POPULATION

Z

HISTORY

Essays in Historical Demography

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EUROPEAN MARRIAGE PATTERNS IN PERSPECTIVE

J. HAJNAL

The uniqueness of the European pattern

turies up to 1940 was, so far as we can tell, unique or almost unique in the world. There is no known example of a population of non-European civilization which has had a similar pattern.

The distinctive marks of the 'European pattern' are (1) a high age at marriag and (2) a high proportion of people who never marry at all. The 'European pattern pervaded the whole of Europe except for the eastern and south-eastern

Let us consider data for 1900.¹ The European pattern extended over all o Europe² to the west of a line running roughly from Leningrad (as it is now called) to Trieste. The European pattern may be seen in Table 2 below. On the other hand, the countries east of our imaginary line are shown in Table 3 Several of the Slav countries in Table 3 displayed quite a different marriag

TABLE 1
Sclected European countries in 1900: percentages single at selected ages

(Single population as per cent of total population in age group)

| | | Men | | | Women | |
|------------------------|-------|-------|-------|-------|-------|-------|
| Country | 20-24 | 25-29 | 45-49 | 20-24 | 25-29 | 45-49 |
| European pattern': | | | | | | |
| Belgium | 85 | š | 16 | 71 | 41 | 17 |
| Sweden | 92 | 19 | 13 | 80 | 52 | 19 |
| Eastern European patte | ≅. | | | | | |
| Bulgaria | | 23 | نما | 24 | Ψ | |
| Serbia | \$o | 18 | ų | 16 | ы | I |

Note: Figures relate to territories as of 1900. For source see Table 2.

by 1900 is a convenient date for several reasons. By this time there are data in suitable form for substantially the whole of Europe, the political frontiers are more convenient for the present purpose than they became after the 1914-18 War, post-war data are influenced by the casualties of the wowhich created an abnormal surplus of women, etc.

It was most inconvenient not to have a term for the area where the European pattern obtains and I have felt free (when there is no possibility of misunderstanding) to use 'Europe' to denote the area. It is awkward to exclude Eastern Europe from Europe and it might be thought more accurate to use terms like 'Western Europe', and 'Western European pattern'. However, since these concept had to be referred to so frequently, brevity was a great advantage. Europe in our restricted sense in fact the area dealt with in many a history of Europe.

pattern from the European one. Let us call theirs the Eastern European pattern The volume of data in Tables 2 and 3 is hard to digest and, as a beginning

say Belgium with Bulgaria, or Sweden with Serbia. (Alliteration is as good a principle of selection as any other.) it is better to select a few countries for comparison. We may (Table 1) contrast

are married in this age group. are still single in the European pattern, while in Eastern Europe three-quarters the contrast is clear. For example, by age 20-24 some three-quarters of women tions single at 20-24 and 25-29 are indications of the age at marriage. Here also throughout life, in the Eastern European countries almost none. The propor-European pattern (Belgium, Sweden) a substantial proportion remain single 45-49 may be taken to indicate the numbers who never marry at all. In the who are still single in certain age groups. The numbers remaining single at Table 1, like the succeeding tables, shows the proportion of the population

Europe (except Eastern Europe) around 1900: percentages single at selected (Single population as per cent of total population in age group) TABLE 2 ages

| | | Men | | | П'ошен | |
|----------------|---------------|-----------|----------|--------|----------|--------|
| Country | 20-24 | 25-29 | 45-49 | 20-24 | 25-29 | 45-49 |
| Austria | 93 . | <u> </u> | 1 | S , | | = |
| Belgium | 80 | şo. | 16 | 71 | 41 | 17 |
| Denmark | 30 30 | şo ' | oʻ | 7, | 12 | |
| Finland | ∞ 4 | 31 | 14 | 680 | 40 | 7 3 |
| France | 90 | 48 | Ξ. | ś | O | |
| Germany | 16 | 48 | 9 | 71 | 1. | Io. |
| Circat Britain | 83 | 47 | 12 | 73 | 42 | 7 |
| Holland | % 9 | 53 | 13 | 79 | 4 | Ξ. |
| leeland | 92 | ŝ | ij | 81 | ŝ | 20 |
| Ireland | 96 | 78 | 20 | 86 | Š | 17 |
| Italy | 86 | \$ | 11 | 00 | 30 | = |
| Norway | 86 | \$ | 11 | 77 | st ts | Z |
| Portugal | ž | 4x | <u>.</u> | 3 | +1 | 20 |
| Spain | (r) 18 | 34 (b) | 6 (c) | SS (a) | 26 (b) | (7) 01 |
| Sweden | 92 | 19 | 1.3 | 80 | 52 | 3 |
| Switzerland | 91 | \$8 8 | 16 | 78 | 7 | 17 |

Notes: Political boundaries as of 1900.

Population (Europe)', La Haye, 1916. Source: Institut International de Statistique, Anunaire International de Statistique, Vol. I, Etat de la

many differences between the marriage patterns of various western European countries sharing the European pattern arranged in alphabetical order. Any of trast is not due to an arbitrary selection of countries. Table 2 shows all the countries, but there is a distinct cleavage between any of them and the Eastern them would have done equally well for purposes of illustration. There are European pattern of Bosnia, Bulgaria, Romania, Russia or Serbia (Table 3). The reader may satisfy himself by the study of Tables 2 and 3 that this con-

whereas in Table 2 the figure is nowhere below 10 per cent and often above cent of women remained single around their 50th birthday in Eastern Europe, accepted as a normal (if perhaps exceptional) alternative to marriage. In Eastern 15 per cent. In the European pattern unmarried life for an adult woman was The cleavage is especially marked for women. For example fewer than 5 per Europe this alternative scarcely existed.

(Single population as per cent of total population in age group) Eastern Europe around 1900: percentages single at selected ages

TABLE 3

| Canadan | Date of | | Men | | | 1Vomen | |
|----------|---------|----------|------------|------------|------------|--------|-------|
| | census | 20-24 | 25-29 | 45-49 | 20-24 | 25-29 | 45-49 |
| Greece | 1907 | 82 | 4 5 | 9 | 44 | 13 | 4 |
| Hungary | 1900 | 81 | 31 | v, | 3 6 | 15 | 4 |
| Romania | 1899 | 67 | 21 | S | 20 | œ | |
| Возна | 1910 | 63 (a) | 31 (b) | 66 | 23 (a) | 6 (b) | 2 (r) |
| Bulgaria | 1900 | \$8 8 | 23 | e.s | 24 | سا | н : |
| U.S.S.R. | 1926 | 51 | 18 | w | 28 | 9 | 4 |
| Scrbia | 1900 | ŞO | 18 | 5 4 | 16 | 22 | н |
| | | | | | | | |

Source: Same as Table 2, except U.S.S.R. figures taken from United Nations, Demographic Yearbook, Notes: Age groups: (a) 21-24, (b) 25-30, (c) 41-50.

than like Belgium or Sweden. edge of Europe as well. Parts of southern Italy or Spain are more like Greece may probably be found not only as one proceeds eastward but on the southern European pattern prevails. Significant departures from the European pattern worthwhile study to trace the variations on the fringes of the area where the aries of a sovereign state are not necessarily homogeneous. It would be a of the figures in the first column.) The populations included within the boundand Greece.5 (The countries in Table 3 have been arranged in descending order pattern of Table 2 and the Eastern European situation—for example, in Hungary There are, of course, intermediate possibilities between the European

shift away from the traditional and towards the European pattern. available. Also in some areas 'modernization' may have brought about some altered drastically the composition of the territories for which statistics are except for Eastern Europe where the revision of frontiers after the 1914-18 Wai of the figures for individual countries would have been substantially the same, trast between the general European pattern and Eastern Europe. Indeed most picture? Any date up to about 1940 would have left unchanged the basic con-How far would a more recent date than 1900 have yielded a different

For European Russia in 1897, the percentages single were as follows:

| atterns have also l | 40-49 | 20-21) | |
|---|----------|--------|--------|
| been characteri | 4 | 42 | Men |
| atterns have also been characteristic of the United State | 5 | 23 | W omen |

The major exception is France where there was a considerable reduction in the percentages single among women over the first three decades of this century. Indeed the reduction was already proceeding in the latter half of the nineteenth century. France, in this respect as in the reduction of the birth rate, seems to have anticipated at a leisurely pace changes which elsewhere in Europe were to take place much later. See Bourgeois-Pichat, below, Pt. III, p. 489.

these variations in date it was possible to achieve consistency in the age groups used except for Spain.) Age groups for Spain: (a) 21-25 (b) 26-30 (c) 46-50. Data based on censuses taken in 1900 and 1901 except for Ireland (1891) and Italy (1911). (By

³ Some small areas (Luxemburg, Faroe Islands etc.) have been omitted

reduced and may in several countries fall below 5 per cent in the near future The 'European pattern' seems to be disappearing. and the numbers remaining unmarried throughout life are being greatly are now far lower than in the earlier 'European pattern' illustrated in Table 2 days. The percentages remaining single, especially among women under 30, revolution in marriage habits. People marry more and earlier than in former In the last two decades much of Europe has experienced something like a

with Europe is less clear.) Very few women remain single throughout life (not group 20-24 there are often fewer than 20 per cent single. (For men the contrast are reproduced in Table 4. The countries are listed roughly in order from west more common. Figures for many of the larger countries in Africa and Asia single are very low by European standards, at least for women; in the age infrequently 2 per cent or less) and for a man to remain a bachelor is not much Non-European civilizations are like Eastern Europe, or more so. Percentage

(Single population as per cent of total population in age group) Africa and Asia: percentages single at selected ages

| | Date of | | Men | | į | Women | |
|-----------------------|---------|------------|---------|----------|-------|-------|----------|
| Country | census | 20-24 | 25-29 | 45-49 | 20-24 | 25-29 | 45-49 |
| Morocco (Moslems) | 1952 | S9 | 28 | 2 | ∞ | | 2 |
| Algeria (Moslems) | 1948 | 68 | 77 | ^ | 2.1 | 5 4 | |
| Tunisia (indigenous | | | 9 | · | į | ż | ŧ |
| population) | 9461 | 73 | \$ | 6 | 20 | = | 4 |
| Egypt | 1947 | 3 | 3. S | N | 20 | ٥, | . |
| Mozambique | 1950 | 54 | 23 | 4 | 17 | 7 | |
| Mauritius | 1952 | 72 | | 'n | 24 | 12. | ^ (|
| Turkey | 1935 | ŧ | 24 | Lui | 18 | 6 | ا دم |
| India (inc. Pakistan) | 1931 | 35 | 14 | + | 5 | υ | |
| Ceylon | 1946 | 80 | 43 | 6 | 29 | 12 | w |
| Thailand | 1947 | 61 | 2.4 | + | 30 | = | ا دد |
| Malaya (Malays) | 1947 | 54 | 17 | Ļ | 7 | ı | |
| Formosa | 1930 | Ş 2 | 19 | 4- | 13 | 4 | 0 |
| Korea | 1930 | 33 | 10 | ı | ы | - | 0 |
| apan | 1920 | 71 | 26 | ы | 31 | 9 | 2 |

Note: All figures relate to territories as of the dates stated.

Sources: Morocco, Algeria, Tunisia, Mauririus-United Nations, Demographic Yearbook 1955.

Table 2 1955) pp. 12-13. Recenseamento geral da população em 1950. Vol. III, População não civilizado' (Lourenço Marques Mozambique-Portugal, Provincia de Moçambique, Repartição Tecnica de Estatistica.

Other countries-J. Hajnal, 'The Marriage Boom', Population Index, Vol. 19, No. 2 (1953).

different characteristics in different cultures and it is not possible to define term 'married' has a different meaning in a country such as India where child marriage is traditional from that which it has in a European setting. For the Table 4 with European data. In the first place the family as an institution has marriage' in a unique way for statistical purposes in all countries. Clearly the There are considerable difficulties about comparing figures such as those in

> question. Such a definition will be meaningful in very many societies. regarded as appropriate for the bearing and rearing of children in the society in purposes of this paper marriage means roughly entry into a union which is

tion was carried out is even more dubious. tive initations of European classifications have often been used in societies where these were inapplicable. How the definitions were applied as the enumeraas marriages in the census. The precise scope of census classifications even as are several accepted forms of marital union, only some of which are classified married by the civil or ecclesiastical authorities, whereas the people themselves times official statistics count as married only persons who have been declared should not be so classified. The opposite difficulty occurs in many cases. Sometime later. In Indian data people are counted as married who, for our purposes, or even more than a year so that she only joins her husband permanently some intended by those in charge of planning the census is often unclear; uninaginatake little notice of the requirements of these authorities. In some societies there customary in some areas for the girl to return to her parents' home for months ceremony) after which consummation takes place. Even after that it seems classified as married who had completed the second marriage ceremony (gauna For India it would clearly be preferable to have data where only those were represent anything even remotely corresponding to the definition just sketched. For many areas the available data on marital status unfortunately may no

numbers of women who have borne children may also be used in several countries to show that the marriage pattern cannot be of the European type.8 statistics as unmarried.7 More accurate and meaningful data than are yielded by the official censuses are sometimes available in special studies (e.g. the type of definition, ought to be counted as married have been treated in the given in Table 4. Marital status data for Latin American countries and the Trinidad survey described by Braithwaite and Roberts). Information on the Caribbean area have been largely uscless because so many people who, on our if the true facts were known would undoubtedly be even lower than those In many instances (e.g. Ceylon and Japan) the proportions of persons single

marital status may not be independent, i.e. there may be a tendency for census highly inaccurate in many countries. What is worse, information on age and A further difficulty is that figures on age distribution are known to be

Fertility rates per 1,000 women (of all marital conditions)

Bulgaria 1901–5 289 (Data from Kuczynski, The measurement of population growth, p. 123.) Sweden 1871-5 61-51 106 289

may be found in the list of references at the end of this article, ⁷ There is a recent review of the available information by Mortara. (Details of works mentioned

high illegitimacy rate and references in the literature to consensual unions (Stockholm marriages) suggest that the effect might be substantial. Fertility data may be cited to show that correction for this effect would still leave a wide gap between the European figures and others. For European countries the fertility data should relate to a period before the widespread use of fertility limitation. not always above suspicion. For example, if consensual unions were taken into account the percentages Table 17. The accuracy and meaningfulness of marital status data for European countries is, of course single would be lower than those given in Tables 1 and 2. For nineteenth-century Sweden a relatively of all kinds at ages under 30. (At higher ages differences in the percentage of widows have to be taker The following comparison of age specific rates based on all births, legitimate and illegitimate, shows the differences between Sweden and Bulgaria in the proportions of women living in unions into account in interpreting such data, 8 A collection of data of this kind may be found in United Nations, Demographic Yearbook 1955.

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enumerators to put down a woman as being above a certain age if she is married but to treat her as younger if she is unmarried.

The fact that most of the figures in Table 4 are for recent dates must also be remembered. For our present purpose the proper contrast would be provided by figures which described non-European countries as they were before their social structure began to be modified by changes derived from Europe. If we had statistics going further back in time (e.g. for nineteenth-century Japan) the contrast with Europe might well be greater in several cases than Table 4 suggests.

No survey of the information for small pre-literate societies appears to exist. However, it would seem that in the large majority of these, marriage, for women at any rate, is early and universal.

When all the qualifications about the data have been made, there can be no doubt that our original generalization remains. The European marriage pattern is unique for all large populations for which data exist or reasonable surmises can be made (e.g. it may be surmised that those Chinese populations for which we have no data are similar to those for which figures exist). Europeans have married very much later than others and far more of them have remained unmarried throughout life. In non-European civilizations there are scarcely any single women over 25. It is not, of course, intended to suggest that non-European civilizations do not show wide variations in the pattern of their marriage rates. But all the varieties that exist are separated by a distinct gap from the European pattern.

The eighteenth century

The reason why four Women out of six do not bear children every year is that they cannot marry because of the discouragements and difficulties in their way.

RICHARD CANTILLON: Essai sur la nature du commerce en général (1755).

If the European marriage pattern is unique, it is natural to ask, 'when did it arise?' Curiously enough, this question seems scarcely to have been asked, let alone adequately answered. The suggestion has occasionally been made that late marriage is characteristic of urban-industrial societies while agricultural countries have early marriage. The suggestion is certainly unfounded. Eighteenth-century Scandinavia can hardly be described as urban or industrialized.

The question about the origins of the specifically European marriage pattern ought to be answered by historians well versed in Europe's economic and social history back into the Middle Ages, as well as experienced in handling such statistical material as can be reconstructed for periods earlier than the eighteenth century. A demographer accustomed only to deal with modern data cannot go very far.

What follows is really only a survey of the most easily accessible territory. There may well be much more material, even of a statistical nature, in places where a demographer would not be able to look for it.

The first step is to see how far back into the past the specifically European pattern can be traced. The type of data used in Tables 1-4 unfortunately does

not go very far. Censuses with cross-tabulations of age and marital status do not go back even in Europe before about the middle of the nineteenth century except for some Scandinavian materials. For Norway and Denmark we can go back to the end of the eighteenth century, and for Sweden the cross-classification of age and marital status has been reconstructed back to 1750. (For the Scandinavian data, and nineteenth-century data for other parts of Europe, see Hajnal (Pop. Index, 1953).) There is also some information from marriage registration. Marriage in Scandinavia in the eighteenth century may well have occurred earlier and there may have been fewer remaining single throughout life than in the nineteenth century, but there can be no question that marriage habits conformed to the European pattern and not to the pattern common to the rest of the world.

Nor indeed would one expect anything else. Historians on the whole appear to have taken it for granted that marriage patterns in Scandinavia and indeed throughout Europe in the eighteenth century were of the same general type as later. The changes in the marriage habits which have been looked for have been changes in the opposite direction, namely towards more and earlier marriage as a possible explanation for the spurt in population growth.

Much more information could probably be extracted from the early censuses or enumerations. When the European pattern prevails this fact will usually be clear from any data on the distribution of the population by marital status, even without cross-classification by age, since the gap between the marital status distribution characteristic of Europe and those of other civilizations is substantial. Of course, if no cross-tabulation of marital by age is available, it will not be possible to deduce whether the proportion remaining single throughout life is high or whether it is only late marriage which is responsible for a high percentage of unmarried persons.

Unfortunately most of the published information before 1800 on distributions of populations by marital status relates to cities. Cities, however, are far from being closed populations. The distribution of their populations by marital status is influenced not only by their marriage habits but also by migration. European cities in particular have frequently shown signs of this by having a surplus of unmarried persons and especially women (in former days many of these were servants). This phenomenon occurs throughout the centuries back to the Middle Ages. The right inference to draw from a high proportion of single women in a city is often not so much that urban life discourages marriages but that cities provide opportunities for single women to carn a living and single women, therefore, go to live there.

However, some information is available from a number of counts covering rural populations in the eighteenth century. A review of this material has been placed in an Appendix to this paper. All of it, as far as it goes, suggests the general conclusion that the European pattern originated before the eighteenth century.

For studying marriage in the eighteenth century, we are not confined to data on the distribution of the population by marital status. The distribution of marriages by age, and the mean age at marriage calculated from it, provide perhaps the most natural approach. We may begin with the series for Venice

published by Beltrami." These figures are mean ages at marriage for all marriages without distinction between first and later marriages.

| 1780-4 | 1760-1 | 1740-4 | 1720-4 | 1701-5 | |
|--------|--------|--------|--------|--------|----------|
| 31.7 | 31.6 | 31.4 | 31.0 | 29.9 | Men |
| 28.0 | 1.87 | 29.3 | 29.8 | 28.8 | III omen |

To interpret figures on mean age at marriage¹⁰ we must inquire what mean ages should be regarded as characteristic of the European pattern, and what levels would indicate a non-European pattern. There is little direct information on the distribution of marriages by age for countries where the marriage pattern is non-European. Such countries in many cases have no system of marriage registration at all or else the registration system covers only an inadequate portion of the marital unions, as explained earlier. Even where the registration system covers the bulk of marriages, statistics of age are often unreliable since many people do not know their ages. However, information on the age at first marriage¹¹ may be obtained by indirect calculations of this sort suggest that a non-European pattern implies that the mean age for marriages of single women is below 21. According to the European pattern the mean age for the marriages of single women must be above 23, and has in general been above 24.

It is much more difficult to specify limits for the overall mean age of marriage of women, i.e. if the marriages of widows and divorced women are included. (In European populations in the eighteenth century and earlier, there are for all practical purposes no marriages of divorced persons.)

If we assume that the mean age at first marriage is at most 21.0 years and make rather extreme assumptions about the proportion of marriages which are remarriages and about the mean age of the bride at such marriages¹² it

seems likely that the overall mean age at marriage in non-European societies could hardly exceed 25 years. The subject needs investigation.

Probably the overall average age at marriage of women would in fact almost always be below 24 and indeed usually below 23 years in societies exhibiting a 'non-European' marriage pattern. As an actual example, the following data for Serbia may be quoted.

| 1896-1905 | 1886-95 | • | |
|-----------|---------|-----------------|----------------------|
| 19:7 | 20.0 | of single women | Mean age at marriage |
| 21:3 | 21.7 | (all women) | Mean age at marriage |

In societies with a European pattern the overall mean age at marriage of women is sometimes as low as 24.5 (Italy 1911-14), but usually a good deal higher.

Going back to the eighteenth-century Venetian data, we can now say that they are clearly of European type. The number of marriages in which the age of the spouses was not given is remarkably low for eighteenth-century Venice. However, in parish registers of that period, statements of age are generally not given or are too incomplete to be of much use. There are, therefore, very few studies making use of age statements at marriage registration. According to one study the age of the participants was stated in the records of 63 of 83 marriages celebrated in 1664-9 and 1693-5 in the village of Someren in the Netherlands. The average age of the bridegroom was 27 years 4 months, that of the bride 26 years 8 months.

Another Dutch study (by van Nicrop) takes us back another century. It is based on the registers (civil, not ecclesiastical) of the city of Amsterdam and covers 11,597 marriages contracted in 1578-1601. In 9,247 marriages the bridegroom was a bachelor and 8,052 of them stated their ages, though only 4,664 did so without adding some indication that the information was approximate. There were no bridegrooms under 18. The percentage distribution of the stated ages (including approximate ones) was not unlike the distribution of the ages of bachelor bridegrooms in England and Wales in 1891-95:

| | | 30 and over | 25-29 | 20-24 | 18-19 | | |
|-----|---|-------------|-------|-------|-------|-----------|------------------|
| 100 | Ì | 13 | 34 | 51 | 2 | 1578-1601 | Amsterdam |
| 100 | { | 17 | 34 | 47 | 2 | 1891-5 | England and Wale |

remarry at a younger average age than widows. Within recorded European experience the proportion of marriages in which the bride was a widow has apparently not exceeded 20 per cent and has usually been below 15 per cent. 40 seems a high average age for widows marrying (40 was the mean age of widows marrying in England and Wales at the beginning of the century). If we take 20 per cent for the proportion of remarriages and 40 for the average age at remarriage we obtain an overall mean age at marriage of 24-8, since

 $21 \times 0.8 + 40 \times 0.2 = 24.8$

Approximately the same figure is reached if we increase the proportion of remarriages to 25 per cent, but assume that the average age of the bride at such marriages is only 36 years, or assume that the proportion of remarriages is 30 per cent, but the average age at remarriage 14 years, ere

the proportion of remarriages is 30 per cent, but the average age at remarriage 34 years, etc.

13 I have not seen the original paper by Sassen. The details quoted are from Mols (Vol. III, p. 137). Mols' monumental work provided an invaluable guide to the sources for the preparation of the present paper.

⁹ See Beltrami, p. 181. The original distributions (by single years of age) are given in the Appendix, Table 12. The marriage rates on p. 183 of Beltrami's book for the age group 14-59 go back right up to 1601. They are a good deal higher in the seventeenth century than in the eighteenth and this suggests that more people married and married earlier in the seventeenth century than in the eighteenth. Beltrami's book contains much additional information which would lend itself to further analysis (e.g. indirect standardization of marriage rates for age, or analysis of the accuracy of age statements).

¹⁰ The crude mean age at marriage (i.e. the average of the ages at which marriages are contracted in a given year or years) can be a very misleading index when calculated for a year or a few years in periods of rapidly changing marriage habits such as much of Europe has experienced in the last three decades. The mean ages at marriage cited in this paper are almost all based on data for substantial stretches of time. Moreover, our merest is not in the study of small changes. The difference between the European and non-European marriage patterns is a wide one. For our purposes, doubts about crude mean ages at marriage can safely be set aside.
¹¹ The mean age at first marriage for men is the mean age at marriage of all men who are single.

before marriage including those whose brides are wislowed or divorced. Similarly the mean age at first marriage of women refer to all marriages of single women, including those who marry wislowers or divorced men. A method of computing mean ages at first marriage from proportions single is explained in Hajinal, 'Age at marriage and proportions marrying' (1953), Appendix III.

¹² The two factors (the proportion of remarriages and the mean age at remarriage) are not independent. A lower age at first marriage for women, a greater age difference between bride and bridegroom and higher mortality are all factors which make it possible for widow marriages to constitute a higher percentage of marriages in non-European societies than in mieteenth-century Europe; but these same factors lower the average age at which widows remarry by comparison with European standards. Divorce also increases the proportion of remarriages, but divorced women

TABLE 5

Unfortunately van Nierop made no analysis of information about the brides; she felt the bridegrooms were more interesting.

In general, however, in marriage registers of the eighteenth century and carlier, statements of age are not given or are too inaccurate to be of much use. This difficulty can be overcome by the laborious procedure of matching each marriage certificate with the baptismal certificates of the spouses so that their ages can be determined directly from their date of birth. The earliest study in which statistics on age at marriage were obtained by this method may well have been that published by Roller¹⁴ in 1907. It relates to the small town of Durlach in Bavaria (Germany). The mean ages at first marriage were as follows:

| 1781-1800 | 1751-80 | 1721-50 | 1701-20 | |
|-----------|---------|---------|---------|------------|
| 26.6 | 27.6 | 27.4 | 28.7 | Men |
| 25.1 | 25.6 | 25.4 | 26.3 | 11/2/11/21 |

For comparison it may be added that the average age at first marriage in the whole of Bavaria in 1896-7 was 27.4 for men and 24.9 for women. There is thus no substantial change from the eighteenth century.

In the pioneer study by Morrell (1935) of the registers of two English parishes (North Elmham in Norfolk and Wedmore in Somerset) ages at marriage were obtained by the matching of marriage and baptismal records. This study is also remarkable in going back to the sixteenth century. The overall mean ages at marriage (including remarriages) were as follows:

| Women | Men | | |
|-------|------|-----------|--------------|
| 24.5 | 27.6 | 1361-1606 | North Elmham |
| 24.6 | 27.9 | 1634-45 | Wedmore |

The numbers of marriages upon which the averages are based is not given, but it seems likely from other information that this number exceeded 150 in each parish. It is not clear whether it was possible to establish the age of the spouses for all the marriages taking place in the stated periods.

In recent years the technique of matching records has been applied in a number of studies. Such work can be greatly assisted by modern data processing equipment and is likely to be undertaken on an increasing scale, so that, in a few years, much more information on the age at marriage in the seventeenth and eighteenth centuries should be available. The series given in Table 5 relates to an Italian village and covers a period of 2½ centuries. It is the product of an extensive study whose focus is on human genetics. The project is under the direction of L. L. Cavalli-Sforza who has very kindly made available the data reproduced in Table 5. It will be seen that the mean ages at marriage fluctuate (partly on account of small numbers), but no trend appears.

The matching of parish records was also the technique employed in the well-known study of the French village of Crulai in Normandy published by Gautier and Henry in 1958. No change appears within the period covered,

Marriages in village of Riana (Parma diocese), Italy

| 1850-99 | 1750-49 | 1650-99 | Year |
|----------------------|------------------------|-----------|----------------------------------|
| 12 49 | 29 10 | 30 | No. of marriages |
| 33·8±2·6 32·8±1·1 | 34·3± I·8 32·2± 2·8 | 33·2± I·4 | Average age of bridegroom ± S.E. |
| 30·2±2·2 27·8±1·0 | 30·4±1·5 29·1±2·1 | 25·4± 1·2 | Average age of bride ± S.E. |

Notes: Restricted to marriages where both bride and bridegroom are born in the village. The table refers to all marriages (including remarriages).

S.E. means standard error.

namely 1674-1742. The mean age at first marriage was 26:6 years for men and 25:1 years for women. The for another French parish at a somewhat later period (1760-90) Girard obtained mean ages at first marriage of 27:4 for men and 26:2 for women. These figures compare with 28:3 and 24:1 respectively for the whole of France in 1851-5. We may also refer to a figure of 24:75 years for the mean age at first marriage for women in Paris in the eighteenth century. Bourgeois-Pichat (1951)¹⁶ states that it is based on 'recherches directes dans registres de l'état à Paris'.

Some very interesting information on the average age at marriage in seventeenth- and eighteenth-century England is given in J. D. Chambers' monograph on The Vale of Trent (1957).¹⁷ The basic data are not parish registers but 'allegations' of marriage for Gloucestershire and 'certificates' of marriage for Nottinghamshire. Only those who wanted a quick or quiet wedding, without the formalities of the usual procedure, are included and the poorer classes are under-represented. We are not told what percentage of all marriages is covered and the accuracy of age statements is not discussed. Presumably remarriages are included, not only first marriages. Chambers uses medians not means. Occupational groups are distinguished. This study gives by far the earliest significant information on differences between the marriage habits of social groups.¹⁸ The Gloucestershire data go back to 1637. The median ages at marriage show no trends over time. They could come very well from nine-teenth-century or twentieth-century European data.

Some further mean ages at first marriage may be added from an unpublished

¹⁴ I have not myself seen Roller's study. The figures on age at marriage are taken from Mombert, *Berölkeringslehre*, p. 118. Mols (Vol. II, p. 268, note 3) suggests that they were obtained by the matching of marriage and baptismal records.

¹³ The figures are based on 272 marriages of bachclors and 216 marriages of spinsters respectively. These are marriages where the date of birth of the spouses, and hence their age, could be established. For the marriages of persons where the baptismal certificate was not found (presumably in almost all cases these persons were not born in the village) approximate ages at marriage were computed as far as possible from the ages at death. The means calculated from these approximate ages are somewhat higher than those given above.

¹⁶ He quotes a publication entitled Recherches Statistiques sur la ville de Paris et le département de la Scine, Paris, Imprimerie Royale, 1829. Bourgeois-Pichat's article also contains an indirect calculation broadly confirming this figure of 25 years as the mean age at the first marriage of women for eighteenth-century France. See below, Part II, p. 484.

17 See below, Part II, p. 327.

¹⁸ Unfortunately the next earliest study, relating to Bari in Italy in 1750, was not published in adequate detail (see De Meo 1934).

sentativeness of the genealogies in regard to the social composition of the underestimating the age at marriage. No information is available on the repreof those who left more offspring. Such a tendency would presumably lead to population. Here are the mean ages at first marriage of persons born in the families and subject to possible selection bias, perhaps in favour of the inclusion paper by Paul Deprez.19 These are based on genealogies of Flemish rural periods stated:

| Female | Male | |
|--------|------|---------|
| 23.9 | 25:3 | 1680-09 |
| 24.2 | 25.9 | 1700-19 |
| 25.1 | 26.4 | 1,20-39 |
| 25.1 | 26.7 | 1740-50 |
| 23.1 | 24.1 | 1760-79 |

mentioned, there were in the period 1750-1800 224 burials of women over 50. formation is to compute the percentage of deaths of women dying over say classification of deaths by age and marital status. One way of using this inwomen dying over 50 may thus have been as low as 2 or as high as 11.6 (accordmarital status cannot be determined. The percentage of single women among ummarried. In the study of the French village of Crulai, which has already been so years of age. This gives an estimate of the percentage permanently remaining in mind the effects of migration. Some women from Crulai may have become been low by nineteenth- or twentieth-century standards even for France (which the truth lies somewhere in between. 20 In any case the percentage seems to have ing to whether we assume that all or none of the 22 were single). More likely 198 were of married or widowed women, 4 were single and in 22 cases the were single and of the men no fewer than 20 per cent; Deparcieux remarks that published by Deparcieux (1746). Of the women dying over 50, 15 per cent status and age of deaths in 1715-44 in the parish of Saint-Sulpice in Paris was have emigrated to a city, for example as servants. The distribution by marital nuns and died in a convent away from the parish. Other single women may life). Apart from the possibility of accidental variations, it is necessary to keep had the lowest proportion in Europe of women remaining single throughout there were many servants in the district. Another type of data sometimes available for the eighteenth century is the

over 40,000 deaths of persons over 25. 10 per cent of the female deaths and status is recorded by Süssmilch²¹ for the nine years 1748-56. There were in all 13 per cent of the male deaths were of single persons. Since the lower age limit European population. However, they are far too high (especially in the case of women) for any nonyet too rare, these percentages are rather low by later European standards here is 25, so that some of the deaths took place at ages when marriage is not For Pomerania the distribution of the deaths of persons over 25 by marita

many countries to the first half of the eighteenth century or even earlier. There To sum up, the European pattern in age at marriage can be traced back in

some suggestion in the data that fewer people remained single throughout is no record anywhere22 of a non-European early age at marriage. (There is life in the eighteenth century than after 1850.)

The aristocracy

tunes, which are the great Bulk, are unable to support the Expence Celibacy; Each Sex compensating itself, as it can, by other Diversions of a Family with any Magnificence . . . they, therefore, acquiesce in The unmarried Ladies and Gentlemen in this City, of moderate For-CORBYN MORRIS: Observations on the Past Growth and Present State of the City of London. (1751)

evidence on marriage, at least so far as unselected data (i.e. covering all inhabitants of an area) are concerned. Before the latter half of the seventeenth century, there is almost no statistical

selected for Table 6. remaining single of the survivors at successive ages. Two ages have been marriages (as against the more customary method of studying the marriages occurring in successive periods). It is thus possible to consider the numbers occurring throughout an individual's life. It is most useful to analyse the data by type it is possible to trace the vital events (marriage, birth of children, death) children of kings, queens, dukes and duchesses. In genealogical records of this groups, and above all the aristocracy. Table 6 gives data from a study of the British peerage by Hollingsworth (1957).²³ The figures relate to the legitimate cohorts', i.e. to consider individuals born in successive periods, and study their A continuous record going back earlier is available for selected upper class

represent a marriage pattern quite different from the later 'European' one, but The story told by Table 6 is a remarkably clear one. The first two lines

British peerage study

| Period of | | | | |
|-----------|--------------------------|---------|-----------------------|-------------|
| | Per cent still single at | ngle at | Per cent still single | l single at |
| birth | 20 | 50 | 20 | 50 |
| 1330-1479 | 70 | 9 | 42 | 7 |
| | 79 | 14 | 4. | - - |
| | 93 | 23 | 75 | 17 |
| | 97 | 21 | 76 (| Ι. |
| | 100 | 22 | 80, | 12.1 |
| | 100 | 20 | 8, | 22 |

cohort, but of course the number of marriages was smaller, especially in the early cohorts. Source: Hollingsworth (1957) p. 14. The numbers on which percentages and average ages at marriage were based are not given. At birth there seem to have been between 120 and 200 of each sex in each

¹⁹ Delivered at a conference in Nottingham, 14 December 1960. For a later account by Deprez

parish for the end of the eighteenth century by Girard.
21 Vol. I; Appendix, Table 12. using these data, see below, Part III, p. 608.

20 Similar results to those of Crulai on the women dying single were obtained from another

evidence worth considering. Even before the famine the age at marriage in Ireland was, however, probably similar to that in other North-West European countries as shown by the percentages single recorded at the census of 1841. (See Hajnal, 'The Marriage boom' (1953), p. 95, Note 6.) For Connell's view, see below, Part III, p. 423.

23 See below, Part II, p. 334. century Ireland. A special Irish marriage pattern developed in the decades after the famine, with ver-late marriage and high percentages remaining unmarried. Connell's theory that there had been shift towards earlier marriage in the decades before the famine is unsupported by any statistic. 22 It has been suggested by Connell (1950) that early marriage was characteristic of eighteenthby any statistical , with very

picture is a typically 'European' one. something like that found, for example, in Bulgaria, at least so far as age at than in non-Western societies. From the third line of the table onwards the marriage is concerned. The population remaining permanently single is higher

from the Middle Ages to the eighteenth century. The mean ages at first marriage show the same drastic change²⁴ as we pass

| Women | Men | Period of birth |
|-------|------|-----------------|
| 17-1 | 22.4 | 1330-1479 |
| 19.5 | 24.3 | 1480-1679 |
| 22-2 | 28-6 | 1680-1729 |
| 24.0 | 28.6 | 1730-79 |
| 24.7 | 30.5 | 1780-1829 |
| 2.1.2 | 30.0 | 1830-70 |

a 'European pattern may have occurred at roughly the same time as among European' marriage pattern. As Table 7 shows, the change from an earlier to groups (especially among women) seem to show traces of a former 'nonaristocracy, the ruling families of Geneva. Their demographic characteristics the members of the British peerage; but too precise a comparison should not have been studied in a monograph by Henry (1956). The figures for the earliest We turn now to the records of what should, perhaps, be termed a republican

Ruling families of Geneva TABLE 7

| - | Men | 11 онен |
|---|------|--------------------------------------|
| 2 | 27-2 | 21.4 |
| 7 | 29.1 | 24.6 |
| 25 | 32.6 | 25.7 |
| 29 | 31.6 | 26:3 |
| 31 | 31.5 | 24.0 |
| 25 | 1·0c | 22.7 |
| 17 | 29:2 | 74.7 |
| 15 25 25 25 25 25 25 25 25 25 25 25 25 25 | | 1Vomen 2 7 25 25 29 31 25 17 |

Source: Henry (1950) pp. 52 and 53.

Notes: The computation of the percentage dying single is complicated by the fact that some persons are lost from observation while young (e.g. owing to emigration). This difficulty is far greater for the men than for women and Henry calculated two series of estimates by making allowance for this by the study, but also the brides (if single) of the men in the ruling families. ages at marriage given for women include not only the daughters of the 'ruling families' covered factor in two ways. The figures given above for men are the averages of the two series. The mean

cohorts the number of marriages of spinsters occurring at ages over 35 and indeed over 50 appears in successive cohorts were: 60, 91, 177, 133, 89, 52, 96. The standard errors of the mean ages at marriage vary between 1.0 and 1.7 for the men, between 0.8 and 1.2 for the women. In earlier Sampling fluctuations need to be kept in mind: The estimated numbers of women dying over 50

continental European aristocracies a 'non-European' pattern persisted far longer a manner less suitable for our present purpose. His data suggest that in the than in the British peerage. The families studied by Peller retained a position of Peller in his study of the European aristocracies25 analysed his material in

age of 18. His charmingly romantic view of marriage in England deserves and heir of the Duc de la Rochefoucauld who visited England in 1784 at the British conditions was noted by at least one contemporary observer, the son century, as recently shown by Henry and Levy. Indeed the comparison with customs of the majority of the French population, right into the eighteenth substantial feudal privileges and a distinct manner of life far longer than their 'Ducs et Pairs', also preserved a pattern of very early marriage, distinct from the British counterparts. The very highest layers of the French aristocracy, the

themselves, namely divorce.'26 English husbands have an advantage over us of which they sometimes avail diately after marriage. The young couple never stay with their parents. . . . Perhaps another reason for this is because it is usual to set up house immethis is why matriage before the age of twenty-five or twenty-eight is rare. know his bride before marriage; she has the same desire and I believe that life a misery. An Englishman, therefore, makes a greater effort to get to think so. In England, to have a wife whom you don't care for must make wife makes it necessary to marry at a much later age, but I am inclined to me pleasure. . . . I am not sure whether having to live constantly with one's most uncommon to see one without the other. . . . They always look perfectly harmonious; the wife especially looks so contented that it always gives 'Husband and wife are always together and share the same society. It is

families which have numerous offspring) were mentioned above. on account of the interest of descendants (for example, selection in favour of represented). The selection effects which may bias genealogical data collected prosperous urban sections of society (the agricultural population is hardly tions recorded show that the families involved belonged largely to the more presented by Rümelin (1926) can also be included in this section. The occupa-The analysis of the genealogies of some families in Württemberg (Germany)

The precise nature of the records is not described in Rümelin's paper and

Age at first marriage according to genealogical records of a family in Württemberg (Germany)

TABLE 8

| | • | Men | W. | Women |
|---|----------|-------------------------|-----------------|-------------------------|
| Century | cases | Mean age at marriage | No. of cases | Mean age at marriage |
| 16th | ŞI | 25.3 | 3.4 | 37:4 |
| 1705 | 134 | 26.3 | 62 | 30.5 |
| - ISCh | 116 | 28.9 | 90 | 24.0 |
| 19th | 91 | 31.1 | 94 | 25.3 |
| Source: Diintolia (2026) Table at all and are | C) Table | | | |

Source: Rümelin (1926), Tables 3a and 12a (Family L').

There is no explanation why there are so many more cases for computing the male ages than

was completed.
25 See above, p. 87. ²⁴ This change in marriage pattern is also observed in a recent article by Stone, a sociological study of marriage in the English nobility. I only got to know of Stone's article after this paper

²⁶ François de la Rochefoucauld, Mélanges sur l'Angleterre. The quotation is from an extract translated in Francesca M. Wilson, Strange Island, London (Longmans, Green and Co.), 1955, p. 124.

TABLE 9

sixteenth century are summarized in Table 8. The men in this genealogy were records which includes material on women's age at marriage going back to the largely salaried professionals, in particular civil servants and clergymen. there is no discussion of completeness or accuracy. Data from the one group of

for an analysis on modern lines. type used by Rümelin are still in existence27 they might be promising material centuries. No weight can be attached to this fact, but if original records of the There are hints in Table 8 of a non-European marriage pattern in the earlier

۲ It is, of course, entirely possible that, before the modern era, the aristocracy and the upper classes generally married much earlier than the bulk of the Scandinavia, married later and less frequently than the population as a whole.) population. (In the nineteenth century, the aristocracy, at least in England and We now consider the scanty data available for unselected populations in the

The Middle Ages

Of husbands at the church-door I've had five Good Sirs, since I was twelve, some years ago (Thanks be to God that I am still alive)

(Modern version by W. van Wyck) CHAUCER: Wife of Bath's prologue

a marital status classification of the adult population are available even for the and, in any case, must have been of dubious accuracy. and adults may have been unclearly specified when the lists were compiled living in their parents' home). Moreover, the age distinction between children made on the basis of indications in the original records which were intended fourteenth and fifteenth centuries. The marital status classification must be therefore more or less incomplete (e.g. in the case of servants or adult children for other purposes (e.g. taxation) and the indications of marital status are A few urban administrative documents (mainly taxation lists) which permit

been compiled. were fully complete and accurate, and it was known exactly how they had difficult to interpret on account of the effects of nigration, even if the records For the reasons mentioned earlier, data of this kind for cities would be

centuries been one of the most important commercial centres of Europe. In series of this kind. It relates to Zürich in Switzerland which has for many clearly defined age category. The data for 1637 are for the population aged 16 to all persons aged 15 and over, so that in theory the figures for 1467 refer to a but in 1467 there was a head tax as well as a property tax. The head tax applied by the clergymen. Some of these were analysed in the last century by Daczynska. the seventeenth century lists of all the inhabitants were periodically drawn up have been studied by Schnyder. The tax levied in 1357 was a property tax only, More recently medieval taxation lists which contain indications of marital status As an illustration, Table 9 summarizes what is perhaps the most promising

The general picture in Table 9 is very roughly constant through the cen-27 See Mols, Vol. I, pp. 37-38.

Adult population of Zürich (Switzerland) by marital status

| 1 1 | , | | |
|---|---------------|---------------|---------------|
| Year | 1357 | 1467 | 1637 |
| Men | 1,612 | 1,187 | 2,185 |
| Per cent { Single Widowed Married | \$ * 0 | 37 2 61 | 49 I 50 |
| Women Number | 1,962 | 1,649 | 2,974 |
| Per cent \ Widowed | 5 4 6 | 49 7 | 15 15 |
| Married | 49 | 44 | 37 |

Source: Schnyder (1926), pp. 56 and 71. Daczynska (1889), pp. 387 and 389.

clear indication of immigration from the teens onwards.) The great excess of in an overwhelmingly rural population. (The age distribution in 1637 gives reason to suspect a high rate of migration into the city which was a tiny enclave turies. The proportions single among women are high; but there is every emerge, for example, owing to the presence of children. usually relevant to the administrative purposes of the listing, but which may deduced from the number of couples listed together; the distinction between recorded? The number of married persons is in analyses of records of this type it be that the distinction between a widowed and a single person was not always with very large numbers remaining single make an odd combination. Could very high rates of remarriage. But very high rates of remarriage for the widowed the very high urban mortality of the time. If correctly recorded they imply Middle Ages (though not in the seventeenth century) are surprising in view of from marriage. The very small numbers of widowers and even widows in the great for women. Large numbers who are single are thus no proof of abstention women over men suggests that the balance of immigration was particularly the widowed and the single depends upon the recording of a fact which is not

available for the early Middle Ages, at least in the form in which they are to me to be largely unwarranted. available so far in published work. A survey of these materials has been made Similar difficulties apply with even greater force to various fragments of data by J. C. Russell (1958), who draws various conclusions from them which seem The data for isolated medieval cities are thus of little value for our purpose.28

of one 'groat' was levied in theory on all adults over 14 (except for the clergy Russell in his earlier book British Medieval Population (1948). The special tax Middle Ages is provided by the English poll tax records of 1377, analysed by The most solid body of evidence concerning marriage frequency in the

²⁸ Perhaps, in some cases, some revealing method of analysis may yet be discovered, though this would certainly necessitate going back to the original records. The wider inferences to be drawn if there were good information about marriage in cities would have to be carefully weighed. Late marriage in some of the large centres in the fifteenth century might be an indication not of general late marriage in the period, but of the beginnings of new marriage habits which then spread throughout Europe.

thousand further persons. The proportions married are similar to those in data from parts of London boroughs and other places amounting in all to a few towns. His main results are summarized in Table 10. In addition he has assembled persons who paid.) Russell analysed such lists for a number of villages and (There seems to have been no uniform pattern for drawing up the lists of been preserved. It is possible to identify married couples in some of them. who were separately taxed, and open beggars) and many of the tax lists have

Percentages married among those aged 14 or more from the English Poll Tax Returns of 1377 (villages and towns of varying size)

TABLE 10

| (range in total no. of | Names of towns | Total persons taxed | Per cent | Per cent of taxed persons married |
|------------------------|----------------------|---------------------|----------|-----------------------------------|
| mhabitants) (a) | | | Men | П'отен |
| 1-25 | | 811 | 82 | 30 |
| 26-50 | | 660 | 68 | 7.5 |
| \$1-100 | | 1,560 | 7.4 | 7. |
| 101-200 | | 1,830 | 71 | 71 |
| 201-400 | | 1,811 | 8 | 67 |
| 759 | Dartmouth | 306 | 68 (b) | 68 (b) |
| 1,017 | Carlisle | 678 | 99 | so : |
| 2,325 | Kingston-on-Hull (c) | 1,550 | 8 | 58 |
| 4,365 | Colchester (c) | 2,910 | 62 | 19 |

Source: J. C. Russell (British Medieval Population, Tables 7.1-7.7).

Notes: (a) The total number of inhabitants is obtained by Russell by applying a constant factor of 1.5 to the number taxed, to allow for excluded classes, omissions and children under 14.

(b) For Dartmouth only a common percentage for both sexes can be calculated because there are 104 servants of unstated sex (assumed to be unmarried).

The total populations of Kingston and Colchester were calculated from 1,557 and 2,955 persons taxed, but in some cases sex and marital status could not be established; the percentages married are based on 1,550 and 2,910 persons

data than any available for any country before the era of the modern census. towns and villages of varying size is concerned, we seem to have here better of small numbers or the distortions due to migration. So far as coverage of As has already been mentioned, the clerical population are omitted from The interpretation of these data is not subject to the difficulties arising out

on the clergy and other sources. In total the number of male clergy appears to estimates of the clergy using Domesday, records of the special poll taxes levied the tax returns summarized in Table 10. In an earlier paper Russell (1944) made have amounted to under 5 per cent of the population aged 14 or over. There were some 2,000 nuns in a total of some 700,000 women over 14.

account. For women inclusion of nuns would make no appreciable difference small; indeed nuns appear to have come mainly from the upper classes.29 The Contrary to popular belief, the number of women taking the veil was very than those suggested by Table 10 if the clerical population were taken into percentages married among men would thus have been a few per cent lower

of women over 15 who were married in a country as a whole was below 55 probably somewhere near 70 per cent. The per cent married among those over samples of Table 10 are drawn could not have been under 67 per cent and was i.e. that the chance that a non-clerical person of over 14 be included in the tax in the villages. Suppose we assume that the data are unbiased by marital status, are included with the unmarried and that the vast bulk of the population was and usually below 50 in the nineteenth century.30 would hardly have been very precise). On the European pattern, the percentage 15 must have been over 70 per cent (though knowledge of age at this period married among women over 14 in the population from which the poll tax be expected on 'European' standards. It must be remembered that the widowed lists was the same for persons of all marital conditions. Then the percentage \circ f The percentages of married persons in Table 10 are much higher than could

centages married (among women aged 15 and over) were recorded: On the other hand it is very definitely of the right size if the marriage pattern of quite the wrong order of magnitude for a population of European pattern. was non-European. For example, in censuses taken in 1900 the following per-The percentage of women married according to the poll tax records is thus

| Serbia | Rumania | Bulgaria |
|--------|---------|----------|
| Ş | Š | Ş |

non-clerical person be included in the tax lists varied with marital status. On married. Only if the number of omissions was very large with a heavy pretaxed were largely unmarried. Among those near the lower age limit the ungeneral grounds it is possible, and perhaps probable, that the paupers who were covered by the poll tax records of 1377 have had a European marriage pattern ponderence of the unmarried among those omitted could the populations fewer than half were women) then the true percentage married would still s per cent. If half of them were women (in fact one is tempted to assume that believes that the total number of paupers and untaxed is only of the order of while the head of the family and his wife could hardly be missed. Russell married could perhaps more easily escape taxation by claiming to be too young. not subject to tax and those who were omitted though they ought to have been have been very definitely 'non-European' even if all those omitted were un-It was perhaps sometimes possible to conceal the presence of unmarried relatives. Unfortunately there seems no way of knowing whether the chance that a

centage points of the truth one is tempted to conclude that the marriage pattern non-European civilizations. at all like that of the eighteenth-century Europe, but much more like that of of at least some parts of medieval England in the fourteenth century was not If, on the other hand, the proportions of Table 10 are within a few per-

could be placed in such an interpretation. Is there anything abnormal in thos Further work on the poll tax records is needed before much confidence

²⁹ See also Eileen Power, Medieval English Numeries

³⁰ These generalizations are based on data from censuses of 1850-1910 collected in Amunin International de Statistique (1916), Vol. I, 'Etat de la population (Europe)', Table D.2.

The percentage of women matried in the population aged 14 and over 18 some 3 per cent below

the percentage married in the population aged 15 and over.

studies based on the original documents. the most important data so far available on marriage patterns in the Middle covered by these lists have any special character? The poll tax records are by far Ages. Russell's pioneer work on them needs to be extended with more detailed few tax lists where married couples can be distinguished? Did the villages

of such data are tricky; and it might be interesting to attempt an analysis of the at what age just 50 per cent of the heiresses are married. The statistical problems percentage of heiresses are married. The problem is, in the one case, to determine an increasing percentage of insects die, just as with increasing age an increasing biological assay corresponds to age in the inquisitions. With increasing dosage are exposed to treatment with an insecticide at various dosages. The dosage in methods in the biological assay of, for example, insecticides. Groups of insects the heiresses are married. Statistically, this procedure is closely analogous to the and cited by others, to support the contention that women married relatively ments involved in establishing claims to inheritance, has been used by Russell, seem to fit in broadly with the pattern revealed, on much more solid evidence determination of marital status is suspect, etc.). In any case, we now have the uncertainties in the interpretation of the inquisitions (the accuracy of the unmarried at 24. Apart from the question of numbers, there are several other conclusion, that in the reign of Edward I some 50 per cent of heiresses were still that the numbers Russell has been able to collect are far too small to support his inquisitions by the techniques of biological assay. Casual inspection suggests what dosage is sufficient to kill just 50 per cent of the insects, and in the other, heiress; and one can then attempt to determine the age at which one half of It is possible to classify the inquisitions by age and by the marital status of the 'late' in the Middle Ages at least in the social class covered by these documents by the peerage data. peerage materials assembled by Hollingsworth (see Table 6) and the inquisitions Another type of evidence, the 'inquisitions post mortem', i.e. legal docu-

century. It does not seem possible that the populations of medieval Europe had nobility). These practices had almost entirely disappeared by the eighteenth were apparently widespread throughout the population (not only among the marriage pattern clearly classifiable as non-European, or else some mixture of the fully developed European marriage pattern; they must either have had a Middle Ages. That some change in marriage habits took place between the the two types with a wider variation of age at first marriage than is found later Ages the betrothal of children and the marriage of very young adolescents fourteenth century and the eighteenth seems scarcely in doubt. In the Middle We return below to some indirect evidence relating to marriage in the

The ancient world

begin to doll up and put all their hopes in that. When they see that their only resource is to be marriageable, they As soon as they are fourteen, women are called 'ladies' by men

EFICTETUS: The Manual (2nd century)

Roman world. One source of information is provided by the inscriptions on Surprisingly, there is some statistical evidence on marriage in the Greco-

> of published inscriptions since that time, a far greater collection could now be who covered a far smaller number. With the enormous increase in the number dying the number of years he or she had been married is also sometimes stated obtained (see Russell (1958)). more recent attempt to assemble such data seems to be that of McDonell (1913) and 191 for men from which age at marriage could be calculated. The only the age at marriage. Harkness in 1896 collected 171 inscriptions for women By subtracting the duration of marriage from the age at death one can compute tombstones. These often state the age at death; in the case of a married person

Distribution of women's ages at marriage derived from tombstones

| | Roman Inscription | scriptions | |) |
|--------------------|------------------------|------------|-------------------------------|------------------------------------|
| Age | No. of Inscriptions | Per cent | Norway 1841-50 per cent | Crulai (France) 1674-1742 per cent |
| 10-14 | 67 | 39 | - | 1 |
| 13-19 | 8 | 35 | œ | 17 |
| 20-24 | 26 | SI | 33 | 40 |
| 25-30 | 7 | * | 30 | 27 |
| 30 - 34 | ∞ | ~ | 14 | 9 |
| Over 35 | | ъ | 51 | 7 |
| Total | 171 | 100 | 100 | 100 |

Sources: Harkness (1896), Gautier and Henry (1958), p. 83 and Norway, Statistiske Centralbureau, Oversikt over de vigtigste resultater av de statistiske tabeller vedkommende folkemængdens bevægelse, 1866-1865. Norges Officielle Statistik, Tredie Raekke, No. 106, Kristiania 1890, p. 143.

subgroup of all tombstones from which the age at marriage can be calculated which separates the distributions derived from the inscriptions from the two spouse if the marriage has lasted a long time. (On the other hand married of deaths in Roman times. For example, the deaths of young women are very ages at death derived from inscriptions clearly do not represent the distribution distributions derived from tombstones is certainly biased. The distributions of 'European' distributions added for comparison is evident at a glance.31 The further bias is almost certainly introduced in the selection of the very small death by duration of marriage should be published and not only the distribution that the duration of marriage is most likely to be recorded by the surviving Probably the bias is in favour of those who married young; one reason may be probably over-represented (see Durand (1960) and Henry (1957 and 1959)). A of the computed ages at marriage. When data of this type are published in the future, a cross-tabulation of age at persons who die before their spouses are likely to be old relative to their spouses.) Table 11 summarizes Harkness' data for women. The sharp distinction

produce from eighteenth- or nineteenth-century European marriage data the present argument cannot be in doubt. No conceivable bias in selection could Whatever the bias, the conclusion to be drawn from Table 11 for our

³¹ The distribution for Crulai is for first marriages only. If remarriage were included the per-centages for the higher age groups would be raised considerably.

tombstones record had a marriage pattern of 'non-European' type. distributions yielded by the inscriptions. The population whose deaths the

much younger age than in the 'European' pattern. to be married, at least 51 had married before 20. This shows marriage at a Nevertheless Hombert and Préaux found (pp. 160-1) that of 155 women known sometimes much higher (e.g. when the first child had died or left home). figure so obtained will, in general, be higher than the true age at marriage and tracting the age of the oldest child present from the age of the mother. The on age. Something about age at marriage of women can be deduced by subformation on relationship between members of each household and also data recently been published by Hombert and Préaux. The declarations give intwo hundred of these declarations are preserved and a full study of them has Declarations were required listing all the members of each household. Some 'censuses' of Roman Egypt. These were enumerations made for levying taxes. The same conclusion emerges from an entirely different type of data, the

assembled by Landry (1936) extended beyond the upper classes. Some fragments of statistical evidence were designed to stimulate marriage. It has been disputed whether these trends ferred from literary evidence (notably Polybius) and from the Roman legislation from Piarriage permanently both in Greece and later in Rome, has been infairly late in life. That men married late and indeed often deliberately abstained siderably older than their wives. This suggests that men may have married According to the data from Roman Egypt, husbands were usually con-

Non-statistical evidence

I have no faith in anything short of actual measurement and the Rule

CHARLES DARWIN: Letter to W. D. Fox (1855)

whether Tacitus' statement32 about the late age at sexual maturity among the its origins are, of course, less promising. It is probably too late now to determine should turn out to go back before the Middle Ages, the prospects for discovering who is not a historian. If the characteristically late 'European' age at marriage plenty of materials for answering such questions—or so it would seem to one about the period, and indeed about the Middle Ages, that there ought to be changes caused the new pattern of marriage to emerge? So much is known did the process begin and by what steps did it spread? What social or economic in marriage habits over much of Europe between 1400 and 1650? If so, where Was there, as the scanty statistical evidence suggests, a fundamental change

purennum remus, coque inscentur. It is tempting for one who has to rely on a dictionary and Latin learnt long ago to translate: The love life of young men begins late; and so their strength in young manhood is not drained away. Nor are the girls rushed (into marriage?). Their life in youth is the same, their stature is similar. They are mated when equal (in age?) and strong. It he phrases supplied in brackets, which are crucial, are suggested by Lewis and Short's Latin Dictionary under festine and 'par' (in the former case with particular reference to this passage). This is clearly the meaning accepted by those, like Westermarck, who view the passage as evidence for late marriage among the Germans. However, it is possible, and very much in accord with the general tenor of his remarks, that Tacitus did not intend to say anything about age at puberty or at marriage, but was merely praising the Germans for their modesty before marriage (in contrast with the Romans). The translator of the Loeb edition seems to take the passage in this sense. 32 The relevant passage (Germania, section 20) reads as follows (in the Loeb edition): 'sera

> how he could have had any sound information on such a topic,33 Germans had any basis in fact or even exactly what he meant. It is hard to see

the Jews of Talmudic times married young. Middle Ages, to the doctrine that a man should have a living before he marries. evidence are risky can be illustrated from discussions of the age at marriage then plant a vineyard and after that marry'. Het it can hardly be doubted that for example, a statement in the Talmud that 'a man should first build a house, Thus Russell has pointed, in support of his view that people married late in the But such doctrines can be found in the literature of other civilizations. There is, The proposition that arguments about statistical matters from literary

pattern women marry late by Indian standards, but very early by European like 'late marriage'. In many societies with a distinctly non-European marriage One difficulty with literary evidence is, of course, the vagueness of terms

a process of retardation set in throughout Europe. It is possible that changing at marriage occurred some time around the sixteenth century. material reviewed by Backman may well yield evidence that a change in age social changes related to later marriage. On either interpretation the type of as likely also that we have here the accompaniment in legal thought of the majority after 1500 reflected physiological changes. However, it seems at least opinion concerning the age at puberty and changing definitions of legal had been constant since classical times at around 14 years, but that about 1500 work of Backman (1948). He briefly reviewed the references, mainly in legal statistical might well turn up. An interesting possibility is suggested by the literature, to the age of puberty, and concluded that the average age at menarche If they were looked for, promising lines of evidence which are not directly

century over almost exactly the area where the European marriage pattern is properly organized registration of marriages spread during the sixteenth clearly arise at a time of change towards later marriage. It is striking that the themes (the voluntary agreement of the spouses, parental consent) might been in one aspect an attempt to adapt theology to social change? Some of the about the nature of marriage at the Reformation. Could the controversy have later known to have prevailed.35 legal age) are of interest in this connexion. A related matter is the controversy Clearly changes in the laws relating to marriage (including the minimum

poll-tax data for one small area (the 'wapentake' of Claro in Yorkshire). He vided by Inman (Domesday and Fendal Statistics, p. 120) who studied the 1379 distorted by general historical preconceptions. An interesting example is proing significant omissions from the tax lists.) England. He concluded that the data must be at fault and the unmarried must found that the percentage married was much higher than in nineteenth-century have been especially prone to escape taxation. (He had other reasons for suspect-The interpretation of statistics in the matter of marriage has sometimes been

Preconceptions drawn from the modern world have also influenced Homans

³³ His statement on sexual behaviour among Jews (Histories, V, 5) does not strengthen one's confidence in the soundness of his information on such matters.

34 Babylonian Talmud, Tractate Sotah 44a (quoted in A. Cohen, Everyman's Talmud (London, 35 See Mols, Vol. 1, pp. 76-84.

at first marriage would have been above 24.36 In fact, of course, as Homans rule was observed that a man could marry only after he acquired land, Homans of a relative is very hard to grasp for those living in modern Western societies. 38 frequency with which in former days men's lives were disrupted by the death mortality of pre-industrial Europe, or other underdeveloped societies. The analogy of modern Ireland³⁷ is misleading among other reasons because of its the father turned over the land to them. Other aspects of Homans' argument documents in detail many were married during their father's life-time when their father's death, there is no reason to think that the average age of all men died or gave up his holding, he would be likely to marry rather late in life inters that the age at marriage was high. 'If a man had to wait until his father most thorough study of marriage in a medieval rural population. Because the work on English Villages in the Thirteenth Century which seems to be by far the far lower death rates. When Homans wrote little was known in detail about the for a high age at marriage are vulnerable on similar grounds; for example the If they all married on their 17th birthday and the remainder immediately after England may have lost their father before they reached their 17th birthday. the conclusion does not follow. Over half the children in thirteenth-century (p. 158). Under conditions of high mortality such as existed in the Middle Ages,

surplus he found was due to excess male mortality which he attributes mainly than in smaller towns. Bücher ignores migration; he believes that the female that the female surplus then (as in more modern times) was larger in these cities of extensive regions (Nuremberg, Frankfurt, Basle). There is reason to believe to wars and debauchery. that the population of such centres was heavily recruited by immigration and but because Bücher's data refer only to some of the largest commercial centres the problems of women, and in particular of single women, in his own day not only because all towns were atypical in an overwhelmingly rural population, where indeed there was a substantial surplus of women. These cases are atypical were similar to those of medieval times. All his evidence relates to a few cities —originally a lecture delivered in 1882—was expressly based on the belief that Bücher's little monograph on the position of women in the Middle Ages

she would have made her categorical statement that it must not be imagined that marriage was the lot of every woman and that the Middle Ages were not hint at additional evidence not derived from Bücher, and, moreover, evidence as familiar as our own day with the independent spinster'. She does, however, Ages (1926) draws on Bücher. It is impossible to say whether without his work Eileen Power's essay on women in the volume on The Legacy of the Middle

state of affairs. expect the reader to feel that a high proportion of spinsters is not an unlikely unmarried.' However, she does not present her material in detail; she seems to women villeins and cotters living upon their little holdings and rendering the relating to the rural population: 'A glance at any manorial "extent" will show same services as men; some of these are widows, but many of them are obviously

existed in the seventeenth century, when did they break down? Was the able situation existed in the seventeenth century, how did it originate? The eighteenth century, with a pattern of late marriage, preceded by a different teenth-century England. If the mechanisms for performing this feat no longer worse conditions of transport between human settlements than those of sevenout history have achieved nearly universal marriage at young ages with far prevented from marrying to find partners. But most human societies throughmunication made it possible for people who would otherwise have been must have increased in the early eighteenth century because improved com-Professor Ashton (English Economic History, p. 9) has argued that marriage rates and, preferably, by some knowledge of how they function. For example, by an awareness of the almost universal prevalence of other marriage patterns, dered plausible by his type of a priori argument. hypothesis formulated by Professor Ashton is conceivable, but it is not rendeparts even more radically from the norm of other societies? If such a remarkpattern of even later marriage in the seventeenth century39—a pattern which The interpretation of the history of European marriage should be informed

The age-sex composition of the population

(to die). When the baby is born, if it is a boy, let it live; if it is a girl, expose it

From a letter dated 1 B.C. written by Hilarion to Alis (presumably his wife)

simpler questions raised by a statistical approach seem not to be available. family, little of it has started from the statistical end. Answers to some of the Though there is an enormous volume of literature on marriage and the

communities, such as villages of a few hundred people between which movea comparative study of the various mechanisms by which marriage partners marry? There are several questions here; one question would be answered by marry. How was it possible to find a partner for every girl? or conventions (e.g. of class) restricting the circle of those whom it is proper to ment was difficult and often hazardous. The number of potential marriage were found. The vast majority of human beings have always lived in small partners must have been small and often diminished by rules (e.g. those of caste) How has it been possible, in most societies, to arrange for every woman to

The mechanisms by which this can be achieved must operate in very

article contrasting a typical life-cycle under conditions of high mortality with those of present-day 36 These guesses are broadly in agreement with the calculations given by Fourastie (1959) in an

Europe.

It is a mistake to treat modern Ireland as a stable and closed society. So far as marriage is concerned, its unique pattern of very late marriage and frequent cellbacy for those who remain in Ireland was developed only in the latter part of the nineteenth century. This pattern is accompanied by a very high rate of emigration. The natural inference is that many of those who want to marry carly emigrate and marry abroad (hardly a possibility in medieval England).

The striking calculations of Jean Fourastic (1959) referred to above showing for example and the striking calculations of Jean Fourastic (1959) referred to above showing for example

men lost their wives should encourage others to construct models of this sort, so that eventually a firmly based body of results may be available. Facts on these matters should sink deeply into the consciousness of anyone concerned with the study of the Middle Ages.

[†] Selections from the Greek papyri, edited by George Milligan (Cambridge 1927), p. 33.

39 R. H. Tawney (The Agrarian Problem in the Sixteenth Century, pp. 104-6) made a suggestion which tends in the opposite direction. He thought that there may have been a trend to late marriage who had no incentive to postpone marriage. movement towards earlier marriage. There was an increase in numbers of the landless proletarian between 1377 and 1500, while in the sixteenth and seventeenth century there may have been

his son (see Genesis, Chapter 24). comes feasible to undertake lengthy journeys to trace a suitable partner, as who have never met, the circle of potential spouses is greatly widened. It beopposite sex. If, by contrast, it is possible to arrange a marriage between people opportunities to become acquainted only with a few young persons of the when Abraham sent his servant to travel to a distant country to find a wife for render the finding of a marriage partner very difficult since people often have only after the future spouses have got to know each other well. This may majority of societies is the conviction that marriage should be decided upon a relevant factor which distinguishes modern Western populations from the European Jewish communities are an example, see Katz, (1959)). No doubt would be of great interest. (The professional marriage brokers of Eastern able? Comparative studies of the various devices by which this need is met is, what is done in difficult cases where no suitable match for a girl seems availdifferent ways in different societies. For our purposes, the most relevant question

and genetic structure of human populations. intermarry. They thus have an important effect both on the social organization across larger areas than would be necessary if all those living in one place could tions do mean, however, that a network of kinship relationships is maintained therefore, do not have the effect of keeping women unmarried; such restricfor a given person in the village where he lives, operate also to designate the people among whom a partner may be sought elsewhere. These restrictions, The restrictions (e.g. of caste), which limit the number of potential spouses

one seems to have discussed the problem. riagcable age. How were partners found for the rest? The answer again, must wives. Elsewhere they may constitute the bulk of those who never marry. No vary widely. In polygamous societies such women can become secondary added to their numbers. On the other hand, many of those who were born with handicaps or acquired them when young probably died before reaching marplaces, the scars left by malnutrition, disease and ignorant treatment must have in modern Western societies probably one or two per cent in this condition which seriously affect a person's chances of marriage is hard to draw, there are or mental disease or deformity. Though the line between slight defects and those (blind, deaf, spastic, epileptic, mentally defective, etc.). In other times and women marry, is the fate of girls who are seriously handicapped by physical A particular puzzle raised by those societies where almost 100 per cent of

to have every woman married? A tempting answer to this question is resulting spinsters as a normal condition occasionally aggravated by war. Wars women? In Europe, it has been customary to think of a 'female surplus' and the particular people. How can the overall account be balanced, if there are surplus have not been unknown in other societies.⁴⁰ How did they find enough men We have so far discussed the methods by which spouses may be found for poly-

gamy'. But it is probably not an important factor in many societies which permit the practice; for it is often on too small a scale.

cerned, there is a shortage of women. The 'surplus women' are mainly widows with the number of men over 15. Yet so far as availability for marriage is conpresent time, there is an excess of over 13 million women over 13 compared population, though frequently mentioned in this context, is not very relevant. Nor is the ratio of adult men to adult women. For example in England at the The ratio of the total number of men to the total number of women in the

countries there seems not infrequently to be a shortage of women. A famous is that women have been underenumerated at censuses to a greater degree example is India. One theory (put forward, for example, by Coale and Hoover) countries there was a considerable female surplus. By contrast, in non-Western by the marriageable ages, but to create a female surplus. In the Scandinavian males dying was probably sufficient, not only to produce equality of the sexes heavier than female mortality and in eighteenth-century Europe the excess of at birth, some 105 male births for every 100 female births. Male mortality is many non-Western populations. There is, of course, always an excess of boys this ratio was much less favourable to women's chances of marriage than in the prime marriageable ages. It is probable that in eighteenth-century Europe The first point to consider then is the ratio of male to female population at

of female mortality in childhood and at young adult ages is not infrequently and two world-wide comparative surveys of mortality (by Stolnitz and by the death rates in underdeveloped countries has become available in recent decades data appear to have been of good quality. 11 Moreover, a good deal of data on also in the data for Formosa at the beginning of the twentieth century and these taken the view that the excess of men is genuine and can be explained by sup-United Nations Secretariat) have shown that where mortality is high, an excess the excess of men in the population and the excess of female mortality is found tions of the excess of men observed in several Chinese populations. However, to be lower than that of girls. There have been similarly divergent interpretaposing that preferential treatment given to boys causes the death rate of boys Other commentators on the figures (e.g. Jain, 1954, p. 26) have, however

male mortality seems to derive mainly from the statistics of Northern and impression of a considerable surplus of women in the population and a higher at marriageable ages. There are traces of the same tendencies in the data for parents in the eighteenth century abandoned girls more often than boys to most a slight excess, was perhaps typical all over Europe. Laplace found that lations there has been an excess of female mortality and a shortage of women Western Europe. In the Middle Ages and earlier a shortage of women, or at Southern and Eastern Europe for the nineteenth century and beyond. The We may, therefore, accept it as probable that in many non-Western popu-

[&]quot;An interesting study might, perhaps, be made of the way in which societies which take the universal marriage of women for granted deal with a grave shortage of men due to war losses. In ancient Athens, after the disastrous Sicilian expedition in 413 B.C., a law was passed permitting double marriage. Among those who availed themselves of it was Socrates who took a second wife, a destinute widow, in addition to the notorious Xanthippe. (See Alfred Zimmern, The Greek Commonwealth, fifth edition, Oxford, Clarendon Press 1931, p. 340.)

⁴¹ See papers by Tacuber and Tacuber (1959) and Tacuber (1961),
42 This phenomenon is separate from the question of high maternal mortality. The effects of the latter have been widely exaggerated.

at work on a larger scale in earlier times. the Foundling Hospital in Paris. The preference for boys may well have been

only that everything in nature was harmoniously co-ordinated in accordance not new, but often overlooked. Two hundred years ago, Süssmilch (Vol. II is possible for every woman to get married at least once in her life even in a with a Divine plan, but also showed that the Christian principle of monogamy celled the excess of boys born and resulted in an equality of the sexes by around issue was theological. The view that the excess of male mortality neatly canp. 281) called the tendency to remarriage polygamia successiva. For him the In this respect the remarriage of widowers works like polygamy. The point is spouse is young, and if widowers remarry far more frequently than widows, it their lives. For single women need not marry single men; they can marry sated for the surplus of women. for monogamy, since the tendency for widowers to marry spinsters compenthere was nevertheless harmony in the Divine plan which included provision dilemma 'polygamia successiva' came to the rescue. Süssmilch could argue that births, i.e. that by age 20 there were more women than men living. In this those of females under 20 by a greater margin than the excess of boys among to him from several parts of Europe, the deaths of males under 20 exceeded practice of polygamy. Süssmilch discovered, however, that in the data available was in accordance with the intentions of the Creator and superior to the heathen age 20 had been an important doctrine of 'physicotheology'. It illustrated not population where the number of men falls far short of the number of women. widowers. If many marriages are dissolved by death while the surviving mine the numbers of men and women who can be married in the course of The ratio of men to women at marriageable ages does not, by itself, deter-

circumstances. The history of Formosa described by Barclay provides a striking degree of successive polygamy can be rapidly varied in response to changing cent more women marrying for the first time than men. (See Table 12.) The In eighteenth-century Europe, there were probably often between 5 and 10 per combine different sex compositions of the population with universal marriage. The degree of successive polygamy is variable and makes it possible to

Effect of remarriage in compensating for imbalance in numbers of men and women

TABLE 12

| Country and date | Per cent fir among m Men | Per cent first marriages among marriages of Men Women | Excess of women marrying (per 100 marriages) |
|------------------------------|--------------------------------|---|--|
| Pomerania (Germany): 1748-54 | 79 | ** | +5 |
| Sweden: 1750-1800 | 81 | 87 | +6 |
| France (Crulai): 1674-1742 | 81 | 91 | +10 |
| Formosa: 1906 | 72 | 40 | - 00 |
| 1910 | 75 | 69 | 1 4 |
| 1920 | 78 | 75 | I 33 |
| 1935 | 89 | 89 | 0 |
| 1943 | 8 | 92 | + 2 |

Sources: Süssmilch, Vol. I, p. 183; Gille, p. 29; Gautier and Henry, p. 83; Barclay, p. 225.

and divorce, the situation came to resemble European conditions more closely, and the proportion of remarriages was reduced owing to a decline in widowhood among women than men. As the sex ratio in the population became normalized sated for by female successive polygamy, i.e. remarriage was more frequent women in the same age group. This shortage of women was in part compennumber of men aged 10-49 was about 20 per cent greater than the number of example of the magnitude of this effect. At the beginning of the century the

circumstances, the proportion of girls marrying is higher, because the men grooms would be further reduced, compared with our initial assumption, men married at 30 (while women continue to marry at 20) the supply of bridewho die between 20 and 25 are now available for marriage. If on the other hand men. (iii) The number of births is roughly constant from year to year. Under some hypothetical simplified examples. We first make three assumptions. grooms at marriage. The point is most easily understood by a consideration of deaths between 25 and 30. married to men aged 20 (everything else remaining the same). Under these that the available number of men is diminished by death between 20 and 25. these conditions the proportion of women married will be reduced by the fact marriage is also affected by the difference between the ages of brides and bride-Suppose that the system were to be changed and girls aged 20 were to be but the proportion of women who marry is determined by the availability of (i) All brides are married at 20 to grooms aged 25. (ii) Men marry in any case, The relationship between the numbers of each sex and their chances of

ages at marriage of men and women in a population of high mortality with an aged 25 they marry men born five years before their own date of birth. But number of births is increasing from year to year. If women aged 20 marry men numbers of each sex. The effect of differences in marriage age is even greater increasing number of births tends greatly to reduce women's chances of year to year) does not hold. Suppose that the population is increasing, i.e. the if we suppose that assumption (iii) above (namely that births are constant from men and of women may compensate for variation in the balance between the five years earlier fewer births were occurring. A large difference between the It is thus seen that changes in the difference between the ages at marriage of

because, other things being equal, a great excess reduces the chances of women at marriage. Yet it is in Europe that the percentage of women remaining single has been highest. The solution of the paradox is that among non-Europeans the great excess of the male over the female age at marriage is counterbalanced by other factors, notably a greater degree of polygamy (successive or simultaneous). In fact a high frequency of (simultaneous) polygamy is possible usually only in a society where young men remain unmarried for a comparatively long period and then marry wives much younger than themselves. In such a system where almost all the women over 16, but only somewhat the property of the property Indeed, by varying the relationship between the ages at marriage of the sexes, the rates of first marriage and remarriage etc. one could construct imaginary marriage patterns which are very strange to Western ideas, but in which most or all women are married and hence adequate reprobeen overlooked in discussions of the relation between polygamy and the sex ratio. It was apparently first explained by Somnabend in his demographic study of the Bantu (on pp. 171-3). He claimed that the Zulu have a clearer idea (although a purely intuitive one) of the relationship between the older men, are married, a high percentage of married men can have two or more wives. (It is not necessary to suppose that men have been declinated by war, etc.) This fairly simple point has usually (only 2 or 3 years) of the mean ages of men at first marriage over those of women. This is surprising ages at marriage of the two sexes and the frequency of polygamy than certain European authors' 43 A remarkable feature of European marriage data is that there is often a relatively small excess

control. (France and Ireland have exceptional marriage histories and some of as part of the same set of changes which brought about the spread of birth this paragraph does not apply to them.) an initial response to the feeling that population growth needed to be restrained. half of the nineteenth century, a decline which has sometimes been regarded as a decline in the marriage rates of men, as well as those of women, in the latter century was a predominantly male affair. Finally in many countries there was was explained in the previous paragraph. Thirdly, emigration in the nineteenth of marriage by increasing the rate of population growth. The effect of this much of Europe. The decline in death rates indirectly reduced women's chances all marriages were contracted by widowers, as against 19 per cent in 1750-1800. successive polygamy. For example, in Sweden by 1901-10, only 10 per cent of decline in death rates reduced the number of widowers and hence the scope for ability of men for marriage when compared with the number of women. The probably combined over much of north-western Europe to reduce the avail-This type of decline from about 20 to about 10 per cent is probably typical of From the beginning of the eighteenth century onwards a number of forces

As a result of these developments, the proportion of women never marrying rose to levels probably unprecedented in much of north-western Europe by the end of the nineteenth century. The effect was temporarily reinforced by the First World War. However, since 1920 the situation has been completely transformed and the 'surplus of marriageable women' which had come to be regarded as a permanent condition has given place to a shortage of women.

Conclusion

The main theme of this paper is not new. It is one of the main topics of Malthus' Essay and indeed implicit in its very structure (especially in the revised version of the second edition). Malthus devoted Book I of his Essay to 'the checks to population in the less civilized parts of the world and in past times', and Book II to 'the different states of modern Europe'. In Europe he traces again and again the workings of the 'preventive checks of moral restraint' which implies 'principally delay of the marriage union' and he contrasts the condition of Europe with that of the peoples described in Book I.

Was Malthus right in thinking that late marriage in Europe resulted in lower birth rates, and hence lower death rates, than obtained among non-European populations? Whatever the nature of the causal connexion, his notions about the levels of birth and death rates gain some support from modern research. European birth rates, so far as we can tell, were rarely over 38 before the spread of birth control; in underdeveloped countries, they are almost always over 40 and often over 45. So far as mortality is concerned, the contrast is less clear cut, but there seems no record in European experience

duction would be possible. For example, one might work out systems in which old men marry young women and young men old women. Something of this sort seems to have been practised among the Tiwi of North Australia, according to a fastmating recent study by Hart and Pilling. Among the Tiwi, these authors maintain, every woman is married (or betrothed) from birth till death. She is betrothed at birth to a man old enough to purchase her; he will thus be at least 40 years old by the time she is old enough to cohabit with him. But young men can marry old women; one possibility, they say, is for A to obtain B's mother to be his wife by giving his (i.e. A's) mother to be B's wife.

since the eighteenth century of conditions such as those in India or Formosa in the initial decades of the twentieth century.

The way in which a non-European marriage pattern goes with non-European birth and death rates may be illustrated by a recent study by Csoscán of the parish registers for three Hungarian villages in the eighteenth century. This population is not in 'Europe' as defined for this paper. The distribution of marriages by age of bride in 1770-1800 was quite definitely 'non-European', as the following figures show:

| Total | 40 and over | 30-39 | 25-29 | 20-24 | Under 20 | Age group | |
|-------|-------------|-------|-------|-------|----------|-------------|----------------------------|
| 100 | 12 | 15 | 14 | 48 | п | Bridegrooms | Per cent distribution** of |
| 100 | s | 9 | 9 | 25 | Ş2 | Brides | ution** of |

In the same period (1770-1800) the crude birth rate in these Hungarian villages was 52 per 1,000 and the death rate was 43 per 1,000. This may be compared, for example, with the following figures for the French village of Crulai given in the study by Gautier and Henry:

| 1750-89 | 1675-1749 | Period |
|---------|-----------|------------|
| 16 | 36 | Birth rate |
| 28 | 31 | Death rate |

The marriage data for Crulai which have been mentioned several times are, of course, quite clearly 'European'. The eighteenth-century Hungarian villages are thus non-European in all three respects (age at marriage, birth rate, death rate) in contrast with the European levels of Crulai's vital rates, as well as its marriage pattern.

There was a widespread conviction among eighteenth-century authors that European conditions were fundamentally different not only in marriage, birth and death rates, but above all in standards of living, from those obtaining elsewhere in the world. Europeans, a large proportion of them, not just the rich, had better housing, better clothing, a greater variety of food, more furniture and utensils, than people elsewhere. This uniqueness of Europe, so evident to contemporaries, has been largely ignored in recent discussions of economic development; all that is pre-industrial, including eighteenth-century Europe, is often lumped together in generalizations about 'agricultural' or 'peasant' or 'underdeveloped' societies.

Presumably the uniqueness of Europe in standards of living and in death rates did not extend back beyond the seventeenth century (except in limited regions). But if European death rates were as high as in other parts of the world, could birth rates have been lower? And if the European birth rate before the seventeenth century was as high as elsewhere, does this not imply that European women must have married young as in other populations of high fertility?

⁴⁴ These percentages are based on 440 cases for men and 442 for women. The number of marriages in which the age was not recorded was, surprisingly for this period, very small. The figures are from page 106 of Csoscán's paper. Remarriages are included and they form a high proportion of the total.

nearly as obvious as is often supposed and it is not independent of mortality. rates. Even the relation between marriage patterns and crude birth rates is not careful calculations on the interrelationships between marriage, birth and death These large and vague questions need to be broken up and investigated by

such topics as the rise of capitalism and the protestant ethic. as a whole. The emotional content of marriage, the relation between the couple marriage pattern is tied in very intimately with the performance of the economy unit of economic production as well as consumption, all this means that the children. The arrangements current in a society for achieving this must fit in of the background of European marriage patterns would probably lead into in histories which trace the emergence of modern Europe. A full explanation things are perhaps obvious, but they have not been much explored, at least not usually a girl of 16 and one in which she is typically a woman of 24. These all this and many other things cannot be the same in a society where a bride is and other relatives, the methods of choosing or allocating marriage partnersdepend on the marriage pattern. In societies where the household is the principal rate of formation of new households and disappearance of old ones, therefore, or form independent households. The structure and size of households and the with the marriage pattern: they will shape it and will be in turn influenced by quires the establishment of an economic basis for the life of the couple and their births and deaths. There are other links. A marriage almost by definition reis so not only because of the connexions just discussed between marriages and evitably take one into fundamental issues of economic and social history. This Unmarried men and women must be attached to households in some way, An inquiry into the origins of the European marriage pattern will in-

casy. These savings (e.g. by means of the accumulation of household goods in explored. In the European pattern a person would usually have some years of tion growth, has already been mentioned but other possible effects need to be economic system. The traditional argument, that late marriage retarded populachildren is established. It is equally true that the marriage pattern influences the population at subsistence level.45 Could this effect, which was uniquely Euromarriage may be similar to income inequality in stimulating the diversion of preparation of marriage) might add substantially to the demand for goods other without responsibility for children; a period during which saving would be larger than outside Europe. It is a period of maximum productive capacity adult life before marriage; for women especially this period would be much ments by which the economic basis for the support of a couple and their pean, help to explain how the ground-work was laid for the uniquely European larger than that which can be caused by a small class of wealthy families in a marriage is the norm the total volume of demand generated might be much resources to ends other than those of minimum subsistence; but when later than the food etc. required for immediate survival. In this respect delayed take-off into modern economic growth? The economic system influences the marriage pattern through the arrange-

young; they have to wait until they have a livelihood, a farmer till he acquires marriage. More simply, men marry late because they cannot 'afford' to marry standard varying with the social position of the individual) as a prerequisite of people married late because they insisted on a certain standard of living It was suggested in the eighteenth century (for example by Cantillon) that land, an apprentice till he finishes his apprenticeship and so on. If late marriage brings about wealth, wealth may equally cause late marriage.

a decline in mortality over the relevant period is a dubious point (the decline which may have helped to bring about the European marriage pattern, if it single heir would result in a European pattern. If this reasoning has substance, holds as in Eastern Europe might thus be conducive to a non-European marriage often felt to be an economic asset. A system of large estates with large houseespecially convincing if the larger economic unit is such that extra labour is not require such a long postponement of marriage. This line of argument scems unit, such as a joint family. 46 This, presumably, is more easily achieved and does in other societies the young couple could be incorporated in a larger economic until he could establish an independent livelihood adequate to support a family; marriage pattern. In Europe it has been necessary for a man to defer marriage certainly a hypothesis that merits study. m question must have occurred before the eighteenth century); but this death rates would tend to raise the age at marriage. Whether there was, in fact, did not exist in the Middle Ages. If men had to wait till land became available, describing the type of family organization in which land descends to a single the uniqueness of the European marriage pattern must be ascribed to the pattern, while small holdings occupied by a single family and passed on to a presumably a delay in the death of the holders of land resulting from declining heir, the other sons going elsewhere.) This explanation calls attention to a force European 'stem-family'. " (The term 'stem-family' was coined by Le Play in It is tempting to see in this feature a key to the uniqueness of the European

children were very young; interim arrangements had to be made till the son was old enough to take over. Even if the father survived to old age, it does not the mortality conditions of the Middle Ages fathers often died while their for the tounding of a new family is, however, rather an indirect one. Under The connexion between the death of the holder of land and its availability

⁴³ The mere presence in the labour force of a large number of adult women not involved in child-bearing or -rearing must have been a considerable advantage to the eighteenth-century European economies

⁴⁶ The young Duc de la Rochefoucauld whose remarks on his visit to England were quoted earlier (p. 115), makes a similar point: Perhaps another reason for this (i.e. late marriage in England) is because it is usual to set up house immediately after marriage. The young couple never stay with their expenditure. their parents and they must be sensible enough to avoid extravagance both in their conduct and in

⁴⁷ The extent to which generalizations can justifiably be made about the family system in parts of Europe at particular times (let alone about the whole of Europe or all non-European societies) is totally beyond my competence. There have been large estates and joint families in some regions of Western Europe in the Middle Ages and beyond. Presuntably it would be possible to have a system in which eath couple is in principle an independent economic unit, but in which eathy marriage is made possible by arrangements to provide for the couple until they achieve complete independence. The study by Katz (1959) mentions such arrangements among Jews in Eastern Europe. Arrangements of a related kind in medieval England which are described by Homans are referred. to below. Joint families can perhaps be regarded as fulfilling the function of such transitional arrangements. In countries where in theory joint families prevail the average size of household is not large. Households consisting of several nuclear families may not remain long in this condition, but this arrangement makes it possible for young couples to be part of a larger unit at the beginning of matriage for some years.

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and wife), rather than in a high age at marriage for men. of worsen (often with a relatively small difference between the age of husband uniqueness of the European pattern lies primarily in the high age at marriage still need to be explained how women's age at marriage was effected. The a rule that a man must have a livelihood before marrying would operate to not so much by death as by social arrangements. It is not at all clear a priori how produce just such a postponement as is in fact observed. Even if we understood became available for the founding of new families may have been controlled effect on the frequency of marriage and age of marriage of a rule that a man how the age at marriage of men was determined at a given period it would the various arrangements by which land was passed on. The rate at which land must acquire land before marrying we should have to know the frequency of transferred his holding to someone other than his son, etc. To understand the lived, turned over his holding to be shared between two sons, where a man the latter to get married. He also mentions instances where a father, while he where a father made over the land to his son while he lived, thus permitting Homans in his book on thirteenth-century England describes many instances follow that a young family could not be set up on the holding until he died

There is no space for further speculation on the causes or consequences of the European marriage pattern. The primary concern of this account has been the mere existence of the pattern. This aspect should be kept distinct from the search for explanations. It has been shown (1) that the distinctively European pattern can be traced back with fair confidence as far as the seventeenth century in the general population; (2) that its origins lie somewhere about the sixteenth century in several of the special upper class groups available for study and in none of these groups was the pattern European before the sixteenth century; (3) the little fragmentary evidence which exists for the Middle Ages suggests a non-European pattern, as do scraps of information for the ancient world.

is discussed once or twice in the present paper, particularly with reference to are posed (like the distinction between European and non-European marriage clusions about the demography of large groups. The terms in which questions misleading because they do not relate to a closed population? (This last defect form a part (aside from sample fluctuations)? Are data likely to be systematically ticular groups likely to deviate from those of larger populations of which they clusions from such data to larger units justified? How far are statistics of pardata often relate to small groups such as one village. To what extent are conpatterns) are based on modern statistics for whole countries; but the historical is a basic problem of much of historical demography. We wish to draw consome of them could only be looked at superficially. Even if individual pieces of information have been soundly interpreted, there remains the problem how likely to make mistakes. In an effort to survey so great a variety of materials, remote periods of whose historical background one is ignorant, one is very far generalizations can properly be based on isolated demographic facts. This dealing with sources of a type of which one has no experience coming from Some at least of the data presented have probably been mis-interpreted. In

In spite of these and other difficulties, there seem to be good prospects of

obtaining substantial further information on the origins and spread of the European marriage pattern. The distinction between European and non-European matriage pattern. The distinction between European and non-European patterns is substantial so that no very refined measuring instrument is required for its detection. There is probably a good deal of material for the seventeenth and even the sixteenth century. The parish registers offer a large mine of information waiting to be exploited. If it were indeed to prove the case that in the Middle Ages the marriage pattern of Europe was entirely 'non-European', traces of the transition should be visible in some of the early parish register materials. Even for the Middle Ages there seems hope that various types of records (for example manorial extents⁴⁸) if carefully handled may yield useful information. If the recent rate of output of studies in historical statistics is maintained, and if those who engage in such work keep their eyes open for information on marriage, the mystery of the origins of European marriage patterns may be cleared up.

APPENDIZ

The evidence from data on marital status in the eighteenth century

In the Scandinavian countries, the regular modern series of censuses began in the eighteenth century. The percentages single are easily accessible (see Gille (1949) and Hajnal (1953)) and have been described in the text. They clearly show a 'European' pattern as far as age at marriage is concerned.

For other parts of Europe the results of a number of isolated enumerations giving some information on the composition of the population by marital status have been preserved from the eighteenth century. We do not, in most cases, have the full cross-classification of age and marital status which was utilized in the preparation of Tables 1-4. Usually we have only the distribution by marital status of the whole adult population, without further subdivisions by age. An additional deficiency in some cases is the inclusion of widowed persons with the single population; this means that the effects of widowhood and remarriage are to some extent confounded with the frequency of first marriage. We first discuss data of this kind.

In Denmark some enumerations were undertaken in the seventeenth century for tax purposes. Mackeprang found the original lists from 1645 for the island of Moen (except for one parish) and published an analysis of them in 1907. In a total population of 4,014 in 5 rural parishes 39 per cent of men and 41 per cent of women over 15 were unmarried (i.e. single or widowed). These percentages seem intermediate between European' and non-European' levels. Mackeprang compared his figures with the data collected for the same area at the censuses of 1769 and 1901. The percentages for the population over 15 (both sexes combined) were as follows in the 5 rural parishes.

| 1901 | 1769 | 1645 | |
|------------|------|------------|-----------|
| \$\$ | 65 | 8 | Married |
| 4 5 | 35 | 4 0 | Unmarried |

The figure for 1769 seems 'non-European', in so far as one can tell without separation of the single from the widowed. This figure may be misleading. The census of 1769 was very defective; the clergy who conducted the enumeration were required only to draw

⁴⁸ The recent study by Hallam (Economic History Review, Vol. X), which came to my attention after this paper was written, suggests that promising material may be awaiting analysis.

ably in respect of the percentage married from the national average than in 1901? mark; in 1901 it was the same. Did rural Moen in 1769 differ very much more consider-In 1781 the percentage married among those 15 and over was 53 for the whole of Denpopulation by marital status according to the 1769 census does not seem to be available up summary tables, not lists naming each individual. The total distribution of the Danish

suggests the European pattern (represented here by Great Britain): enumeration for which marital status data are preserved. The returns of the census were the proportion of non-martied persons (i.e. single and widowed taken together) strongly there were no married persons under 20 in most provinces. For the age group 20-39 long believed lost, but were rediscovered by Peller (1920). If his figures are trustworthy, Some cross-classification by age is, however, available. This census covered a population over 61 millions and thus seems before the nineteenth century by far the largest In the Austrian census of 1754, the single and widowed were also grouped together

| ļ. | | |
|----|-------|--------------|
| | | Per |
| | | Per cent |
| | | t single |
| | | or u |
| | Men | vidowed in . |
| | | аде дгоир |
| | Women | 20-39 |

| Биlgaria 1900 | Great Britain 1851 | Austria 1754 | • |
|---------------|--------------------|--------------|-------|
| 28 | 48 | 41 | Men |
| 11 | 45 | 38 | Women |

to compile data showing no one under 20 as married is highly significant. marital status? In the present context the mere fact that it was possible for contemporaries was married? Or perhaps the ascertainment of age was not completely independent of areas, could be useful. Is it credible that in most of Austria not one woman under 20 A detailed study of Peller's data, comparing them with later materials for the same

derived and those for 1801 which he gives elsewhere (pp. 37-46). of competence, but the figure quoted seems suspicious not only on general grounds, but to be believed, there were in 1789 only 7,132 married persons under 30. This number is dans ce pays, audessous de 30 ans' (p. 25). His statistical work gives a general impression only 8 per cent of the population aged 20-29. He concludes: 'Donc on se marie rarement because there seems to be a discrepancy between the marital status data from which it is administration. He was specifically interested in the age at marriage. If his figures are materials for 1789 which he quotes were presumably collected under the Austrian published by Paul Deprez. 49 Faipoult was a French administrator, but the statistical in Faipoule's Mémoire Statistique of 1804-5, a modern edition of which has recently been ing analyses relating to a part of Belgium (now known as East Flanders) are contained the Hungarian enumerations of 1784 (see the volume edited by Kovasics). Very interestend of the eighteenth century might yield valuable information on marital status, e.g. The enumerations carried out in various parts of the Austrian Empire towards the

criterion; in Eastern Europe and in non-European countries well under 20 per cent of women aged 15 or over are single. the population had a marriage pattern of the European type. This is a very cautious or over). If over 30 per cent of women 15 or over are single one may be certain that the only division by age is a distinction between children and adults (say those aged 15 We now turn to data where the single have been separately classified. In most cases

marriage, but because unmarried people migrated to the cities. now, often contained many unmarried people, not because city dwellers refrained from eighteenth century and earlier relate to cities. The composition by marital status of urban populations is often much influenced by migration; European cities in earlier times, as Unfortunately, many of the enumerations which supply marital status data for the

Nevertheless the urban material should be considered. A large volume of data has been The evidence from the enumeration of urban populations is thus difficult to interpret

49 See below, Part III, p. 608

pattern of late marriage and substantial numbers remaining unmarried through life. assembled in the survey by Mols. The eighteenth-century data on the whole suggest a

senting some 13 per cent of the total population of the city. city of Pavia in Italy in 1700. The total population of these parishes was 2,168, repreas 1700. Aleati gives the following figures from an enumeration of three parishes of the detailed cross-classification by age and marital status and because it takes us back as far One set of data published since Mols wrote should be added both because it is a

| Age group Per cent single Total population in age group |
|---|
| 20-24 78 81 |
| Men 25-29 52 106 |
| 40-59 15 205 |
| 20-24 41 111 |
| Women 25-29 27 119 |
| 40-59 11 202 |

of each sex remain single at the end of the marriageable period. The distribution makes an unmistakably 'European' impression. Over 10 per cent

not possibly have been the result of an enumeration in any non-European city. married woman under 20 would be sufficient by itself to show that these figures could under 40. (Did elderly spinsters claim to be under 40?) The fact that there is only one cover 2,861 persons. The percentages single among those over 40 are very low, but high figures have been published from King's manuscripts by Glass (1946 and 1950). date is that derived from an enumeration of Lichfield in 1695 by Gregory King. The The only other detailed tabulation by age and marital status for a city at so early a

comfortably within the European range, but the proportion single among older people consistent. The proportion of single persons in the population at ages under 25 seems King's estimates on sex, age and marital status fit together and they may not be altogether countries by continental writers on statistics. Unfortunately it is not entirely clear how competent to judge, for they were applied in the eighteenth century to their own published in 1699. The estimates of marital status appeared plausible to contemporaries not published till 1802,⁵¹ but the figures were given in an essay which Charles Davenant contained the bulk of the population. King's work embodying these calculations was statistical basis he had for his estimates relating to the 'villages and hamlets' which numbers of bachelors and spinsters as also of husbands, wives, children, servants and seems rather on the low side. Lichfield data and were presumably derived from them. 80 We do not know how much sojourners. His London estimates, which he states separately, are fairly close to the Gregory King also made calculations giving for the whole of Ingland in 1695 the

married. These data call for further investigation. They are quite unlike any data recotded at other times in Iceland or indeed anywhere else, except by obvious misclassificaonly 34 per cent of the men and 39 per cent of the women aged 30-34 are recorded as maintenance of the population in the face of the death rates of that time. For example, and (if unmarried really means celibate) seem scarcely compatible with the permanent marital status data is the census of Iceland taken in 1703. The original records were preproportions recorded as married are staggeringly low even for a European population served in their entirety in the Danish National Archives and rediscovered in 1914. declining population with a low birth rate. tion of the married. The age structure of the Icelandic census of 1703 suggests a rapidly Detailed tabulations were published by the Icelandic Statistical Office in 1960.52 The The earliest enumeration of a complete territory, urban and rural, which provides

⁵⁰ See Glass (1950) for a discussion of the way in which King used his Lichfield materials on age distribution. See below, Part II, p. 183 ff.

⁵¹ The martial status data appear on pages 415-6 of the 1802 edition of Chalmers' Estimate of the comparative strength of Great Britain.

⁵² For earlier and more easily accessible figures from the 1703 census see Gille (1949)

enumeration (and also to study in quite unusual depth the social conditions of a past age) preserved, there is a unique opportunity to discover something of the processes of the census was distorted by substantial errors and vagueness of definition (especially when married son living with them? In view of the circumstances it seems likely that this There were some 2,500 households with a male head over 50; did only 9 of them have a Among relatives of the head marital status might be implied by such descriptions as and paupers and in these categories to persons who lived apart from their spouses? the failure (from our modern point of view) to record marital status confined to servants of widows among the older female servants and paupers seem particularly strange. Was ship to him (e.g. as a servant) would be recorded and not the fact that she was married Over 97 per cent of the women classed as married are the wives of heads of households tabulations published by the Iceland Statistical Office throw some light on the matter. the results are tabulated in modern form). However, since the original records are 'daughter-in-law'. But only two sons-in-law and nine daughters-in-law were reported The vast majority of servants and paupers are classified as single. The very small numbers This certainly suggests that when a married woman was not the head's wife, her relationinformation, i.e. about the nature of the dependence on the head of the household. The tion by marital status in the modern sense; the aim was perhaps rather to get economic separations. The data collected were apparently not really intended to provide classificathe reason why the census was ordered may have caused a large number of temporary into the classes of servants and paupers. Presumably the economic distress which was marital status may not have been given for married people who had separated and passed text) surmise that the number of married people is somewhat understated, because the The Icelandic Statistical Office (according to the English summary of their Icelandic

enumerated the whole population between 20 March and 17 April 1742. A condensed that at his request Pieter Bakker, schoolmaster and precentor of the village, very carefully century is the Dutch village of Warder. The astronomer and statistician Struyck reports⁵³ tabulation of marital status and age (in 5 year groups) is available in the eighteenth version of the data is reproduced in Table 13. Apparently the only rural population (apart from Iceland) for which a full cross

Population of Warder (Netherlands), 1742, by age and marital status

| Age | Single | Men Married | Widowers | Single | Women Married | Widows | Servants from elsewhere |
|-------------|--------|----------------|----------|---------|------------------|--------|-------------------------------|
| Under 20 | 69 | 0 | 0 | 98 | ٥ | ٥ | ٥ |
| 20-24 | 9 | 4 | 0 | 7 | 7 | 0 | 0 |
| 25-29 | w | э. | o | Ŋ | 12 | - | 0 |
| Jo-39 | - | 23 | ٥ | o | 19 | N | 0 |
| 40-59 | - | 29 | ٥ | | 25 | œ | - |
| 60 and over | 0 | 4 | 80 | 0 | w | 7 | 0 |
| Total | 83 | 66 | 14 | 100 | 8 | | 7 |

are far too small for any real conclusion. quite outside any well authenticated non-European experience. However, the numbers single between 20 and 30 are low for the European pattern, but look high enough to be The almost entire absence of single people over 30 is non-European. The proportions

53 Nader Ontdekkingen, p. 13.

data for the eighteenth century and carlier. in the same detail. He gives for 45 villages and towns comprising a total population of 29,562 persons a classification by marital status of those over 10.54 Here, as in the case of Warder, 'domestics' are treated as a separate category—a practice not uncommon in Struyck organized the enumeration of many other communities, but apparently not

all unmarried. Including servants with the single population we obtain the following cent of those over 10 for each sex. Presumably most of them were under 20 and single, as in Warder. Most contemporary and modern authors agree that servants were almost slightly fewer persons single than in Sweden in 1750. percentages, which are definitely 'European'. As will be seen, the Dutch figures show In Struyck's figures for Dutch villages and towns the domestics form about 7 per

| | Мен | | Women | a |
|---------|---------------------|-------------|---------------------|-------------|
| | Dutch Villages 1742 | Sweden 1750 | Dutch Villages 1742 | Sweden 1750 |
| Single | 40.5 | 44.8 | | 42:3 |
| Married | 8-o5 | 8.15 | 48.7 | 44.3 |
| Widowed | 8.7 | 3.3 | 12:1 | 13.4 |
| Total | 0.001 | 99.9 | 0.001 | 100-0 |

results are, however, undoubtedly further from the truth than those given by the earlier and non-European levels (they relate to the population over 10 years of age). These servants, we can compute the percentage single in the remaining population. This gives 36'3 for men and 34'4 for women, figures which seem intermediate between European their treatment.56 If we treat Struyck's figures in the fashion of Moheau and exclude the countries and regions in the number and type of servants employed and the manner of far beyond any reasonable assumption. Presumably there were differences between higher fraction of servants was unmarried than in the general population, seems to go appreciable number were married, though Moheau's procedure, which implies that no times as high a population of servants as in the Dutch data and one may suppose that an order as that of the rest of the population'.55 In the French materials there is several thought that the distribution of domestics by marital status is 'presumably of the same computing the distribution of the population by marital status. He did this because he dubitable. Moheau (1778) in analysing French data omitted servants altogether The assumption that the servants were almost all single is perhaps not entirely in-

each sex the numbers of single, married and widowed (lumped together) and domestics. total populations of their respective regions. He gives for persons aged 15 and over of himself believed the proportions found in the enumerations to be representative of the to some 19,000, 20,000 and 61,000 respectively, mainly in small parishes. Messance tions of small towns and villages in the 'géneralités' of Auvergne, Lyons and Rouen in (Auvergne), 1759 (Lyons) and 1762-3 (Rouen). The populations enumerated amounted France. The enumerations (people were 'comptés tête par tête') took place in 1756 Data somewhat similar to Struyck's are reported by Messance (1766) from enumera-

The percentages single calculated on the two assumptions mentioned work out as

³⁴ Nader Ontdekkingen, p. 87; the figures are also given by Süssmilch (Vol. II, p. 270), ³⁵ See p. 55 of the reprint of Moheau's Recherches, edited by Gonnard. It is convenient to refer to Moheau as the author of the work published in his name. ³⁶ See Chambers, The Vale of Trent, p. 51. See below, Part II, p. 327 f. Mackeprang in his study of the island of Moen in 1645 gives an interesting analysis of the distribution of servants by age and social origin. The servants were all young. He shows that a high proportion of the youth of Moen must have spent some time in service before marriage.

| \ Women | Rouen ∫ Men | Women (Women | Lvont / Men | Women | Anverone Men | | |
|---------|--------------|---------------|-------------|-------|--------------|-----------|--------------------|
| 39 | † | 39 | 39 | 38 | 41 | as single | Treating domestics |
| فا | 32 | 28 | 30 | 31 | 32 | domestics | Excluding |

sance's figures, without acknowledgement.57 Messance, but in less detail, are quoted by Moheau (1778), who also reproduces Mesing figures are 36 for men and 35 for women. Additional data similar to those given by These percentages are high and clearly European. For Sweden in 1750 the correspond-

consulted the originals from which one could presumably discover on what enumerations of whom probably 9,000 were widows or widowers. This leaves a comfortably European by Muret in 1766 and quoted in Malthus's Essay (in the second and later editions). margin for the single. Malthus also quotes some similar figures for Berne, I have not Among the 76,000 adults in Vaud, there are supposed to be 38,000 unmarried persons these estimates are based. Finally mention should be made of the estimates for Vaud in Switzerland, published

population by marital status has been superficial, but it is quite clear that, so far as these data go, there is no real trace of anything but a European pattern. This examination of the eighteenth-century materials on the composition of the

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