ilavas have a slightly higher fertility than Nāyars throughout their married life, and Christians have a lower fertility than Nāyars, Muslims and Ilavas during the first ten years of married life, more or less the same fertility as these latter in the next ten years and the highest fertility after that. The rate of increase in the size of the family in Travancore shows a rythmic variation during the first 15 years of marriage and a sudden fall thereafter as in Scotland, while in Baroda there is a continuous fall.
- (vii) There is a tendency for the interval between the date of marriage and the date of first confinement to decrease as the age of marriage advances. The proportion of sterile to fertile marriages decreases as the duration of marriage increases. There is no difference in the proportion of still-born to quick-born children in the case of women marrying up to the age of 25, but there is perceptible increase in the case of women married at later ages.
- (viii) The net reproduction rate in Travancore is higher than that in most European countries. The net fertility of 1,000 women is found to be 3,867 children, of whom the number of girls who will be future mothers and who thus represent the net reproduction rate is 1,815. The population will hold its own if 1,000 girls born now live up to the end of the child-bearing period and give birth to 1,000 future mothers and it will increase or die out according as the number is above or below 1,000. Tested by this method the population of Travancore is a highly progressive one.

Chapter VI
Civil
Condition

Marriage by capture is practically extinct in Travancore, though a relic of the custom is seen among Muthuvans and Mannāns in the High Range Division. Marriage by purchase, with its earlier form of marriage by service, and exchange marriage prevail among the Primitive Tribes found in the State. Dowry marriage which is universal among Brahmans also prevails among Christians and is becoming prevalent among Nāyars, Ilavas and Nānjanād Vellālas as well. Of the two forms of marriage, Thālikettukalyānam and Sambandham, which prevailed among the major marumakkathāyam communities, the former has degenerated into a mock marriage and has been practically given up or is being combined with the latter which is the true wedlock now. Polygamy which is a sign of plenty has been allowed and indulged in by the hill-tribes and a few other communities, wherever economic conditions permitted it, but with the spread of education among all classes of people it is practically dying out. Polyandry is tabooed by all communities in the State and hypergamy or the system of securing husbands from higher castes is dying out and may probably become altogether extinct before long. Cousin marriage between the children of brothers and sisters is common both among civilized marumakkathāyam communities like Nāyars and among most of the Primitive Tribes found in the State.

In Travancore, the marumakkathayam system has always recognized the supremacy of the woman, though in recent times her influence has waned on account of the unauthorised assertion of authority by the man and the mismanagement of the common properties by the kāranavan of the tarwād While these disintegrating causes are contributing to the break-up of the marumakkathāyam system, the woman, especially of the educated communities, is gaining her economic independence as in the West. The high degree of education attained by the women of Travancore and the liberal policy pursued by the Government in the matter of appointments to State service and representation in political institutions without distinction of sex, have made women self-reliant and self-dependent. Many educated young women have already begun to disclose a desire to avoid the matrimonial bondage and, if the future progress is as rapid as in the immediate past, the next census is likely to record a shrinkage in the number of marriages contracted.

The bulk of the population being Dravidian, marriage is not so universal in the State as in other parts of India, although it is more common than in Western countries. The proportion of women of the child-bearing period is greater in Travancore than in

511

Western countries, but it is distinctly less than in India as a whole. The smallest proportions of unmarried males and females are found among Primitive Tribes, the largest proportion of unmarried males among Muslims and of unmarried females among Christians. The highest proportion of married women in the early ages of 5-15 is found among Brahmans and the Primitive Tribes and next to them among Christians, particularly Syrian Christians. Early marriage prevails least among Hindus as a whole and Muslims.

SUMMARY

Among adult men town life in Travancore, as in the West, discourages marriage. The proportion of the widowed to the population of each sex in Travancore is much less than that in India, but the proportion of widows to widowers is much higher, thereby showing that the remarriage of widowers is more common than that of widows in this State. The smallest proportions of widows to the female population in all ages taken together and at different age-periods are seen among Christians. The rate of marriage of widowers after the 45th year is lowest among Syrian Christians. Except in the case of Muslim widows in 1931, all the religions show a decrease in the proportions of widows between the ages of 15 and 40 from census to census, and the fall in this proportion, combined with a rise in that of married women of the child-bearing ages, mainly accounts for the high rate of increase of the population in the last decade.

Child marriage is not a serious problem in this State, the numbers getting married up to the age of 15 being considerably less than in India. Comparatively, it is more common among the Primitive Tribes than among civilized communities, Christians are more addicted to the practice than Muslims or Hindus and it is least common among Hindus taken as a whole. Early marriage of boys is most common among Syrian Christians and that of girls among Brahmans and next to them among Syrian Christians, though both these communities are educationally more advanced than the others.

As in the previous censuses separate statistics were collected for five infirmities, Chapter VII namely, insanity, deaf-mutism, blindness, leprosy and elephantiasis, the first four only being included in the enquiry in other parts of India. For every 100 persons afflicted with each Infirmities. infirmity in 1901 there are, according to the present census, 411 persons suffering from insanity. 356 from deaf-mutism, 306 from blindness, 197 from leprosy and 248 from elephantiasis, The total number of all the afflicted persons has increased by more than 2½ times during the last 30 years. During the decade 1921-1930 the insane have increased by 62.7 per cent., the deaf-mutes by 32.9 per cent., the blind by 89.9 per cent., the lepers by 35.5 per cent. and the persons afflicted with elephantiasis by 26.4 per cent. Insanity and leprosy appear to be more prevalent in Travancore than in India as a whole, while in deaf-mutism and blindness India beats Travancore. Elephantiasis is essentially a disease of the lowlands, especially of the coastal tract, but all the other infirmities are fairly well distributed in the plains divisions. Males more than females are subject to the attack of these infirmities and the grown-ups more than young persons. The incidence of these infirmities is generally slightly less in municipal towns than in the other parts of the State. The number of persons afflicted with more than one infirmity is only 63, the combination of leprosy and elephantiasis affecting the largest number and that of deaf-mutism and blindness the next largest.

The net increase in the number of insane persons during the last fifty years is 424'9 per cent. and that of persons afflicted with elephantiasis during the last thirty years is 148.3 per cent. A much larger proportion of children is afflicted with deaf-mutism than with any other infirmity. The number of blind persons has been increasing from census to census and this infirmity is spreading faster among females than among males.

Of the total population, 29 per cent. have been returned as earners, 18-2 per cent. Chapter VIII as working dependants and 52-8 per cent. as non-working dependants. The earners and working dependants form the working population and their proportion is 47-2 per cent. of occupation. the total population. In 1921 the proportion was 37 per cent. only. The increase in 1931 is mainly due to the inclusion of women doing manual work at house-keeping among working dependants which was not the case in 1921. The largest proportion of the working population, viz., 39 per cent., is engaged in agriculture and allied occupations. Taking the earners and working dependants separately, 55.5 per cent. of the former are. engaged in agriculture and allied occupations, 18.6 per cent, in industry and only 1.1 per cent in public administration, while of the working dependants 75 per cent. are engaged in domestic service, 13 per cent. in agriculture, 8 per cent. in industry and the remaining four per cent, in other occupations. Of the total number of earners with a subsidiary occupation, 54 per cent. have agriculture as a subsidiary field of employment, the next most favoured subsidiary occupation being domestic service in which there are roughly 41 women for every man.

Unemployment both among males and females appears to be greater in Travancore than in other Indian States and Provinces except Bengal. The rapid growth of the population which has strained to the utmost the resources of agriculture, the chief occupation of the people, is the primary cause of unemployment in this State. Leaving aside children below 15 years, all women engaged in house-keeping and all boys and girls at school or college, it is seen that roughly 179,000 males and 321,000 females or in all 500,000 persons of 15 years and over are entirely unemployed, of whom 152,000 are literate and 348,000 illiterate. Generally, unemployment increases with literacy, though there are some exceptions, and it is lowest among the labourer classes who have the least number of literates among them.

Under the stress of economic necessity the Hindu castes generally disclose a rapidly growing tendency to give up their traditional occupations, the tendency being more pronounced among the educationally advanced castes, except Nāyars and Nānjanād Vellalas, than among the backward and illiterate castes.

If females below 10 years and above 55 years are excluded as being incapable of work and also those who are house-keepers doing actual manual work, the number of females engaged in other occupations both as earners and working dependants is 280 per 1,000 of the female population of the ages 10-55. The largest number of women is employed in agriculture and the next largest in industries. The proportion of female to male earners in the different castes varies according to their social status. The lower the status, the greater is the number of women working for their livelihood.

The number of persons returned as workers (earners and working dependants) under the various groups constituting agriculture is a little over 893,000. The corresponding number in 1921 was 627,000 and the increase during the decade is 42 per cent. This large increase is due to the natural development of cultivation, particularly of special crops like tea and rubber, and also to the partition of tarwad properties of the matumakkathayam families of Nāyars, Ilavas and Nānjanād Vellālas. The population supported by agriculture which includes non-working dependants also comes to about 2,768,000 which is equal to 543 per cent. of the aggregate population. In 1921 this proportion was 51.7 per cent. only. In spite of this increase in the agricultural population during the decade it has not come to the proportion in India as a whole where it was 71 per cent. in 1921. Twenty per cent. of the land transferred in a year passes from agriculturists to non-agriculturists, naturally leading to an increase in the number of non-cultivating proprietors as well as a proportionate increase in the number of tenant cultivators. The area under cultivation, excluding land under rubber and tea, has not increased proportionately to the growth of the agricultural population and the holdings are, therefore, getting sub-divided into small fragments. Of the total holdings in the State about 6 per cent. are less than 20 cents in extent, about 26 per cent. less than 60 cents, 38 per cent. less than one acre, 62 per cent. less than 2 acres, 87 per cent. less than 5 acres, 95.5 per cent. less than 10 acres and 4.5 per cent. 10 acres and 'over. If ten acres is considered to be the minimum size of an economic holding, only less than five per cent. of the holdings are economic.

Excepting Madras and the Central Provinces and Berar, Travancore has a higher proportion of agricultural labourers than any other Indian Province, evidently due to even the small cultivators here leaving the cultural operations to the Depressed Classes. The workers in tea and rubber estates have increased from 16,786 in 1921 to 71,159 in 1931. This abnormal increase is due partly to the enormous development of tea and rubber cultivation during the last decade and partly also to under-enumeration in 1921.

Fishing gives employment to over 39,000 persons showing an increase of 17 per cent. over the number in 1921. Fishing has great possibilities of development by the improvement of the methods of catching and curing fish and by the exploitation of the still untouched deep-sea fisheries. So also is the newly organized cashew-nut industry in which more than 8,000 persons are now engaged. Coir yarn industry is the most important cottage industry in the State and more than 126,000 persons are employed in it either as full-time or part-time workers. The number in 1921 was 102,634, the increase in the decade being 23 per cent. Of the workers, more than two-thirds are females. Rice husking is another favourite occupation of the females. Over 18,000 persons have been returned as workers under this occupation and of them more than 17,000 are women. The total number of persons engaged in industries according to the present census is about 351,000 which is equal to 6.9 per cent, of the aggregate population. The industrial population has

513 SUMMABY

increased only by 7 per cent. as against an increase of 27.2 per cent. in the total population during the decade. Of 351,000 workers in industry, as many as 326,500 persons are engaged in cottage industries, and only the remaining 24,500 or 7 per cent. are factory workers.

Transport employs about 38,000 persons now as against 32,000 in 1921. In regard to transport the most noteworthy fact is the rapid development of motor transport. The number of persons employed in this occupation according to the present census is nearly 6,500 as against 925 in 1921. Traders, including earners and working dependants, have increased from about 157,000 in 1921 to 177,000 in 1931, showing an increase of 12 per cent. during the decade. The number of persons engaged in public administration has increased from 12,800 to 16,700, and of these 411 are females, while in 1921 there was no semale employé in public administration. Under professions and liberal arts, which include religion, law, medicine, instruction, letters, arts and sciences, the number returned at the present census is 64,270 and at the last it was 56,800, the increase during the decade being 13 per cent. The number engaged in instruction alone has increased by 47 per cent. from 14,400 in 1921 to 21,200 in 1931. The teaching profession now employs 3,272 women as against 1,819 in 1921.

Twenty-nine per cent. of the total population aged five years and over are literate, Chapter IX In male literacy Literacy.

the percentage of literacy among males being 41 and among females 17. Travancore ranks third among the Provinces and States in India, the first place being held by Burma and the second by Cochin State, while in female literacy Cochin stands first and next to it comes Travancore. The literates among males and females of five years and over have increased by 102 per cent. and 318 per cent. respectively during the last twenty years. The literacy figures of 1921 have been left out of consideration because of the patent inaccuracies in them. Of the urban population of five years and over 41 per cent. and of the rural population of the same ages 28 per cent. are literate. The highest proportions of literates are found among the population 15-20 years of age-53 per cent. among males and 27 per cent. among females. Christians have the highest proportion of literates, viz., 36 per cent. of the population of five years and over, Hindus 27 per cent. and Muslims 14 per cent. Literacy is generally greater in places where Syrian Christians preponderate than in other localities and it is least prevalent in taluks where the estate coolies form the bulk of the population. Female literacy is less in localities where the population is predominantly Tamilian than in places where Malayalis preponderate. There has been such a progressive increase in the proportion of female to male literates at the younger ages during the last twenty years that the Hindus and Christians have doubled their proportions of female literates, though the proportion of Muslim female literates has increased by only 57 per cent.

If the different castes and communities are divided into three categories, namely, 'Advanced', 'Intermediate' and 'Illiterate', according as they contain more than 50 per cent., 10-50 per cent. or less than ten per cent. of literates in the male population of seven years and over, it is seen that 33.7 per cent. of the Hindu population are 'Advanced', 52.6 per cent. 'Intermediate' and 13.7 per cent. 'Illiterate', while in the case of Christians 59.9 per cent. are 'Advanced' and the rest 'Intermediate', and the Muslims are entirely in the 'Intermediate' class. If female literates are classified on the same basis, 66.0 per cent. of Hindu females are 'Intermediate' and 33.9 per cent. 'Illiterate', and the corresponding percentages among Christian females are 96.3 and 3.7 respectively, while Muslim females are entirely 'Illiterate'. Of the total literate males 91.3 per cent. are literate in Malayalam and 8.7 per cent. in Tamil, while the corresponding proportions of literate females are 93.6 per cent. and 6.4 per cent. respectively.

English literates per mille of the population aged 5 years and over have increased from 15 in 1921 to 19 in 1931. 31 per 1,000 males of 5 years and over and 7 per 1,000 females of the same ages are now able to read and write English. Cochin, Bengal and Bombay alone have a higher proportion of English literacy among males and Cochin alone has a higher proportion among females than Travancore. Of the different religions the Christians have the highest proportions of English literates, 41 per 1,000 males and 15 per 1,000 females of 5 years and over, the corresponding proportions among Hindus being 28 and 4. Among Muslims the male proportion is 11 and among females it is practically nil. Among Christians the Mar Thoma Syrians have the highest proportions, namely, 59 per 1,000 of both sexes, and 87 per 1,000 males.

Excluding the forest regions which are practically uninhabited, the average area and population served by each primary school in 1930 were 1.7 square miles and 1,704 respectively as against 3.7 square miles and 2,393 in 1911. The greatest progress in literacy is seen in the Northern Division and the least in the High Range. Male and female literates of the ages 15-20 have increased by 253 per cent. and 742 per cent. respectively during the last thirty years and the ratio of female to 100 male literates of the same ages has increased from 23 to 54 during the last two decades.

Under the conditions obtaining in Travancore all boys and girls of five to ten years of age may be treated as the population of school-going age that ought to be receiving primary education, and instruction in five classes (four classes in the Vernacular Primary School and Class 5 in the Vernacular Middle School or Preparatory Class in the English School) as the minimum required to acquire permanent literacy. In view of the higher proportion of children in this State than in British India 16 per cent. of the total population may be taken to be the correct proportion of the population of school-going age in Travancore as against 14 per cent. adopted elsewhere in India. On the above basis 26 per cent. of the boys and 50 per cent. of the girls of school-going age do not appear to have been attending school in 1930. It is also seen that only about 31 per cent. of the children of school-going age are likely to acquire literacy, the remaining 69 per cent. either not attending school at all or leaving school before they become effectively literate.

Chapter X Language.

On the whole 29 languages have been returned, of which Malayalam is spoken by 84 per cent. and Tamil by 15 per cent. of the entire population. The increase in the Malayalam-speaking population during the last decade is equal to the recorded increase in the aggregate population, namely, 27.2 per cent., that of the Tamil-speaking population is 26.2 per cent. and that of persons speaking the other languages 48.7 per cent., the difference between the rate of increase of the persons speaking Tamil and other languages and that of the aggregate population being due probably to migration. The hill-tribes in Travancore seem to have no separate language of their own, but the words they use are of Malayalam or Tamil origin, though their endings are different and the pronunciation uncouth. About 80 per cent. of the Malayalam-speaking population are found in the Central and Northern Divisions and about 74 per cent. of the Tamil-speaking population in the Southern Division. The speakers of the other 27 languages constitute only a little below one per cent. in each of the Southern, Central and Northern Divisions and over five per cent. in the High Range. 99.4 per cent. of the aggregate population speak languages of the Dravidian family, those speaking Malayalam and Tamil constituting 99 per cent and the others, namely, speakers of Kanarese, Tulu and Telugu forming only 0.4 per cent. Nine of the vernacular languages included in the Indo-Aryan Branch of the Indo-European Family are represented in this State and are spoken by 26,683 persons, and nine European languages have been returned by 1,371 persons.

Though there are 185 Tamil speakers for every 1,000 Malayalam speakers, there are only 87 Tamil literates to 1,000 Malayalam literates, the disparity between the proportions of speakers and literates being due to Malayalis taking to education more largely than the Tamilians and to some of the latter learning Malayalam instead of Tamil at school.

Considering bi-lingualism in respect of Malayalam and Tamil, it is seen that where the preponderating mother-tongue is Malayalam, the proportion of Malayalis who could speak Tamil is very small and that the Tamilians who are in the minority acquire the habit of speaking Malayalam in much larger proportions. But where the preponderating mother-tongue is Tamil the reverse order holds good. That is to say, the proportion of Tamilians who speak Malayalam is much smaller than that of Malayalis able to speak Tamil. With regard to other languages, Tulu, Konkani, Marāthi, and Western Hindi are combined more largely with Malayalam than with Tamil, Telugu with Tamil more than with Malayalam, and Kanarese more or less equally with either of them.

Chapter XI Religion. Hinduism, Christianity and Islam are the three main religions in Travancore. Of the aggregate population 61.5 per cent. are Hindus, 31.5 per cent. are Christians and 6.9 per cent. are Muslims. Travancore and Cochin differ from other parts of India in having comparatively smaller proportions of Muslims and higher proportions of Christians, and of the two, Travancore contains a smaller proportion of Hindus and a correspondingly higher proportion of Christians than Cochin. More than a fourth of the total Christian population of India is found in this State.

In the case of Muslims who are mostly traders, the proportion in the urban population is about double that in the rural population, while the Christians, who are generally agriculturists, are found in larger proportion in rural than in urban areas.

In the course of a little more than a century the Hindus including Tribal Religions have increased more than four times, the Christians more than fourteen times and the Muslims more than eight times, the largest increase among Christians being due mainly to conversions and to some extent to the high fertility of the Syrian Christians, and the larger increase among Muslims than among Hindus being practically the result of the higher fertility of the former.

The religion of the Primitive Tribes who come in contact with the people of the plains naturally becomes modified by the influence of Hinduism, and this process of Hinduization of the Primitive Tribes, coupled with conversions to Christianity, accounts for the gradual falling-off of the numbers returned under Tribal Religions. In spite of the increase in the actual numbers of Hindus from census to census their proportion to the total population has been steadily falling due to the rapid growth of the other religions. Shenkotta and next to it Devikulam contain the highest proportions of Hindus, and excepting six taluks—all in the Northern Division—the population in the other taluks consists of more than 50 per cent. Hindus.

Christianity has made remarkable progress in Travancore. During the last 30 years Christians have increased by 130 per cent., and the Hindus by 54 per cent. only, and in the last decade the increase has been 36.8 per cent. in the case of Christians and 23.0 per cent. in the case of Hindus. The Syrian Christians who form 59 per cent. of the total Christian population of the State are found in larger numbers in the interior taluks of the Northern Division and in Thiruvella and Pathanamthitta taluks of the Central Division, while Hindus preponderate in the Southern and Central Divisions, in the coastal taluks of the Northern Division and in the High Range. Various missionary bodies are at work in Travancore and are carrying on active proselytization mostly among low-caste Hindus. According to the figures supplied by the missionaries, the converts to Christianity during the last decade total not less than 100,000. From the census returns it is seen that the Nādār, Pulaya, Paraya (Sāmbavar) and Kurava castes have contributed about 70,000 of these converts, and the remaining 30,000 must have come from the Primitive Tribes and other low castes.

Muslims have increased by 30.6 per cent. in the last decade, the rate of increase in natural population being higher than among Hindus or Christians, but in no taluk do they constitute more than 16 per cent. of the population, and in as many as eleven taluks they constitute less than five per cent.

After dealing at length with the origin and development of caste in Northern Chapter XII and Southern India in general, the chapter proceeds to consider the origin and history of the caste system in Kerala in particular.

Kerala which once formed part of the ancient Tamilakam was originally inhabited by a branch of the Dravidian stock. Being cut off from the rest of the Dravidians by the Western Ghats, the inhabitants of Kerala developed a culture of their own. There was no caste system among them, though there was a priestly class to minister to their religious needs. The early Aryan immigrants to Kerala adopted many of the manners and customs of the local people, imposing on them some of their own in turn. The people were divided into groups on an occupational basis and each group subsequently developed into a distinct caste on the analogy of the Aryan system. Whatever might have been the condition in the early past, Kerala including Travancore is considered to be the most caste-ridden part of India at present. It is probably due to her peculiar geographical position and the comparative freedom she enjoyed from foreign invasions unlike other parts of India, so that the factors which contributed to the levelling up of differences between sections of the people did not operate freely in Kerala. But changes have now set in and are proceeding vigorously and rapidly, and caste barriers are breaking down under the influence of the social reform movement which is now a common feature of all the castes and communities in Travancore. There is hardly any caste or community in the State without an association of its own for self-advancement in social and political spheres, and the fusion of sub-castes is a common creed of all such associations. Almost all the numerous sub-divisions that existed

among the major communities like Nayars and Ilavas in 1901 have disappeared. Though long-established social customs die hard and union for political purposes may not immediately lead to union for social purposes also, the fusion of sub-castes may very probably be followed by the fusion of the allied castes as evidenced by the attempts of the Hindu castes of the fishermen communities to unite themselves, perhaps for political purposes, into the Araya caste, and by the move towards the amalgamation of the washermen castes under the common name 'Varnavar.' The time, however, has not yet arrived when the people will be prepared to abolish the caste system altogether and accept an alternative classification either on an occupational or any other basis. Further, it is not feasible to adopt a system of classifying population by occupation, for, if the criterion be traditional occupation there are castes whose traditional occupation cannot be specified and there are others who have discarded it; and if, on the other hand, the classification is to be based on the present occupation, it will, even if it be possible, only create an atmosphere of unreality.

The castes in the lower rungs of the social ladder have begun to manifest a general desire to assume new names, and the motives that actuate them in this, when analysed, seem to be one or other of the following:—(1) The desire to rise in the social ladder. (2) The desire to remove the stigma attached to the old name. (3) The desire to be differentiated from a lower caste which has adopted the name of the higher caste. (4) The desire to restore an ancient name lost in course of time by fortuitous circumstances. Over 4,000 Hindus have refused to return their caste, but the proportion is only 13 in 10,000. With the vast majority of the Hindus caste is still a live question.

Nearly 500 Hindu castes have been returned, of which only 77 have been shown separately, the others being clubbed together and shown under minor castes. Hindus have been broadly divided into three main castes, namely, Brahmans, other Hindus and Depressed Classes, these constituting respectively a little over 2 per cent., 41 per cent. and 57 per cent. of the total Hindu population. Unlike in the previous censuses when Brahmans were classified by their mother-tongue, they have been divided in the present census, as in other parts of India, into two primary classes, namely, Pancha Drāvida and Pancha Gauda. Maharāshtra, Āndhra, Drāvida and Karnātika Brahmans are included in the former class and Gauda Saraswath Brahmans in the latter, while Āryapattar, Nampūtiri, Pōtti and Tuļu Brahmans who are of doubtful affinity are shown next to Pancha Drāvida but not of it.

The Depressed Classes, according to the definition prescribed by the Census Commissioner for India and accepted by the Indian Franchise Committee, are the untouchables who are denied access to the Hindu temples and who are supposed to cause pollution by touch or within a certain distance. The numbers of the Depressed Classes in Travancore who come under the above category constitute 57 per cent. of the Hindus or 35 per cent. of the aggregate population of the State.

The Primitive Tribes are fast losing their primitive religion and customs. The opening of a large number of estates in forest regions has provided facilities for the tribes to come in contact with the men of the plains. Some of them are even deserting their habitations in the forests and are migrating to the plains to earn their livelihood and are thus brought under the influence of the Hindus and the Christian missionaries.

28 per cent. of the Hindu population of the State are makkathāyis, 30 per cent. are marumakkathāyis and 42 per cent. including Ilavas, Krishnanvaka and Nanjanad Vellālas are followers of mixed or doubtful system of inheritance.

Excluding Europeans and Anglo-Indians who together number 1,377, the population of Indian Christians is 1,603,098 of whom 948,514 are Syrian Christians. About 77 per cent. of the Indian Christians other than Syrians have given their caste or tribe, which shows that the large majority of them desire to have this information recorded.

Though, strictly speaking, there is no caste among the Muslims, there are a number of tribal, occupational or territorial groups who observe certain restrictions on intermarriage. These restrictions are, however, dying out as a result of the propaganda carried on by the educated members of the community.

In Appendix I is given a description of the Primitive Tribes found in Travancore, Appendix I their social and religious customs, and the effect of their contact with civilization. It first The Primitive deals with the geographical distribution of the tribes and their peculiar physical characters, Tribes. such as colour of the skin, stature, head, nose, etc. The manners and customs of the tribes are then described. The various clans found in different tribes and the system of cousin marriage prevalent amongst them are next dealt with. The types of buildings and the materials used in their construction, the weapons used by the tribes, the systems of agriculture followed by them, their village organizations, the various traditions of origin current amongst them, the methods of disposing of the dead, the megalithic monuments erected by their ancestors, their ideas as to the sun, the moon and the natural phenomena, like earthquake, eclipse, thunder, lightning, rainbow, etc., are also described. Lastly, the disintegrating influence of civilization on their primitive life and customs, the causes of their decline in numbers and the possible remedies for depopulation are set forth as briefly as possible.

The Depressed and the Backward Classes are specially treated in Appendix II. Appendix II The distinguishing features of these two classes and their disabilities, social, educational and The Depressed political, are dealt with. The early attempts made by the Government of Travancore and and the Backthe measures adopted by them in recent times to ameliorate the condition of the depressed ward Glasses. and the backward communities, the work of the non-official agencies, like the missionaries and the Humanitarian Society, in the same direction and the efforts made by the internal organizations of the communities, such as the S. N. D. P. Yogam, the Sadhu Jana Paripalana Sangham, etc., towards self-advancement are all described briefly.

In Appendix III are described the processes, the present condition and the economic Appendix III] aspect of some important industries of the State, which are declining chiefly on account of The declining the advent of cheap machine-made articles from the West, and the ignorance, poverty and industries. lack of organization of the local craftsmen. The industries dealt with are silk weaving, bell-metal casting, metal-mirror (Aranmula kannadi) making, steel industry, screw-pine mat weaving, wood seasoning, palm-leaf umbrella making, preparation of coconut-jaggery and palmyrah sugar-candy.

The present census of wealth, the first of its kind conducted in Travancore, and Appendix IV perhaps in India, is not as comprehensive as intensive economic surveys of typical villages. The economic The persons who enumerated the population took also the census of wealth of the principal condition of earners in the State. The census covered a wide range of questions regarding the capital the people. wealth, size of holdings, income and indebtedness. The figures collected and tabulated give only the private wealth, income and indebtedness of the people of the State. All public and socio-private wealth has been excluded from the enquiry. The number of earners in the economic census falls short of that returned at the population census by 8 per cent. The margin of error in the capital wealth is about 8 per cent., while that in income and indebtedness may be about 25 per cent. A detailed analysis by caste, age or sex has not been attempted owing to the want of accurate data. The distribution of wealth among the major communities has, however, been discussed with the help of the figures collected from a random sample of the earners selected on a mathematical basis.

The total value of the possessions of the people of the State, if necessary allowance is made for omissions, is Rs. 193 crores, giving an average per capita wealth of Rs. 379. About 79 per cent. of this wealth consist of land, 10 per cent. of houses, 5 per cent. of movable properties and live-stock and 6 per cent. of investments. The distribution of wealth is not so unequal in Travancore as in foreign countries. As regards the ownership of wet and dry lands the highest proportion of earners who own them is found among Nayars, though the average extent of land owned by them is small owing to the disintegration of tarwad properties. In all the separate items of capital wealth Brahmans occupy the highest and the depressed Hindus the lowest rank. The Syrian Christians and Nayars form a similar group, and the Ilavas and other Hindus another similar group. The position of the Muslims varies in regard to different items of wealth. Of the administrative divisions, the Northern Division is the richest in point of wealth, and of the taluks Minachil is the richest and Nedumangad the poorest. The average size of agricultural holdings in the State is 2.62 acres. About 38 per cent. of the holdings are below one acre, 87 per cent. below five acres and 95.5 per cent. below 10 acres. Ten acres is the minimum size of an economic holding in this State and more than 95 per cent. of the holdings are, therefore, uneconomic. The proportion of agriculturists to earners is the highest among Nayars. A very large majority of Brahman land-owners have leased out their lands. Though the

passing of the Nāyar and Ilava Regulations has led to an excessive sub-division of holdings, it is probable that many, especially minor children of the same parents, still hold their shares together.

The total debt according to the census is Rs. 16 crores and, if allowance is made for omissions, it will stand at Rs. 20 crores. 69.5 per cent. of the debt is secured on land. 26.6 per cent. being mortgages with possession. The average per capita debt comes to Rs. 40. It is seen that there is a close correlation between debt and prosperity. The average debt is the highest among Brahmans and least among the depressed Hindus. From the figures furnished by the Registration Department regarding alienation of land, it is seen that Nāyars are losing and the Christians are gaining land steadily.

The total private income per annum according to the census is about Rs. 20.9 crores and, if allowance is made for an error of 25 per cent., the total income will amount to Rs. 26 crores and the per capita income will then be Rs. 51. This income is based on the prices current in the year 1931 when the economic depression practically reached the climax, causing a decline of not less than 40 per cent. generally in the prices of commodities. If normal conditions had prevailed, the per capita income would have been Rs. 85. The distribution of income among the earners is not as unequal as that of capital. Of the different communities, it is seen that Brahmans, Syrian Christians and Muslims have high incomes, while the depressed Hindus have the lowest, Nāyars, Ilavas and other Hindus occupying an intermediate position. The proportion of earners following occupations other than agriculture is least among Nāyars. Of the divisions and taluks, places having more wealth generally have higher income with one or two exceptions caused by the presence of large towns.

The average daily wage of an agricultural labourer is 6 annas and the average working period per day varies from 5 to 8 hours. The wages of industrial and skilled labourers are higher than those of agricultural and unskilled labourers.

Appendix Y
The cattle census.

The results of the cattle census are set forth in Appendix V. Bovine cattle in the State have increased by 17.5 per cent. during the last twenty years, the whole increase being accounted for by young oxen. Cows have increased by 13.6 per cent., male buffaloes have decreased slightly, but the young stock have increased so that there is very little variation in the total number of buffaloes. Sheep and goats have increased by 22 per cent., ploughs by 9 per cent. and carts by 30 per cent. The number of cattle per 100 acres of net sown area is 48 and the total area on which they are supported is 197 acres as against 67 cattle and 213 acres in British India. More than 70 per cent, of the available grazing land, being reserved forest, is practically out of the reach of the ordinary cattle, and the number of cattle in the State is thus too heavy a stock for the grazing that is available.

The average area of rice land cultivated per yoke is 4.1 acres in Travancore as against 4.8 acres in Tanjore where rice is the principal crop as in this State.

74 per cent. of the cows and 75 per cent. of the she-buffaloes returned were dry at the time of the census, the proportion of dry to milking animals being about three to one. The normal proportion should be one dry to two milking cattle. About 73 per cent. of the cows and 88 per cent. of the she-buffaloes now existing in the State are of such poor milking quality that they do not deserve to be kept at all. The consumption of milk per head of population is hardly one-third of what it is in British India which in itself is much less than that in Western countries. It is only 1.3 gallons per head per annum, though the position is slightly better in towns like Trivandrum.

The number of cows per breeding bull is 132 in this State as against 84 in Madras. The proper ratio being one bull for every 55 cows, Travancore should have 6,500 bulls as against 2,717 which she has. Not only is the number of bulls insufficient but their quality also is very inferior.

On account of natural difficulties, such as a heavy rainfall and the comparative poverty and insufficiency of pasture lands, Travancore is unsuited to the breeding of good cattle, and the task of improving them is consequently not easy. It has nevertheless to be faced, for on cattle depends the prosperity of the agricultural population who forms more than half the inhabitants of the State.

INDEX

. A	2 200
PAGE	Births and deaths: Balance of—
380	(estimated) in the decade (1921-31)
Adi-Dravidas	Blindness by sex and age
Administrative divisions Age categories (Sündbürg)	Variation and distribution • 214
Age constitution (present): Effect on future birth-	Brahman: Āndhra (Telugu) — 371
rates . 111	" Drāvida (Tamil)— . 371
death-rates . 114	" Karnatika— . 371
Age distribution by caste or tribe	,, Maharashtra—
by natural division . 101	, alriaya
by religion 105	
Comparison with previous censuses . 99	"
, General— . 98	Brahmans 369
in urban area . 103	Brahmos
Age (mean)	Brahmo Samāj
at death	Breeding bulls 503
n by locality	Buddha and caste system . 351
by religion . 109	Buildings other than houses 50
Age (Median) 109 by religion and caste 110	
Age next birthday error 94	C
'Age of marriage (Average) of females . : 147	Caste exclusiveness: Causes which accentuate . 367
(Early) 173	" in Kēraļa . 363
Ago: Remarks on 91	in Southern India
Return: Nature of and errors in-	names: Substitution of new-for old . 366
Agriculture among Primitive Tribes . 412	in not a religious institution but social . 351
Nomadic— 412	origin of - 358
" Terraced — . 412	,, Refusal to return— , 367
Willententat portrage. pro or	, system: Buddha and— 351 , tribe and race: Introductory remarks 358
-modulate t Prices of	Castes and tribes (Hindu) classified by their system
Aiyanavar 380	of inheritance 388
Alavau 380	, Fusion of following the same occupation 365
Alleppey: 71	, Number returned and presented in Table
Ampalavāsi . 371	XVII 368
Ampattan 380	, (Sub): Fusion of— 364
Anglican Communion 338	, tribes and races (main): Description and
Anglo-Indian 388	statistics of— 368
Area: Centre of—	Cattle breeding 246 Census: Introductory remarks 499
, dealt with	
Āranmuļa Kannēdi (Metal-mirror) 454 Gasting 455	,, ,, (present): Scope of 499
	Davids 6
Composition of the alloy 454 Economic aspect of the industry 456	O The Control of the
Historical 454	Describe - 500
Introductory . 454	" Improvement of—
Polishing 456	,, Kilking—
Preparation of the mould. 455	Census of towns: Procedure in— 59
Arayan	n of wages
Aryapattar 369	1 (1
Aryas	Chackgravar
Ārya Samaj	Chakkiliyan (including Chemman) 281
Avatars (Rāma and Krishna)	Changanachery 72
B	Ohavalakkāran
	Châyat kāran . 381
Bank managers, etc	Ohetti . 372
Bell-metal industry . 446	
Brass casting	_ '' ''
Bronze casting 448	
" Process of manufacture	143
Economic aspect of the industry 450 Bhatathar 38	1 w (Sein-Soin). Proportion to dolck-born 152
Bhafathar 38 Bi-lingualism 32	2 database massionaries and the Depressed Classes 437
Birthplace and migration: Remarks on 7	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Birth-rate: Calculated 31,3	Samuel Commencer of taliff
" (Crude): Recorded	

			PACE			PAG
Civil condition by	caste, tribe and race	•	181	Economic depression (present): Effect of-	•	26
, by	natural division -	•	178	Education: Influence of—on marriage .		188, 198
,, by	religion .		175	n Progress of	•	301, 803
" Co	mparison with previous	censuses	183	" by caste or religion		303
Olans and exogam	y among Primitive Tri	bes .	406 461	" judged by examination	_	
Coconut jaggery	(Preparation)	industry.	463	results .		804
, 1	Economic aspect of the Present condition of the	industry	464	" Wastage in— .	1	308
	Process of manufacture		461	Educational institutions: Increase in number and		
-	Revival of the industry	•	464	strength of		809
_		•	248	Rlephantiasis: Accuracy of the return		218
Coir yarn industry Commerce : Devel		_	46	, by sex and age .		<u> 219</u>
Communication:			15, 78	" Description .		218
Cotton spinning a			247	, Variation and distribution		218
Cousin marriage			165, 409	Emigrants from the State		84
Crops: Outtorn of	f		23	to countries in India and outside		85
Cultivation	•	_	15, 22	Emigration as a remedy for over-population .		44
P-tor	usion of—		44	Enumeration: Accuracy of—		6
· lucon	ae from—	_	492	Error: Age next birthday-	•	91
Inton	sive	•	46	Errors (Accidental): Adjustment for	_	93, 94
Cultivators .		•	243	,, in age return	•	7 92
CRICIARIOLS .		•	22	D4		95
	D_			Europeans and allied races	•	388
Deaf-mutism by s	er and see		213	Exogamy and engenies		
•	iation and distribution	•	212	Exogam's and engenes .	•	165
Death-rate (Grude		. •	116	Į F		
Denti-tate Corner	Recorded-	•	113	Factory and cottage industries .	•	247
n n	decade (1921-91) .	•	33	Families: Average size of—		149
n in the Debts : Classificat		•	484	, Houses and -	•	47
	on by division and tale	k .	487	, (Joint): Tendency for break-up of -	•	80
Masal			486	Number of—	•	49
., Josef	, 1 .	•	486	Fertility	•	111
): Conditions of-	•	22	., and mortality: Enquiry re-	•	139
	j. Conditions of— istrative and natural di	risions	11	,, ,, General results	•	189
, • by taluk		VISIOIIS .	12	, as affected by disparities in the ages of h	nebar	ıd
" Factors at		•	14	and wife .	•	151
	of acreage per person at	ul provimity	14	n by natural division .		112
in yar		a proximity	16	n by religion and caste	•	112
, in urlan	•		G5	Filariasis Survey		220
of popular			9	Fishing		246
	ites, provinces and cour	tries compared	10	Food industries	•	249
Depressed and Ba	ckward Classes .		879, 480			
Attemp	ts at self-improvement	•	438	A .	-	•
	nce between-	•	480	Health : Public-	•	20
	attempts to improve th	ie condition of—		Hillmen: Rules for treatment and management of	I	428
	ctory remarks .		430	Hinduism in Travancore		384, 346
Later a	ttempts to improve the		433	Hindu religion and present-day needs .		357
	Assignment of		433	Hindus: Distribution by taluk .		336
•	Education .	of communication		Number and variations		336
1	Organization of	, , , , , , , , , , , , , , , , , , , ,	485	Hookworm	-	220
•	societies .		484	Hotels, Cafes, etc.		251
•		in public servic		Honse as an item of wealth		478
		on popular bod		Definition of		47
•	Sanitation	- Popular noa	435	, density		40
Social o	rganizations .		438	, room		. 41
Dēvadīsis .			169	, room in urban area	-	67
Disafforestation:	Feasibility of-		48	Houses and families	_	47
Domestic service.			252	in urban area	•	60
	16			(occupied) Number of—	_	48
Early marriage	•	•		The state of	•	50
	by religion and caste	•	190	Humanitarian Society		438
Earners: Apricult		•	191	1 '	•	165
	rking dependants	·	490	Hypergnmy Hypothecations		184 484
, and wo	e) by caste and religion	•	238	myporticeations	•	201
Recommic condition		• •	240 25	j I		
31	Enquiry re	•	25 466	Ilavāniyan (Sēnakula Veliklar)		373
•		of the return	467	Ilayathu (Nampiyāthi)		373
		of tabulation	469	Ilayan	•	382
•		t of the subject		Ilavāthi .	_	382
	n Scope of		466	Images: Worship of—	•	349
			-			~ • •

	•	Page		AGE
Immigrants	÷	81	Leper Asylums	217
he see and religion	-	82	Leprosy: Accuracy of the zeturn	216
in estates	. 1	83, 84	, by sex and age	217
Territorial distribution of-		82	" variation and distribution	216
Variation at different censuses		83	Life table	115
Income		489	Lingua frança movement	324
, by community.	•	494	Literacy by caste, tribe, race and religion	286
by occupation		497	" by religion •	285
by taluk	•	496	, by sex. I	285
, Classification of—	• ,	489	" (Comparative) of different classes of people.	296
" Computation of—	•	489	,, Comparison with other States, Provinces and	
" Distribution of—among earners .		495	countries .	2 97
n from cultivation	•	492	" Discrepancy in the—figures of (1921)	282
from investments		493	" Extent of— · .	282
from other occupations	. •	492	,, (Female) by caste, tribe and religion	289
National—		497	, in administrative and natural divisions .	283
" Total— •	•	493	,, in Knglish .	298
Index of concentration .		93	,, by caste	300
Indian Christian	•	389	by locality .	298
Industry: Development of-		46	" by religion	299
Industries: Chemical—	•	249	, by sex .	298
,, coir yarn—		248	,, Comparison with other States	• •
" Factory and cottage		247	and Provinces •	801
, food—		249	, Influence of Christianity on-	291
" Organized— •		252	" in the Vernaculars	291
Wood-	•	248	, in urban and rural areas .	284
Infirmities by age		210	" (Male) by caste, tribe and religion •	288
by sex		209	Literacy: Progress of-	2 93
Infirmities (Combined)		210	n n by caste	295
n Distribution by divisions		209	" " by locality	294
n in towns		210	,, by religion .	295
yaristions in—	•	208	, Scope of the returns .	- 2 81
Insanity by sex and age.		211	Literates who have completed primary education	292
Osuses of —	•	212	Living: Standard of—	2 5, 43-
Definition of—		210	Longevity	116
Distribution and variation .	•	211	Lunatic Asylum	212
Interest : Rates of—	_	487	•	
Introduction to the Beport	•	v	™	
Investments	-	481	Madhwāchārya	352
	•		Malankara Syrian Catholics	340
· · · · · · · · · · · · · · ·			Malayalam and Tamil: Belation between-	325
Jacobite Syrians	•	338	, ' · language : Growth of-	326
Jaggery making	•	249	Marakkān	383
Jains	•	351	Maravan	384
. K	•		Markets .	78
		•	Marriage: Forms of—	161
Kaikolan	•	382	, Legislation affecting—	168
Kāktālan		382	, (Sterile): Proportion to fertile marriages.	151
Kammālan (Tiswakarma)	•	373	, Universality of —	172
Kaniyān		383	Mar Thoma (Beformed) Syrians	339
Kathikkāran	•*	383	Matriarchy (Mother-right)	166
Kāvathi .		383	Median point of population	[_] 17
Kēralamuthali .	•	383	Megalitnic monuments	419
Kottayam .		72	Metals	249
Krishnanyaka .	•	373	Migration: Balance of—	28
Kshatriya		374	, between admir: trative and natural divisions	79
Kudumi	•	374	, between taluks	80
Kuravan	•	383	Economic aspr of—	87
L			Kflect of—on age distribution	97
Labour: Agricultural— .		A.4	» on sex ratio	128
*	>	244	n External .	81
I and: Extent and value of		254 471	m Main currents of	86
	•	471	" Internal –	. 78
Language: Accuracy of the return		320	" in relation to density of	`
and literacy Introductory remarks	•	\$23	population	1 90
Main features of the return		320	" Types of— .	86
Languages classified by family and group	•	321 391	Milk Supply	503
compared with castes and communities	,	321	Money lenders	2 51
a Amberox arm concessor communication	•	322	Morality (Sexual) among primitive tribes	163

	PAGE [la companya di salah	PAGE
Mortgages •	484	Population (Deduced) and rate of increase	34
Motor drivers and cleaners: Private-	252	n Definition of -	5
Movement of population by administrative		Density of— .	•
division	38 40	. Distribution by taluka	7, 13
by natural division .	40	19 % Of—Remarks	1
by taluk • • • Definition of • •	18	Early account of-	18
during 1881—1981	. 19	General distribution by occupation.	230
during 1921—1981.	28	(Growth) Compared with other States	
	384	and Provinces	37
Mukkuvan	390	" (Natural): Sex ratio of—	127
Muslims Distribution by taluka	341	, (Natural and actual): Variations company	36
A b a 3a-l-st	841	Married mate of manual to the	6
Goods of	841	Other States Best and a second	36
Muthaliyar • •	. 875.	compared	7, 8
Müthathu (Malayala Siva Brahman)	875	. Out-growing the means of subsistence	49
machina (man) ato a second		" (Over): Emigration, a remedy for	44
. 	384	Pressure of—	12
Nadar .	71	" Proportion of urban to rural—	62
Nampütifi • • • • • • • • • • • • • • • • • •	870	" (Rural): Variation in—	76
National income	497	(Rural and urban): Civil condition of-	181
Natural Divisions	8	" Urban— .	60-
- ··· ·	875	" (Urban): Age constitution of-	09
Nayar Non-cultivating proprietors	248	,, Birthplace of-	68
Nulayan	384	Distribution of—	61, 63
TARIWANT.		Growth of—	64
· ·	•	, Variation by age-periods	106
Occupational distribution by divisions	235	in the rate of increase of	34
Occupations: Accuracy of the returns.	228	Potti	870
., Classification of—	226	Primary Schools: Increase in the number and	
Distribution by religion.	237	atrength of—	802
n in urban and		Primitive Bribos	887
rural areas	236	Olans and exogamy	408
" General distribution of the population by—		Class from which chiefs are drawn. Class of culture: Effect on	110
Nature of the returns	226	environments, habits, etc.	128
of Europeans and Anglo-Indians of females	239	Disposal of the dead	418
of selected castes	239	Distribution of—	896
(Tympostant), Stablatics of	238 241	Dwellings of	411
Mechaldinan	234	Ideas as to the sun, moon, celipse, etc.	422
Onhthalmic Hospital	216	Introductory rumarks	895
Organized industries: Comparison with	,	Manners and customs ,	809
. previous censuses .	253	Kāņikhāran .	404
Directing, supervising and elerical staff in-	254	Malankurayan .	408
" Welfare workers in	254.	Malapantaram	800
Women and children employed in	254	Malapulayan .	402
Over-enumeration in 1931: Improbability of—	82	Malayarayan .	408
Over-population: Bennedies for -	44	Mannan	400
P		Muthuvau	800
Pallan	884	Paliyan	401
Palm-leaf umbrella making	460	Thantapulayan Ullatan	406 404
Palmyra sugar-candy (Preparation) .	464	Urali .	401
Causes of decline of the industry.	465	Věttuvan.	408
Pāṇan	884	Vizhavan	403
Paravan	885	Primitive Tribes: Physical_characters	800
Parayan (Sambayar)	385	Remedies for depopulation	423
Partition: Bleet on distribution of land among		Traditions of origin	415
Nayars and Havne	477	Village organization of—	418
Pattntyars	869	Weapons of—	411
Polygamy	168	Professions and liberal arts	251
Polyandry	164	Properties: Movable-	480
Population (Actual) of the State and its divisions .	6.	Proprietors: Non-cultivating-	248
17 p SCX vatio of—	127	Public Administration	251
" (Average) of different types of towns.	62	Pulayan (Chēranar)	885
Checks on the country	17	Pulluvan	385
, Checks on the growth of — Classification by occupations.	47	Pupils: Proportion of-to total population .	804
. Correct rate of natural increase of—	365	in primary schools to popula-	a^4
- 10 oldest rese or mittel inclease of-	32	tion of school-going age .	304

	_	_	PAGE	75	PAGE
	. Q	•	* 50	Tantras (Bitualistic worship)	349
Quilon -	•		72	Tea: Caltivation of	245
	R			Thälikettukalyanam	162
Rainfall .		-	14, 22	Thantan	385
Ramakrishna movement	•	•	354	Toddy drawing	250
Reddi .			377	Town areas: Variations in—	59
Relapse into illiteracy	•	•	305	fowns: Census of—	59
Religion: Distribution o	f population by-	—in divisions .	330	Doff-iston of	58
		nd rural areas	331	(Municipal) Major—	70
. , Introductory re	marke .	-	329	Nowher and some of	59
_ in towns		•	68	· · · · · · · · · · · · · · · · · · ·	
Religions (different): C	omparative gro	wth of—	331	Trade	24, 250
Other-		•	34 L	, in foodstuffs	25 t 250
Rent from land			± 91	Transport	
Rice husking	•	•	249	Method of—	78
Roman Catholics			339	Tribal Religions and Hinduism .	332
Romo Syrians .		_	339	Statistics of—	333
Rubber cultivation			245	Trivandrum	70
Rubbet carriagnos	•			ี้. ซ	
	8			Under-enumeration in 1921	32
		. •		Unemployment .	2 55
Sales mortgages and hy	ypothecations c	xecuted or	40	1	258, 259
claimed by certain o	ommunities .	•	488	, Vernacular educated.	259
Salvationists .	•	•	339	her nacta	256
Sallyan (Including Pattar	yan) .	•	377	Non-molinian	256
Sambandham .	•	•	162	dan	
Sankatāchārya : Śri	• •	. •	351	Comparison with other available statistics , Educated - Main features of the returns	257 257
Saurāshtra (Pattunūi)		•	378	Upanishads: Teachings of—	346
Screw-pine mat weaving	•	•	458	Cpanishads: Teachings of—	540,
	ne of the industr	·y •	459	() * Y ,	
Scope for devel	opment, · .	•	459	Vālan	
Sex at first and subsequer	ot births	•	140		386
determination			137 -	Vāṇiyan (Vaṇigavaisyan)	378
in towns	•	•	69	Vannān (Mannān, Pathiyan)	386
of the first-born			140	Varnavar	386
proportions at birth	•		134	Velakkithalanāyar	386
	erent agea .		136	Vilan .	- 386
her wali	gion .		130	Vēļān (including Kusavan)	378
., .,	l and urban are	98	129	Vellālan	378
Sex-ratio at death			135	Veluthädanäyar	386
by caste or tr	ihe		131	Vēttakkāran .	386
han be and the		•	133	Villages: Description of -	73
Remarks on—	•	•	126	"Number of—	73
Silk wearing .		•	442	Vitasaivar	379
Reonomic aspect		•		Vital Statistics : Accuracy of	28
Frilling	, 01	. •	446	w	
•	•	•	446	1	
Historical	•	•	442	Wages	25
Introductory	•	•	442	" Agricultura[— .	498
Warping	•	•	445	in organized industries	498
Weaving		•	145	, of artizans.	498
Sik yarn: Preparation of Size and sex constitution		•	444	Wealth: Classification of-	470
		•	141	, Definition of—	470
" (Average) of family		•	142	Distribution of - by division and taluk	483
Size of family : by caste		. :	147	, Total—	482
	ation of husbane		146	Widows: Large proportion of—	174
	of age of marris			Wives, widowers and widows : Proportions of -	184
	n to duration of	marringe .	149	Women: Social position of—	169
S. N. D. P. Yogam.	• • •	•	= :	Wood industries	248
Soil .	. #	•	1+	seasoning	248 459
outh India United Chu		•	339	Workers and non-workers: Comparison with other	*98
teel industry	•	•	457	States, Provinces and countries .	231
Introductory		•	457	Working dependants	233
Manufacture of		•	457	n , (Female)	241
Preparation of t		•	457		~ * *
8melting the		•	457	Y	
Saimi Narayana and his	i movement .	•	353	Yanavan (Idayan)	387
Sweetmeat making	•	•	249	Yaws	2 20
Syran Christian	• •	· ` •	389	Yōga (Karma)	348
•	•			Yuyomayam	34 0