Prof. John H. Munro Department of Economics University of Toronto

Updated: 9 January 2012

Economics 301Y1:

Economic History of Later Medieval and Early Modern Europe, 1250 - 1750

Topic No. 6 [13]:

The Population Problem and Economic Development in Early-Modern Europe, 1500 -1700:

Was There a 'Malthusian Trap' in Early-Modern Europe?

READINGS:

The most and more important readings are indicated by asterisks: ** and *

Within each section, all readings, except collections of reprinted essays, are listed in chronological order of original publication (when that date can be ascertained).

A. Important Readings: General and Particular

*	1.	E.H. Phelps Brown and Sheila V. Hopkins, 'Wage Rates and Prices: Evidence of Population Pressure in the Sixteenth Century', <u>Economica</u> , 24 (Nov. 1957), 289-305, reprinted in E. H. Phelps Brown and S. V. Hopkins, <u>A Perspective of Wages and Prices</u> (London, 1981), pp. 60-77.
*	2.	E.A. Wrigley, 'Family Limitation in Pre-Industrial England', <u>Economic History Review</u> , 2nd ser. 19 (1966), 82-109; reprinted in Michael Drake, ed., <u>Population in</u> <u>Industrialization</u> (London, 1969), pp. 157-92.
**	3.	Karl F. Helleiner, 'The Population of Europe from the Black Death to the Eve of the Vital Revolution', in E. E. Rich and C. H. Wilson, ed., <u>The Cambridge Economic History</u> of Europe, Vol. IV: <u>The 16th and 17th Centuries</u> (Cambridge, 1967), pp. 58-95.
*	4.	J.D. Chambers, <u>Population, Economy, and Society in Pre-Industrial England</u> (London, 1972), Chapter 1, 'The General Course of Population Change, 1086-1801', pp. 9-32. But see also Chapters 2 ('Marriage and Mobility'), 3 ('Marriage and Fertility'), 4 ('The Chances of Life and the Autonomous Death Rates'), and 6 ('Population and the Economy in Pre-Industrial England: A Summary').
**	5.	Ralph Davis, <u>The Rise of the Atlantic Economies</u> (London, 1973), Chapter 6: 'Sixteenth and Seventeenth Centuries: Population, Prices, and Incomes', pp. 88-107.
*	6.	Donald Woodward, 'Wage Rates and Living Standards in Pre-Industrial England', <u>Past and</u> <u>Present</u> , No. 91 (May 1981), 28-46.
**	7.	E.A. Wrigley and R.S. Schofield, <u>The Population History of England, 1541-1871: A</u> <u>Reconstruction</u> (London and Cambridge Mass., 1981; 2nd edn. with new introduction, Cambridge and New York, 1989).
**	8.	D.M. Palliser, 'Tawney's Century: Brave New World or Malthusian Trap?' <u>Economic</u> <u>History Review</u> , 2nd ser. 35:3 (Aug. 1982), 339-53.

* 9. Michael Flinn, 'The Population History of England, 1541-1871: A Review', Economic History Review, 2nd ser. 35 (Aug. 1982), 443-57. A review of E. A. Wrigley and Roger Schofield, The Population History of England, 1541-1871 (London, 1981), cited above (and below) ** Peter Lindert, 'English Living Standards, Population Growth, and Wrigley-Schofield', 10. Explorations in Economic History, 20:2 (April 1983), 131-55. * 11. Peter Lindert, 'English Population, Wages, and Prices: 1541-1913', Journal of Interdisciplinary History, 15:4 (Spring 1985), 609-34. ** 12. R. A. Houston, The Population History of Britain and Ireland, 1500 - 1750, Studies in Economic and Social History (London: Macmillan Press, 1991). 13. Alain Blum, Noël Blum, and Didier Blanchet, eds., Modèles de la démographie historique, Institut National d'Études Démographiques (Paris: Presses Universitaires de France, 1992). ** 14. Jan de Vries, 'Population', in Thomas A. Brady, jr., Heiko O. Oberman, and James D. Tracy, eds., Handbook of European History, 1400-1600: Late Middle Ages, Renaissance and Reformation, Vol. I: Structures and Assertions (Leiden/New York/Cologne: E.J. Brill, 1994), pp. 1 - 50. 15. Peter Razzell, Essays in English Population History (London: Caliban Books, 1994). * 16. E. A. Wrigley, R.S. Davies, J.E. Oeppen, and R. S. Schofield, English Population History from Family Reconstitution, Cambridge Studies in Population, Economy and Society in Past Time no. 32 (Cambridge and New York: Cambridge University Press, 1997). David Levine, 'Sampling History: The English Population', Journal of Interdisciplinary * 17. History, 28:4 (Spring 1998), 605-32. A review article, very critical in tone, based on: E.A. Wrigley, R.S. Davies, J.E. Oeppen, and R.S. Schofield, English Population History from Family Reconstruction, 1580 - 1837 (Cambridge and New York: Cambridge University Press, 1997). * John Komlos, 'The Industrial Revolution as the Escape from the Malthusian Trap', The 18. Journal of European Economic History, 29:2-3 (Fall - Winter 2000), 307-31. 19. P.M.G. Harris, The History of Human Populations, vol. I: Forms of Growth and Decline (Westport: Preager, 2001). 20. Richard Lawton and Robert Lee, eds., Population and Society in Western European Port-Cities, c. 1650 - 1939 (Liverpool: Liverpool University Press, 2002). ** John Hatcher, 'Understanding the Population History of England, 1450 - 1750', Past & 21. Present, no. 180 (August 2003), 83-130. 22. Andrew Hinde, England's Population: A History Since the Domesday Survey (London: Hodder Arnold, 2003). P.M.G. Harris, The History of Human Populations, vol. II: Migration, Urbanization, and 23. Structural Change (Westport: Praeger, 2003). E. Anthony Wrigley, Poverty, Progress, and Population (Cambridge and New York: 24. Cambridge University Press, 2004).

- * 25. Gregory Clark and Gillian Hamilton, 'Survival of the Richest: The Malthusian Mechanism in Pre-Industrial England', <u>Journal of Economic History</u>, 66:3 (September 2006), 707 - 736.
- * 26. Esterban A. Nicolini, 'Was Malthus Right? A VAR Analysis of Economic and Demographic Interactions in Pre-Industrial England', <u>European Review of</u> <u>Economic History</u>, 11:1 (April 2007), 99-121.
- * 27. E. Anthony Wrigley, 'Rickman Revisited: the Population Growth Rates of English Counties in the Early Modern Period', <u>The Economic History Review</u>, 2nd ser., 62:3 (August 2009), 711-35.

B. <u>General Readings: Methodological and Demographic Surveys for Europe</u>

- 1. Thomas R. Malthus, <u>An Essay on the Principle of Population</u>, 1st edn. (London, 1798); 6th edn., 2 vols. (London, 1826).
- 2. A.M. Carr-Saunders, <u>The Population Problem: A Study in Human Evolution</u> (Oxford, 1922).
- 3. A. M. Carr-Saunders, <u>World Population: Past Growth and Present Trends</u> (Oxford, 1936), Chapters 5-8.
- 4. Roger Mols, <u>Introduction à la démographie historique des villes d'Europe du XIVe au XVIIIe siècles</u>, 3 vols. (Louvain-Gembloux, 1954-56). See Vol. I on methodology.
- Karl Helleiner, 'New Light on the History of Urban Populations', <u>Journal of Economic History</u>, 18 (1958), 56-61. A review-article concerning the Mols volumes (1954-56).
- 6. E.A. Wrigley, <u>Industrial Growth and Population Change</u> (London, 1961).
- 7. Carlo Cipolla, <u>The Economic History of World Population</u> (London, 1962), pp. 24-31, 62-72, 73-117.
- B. H. Slicher-Van Bath, <u>The Agrarian History of Western Europe, A.D. 500-1850</u> (London, 1963), pp. 18-28, 144-45, 192-205, 205-39; but especially Part III, Section A, 'Population', pp. 77-97.
- * 9. Peter Laslett, <u>The World We Have Lost</u> (London, 1965; 2nd edn. 1971):
 - (a) Chapter 4, 'Births, Marriages, and Deaths', pp. 84-112.
 - (b) Chapter 5, 'Did the Peasants Really Starve? Famine and Pestilence in Pre-Industrial Society', pp. 113-34.
- ** 10. D.V. Glass and D.E.C. Eversley, eds., <u>Population in History</u> (London, 1965). See the following essays:

Part I: General

- (a) D.V. Glass, 'Introduction', pp. 1-22. [Original essay].
- (b) D.E.C. Eversley, 'Population, Economy, and Society', pp. 23-69. [Original essay.]

- (c) Louis Chevalier, 'Towards a History of Population', pp. 70-78. [Reprinted from <u>Population</u>, 1 (1948), 245-56.]
- (d) Karl F. Helleiner, 'The Vital Revolution Reconsidered', pp. 79-86. [Reprinted from <u>The Canadian Journal of Economics and Political Science</u>, 23 (1957), with minor revisions.]
- (e) J. Hajnal, 'European Marriage Patterns in Perspective', pp. 101-43. [Original essay.]

Part II: Great Britain

- (a) H.J. Habakkuk, 'The Economic History of Modern Britain', pp. 147 58. [Reprinted from <u>The Journal of Economic History</u>, 18 (1958), 486-501
- (b) D.V. Glass, 'Two Papers on Gregory King', pp. 159 220.
 - i) 'Introductory Note', pp. 159 67.
 - ii) 'Gregory King and the Population of England and Wales at the End of the Seventeenth Century', pp. 167 - 83. [Reprinted from <u>Eugenics Review</u> (Jan. 1946), 170 - 83.
 - iii) 'Gregory King's Estimate of the Population of England and Wales, 1695', pp. 183 220. [Reprinted from Population Studies, 2 (1950), 338 74.]
- (c) D.V. Glass, 'Population and Population Movements in England and Wales, 1700 to 1850', pp. 221-46. [Unpublished paper, written in 1945.]
- (d) T.H. Hollingsworth, 'A Demographic Study of the British Ducal Families', pp. 354
 78. [Reprinted from <u>Population Studies</u>, 11 (1957), 4 26. See also the revised and extended article, 'The Demogaphy of the British Peerage', <u>Population Studies</u>, 18 (1964).
- (e) J.T. Krause, 'The Changing Adequacy of English Registration, 1690-1837', pp. 379-83. [Original publication.]
- (f) D.E.C. Eversley, 'A Survey of Population in an Area of Worcestershire from 1660 to 1850, on the Basis of Parish Registers', pp. 394 419. [Reprinted from Population Studies, 10 (1957), 253-79.]

Part III: Continental Europe

- (a) Pierre Goubert, 'Recent Theories and Research in French Population between 1500 and 1700', pp. 457-473.
- (b) J. Meuvret, 'Demographic Crisis in France from the Sixteenth to the Eighteenth Century', pp. 507-22.
- (c) Carlo Cipolla, 'Four Centuries of Italian Demographic Development', pp. 570-87.
- J.A. Faber, 'Population Change and Economic Development in the Netherlands: Historical Survey', <u>Afdeling Agrarische Geschiedenis Bijdragen</u>, 12 (1965), 47-110. [Catalogued under: Wageningen, Landbouwhogeschool.]
- 12. Fernand Braudel, <u>Capitalism and Material Life, 1400-1800</u> (trans. Miriam Koch, London, 1967), Chapter 1, 'Weight of Numbers', pp. 1-64. See also Chapters 2-3,

pp. 66-190.

- ** 13. Karl Helleiner, 'Population of Europe from the Black Death to the Eve of the Vital Revolution', in E.E. Rich and Charles Wilson, eds., <u>Cambridge Economic History</u> of Europe, Vol. IV: <u>16th and 17th Centuries</u> (Cambridge, 1967), pp. 58-95.
 - 14. M.R. Reinhard, André Armengaud, Jacques Dupâquier, <u>Histoire générale de la population</u> <u>mondiale</u> (Paris, 1968).
- * 15. E.A. Wrigley, <u>Population and History</u> (London, 1969), Chapters 3-4.
 - 16. A.C. Kelley, 'Demographic Cycles and Economic Growth: The Long Swing Reconsidered', Journal of Economic History, 19 (1969).
 - 17. Michael Drake, ed., <u>Population in Industrialization</u> (London, 1969). Read especially Drake's introduction, pp. 1-10.
 - Harry Miskimin, <u>The Economy of Early Renaissance Europe</u>, <u>1300-1460</u> (1969: reissued Cambridge, 1975), Chapter 2, 'Recovery: Population and the Money Supply', and Chapter 3, 'Agriculture: the Rising Demand for Food', pp. 20-82 (but especially pp. 20-28).
 - 19. Frederic Mauro, <u>Le XVIe siècle européen: aspectes économiques</u> (Paris, 1970), chapter II:1, 'La population', pp. 156-75.
 - 20. Fernand Braudel, <u>The Mediterranean and the Mediterranean World in the Age of Philip II</u>, Vol. I (London, 1972), Part Two: I.2, 'How Many People?' pp. 394-417.
- * 21. Roger Mols, 'Population in Europe, 1500-1700', in Carlo Cipolla, ed., <u>Fontana Economic History of Europe</u>, Vol. II: <u>The Sixteenth and Seventeenth Centuries</u> (London, 1974), pp. 15-82.
 - 22. David Loschky, 'Economic Change, Mortality, and Malthusian Theory', <u>Population Studies</u>, 30 (1975), 439-52.
 - 23. Thomas McKeown, <u>The Modern Rise of Population</u> (London, 1976).
 - 24. Jan De Vries, <u>The Economy of Europe in an Age of Crisis, 1600-1750</u> (Cambridge, 1976), Chapter 1, 'The Age of Crisis', and Chapter 2, 'The Agrarian Economies on Divergent Paths', pp. 1-83, but especially pp. 4-16.
- * 25. Charles Wilson and Geoffrey Parker, eds., <u>Introduction to the Sources of European</u> <u>Economic History, 1500-1800</u> (London, 1977). See the population tables commencing each section: for Italy, Spain, Portugal, the Low Countries, British Isles, France, Germany.
- ** 26. Wilhelm Abel, <u>Agrarkrisen und Agrarkonjunktur</u>, 3rd edn. (Berlin, 1978). Translated by Olive Ordish and reissued as <u>Agricultural Fluctuations in Europe from the</u> <u>Thirteenth to the Twentieth Centuries</u> (London, 1980). Part II, Chapters 4-6: 'Changes in the Agrarian Economy of Western and Central Europe from the Sixteenth to the Mid-Eighteenth Century', pp. 99-196.
 - 27. W.R. Lee, ed., European Demography and Economic Growth (London, 1979).
 - 28. David B. Grigg, <u>Population Growth and Agrarian Change: An Historical Perspective</u> (Cambridge, 1980). Part One, 'Methodology' (chapters 2-5), pp. 9 - 48; Part Two:

'Malthus Justified', chapters 6-9, pp. 49-114; especially chapter 8, 'England in the Sixteenth and Seventeenth Centuries', pp. 102 -14.

- 29. Fernand Braudel, <u>Civilization and Capitalism, 15th 18th Centuries</u>, Vol. I: <u>The Structures</u> <u>of Everyday Life: The Limits of the Possible</u>, translated by Sian Reynolds (New York, 1981), chapter 1: 'Weight of Numbers', pp. 31 - 103.
- 30. Michael Flinn, <u>The European Demographic System</u>, <u>1500-1820</u> (Baltimore, 1981).
 - 31. Esther Boserup, <u>Population and Technological Change: A Study of Long-Term Trends</u> (Chicago, 1981), part III: 'The Role of Demographic Factors in European Development', pp. 93-125.
 - 32. Roderick C. Floud, 'Economics and Population Growth: A Comment', Journal of Interdisciplinary History, 14 (Autumn 1983), 439-44.
 - Ronald D. Lee, 'Inverse Projection and Back Projection: A Critical Appraisal and Comparative Results for England, 1539 to 1871', <u>Population Studies</u>, 39 (1985), 233-62.
 - 34. Jacques Dupâquier and A. Fauve-Chamoux, eds., <u>Malthus Past and Present</u> (London, 1983).
 - 35. David Coleman and Roger Schofield, <u>The State of Population Theory: Forward from</u> <u>Malthus</u> (Oxford, 1986). See especially:
 - (a) Roger Schofield and David Coleman, 'Introduction: the State of Population Theory', pp. 1-13.
 - (b) David Coleman, 'Population Regulation: A Long Range View', pp. 14-41.
 - (c) Richard Stone, 'Robert Malthus: An Appreciation, ' pp. 42-46.
 - (d) E.A. Wrigley, 'Elegance and Experience: Malthus at the Bar of History', pp. 46-64.
 - (e) G.N. von Tunzelmann, 'Malthus's 'Total Population System': A Dynamic Reinterpretation', pp 65 95.
 - (f) Ronald D. Lee, 'Malthus and Boserup: A Dynamic Synthesis', pp. 96 130.
 - (g) Philip Kreager, 'Demographic Regimes as Cultural Systems', pp. 131 55.
 - (h) R. M. Smith, 'Transfer Incomes, Risk and Security: The Roles of the Family and the Collectivity in Recent Theories of Fertility Changes', pp. 188 211.
 - (i) Stephen J. Kunitz, 'Mortality Since Malthus', pp. 279 302.
 - 36. George Alter and James C. Riley, 'How to Bet on Lives: A Guide to Life Contingent Contracts in Early Modern Europe', in Paul Uselding, ed., <u>Research in Economic</u> <u>History</u>, 10 (1986).
 - 37. David Loschky and Maw Lin Lee, 'Malthusian Population Oscillations', <u>Economic Journal</u>, 97 (1987), 727-39.
 - 38. John Komlos, 'On the Role of Crises in Historical Perspective', <u>Population and</u> <u>Development Review</u>, 14 (March 1988), 159 - 64.

- 39. Edward Crenshaw, 'The Demographic Regime of Western Europe in the Early Modern Period: A Review of the Literature', Journal of Family History, 14 (1989), 177-89.
- 40. E. D. Jones, 'Going Round in Circles: Some New Evidence for Population in the Later Middle Ages', Journal of Medieval History, 15 (1989), 329-45.
- 41. L. R. Poos, 'The Historical Demography of Renaissance Europe: Recent Research and Current Issues', <u>Renaissance Quarterly</u>, 42 (1989), 749-811.
- 42. Richard M. Smith, 'Demographic Developments in Rural England, 1300-48: A Survey', in Bruce M.S. Campbell, ed., <u>Before the Black Death: Studies in the 'Crisis' of the Early Fourteenth Century</u> (Manchester and New York: Manchester University Press, 1991), pp. 25 77.

*

Although this essay may appear to be too early in the period for this tutorial topic, it is in fact very relevant. It is the best analytical survey of the previous demographic crisis, arguably more deserving of the description 'Malthusian'; and Smith makes several useful comparisons between the two. He also provides a very clear analysis of Malthus and the so-called Malthusian model.

- 43. Ronald Lee, 'Accidental and Systematic Change in Population History: Homeostasis in a Stochastic Setting', <u>Explorations in Economic History</u>, 30:1 (January 1993), 1 30. See in particular 'The Origin of Long Swings in Historical Populations', pp. 21-28.
- 44. Christian Pfister, 'The Population of Late Medieval and Early Modern Germany', Robert Scribner, ed., <u>Germany: A New Social and Economic History</u>, Vol. 1: <u>1450 1630</u> (London and New York: Arnold, 1996).
- E. A. Wrigley, R.S. Davies, J.E. Oeppen, and R. S. Schofield, <u>English Population History</u> <u>from Family Reconstitution</u>, Cambridge Studies in Population, Economy and Society in Past Time no. 32 (Cambridge and New York: Cambridge University Press, 1997).
- 46. Michel Morineau, 'Malthus: There and Back, From the Period Preceding the Black Death to the Industrial Revolution', <u>The Journal of European Economic History</u>, 27:1 (Spring 1998), 137-202.
- 47. Terence McIntosh, 'Urban Demographic Stagnation in Early Modern Germany: A Simulation', Journal of Interdisciplinary History, 31:4 (Spring 2001), 581-612.
- Jörg Baten, 'Climate, Grain Production and Nutritional Status in Southern Germany During the XVIIIth Century', <u>The Journal of European Economic History</u>, 30:1 (Spring 2001), 9 - 47.
- 49. James C. Riley, <u>Rising Life Expectancy: A Global History</u> (Cambridge and New York: Cambridge University Press, 2001).
- 50. R. I. Rotberg, ed., <u>Population History and the Family</u> (Cambridge, Mass., MIT Press, 2001).
- 50. John Landers, <u>The Field and the Forge: Population</u>, <u>Production</u>, <u>and Power in the Pre-</u><u>Industrial West</u> (Oxford and New York: Oxford University Press, 2003).

- 51. P.M.G. Harris, <u>The History of Human Populations</u>, vol. II: <u>Migration</u>, <u>Urbanization</u>, and <u>Structural Change</u> (Westport: Praeger, 2003).
- 52. Lawrence R. Poos, 'The Historical Demography of Northern Europe, 1400 1650', in Troels Dohlerup and Per Ingesman, eds., <u>New Approaches to the History of Late</u> <u>Medieval and Early Modern Europe: Selected Proceedings of Two International</u> <u>Conferences at the Royal Danish Academy of Sciences and Letters in Copenhagen</u> <u>in 1997 and 1999</u>, Historisk-filosofiske Meddelelser 104 (Copenhagen: The Royal Danish Academy of Sciences and Letters, 2009), pp. 365-96.

C. English Demography: Some Particular Studies

- 1. F.J. Fisher, 'The Development of the London Food Market, 1540-1640', <u>Economic History</u> <u>Review</u>, 1st ser. 5 (1935), reprinted in E. M. Carus-Wilson, ed., <u>Essays in Economic</u> <u>History</u>, 3 vols., Vol. I (London, 1954), 135-51.
- 2. J.C. Russell, <u>British Medieval Population</u> (Albequerque, 1948).
- 3. E.E. Rich, 'Elizabethan Population', <u>Economic History Review</u>, 2nd ser. 2 (1949-50), 247-65.
- 4. Joan Thirsk, 'Industries in the Countryside', in F.J. Fisher, ed., <u>Essays in the Economic and</u> <u>Social History of Tudor and Stuart England</u>, (Cambridge, 1961), pp. 70-88. A very important essay relating the dynamics of partible inheritance, population growth, and rural industrialization; but her views on the demographics of enclosure are quite opposite from those of Blanchard (no. 14 below).
 - B.R. Mitchell and Phyllis Deane, ed., <u>Abstract of British Historical Statistics</u> (Cambridge, 1962), Section I, 'Population and Vital Statistics', pp. 1-54. Use with care, since many of these statistics have been superseded by those of Wrigley and Schofield.
 - Y. S. Brenner, 'The Inflation of Prices in Early Sixteenth-Century England', <u>Economic History Review</u>, 2nd ser. 14 (1961-62), reprinted in Peter Ramsey, ed., <u>The Price Revolution in Sixteenth-Century England</u> (1971), pp. 69-90.
 - 7. Y.S. Brenner, 'The Inflation of Prices in England, 1551-1650', <u>Economic History Review</u>, 2nd ser. 15 (19623), 266-84.
 - 8. G.S.L. Tucker, 'English Pre-Industrial Population Trends', <u>Economic History Review</u>, 2nd ser. 16 (1963), 205-30.
 - 9. E.A. Wrigley, ed., <u>Introduction to English Historical Demography from the Sixteenth to the Eighteenth Centuries</u> (London, 1964).
 - F.J. Fisher, 'Inflation and Influenza in Tudor England', <u>Economic History Review</u>, 2nd ser. 18 (1965), 120-29.
 - 11. E.A. Wrigley, 'Family Limitation in Pre-Industrial England', <u>Economic History Review</u>, 2nd ser. 19 (1966), 82-109: reprinted in Michael Drake, ed., <u>Population in</u> <u>Industrialization</u> (London, 1969), pp. 157-94 (with some omissions).
 - 12. E.A. Wrigley, 'A Simple Model of London's Importance in Changing English Society and Economy, 1650-1750', <u>Past and Present</u>, No. 37 (1967), 44-70.
 - 13. J.T. Krause, 'Some Aspects of Population Change, 1690-1790', in E. L. Jones and

G. E. Mingay, eds., Land, Labour, and Population in the Industrial Revolution: Essays Presented to J.D. Chambers (London, 1967), pp. 187-205.

- 14. R.B. Outhwaite, Inflation in Tudor and Early Stuart England (Studies in Economic History series, London, 1969; 2nd edn. 1982 -- with very few changes). Gives very considerable weight to population growth as a key factor in generating this inflation, though grudgingly admitting the necessary role of monetary factors.
 - 15. Julian Cornwall, 'English Population in the Early Sixteenth Century', Economic History Review, 2nd ser. 23:1 (April 1970), 32-44.
- Ian Blanchard, 'Population Change, Enclosure, and the Early Tudor Economy', Economic 16. History Review, 2nd ser. 23:3 (December 1970), 427-45. A very important article, equally relevant for the tutorial topic on Tudor Enclosures.
 - 17. Michael Flinn, British Population Growth, 1700-1850 (London, 1970).
 - 18. Peter H. Ramsey, ed., The Price Revolution in Sixteenth-Century England (London, 1971). Several of the authors in this collection also give strong weight to the demographic factor in this inflation: Phelps Brown and Hopkins, Hammarstrom, and Brenner. In contrast to Outhwaite, however, they often ignore the necessary role of monetary factors.
- F.J. Fisher, 'London as an 'Engine of Economic Growth'', in J.S. Bromley and E.H. Kossmann, eds., <u>Britain and the Netherlands</u>, Vol. IV: <u>Metropolis</u>, <u>Dominion</u>, 19. and Province (The Hague, 1971), pp. 3-16. An important aspect of English population growth.
- 20. J.D. Chambers, Population, Economy, and Society in Pre-Industrial England (London, 1972), especially chapters 1, 5, 6.
 - R.D. Lee, 'Population in Pre-Industrial England: An Econometric Analysis', Quarterly 21. Journal of Economics, 86 (1973), 581-607.
- Harry Miskimin, 'Population Growth and the Price Revolution in England', Journal of * 22. European Economic History, 4 (1975), 179-85. Reprinted in his Cash, Credit and Crisis in Europe, 1300 - 1600 (London: Variorum Reprints, 1989), no. xiv.
 - 23. N.F.R. Crafts and N.J. Ireland, 'Family Limitation and the English Demographic Revolution: A Simulation Approach', Journal of Economic History, 36 (1976), 598-623. Very technical and econometric.
 - Peter Clark and Paul Slack, English Towns in Transition, 1500-1700 (1976), Chapter 24. 6: 'Demographic Background'.
 - 25. T.B. James and N.A. Price, 'Measurement of the Change in Populations Through Time: Capture-Recapture Analysis of Population for St. Lawrence Parish, Southampton, 1454 to 1610', The Journal of European Economic History, 5:3 (Winter 1976), 719-36.
 - Michael Flinn, ed., Scottish Population History from the Seventeenth Century to the 1930s 26. (Cambridge, 1977).
 - 27. John Hatcher, Plague, Population, and the English Economy, 1348-1530 (Studies in Economic History series, London, 1977), pp. 11-73. The best introduction to demographic changes and population decline in late-medieval England, the era

- *

preceding this demographic topic on early-modern England.

- R.B. Morrow, 'Family Limitation in Pre-Industrial England: A Re-Appraisal', and E.A. Wrigley, 'Marital Fertility in Seventeenth-Century Colyton: A Note', both in: <u>Economic History Review</u>, 2nd ser. 26 (1978), 419-28, 429-36.
- 29. Richard M. Smith, 'Population and its Geography in England, 1500 1730', in R. A. Dodgshon and R. A. Butlin, eds., <u>An Historical Geography of England and Wales</u> (London, 1978).
 - S. H. Rigby, 'Urban Decline in the Later Middle Ages: Some Problems in Interpreting the Statistical Data', <u>Urban History Yearbook 1979</u> (Leicester University Press, 1979), pp. 46 - 59.
 - 31. Alan Dyer, 'Growth and Decay in English Towns, 1500 1700', <u>Urban History Yearbook</u> <u>1979</u> (Leicester University Press, 1979), pp. 60 - 72.
 - C. V. Phythian-Adams, 'Dr Dyer's Urban Undulations', <u>Urban History Yearbook 1979</u> (Leicester University Press, 1979), pp. 73 - 76.
- * 33. E.A. Wrigley and R.S. Schofield, <u>The Population History of England, 1541-1871: A</u> <u>Reconstruction</u> (London and Cambridge Mass., 1981; 2nd edn. with new introduction, Cambridge and New York, 1989).

See also the review article on this book by Michael Flinn, in <u>The Economic History Review</u>, 2nd ser. 35 (1982), 443-57.

- 34. Bruce M. S. Campbell, 'The Population of Early Tudor England: A Re-evaluation of the 1522 Muster Returns and the 1524 and 1525 Lay Subsidies', <u>Journal of Historical Geography</u>, 7 (1981), 145-54.
- * 35. R.D. Lee and R.S. Schofield, 'British Population in the Eighteenth Century', in Roderick Floud and Donald McCloskey eds., <u>The Economic History of Britain</u> <u>Since 1700</u> (Cambridge, 1981), Vol. I, pp. 17-35.
- * 36. D.M. Palliser, 'Tawney's Century: Brave New World or Malthusian Trap?' <u>Economic</u> <u>History Review</u>, 2nd ser. 35 (1982), 339-53.
- ** 37. E.A. Wrigley, 'The Growth of Population in Eighteenth-Century England: A Conundrum Resolved', <u>Past and Present</u>, No. 98 (February 1983), 121-50. Very important article that clearly summarizes conclusions of nos. 25 and 27 with considerable relevance for the pre-1750 period.
 - E.A. Wrigley and R.S. Schofield, 'English Population History from Family Reconstitution: Summary Results, 1600-1799', <u>Population Studies</u>, 37 (1983).
 - 39. Roger S. Schofield, 'The Impact of Scarcity and Plenty on Population Change in England, 1541 1871', Journal of Interdisciplinary History, 14 (1983).
 - 40. C. G. A. Clay, <u>Economic Expansion and Social Change: England, 1500-1700</u>, 2 vols. (Cambridge, 1984), Vol. I: <u>People, Land, and Towns</u>, Chapter I, 'Population', pp. 1-28.
 - 41. David R. Weir, 'Rather Never than Late: Celibacy and Age at Marriage in English Cohort Fertility, 1541-1971', Journal of Family History, 9 (1984), 340-54.

**

- S.H. Rigby, 'Urban Decline in the Later Middle Ages: The Reliability of the Non-Statistical Evidence', <u>Urban History Yearbook 1984</u> (Leicester University Press, 1984), pp. 45 - 60.
- 43. Derek Keene, 'A New Study of London Before the Great Fire', <u>Urban History Yearbook</u> <u>1984</u> (Leicester University Press, 1984), pp. 11 - 21.
- Roger S. Schofield, 'English Marriage Patterns Revisited', <u>Journal of Family History</u>, 10 (1985), 2-20.
- 45. Ronald D. Lee, 'Inverse Projection and Back Projection: A Critical Appraisal and Comparative Results for England, 1539 to 1871', <u>Population Studies</u>, 39 (1985), 233-62.
- E. A. Wrigley, 'Urban Growth and Agricultural Change: England and the Continent in the Early Modern Period', <u>Journal of Interdisciplinary History</u>, 15 (Spring 1985), 683-728.
- 47. R. I. Rotberg and T. K. Rabb, eds., <u>Population and Economy: Population and History from</u> <u>the Traditional to the Modern World</u> (Cambridge, 1986). This is a reprint in book form of <u>The Journal of Interdisciplinary History</u>, 15:4 (Spring 1985), containing the following articles (with the pagination as in the journal version):
 - (a) R.S. Schofield and E.A. Wrigley, 'Introduction', pp. 561-69.
 - (b) R.S. Schofield, 'Through a Glass Darkly: <u>The Population History of England</u> as an Experiment in History', pp. 571-93.
 - (c) Michael Anderson, 'Historical Demography after <u>The Population History of</u> <u>England</u>', pp. 595-607.
 - * (d) Peter H. Lindert, 'English Population, Wages, and Prices: 1541-1913', pp. 609-34.
 - (e) Ronald Lee, 'Population Homeostasis and English Demographic History', pp. 635-60.
 - * (f) E.A. Wrigley, 'Urban Growth and Agricultural Change: England and the Continent in the Early Modern Period', pp. 683-728.
 - (g) Brinley Thomas, 'Escaping from Constraints: The Industrial Revolution in a Malthusian Context', pp. 729-54.
 - (h) Ann Kussmaul, 'Time and Space, Hoofs and Grain: The Seasonality of Marriage in England', pp. 755-79.
 - 48. David Cressy, 'The Seasonality of Marriage in Old and New England', <u>Journal of</u> <u>Interdisciplinary History</u>, 16 (Summer 1985), 1-21.
 - 49. John Hatcher, 'Mortality in the Fifteenth Century: Some New Evidence', <u>Economic History</u> <u>Review</u>, 39 (Feb. 1986), 19-38.
 - 50. David Levine, <u>Reproducing Families: The Political Economy of English Population History</u> (Cambridge, 1987).
- 51. Robert Stavins, 'A Model of English Demographic Change, 1573 1873', <u>Explorations in</u> <u>Economic History</u>, 25 (Jan. 1988), 98 - 116. Important article; but only for those

*

with advanced mathematics and econometrics.

- 52. John Komlos, 'The Birth-Baptism Interval and the Estimate of English Population in the Eighteenth Century', in Paul Uselding, ed., <u>Research in Economic History</u>, 11 (1988).
- 53. Mark Bailey, 'Blowing up Bubbles: Some New Demographic Evidence for the Fifteenth Century?' Journal of Medieval History, 15 (1989), 347-58.
- 54. Mary J. Dobson, 'The Last Hiccup of the Old Demographic Regime: Population Stagnation and Decline in Late Seventeenth- and Early Eighteenth-Century South-East England', <u>Continuity and Change</u>, 4 (1989), 395-428.
- 55. Ann Kussmaul, <u>A General View of the Rural Economy of England, 1538 1840</u>, Cambridge Studies in Population, Economy, and Society in Past Time (Cambridge University Press, 1990). With considerable emphasis on demographic factors, especially in chapter two.
- 56. Peter A. Gunn, 'Productive Cycles and the Season of Marriage: A Critical Test', <u>Journal of</u> <u>Interdisciplinary History</u>, 21 (1990), 217 - 243.
- 57. Pamela Sharpe, 'Literally Spinsters: A New Interpretation of Local Economy and Demography in Colyton in the Seventeenth and Eighteenth Centuries', Economic <u>History Review</u>, 2nd ser. 44 (February 1991), 46 65.
- Larry Poos, <u>A Rural Society after the Black Death: Essex, 1350 1525</u>, Cambridge Studies in Population, Economy and Society in Past Time no. 18 (Cambridge: Cambridge University Press, 1991).
- 59. R. A. Houston, <u>The Population History of Britain and Ireland, 1500 1750</u>, Studies in Economic and Social History (London: Macmillan Press, 1991).
 - 60. E. D. Jones, 'A Few Bubbles More: the Myntling Register Revisited', <u>Journal of Medieval</u> <u>History</u>, 17 (1991), 263-9.
- 61. Richard M. Smith, 'Demographic Developments in Rural England, 1300-48: A Survey', in Bruce M.S. Campbell, ed., <u>Before the Black Death: Studies in the 'Crisis' of the</u> <u>Early Fourteenth Century</u> (Manchester and New York: Manchester University Press, 1991), pp. 25 - 77.

Although this essay may appear to be too early in the period for this topic, it is in fact very relevant. It is the best analytical survey of the previous demographic crisis, arguably more deserving of the description 'Malthusian'; and Smith makes several useful comparisons between the two. He also provides a very clear analysis of Malthus and the so-called Malthusian model.

- 62. S.J. Payling, 'Social Mobility, Demographic Change, and Landed Society in Late Medieval England', <u>Economic History Review</u>, 2nd ser., 45 (February 1992), 51-73.
- Theofanis C. Tsoulouhas, 'A New Look at Demographic and Technological Changes: England, 1550 to 1839', <u>Explorations in Economic History</u>, 29 (April 1992), 169 -203.
- 64. Barbara Harvey, <u>Living and Dying in England, 1100-1540: The Monastic Experience</u> (Oxford: Clarendon Press, 1993).

12

- **
- *

- 66. Mark Bailey, 'Demographic Decline in Late-Medieval England: Some Thoughts on Recent Research', <u>The Economic History Review</u>, 2nd ser., 49:1 (February 1996), 1-19.
- 67. Michael Anderson, ed., <u>British Population History from the Black Death to the Present Day</u>, Studies in Social and Economic History (Cambridge and New York: Cambridge University Press, 1996). Combines three previously published Studies in this series on English/British population: by John Hatcher, R.A. Houston, and Michael Anderson.
 - E. A. Wrigley, R.S. Davies, J.E. Oeppen, and R. S. Schofield, <u>English Population History</u> <u>from Family Reconstitution</u>, Cambridge Studies in Population, Economy and Society in Past Time no. 32 (Cambridge and New York: Cambridge University Press, 1997).
 - 69. Pamela Nightingale, 'The Growth of London in the Medieval English Economy', in Richard Britnell and John Hatcher, eds., <u>Progress and Problems in Medieval England</u> (Cambridge and New York: Cambridge University Press, 1996), pp. 89-106.
 - E. A. Wrigley, R.S. Davies, J.E. Oeppen, and R. S. Schofield, <u>English Population History</u> <u>from Family Reconstitution</u>, Cambridge Studies in Population, Economy and Society in Past Time no. 32 (Cambridge and New York: Cambridge University Press, 1997).
 - 71. Chris Galley, <u>The Demography of Early Modern Towns: York in the Sixteenth and</u> <u>Seventeenth Centuries</u> (Liverpool: Liverpool University Press, 1999).
 - 72. Pamela Sharpe, <u>Population and Society in an East Devon Parish: Reproducing Colyton,</u> <u>1540 - 1840</u> (Exeter: University of Exeter Press, 2002).
- ** 73. John Hatcher, 'Understanding the Population History of England, 1450 1750', <u>Past &</u> <u>Present</u>, no. 180 (August 2003), 83-130.
- 74. Andrew Hinde, <u>England's Population: A History Since the Domesday Survey</u> (London: Hodder Arnold, 2003).
- * 75. John Langdon and James Masschaele, 'Commercial Activity and Population Growth in Medieval England', <u>Past & Present</u>, no. 190 (February 2006), 3-34.
 - 76. David M. Palliser, <u>Towns and Local Communities in Medieval and Early Modern England</u> (Aldershot: Ashgate, 2006).
 - 77. E. Anthony Wrigley, 'English County Populations in the Later Eighteenth Century', <u>The</u> <u>Economic History Review</u>, 2nd ser., 60:1 (February 2007), 35-69.
- * 78. E. Anthony Wrigley, 'Rickman Revisited: the Population Growth Rates of English Counties in the Early Modern Period', <u>The Economic History Review</u>, 2nd ser., 62:3 (August 2009), 711-35.

D. Fertility and The 'European Marriage Pattern':

*

*

Marriage Patterns, Family Structures, and Fertility in Late Medieval and Early Modern

Europe. In chronological order of publication

- 1. Philip Ariès, <u>Centuries of Childhood: A Social History of Family Life</u>, trans. Robert Baldick (London, 1962).
- J. Hajnal, 'European Marriage Patterns in Perspective', in D.V. Glass and D.E.C. Eversely, eds., <u>Population in History: Essays in Historical Demography</u> (London, 1965), pp. 101-46.
- E.A. Wrigley, 'Family Limitation in Pre-Industrial England', <u>Economic History Review</u>, 2nd ser. 19 (1966), 82-109: reprinted in Michael Drake, ed., <u>Population in</u> <u>Industrialization</u> (London, 1969), pp. 157-94.
 - 4. Peter Laslett, 'Mean Household Size in England Since the Sixteenth Century', in Peter Laslett and R. Wall, eds., <u>Household and Family in Past Time</u> (Cambridge and New York: Cambridge University Press, 1972).
- * 5. R.B. Outhwaite, 'Age at Marriage in England from the Late Seventeenth to the Nineteenth Century', <u>Transactions of the Royal Historical Society</u>, 5th series, 23 (1973).
 - 6. N.F.R. Crafts and N.J. Ireland, 'Family Limitation and the English Demographic Revolution: A Simulation Approach', <u>Journal of Economic History</u>, 36 (1976), 598-623. Very technical and econometric.
 - Richard T. Vann, 'Women in Preindustrial Capitalism', in R. Bridenthal, ed., <u>Becoming</u> <u>Visible: Women in European History</u> (Boston: Houghton Mifflin, 1977), pp. 194-215.
 - 8. E. A. Wrigley, 'Reflections on the History of the Family', <u>Daedalus</u>, 106 (1977), 71 85.
 - R.B. Morrow, 'Family Limitation in Pre-Industrial England: A Re-Appraisal', and E.A. Wrigley, 'Marital Fertility in Seventeenth-Century Colyton: A Note', <u>Economic History Review</u>, 2nd ser., 26 (1978), 419-28, 429-36.
 - 10. Richard M. Smith, 'Some Reflections on the Evidence for the Origins of the 'European Marriage Pattern' in England', in C. Harris, ed., <u>The Sociology of the Family: New Directions for Britain</u> (Keele, 1979), pp. 74-112.
 - 11. Peter Laslett, 'Comparing Illegitmacy over Time and Between Cultures', in Peter Laslett, Karla Osterveen, and Richard M. Smith, eds., <u>Bastardy and its Comparative History</u> (London, 1980).
 - 12. Michael Anderson, <u>Approaches to the History of the Western Family, 1500 1914</u>, New Studies in Economic and Social History (Cambridge and New York: Cambridge University Press, 1980).
 - 13. Ann Kussmaul, <u>Servants in Husbandry in Early Modern England</u> (Cambridge, 1981). Very important for the influence of this socio-economic agrarian institution for an understanding of the European Marriage Pattern
 - 14. Richard M. Smith, 'Fertility, Economy, and Household Formation in England Over Three Centuries', <u>Population and Development Review</u>, 7 (1981), 595 622.
 - E.A. Wrigley, 'Marriage, Fertility and Population Growth in Eighteenth-Century England', in R.B. Outhwaite, ed., <u>Marriage and Society: Studies in the Social History of</u> <u>Marriage</u> (London, 1981), pp. 155-67.

- * 16. P.P.A. Biller, 'Birth Control in the West in the Thirteenth and Early Fourteenth Centuries', <u>Past and Present</u>, no. 94 (Feb. 1982), 3-26.
- ** 17. John Hajnal, 'Two Kinds of Pre-Industrial Household Formation Systems', in Richard Wall, ed., <u>Family Forms in Historic Europe</u>, SSRC Cambridge Group for the History of Population and Social Structure (Cambridge and New York: Cambridge University Press, 1983), pp. 65-104.

- Richard Wall, 'The Household: Demographic and Economic Change in England, 1650 -1970', in Richard Wall, ed., <u>Family Forms in Historic Europe</u>, SSRC Cambridge Group for the History of Population and Social Structure (Cambridge and New York: Cambridge University Press, 1983), pp. 493-512.
 - 19. E.A. Wrigley and R.S. Schofield, 'English Population History from Family Reconstitution: Summary Results, 1600 - 1799', <u>Population Studies</u>, 37 (1983), 157-84.
- * 20. Richard M. Smith, 'Hypothèses sur la nuptialité en Angleterre aux XIIIe XIVe siècles', <u>Annales: Economies, Sociétés, Civilisations</u>, 38 (1983), 107-36.
 - 21. Jack Goody, <u>The Development of the Family and Marriage in Europe</u> (Cambridge University Press, 1983).
 - 22. David Herlihy, 'The Making of the Medieval Family: Symmetry, Structure, and Sentiment', Journal of Family History, 2 (1983), 116-30.
 - 23. Peter Laslett, <u>The World We Have Lost: Further Explored</u> (London: Methuen, 1983).
 - 24. Chris Wilson, 'Natural Fertility in Pre-Industrial England, 1600 1799', <u>Population Studies</u>, 38 (1984), 225-40.
 - 25. David R. Weir, 'Rather Never than Late: Celibacy and Age at Marriage in English Cohort Fertility, 1541-1971', Journal of Family History, 9 (1984), 340-54.
 - 26. Roger Schofield, 'English Marriage Patterns Revisited', <u>Journal of Family History</u>, 10:1 (Spring 1985), 2-20.
 - 27. Antonia Fraser, <u>The Weaker Vessel: Woman's Lot in Seventeenth-Century England</u> (London: Methuen, 1984).
 - David Herlihy, <u>Medieval Households</u> (Cambridge, Mass. 1985), chapters 4, 5, and 6 (pp. 79 156), for later medieval marriage patterns, parenthood, childhood, etc..
 - 29. Mary Prior, 'Women and the Urban Economy', in Mary Prior, ed., <u>Women in English</u> <u>Society, 1500 - 1800</u> (London: Methuen, 1985).
 - L. Bonfield, Keith Wrightson, and Richard M. Smith, eds., <u>The World We have Gained:</u> <u>Histories of Population and Social Structure</u> (Oxford: Oxford University Press, 1986):
 - (a) Richard M. Smith, 'Marrige Processes in the English Past: Some Continuities', pp. 43-99.
 - (b) Roger Schofield, 'Did Mothers Really Die?' pp. 231-60.
 - (c) P.P. Viazzo, 'Illegitimacy and the European Marriage Pattern: Comparative Evidence from the Alpine Area', pp. 100-21.

- (d) Vivien Brodsky, 'Widows in Late Elizabethan London: Remarriage, Economic Opportunity and Family Orientations', pp. 122-54.
- (e) Lloyd Bonfield, 'Normative Rules and Property Transmission: Reflections on the Link between Marriage and Inheritance in Early Modern England', pp. 155-76.
- (f) Keith Wrightson, 'The Social Order of Modern England: Three Approaches', pp. 177-202.
- (g) Chris Wilson, 'The Proximate Determinants of Marital Fertility in England, 1600 1799', pp. 203-30.
- (h) Richard Wall, 'Work, Welfare and the Family: An Illustration of the Adaptive Family Economy', pp. 261-94.
- 31. David Levine, <u>Reproducing Families: The Political Economy of English Population History</u> (Cambridge, 1987).
- 32. P. Galloway, 'Basic patterns in Annual Variations in Fertility, Nuptiality, Mortality, and Prices in Pre-Industrial Europe', <u>Population Studies</u>, 42 (1988), 275-304.
- Walter Prevenier, ed., <u>Marriage and Social Mobility in the Late Middle Ages/ Mariage et</u> <u>mobilité sociale au bas moyen-âge</u>, Studia Historica Gandensia no. 274 (Ghent, 1989).
- 34. David Potter, 'Marriage and Cruelty Amongst the Protestant Nobility in 16th Century France', <u>European History Quarterly</u>, 20 (Jan. 1990), 19-35.
- 35. Pamela Sharpe, 'Literally Spinsters: A New Interpretation of Local Economy and Demography in Colyton in the Seventeenth and Eighteenth Centuries', <u>Economic History Review</u>, 2nd ser. 44 (February 1991), 46 65.
- Katrina Honeyman and Jordan Goodman, 'Women's Work, Gender Conflict, and Labour Markets in Europe, 1500 - 1900', <u>Economic History Review</u>, 2nd ser., 44 (November 1991), 608-28.
- 37. Jean-Louis Flandrin, <u>Sex in the Western World: The Development of Attitudes and Behavior</u> (Philadelphia: Harwood Academic Publishers, 1991).
- C. Wilson and R. Woods, 'Fertility in England: A Long-Term Perspective', <u>Population</u> <u>Studies</u>, 45 (1991), 399 - 415.
- E. A. Wrigley, 'Mortality and the European Marriage Pattern System', in Catherine Geissler and Derek Oddy, eds., <u>Food, Diet, and Economic Change, Past and Present</u> (Leicester: Leicester University Press, 1993), pp. 35-49.
- 40. Merry E. Wiesner, <u>Women and Gender in Early Modern Europe</u>, New Approaches to European History 1 (Cambridge and New York: Cambridge University Press, 1993).
- 41. Daniel C. Quinlan and Jean A. Shackelford, 'Economy and English Families, 1500 1850', Journal of Interdisciplinary History, 24:3 (Winter 1994), 431-63.
- 42. David Weir, 'Family Income, Mortality, and Fertility on the Eve of the Demographic Transition: A Case Study of Rosny-sous-Bois', <u>The Journal of Economic History</u>, 55:1 (March 1995), 1-26.

**

- 43. Anthony Fletcher, <u>Gender, Sex and Subordination in England, 1500 1800</u> (New Haven and London: Yale University Press, 1995).
- 44. David Kertzer and Peter Laslett, <u>Aging in the Past: Demography, Society and Old Age</u> (Berkeley: University of California Press, 1995).
- 45. Richard Adair, <u>Courtship, Illegitimacy and Marriage in Early Modern England</u> (Manchester and New York: Manchester University Press, 1996).

**

- E. A. Wrigley, R.S. Davies, J.E. Oeppen, and R. S. Schofield, <u>English Population History</u> <u>from Family Reconstitution</u>, Cambridge Studies in Population, Economy and Society in Past Time no. 32 (Cambridge and New York: Cambridge University Press, 1997).
- 47. Laura Gowing, 'Secret Births and Infanticide in Seventeenth-Century England', <u>Past &</u> <u>Present</u>, no. 156 (August 1997), 87-115.
- 48. Rebecca Jean Emigh, 'Land Tenure, Household Structure, and Age at Marriage in Fifteenth-Century Tuscany', Journal of Interdisciplinary History, 27:4 (Spring 1997), 613-36.
- 49. David Cressy, <u>Birth, Marriage and Death: Ritual, Religion and Life-Cycle in Tudor and</u> <u>Stuart England</u> (Oxford and New York: Oxford University Press, 1997).
- 50. Maw Lin Lee and David Loschky, 'Interdependency between Fertility and Real Wages in England, 1541 1871', <u>The Journal of European Economic History</u>, 27:1 (Spring 1998), 107-31.
 - 51. Mavis E. Mate, <u>Daughters, Wives, and Widows after the Black Death: Women in Sussex</u>, <u>1350-1535</u> (Woodbridge, Suffolk: Boydell Press, 1998).
 - 52. Jane Fair Bestor, 'Marriage Transactions in Renaissance Italy and Mauss's *Essay on the Gift*', <u>Past & Present</u>, no. 164 (August 1999), 6-46.
- * 53. Isabelle Devos and Liam Kennedy, eds., <u>Marriage and Rural: Western Europe Since 1400</u>, CORN Publication Series 3: Comparative Rural History of the North Sea Area (Turnhout: Brepols, 1999).
 - * a) Richard Smith, 'Relative Prices, Forms of Agrarian Labour, and Female Marriage Patterns in England, 1350-1800', pp. 19-48.
 - b) Michael Anderson, 'Why Was Scottish Nuptiality So Depressed for So Long?', pp. 49-84.
 - c) Liam Kennedy, 'Marriage and Economic Conditions at the West European Periphery: Ireland, 1600 2000', pp. 85-101.
 - d) Isabelle Devos, 'Marriage and Economic Conditions since 1700: the Belgian Case', pp. 101-132.
 - e) George Alter and Michel Oris, 'Access to Marriage in the East Ardennes during the 19th Century', pp. 133-51.
 - f) Frans van Poppel and Jan Nelissen, 'Economic Opportunities and Age at Marriage: an Analysis of 19th-Century Micro Data for the Netherlands', pp. 152-78.

- g) François Hendrickx, 'Marriage in Twente: Nuptiality, Proto-Industrialisation and Religion in Two Dutch Villages, 1800 1900', pp. 179-202.
- h) Solvi Sogner, 'Marriage and the Early Modern State: the Norwegian Case', pp. 203-16.
- i) Christer Lundh, 'Marriage and Economic Change in Sweden during the 18th and 19th Century', pp. 217-242.
- j) Georg Fertig, 'Marriage and Economy in Rural Westphalia, 1750 1870: Time Series and Cross-Sectional Analysis', pp. 243-72.
- k) Theo Engelen, 'The Development of Regional Patterns of Nuptiality in 20th-Century Europe', pp. 273-288.
- 1) Michael Anderson, 'Conclusions', pp. 289-92.
- 54. Donald Woodward, 'Early Modern Servants in Husbandry Revisited', <u>Agricultural History</u> <u>Review</u>, 48:ii (2000), 141-50.
- 55. Tim Meldrum, <u>Domestic Service and Gender: 1660 1750: Life and Work in the London</u> <u>Household</u> (Harlow: Pearson Education, 2000).
- S. J. Payland, 'The Economics of Marriage in Late Medieval England: the Marriage of Heiresses', <u>The Economic History Review</u>, 2nd ser., 54:3 (August 2001), 413-29.
- 57. A. H. Gritt, 'The Survival of "Service" in the English Agricultural Labour Force: Lessons from Lancashire, c. 1650 1851', <u>Agricultural History Review</u>, 50:1 (2002), 25-50. Concerns the role of 'service in husbandry' as a factor in the European Marriage Pattern: a critique of the Kussmaul thesis.
- 58. Pamela Sharpe, <u>Population and Society in an East Devon Parish: Reproducing Colyton</u>, 1540 1840 (Exeter: University of Exeter Press, 2002).
- Robert Woods, 'Did Montaigne Love His Children? Demography and the Hypothesis of Parental Indifference', <u>Journal of Interdisciplinary History</u>, 33:3 (Winter 2003), 421-42. For early modern European, especially French, demography.
- 60. Simon Szreter, Robert A. Nye, and Frans van Poppel, 'Fertility and Contraception during the Demographic Transition: Qualitative and Quantitative Approaches', <u>Journal of Interdisciplinary History</u>, 34:3 (Autumn 2003), 141-54. Special issue on *Before the Pill: Preventing Fertility and Western Europe and Quebec*.
- 61. Gregory Clark and Gillian Hamilton, 'Survival of the Richest: The Malthusian Mechanism in Pre-Industrial England', <u>Journal of Economic History</u>, 66:3 (September 2006), 707 - 736.
- 62. John C. Brown and Timonthy W. Guinane, 'Regions and Time in the European Fertility Transition: Problems in the Princeton Project's Statistical Methodology', <u>The</u> <u>Economic History Review</u>, 2nd ser., 60:3 (August 2007), 574-95.
- 63. Arthur P. Wolf and Theo Engelen, 'Fertility and Fertility in Pre-Revolutionary China', <u>Journal of Interdisciplinary History</u>, 38:3 (Winter 2008), 345-75. Very relevant to the debate about the European Marriage Pattern, in early-modern Europe.

- * 64. Tine de Moor and Jan Luiten Van Zanden, 'Girl Power: the European Marriage Pattern and Labour Markets in the North Sea Region in the Late Medieval and Early Modern Period', <u>The Economic History Review</u>, 2nd ser., 63:1 (February 2010), 1-33.
- * 65. James Foreman-Peck, 'The Western European Marriage Pattern and Economic Development', Explorations in Economic History, 48:2 (April 2011), 292-309.
- * 66. Marc P. Bl. Klemp, 'Prices, Wages, and Fertility in Pre-Industrial England', <u>Cliometrica</u>, 6 (2012), 63-77.

E. <u>The Demographic Role of Climatic and Ecological Changes</u>

- 1. Gustav Utterstrom, 'Climatic Fluctuations and Population Problems in Early Modern History', <u>Scandinavian Economic History Review</u>, 3 (1955), 30-47. The article that sparked the debate, and attacked by Le Roy Ladurie (1971, 1972). Use with care, since Utterstrom is largely anecdotal.
- 2. E. L. Jones, <u>Seasons and Prices: The Role of Weather in English Agricultural History</u> (London, 1964).
- * 3. Emmanuel Le Roy Ladurie, <u>Times of Feast</u>, <u>Times of Famine</u>: <u>A History of Climate since</u> <u>the Year 1000</u> (New York, 1971). Impressive, but less useful than it sounds.
- Emmanuel Le Roy Ladurie, 'History and Climate', in Peter Burke, ed., <u>The Economy and</u> <u>Society in Early Modern Europe: Essays from Annales</u> (London, 1972), pp. 134-69.
 - John A. Eddy, 'The 'Maunder Minimum': Sunspots and Climate in the Reign of Louis XIV', <u>Science</u>, 92 (1976), 1189 - 1202. Republished in Geoffrey Parker and Lesley Smith, eds., <u>The General Crisis of the Seventeenth Century</u> (London, 1978), pp. 226-68. See also Parker's introduction, pp. 6-12.
 - Victor H. Skipp, <u>Crisis and Development: An Ecological Case Study of the Forest of Arden</u>, 1570 - 1674 (Cambridge, 1978).
- Robert Rotberg and Theodore K. Rabb, eds., <u>Climate and History: Studies in</u> <u>Interdisciplinary History</u>: special issue of <u>Journal of Interdisciplinary History</u>, 10 (Spring 1980), No. 4. Reissued in book form (Princeton, 1981):
 - (a) Jan De Vries, 'Measuring the Impact of Climate on History', pp. 19-50.
 - (b) Andrew Appleby, 'Epidemics and Famine in the Little Ice Age', pp. 63-84.
 - (c) Christian Pfister, 'The Little Ice Age: Thermal and Wetness Indices for Central Europe', pp. 85-116.
 - (d) John Eddy, 'Climate and the Role of the Sun', pp. 145-68.
 - 8. J.L. Anderson, 'Climate Change in European Economic History', <u>Research in Economic History</u>, 6 (1981), 1-34.
 - John D. Post, 'Climatic Change and Historical Discontinuity', <u>Journal of Interdisciplinary</u> <u>History</u>, 14 (Summer 1983), 153-60. [A review article].
 - 10. John D. Post, 'Climatic Variability and the European Mortality Wave of the Early 1740s', Journal of Interdisciplinary History, 15 (Summer 1984), 1-30.

- 11. John D. Post, <u>Food Shortage, Climatic Variability, and Epidemic Disease in Preindustrial</u> <u>Europe: The Mortality Peak in the 1740s</u> (Ithaca, 1985).
- 12. P. R. Galloway, 'Annual Variations in Deaths by Age, Deaths by Cause, Prices, and Weather in London, 1670 to 1830', <u>Population Studies</u>, 39 (1985), 487-505.
- 13. David E. Davis, 'The Scarcity of Rats and the Black Death: An Ecological History', Journal of Interdisciplinary History, 16 (Winter 1986), 455-70.
- 14. H. H. Lamb, Weather, Climate, and Human Affairs (London, 1988).
- 15. J. M. Grove, <u>The Little Ice Age</u> (London, Methuen, 1988).
- 16. Mark Overton, 'Weather and Agricultural Change in England, 1660-1739', <u>Agricultural History</u>, 63 (1989), 77-88.
- 17. H.H. Lamb, Climate, History and the Modern World, 2nd edn. (London: Routledge, 1995).
 - 18. Brian Fagan, <u>The Little Ice Age: How Climate Made History</u> (New York: Basic Books, 2000).

See: T.C. Smout's negative review: , in <u>Journal of Early Modern History: Contacts</u>, <u>Comparison, Contrasts</u>, 6:3 (2002), 339: 'Not highly recommended either for the University Library or for uncle at Christmas'.

- Jörg Baten, 'Climate, Grain Production and Nutritional Status in Southern Germany During the XVIIIth Century', <u>The Journal of European Economic History</u>, 30:1 (Spring 2001), 9 - 47.
- 20. Neville Brown, <u>History and Climate Change: A Eurocentric Perspective</u> (New York: Routledge, 2001).
- 21. Craig Loehle, 'A 2000-Year Global Temperature Reconstruction Based on Non-Tree Ring Proxies', <u>Energy and Environment</u>, 18: 7-8 (2007), 1049 -1058.
- Craig Loehle and J. Huston McCulloch, 'Correction to: A 2000-Year Global Temperature Reconstruction Based on Non-Tree Ring Proxies', <u>Energy and Environment</u>, 19:1 (2008), 93-100.
- * 23. T. C. Smout, <u>Exploring Environmental History: Selected Essays</u> (Edinburgh: Edinburgh University Press, 2009).

F. Mortality Issues: Harvests, Famine, Nutrition, and Disease

- W. G. Hoskins, 'Harvest Fluctuations and English Economic History, 1480-1619', <u>Agricultural History Review</u>, 2 (1953-54), 28-46; reprinted in W. E. Minchinton, ed., <u>Essays in Agrarian History</u> (1968), Vol. I, pp. 93-116.
- 2. L. Fabian Hirst, <u>The Conquest of the Plague</u> (Oxford, 1953).
- 3. R. Pollitzer, <u>Plague</u> (World Health Organization, Geneva, 1954).
- 4. F.J. Fisher, 'Inflation and Influenza in Tudor England', <u>Economic History Review</u>, 2nd ser. 18 (1965), 120-29.

- G. B. Masefield, 'Crops and Livestock', in E.E. Rich and Charles Wilson, eds., <u>Cambridge</u> <u>Economic History of Europe</u>, Vol. IV: <u>16th and 17th Centuries</u> (Cambridge, 1967), pp. 276-87, 299-307.
- 6. J.F.D. Shrewsbury, <u>A History of the Bubonic Plague in the British Isles</u> (Cambridge, 1970).
- 7. R. B. Outhwaite, 'Dearth and Government Intervention in English Grain Markets, 1590-1700', Economic History Review, 34 (1971), 389-406.
- * 8. Fernand Braudel, <u>The Mediterranean and the Mediterranean World in the Age of Phillip II</u>, Vol. I (1972), Part I. iv, 'Climate and History', pp. 231-75.
 - 9. Frederick Cartwright, <u>Disease and History</u> (New York, 1972).
- 10. Andrew Appleby, 'Disease or Famine? Mortality in Cumberland and Westmorland, 1580-1640', Economic History Review, 2nd ser. 26 (1973), 403-32.
 - 11. Carlo Cipolla, 'The Plague and Pre-Malthus Malthusians', <u>Journal of European Economic</u> <u>History</u>, 3 (1974), 277-84.
 - 12. Michael Flinn, 'The Stabilisation of Mortality in Pre-Industrial Western Europe', <u>Journal of</u> <u>European Economic History</u>, 3 (1974), 285-318.
- * 13. Andrew Appleby, 'Nutrition and Disease: The Case of London, 1550 1750', <u>Journal of Interdisciplinary History</u>, 6 (Summer 1975), 1-22.
 - 14. David Loschky, 'Economic Change, Mortality, and Malthusian Theory', <u>Population Studies</u>, 30 (1975), 439-52.
 - 15. J. N. Biraben, <u>Les hommes et la peste en France et dans les pays européens et méditerranées</u>, 2 vols. (Paris and The Hague, 1975-76).
 - 16. William MacNeill, <u>Plagues and Peoples</u> (New York, 1976), Chapters 4-6.
- * 17. J. D. Post, 'Famine, Mortality, and Epidemic Disease in the Process of Modernization', <u>Economic History Review</u>, 2nd ser. 29 (1976), 14-37.
 - Carlo Cipolla, <u>Faith, Reason, and the Plague in Seventeenth-Century Tuscany</u>, trans. Muriel Kittel (1977; English edn. New York, 1979).
 - 19. Andrew Appleby, 'Famine, Mortality, and Epidemic Disease: A Comment', <u>Economic History Review</u>, 2nd ser. 30 (1977), 508-12.
 - 20. Allan Sharlin, 'Natural Decrease in Early Modern Cities: A Reconsideration', <u>Past and</u> <u>Present</u>, No. 79 (May 1978), 126-38.
 - 21. Andrew Appleby, 'Disease, Diet, and History', Journal of Interdisciplinary History, 8 (Spring 1978), 725-35.
- * 22. Andrew Appleby, <u>Famine in Tudor and Stuart England</u> (Stanford, 1978).
- ** 23. Andrew Appleby, 'Grain Prices and Subsistence Crises in England and France, 1590-1740', Journal of Economic History, 29 (1979), 865-87.
 - 24. Andrew Appleby, 'Crises of Mortality: Periodicity, Intensity, Chronology and Geographical Extent', in H. Charbonneau and A. Larose, eds., <u>The Great Mortalities:</u>

Methodological Studies of Demographic Crises in the Past (Liège, 1979), pp. 283-94.

- 25. Andrew Appleby, 'Diet in Sixteenth-Century England: Sources, Problems, Possibilities', in C. Webster, ed., <u>Health, Medicine and Mortality in the Sixteenth Century</u>, Cambridge: Cambridge University Press, 1979, pp. 97-116.
- * 26. Michael Flinn, 'Plague in Europe and the Mediterranean Countries', <u>Journal of European</u> <u>Economic History</u>, 8 (1979), 131-48. A review article of Biraben (1975-76).
- * 27. Andrew Appleby, 'Epidemics and Famine in the Little Ice Age', <u>Journal of Interdisciplinary</u> <u>History</u>, 10 (1980), 643-63.
- * 28. Andrew Appleby, 'The Disappearance of the Plague: A Continuing Puzzle', <u>Economic</u> <u>History Review</u>, 2nd ser., 33:1 (February 1980), 161-73.
- * 29. Wilhelm Abel, <u>Agricultural Fluctuations in Europe from the Thirteenth to the Twentieth</u> <u>Centuries</u> (trans. Olive Ordish, London, 1980), Chapter 4: 'Farming and the Standard of Living in the Sixteenth Century', pp. 99-146.
 - 30. R.B. Outhwaite, 'Dearth and Government Intervention in English Grain Markets, 1590 1700', <u>Economic History Review</u>, 2nd ser., 33 (1981).
 - 31. Paul Slack, 'The Disappearance of the Plague: An Alternative View', <u>Economic History</u> <u>Review</u>, 2nd ser. 34:3 (August 1981), 469-76.
 - 32. Roger Finlay, 'Natural Decrease in Early Modern Cities', and:

Allan Sharlin, 'Natural Decrease in Early Modern Cities: A Rejoinder', both in:

Past and Present, No. 92 (Aug. 1981), 169-74, and 175-80.

- 33. Robert S. Gottfried, <u>The Black Death: Natural and Human Disaster in Medieval Europe</u> (New York and London, 1983). To be used with care.
- T. S. McKeown, 'Food, Infection, and Population', <u>Journal of Interdisciplinary History</u>, 14 (1983), 227-47.
- 35. Stephen J. Kunitz, 'Speculations on the European Mortality Decline', <u>The Economic History</u> <u>Review</u>, 2nd ser. 36 (Aug. 1983), 349-64.
- 36. Paul Slack, <u>The Impact of Plague in Tudor and Stuart England</u> (London, 1985).
- 37. Stephen R. Ell, 'Iron in Two Seventeenth-Century Plague Epidemics', <u>Journal of</u> <u>Interdisciplinary History</u>, 15 (Winter 1985), 445-57.
- John Komlos, 'Stature and Nutrition in the Habsburg Monarchy: The Standard of Living and Economic Development in the Eighteenth Century', <u>American Historical</u> <u>Review</u>, 90 (1985), 1149 - 61.
- Robert I. Rotberg and Theodore K. Rabb, eds., <u>Hunger and History: The Impact of Changing Food Production and Consumption Patterns on Society</u> (Cambridge University Press, 1985).
- 40. P. R. Galloway, 'Annual Variations in Deaths by Age, Deaths by Cause, Prices, and Weather in London, 1670 to 1830', <u>Population Studies</u>, 39 (1985), 487-505.

- 41. James Riley and George Alter, 'Mortality and Morbidity: Measuring Ill Health Across Time', in Robert Fogel, ed., <u>Long-Term Changes in Nutrition and the Standard of</u> <u>Living</u>, Ninth International Economic History Congress (Bern, 1986), pp. 97 - 106.
- 42. David E. Davis, 'The Scarcity of Rats and the Black Death: An Ecological History', Journal of Interdisciplinary History, 16 (Winter 1986), 455-70.
- 43. O. J. Benedictow, 'Morbidity in Historical Plague Epidemics', <u>Population Studies</u>, 41 (1987), 401-31. Concerns chiefly post-1600 plagues.
- 44. David Loschky and Maw Lin Lee, 'Malthusian Population Oscillations', <u>Economic Journal</u>, 97 (1987), 727-39.
- 45. James Riley, 'Disease Without Death: New Sources for a History of Sickness', <u>Journal of</u> <u>Interdisciplinary History</u>, 17 (Winter 1987), 537-63.
- 46. Thomas McKeown, <u>The Origins of Human Disease</u> (New York, 1988)
- 47. John Walter and Roger Schofield, eds., <u>Famine, Disease, and the Social Order in Early</u> <u>Modern Society</u> (Cambridge: Cambridge University Press, 1989).
 - (a) John Walter and Roger Schofield, 'Famine, Disease and Crisis Mortality in Early Modern Society', pp. 1 73.
 - (b) John Walter, 'The Social Economy of Dearth in Early Modern England', pp. 75 128.
 - (c) Keith Wrightson and David Levine, 'Death in Whickham', pp. 129 65.
 - (d) Paul Slack, 'The Response to Plague in Early Modern England: Public Policies and their Consequences', pp. 167 87.
 - (e) Jacques Dupâquier, 'Demographic Crises and Subsistence Crises in France, 1650 1725', pp. 189 199.
 - (f) David R. Weir, 'Markets and Mortality in France, 1600 1789', pp. 201 34.
 - (g) E. A. Wrigley, 'Some Reflections on Corn Yields and Prices in Pre-Industrial Economies', pp. 235 78.
 - (h) Roger Schofield, 'Family Structure, Demographic Behaviour, and Economic Growth', pp. 279 304.
- 48. Mary Kilbourne Matossian, <u>Poisons of the Past: Molds, Epidemics, and History</u> (New Haven: Yale University Press, 1989).
- 49. J. A. Dills, 'Epidemics, Mortality, and the Civil War in Berkshire, 1642-6', <u>Southern</u> <u>History</u>, 11 (1989), 40 - 52.
- 50. J. C. Riley, <u>Sickness, Recovery and Death: A History and Forecast of Ill Health</u> (London: Macmillan, 1989).
- 51. John Komlos, <u>Nutrition and Economic Development in the Eighteenth-Century Habsburg</u> <u>Monarchy: An Anthropometric History</u> (Princeton, 1989).

- 52. John Komlos, 'Height and Social Status in Eighteenth-Century Germany', <u>Journal of</u> <u>Interdisciplinary History</u>, 20 (Spring 1990), 607 - 22. For methodology and comparative analysis.
- James C. Riley, 'Working Health Time: A Comparison of Preindustrial, Industrial, and Postindustrial Experience in Life and Health', <u>Explorations in Economic History</u>, 28 (April 1991), 169 - 91.
- 54. Massimo Livi-Bacci, <u>Population and Nutrition: An Essay on European Demographic</u> <u>History</u>, trans. by Tania Croft-Murray, (Cambridge: Cambridge University Press, 1991).
- R. B. Outhwaite, <u>Dearth, Public Policy and Social Disturbance in England, 1550 1800</u>, New Studies in Economic and Social History 14 (London: Macmillan, 1991; reissued Cambridge University Press, 1995).
- 56. Robert W. Fogel, 'The Conquest of High Mortality and Hunger in Europe and America: Timing and Mechanisms', in Patrice Higonnet, David S. Landes, and Henry Rosovsky eds., <u>Favorites of Fortune: Technology, Growth, and Economic</u> <u>Development since the Industrial Revolution</u> (Cambridge, MA: Harvard University Press. (1991), pp. 33–71.
- 57. C. Geissler, and David Oddy, eds., <u>Food, Diet and Economic Change Past and Present</u> (Leicester University Press, 1992).
- 58. Carlo Cipolla, <u>Miasmas and Disease: Public Health and the Environment in the Pre-</u> <u>Industrial Age</u> (New Haven: Yale University Press, 1992).
- 59. John S. Moore, 'Jack Fisher's 'Flu': a Visitation Revisited', <u>Economic History Review</u>, 2nd ser., 46:2 (May 1993), 280-307.
- 60. David Loschky and Ben D. Childers, 'Early English Mortality', <u>Journal of Interdisciplinary</u> <u>History</u>, 24:1 (Summer 1993), 85 - 97.
- 61. John Landers, <u>Death and the Metropolis: Studies in the Demographic History of London</u>, <u>1670 - 1830</u>, Cambridge Studies in Population, Economy, and Society in Past Time no. 20 (Cambridge: Cambridge University Press, 1993).
- 62. Barbara Harvey, <u>Living and Dying in England</u>, <u>1100 1540</u> (Oxford: Oxford University Press, 1993).
- 63. Hugo Kupferschmidt, <u>Die Epidemiologie der Pest: Der Konzeptwandel in der Erforschung</u> <u>der Infektionsketten seit der Entdeckung des Pesterregers im Jahre 1894</u> (Aaruu, Verlag Sauerländer, 1993).
- 64. E. A. Wrigley, 'Mortality and the European Marriage Pattern System', in Catherine Geissler and Derek Oddy, eds., <u>Food, Diet, and Economic Change, Past and Present</u> (Leicester: Leicester University Press, 1993), pp. 35-49.
- 65. James C. Riley, 'Height, Nutrition, and Mortality Risk Reconsidered', <u>Journal of</u> <u>Interdisciplinary History</u>, 24:3 (Winter 1994), 465-92.
- 66. Michael Zell, 'Fisher's 'Flu and Moore's Probates: Quantifying the Mortality Crisis of 1556-1560', <u>Economic History Review</u>, 2nd ser., 47:2 (May 1994), 354-58.
- 67. John S. Moore, 'Jack Fisher's 'Flu: A Virus Still Virulent', Economic History Review, 2nd

ser., 47:2 (May 1994), 359-61.

- 68. Kenneth J. Carpenter, <u>Protein and Energy</u> (Cambridge and New York: Cambridge University Press, 1994).
- 69. Patrick R. Galloway, 'Secular Changes in the Short-Term Preventive, Positive, and Temperature Checks to Population Growth in Europe, 1460 to 1909', <u>Climatic Change</u>, 26:1 (Jan. 1994), 3-63.
- 70. John Komlos, ed., <u>The Biological Standard of Living on Three Continents: Further</u> <u>Explorations in Anthropometric History</u> (Boulder, San Francisco, and Oxford: Westview Press, 1995).
- Roy Porter, <u>Disease, Medicine and Society in England, 1550 1860</u>, 2nd edn., New Studies in Economic and Social History no. 3 (Cambridge and New York: Cambridge University Press, 1995).
- 72. Mary Dobson, <u>Contours of Death and Disease in Early Modern England</u>, Cambridge Studies in Population, Economy and Society in Past Time no. 29 (Cambridge and New York: Cambridge University Press, 1996).
- 73. A. Lynne Martin, <u>Plague?</u> Jesuit Accounts of Epidemic Disease in the Sixteenth Century (Kirksville, MO: Sixteenth-Century Journal Publishers, 1996).
- 74. Walter Bauernfeind and Ulrich Woitek, 'Agrarian Cycles in Germany, 1339 1670: A Spectral Analysis of Grain Prices and Output in Nuremberg', <u>Explorations in Economic History</u>, 33:4 (Oct. 1996), 459-78.
- 75. E. A. Wrigley, R.S. Davies, J.E. Oeppen, and R. S. Schofield, <u>English Population History</u> <u>from Family Reconstitution</u>, Cambridge Studies in Population, Economy and Society in Past Time no. 32 (Cambridge and New York: Cambridge University Press, 1997).
- 76. Jon Arzibalaga, <u>The Great Pox: The French Disease in Renaissance Europe</u> (New Haven and London: Yale University Press, 1997).
- 77. Jared Diamond, <u>Guns, Germs, and Steel: The Fates of Human Societies</u> (New York: W.W. Norton, 1997).

**

- 78. Sheldon Watts, <u>Epidemics and History: Disease, Power, and Imperialism</u> (New Haven and London: Yale University Press, 1998).
- 79. Noble David Cook, <u>Born to Die: Disease and New World Conquest</u> (Cambridge and New York: Cambridge University Press, 1998).
- Susan Scott and Christopher J. Duncan, <u>Human Demography and Disease</u> (Cambridge and New York: Cambridge University Press, 1998).
- 81. Ralph Houlbrooke, <u>Death, Religion, and the Family in England, 1480 1750</u> (Oxford and New York: Oxford University Press, 1998).
- Susan Scott, S.R. Duncan, and C.J. Duncan, 'The Origins, Interactions and Causes of the Cycles in Grain Prices in England, 1450 - 1812', <u>Agricultural History Review</u>, 46:1 (1998), 1 - 14.
- 83. Richard Easterlin, 'How Beneficent is the Market? A Look at the Modern History of

Mortality', <u>European Review of Economic History</u>, 3:3 (December 1999), 257-94. Covers the period from the 16th to 20th centuries.

- 84. Jona Schellkens, 'Economic Change and Infant Mortality in England, 1580 1837', Journal of Interdisciplinary History, 32:1 (Summer 2001), 1-13.
- 85. Peter Razzell, 'Did Smallpox Reduce Height? A Final Comment', <u>The Economic History</u> <u>Review</u>, 2nd ser., 54:1 (February 2001), 108-109.
- 86. Timothy Leunig and Hans-Joachim Voth, 'Smallpox Really Did Reduce Height: a Reply to Razzell', <u>The Economic History Review</u>, 2nd ser., 54:1 (February 2001), 110-14.
- Jörg Baten, 'Climate, Grain Production and Nutritional Status in Southern Germany During the XVIIIth Century', <u>The Journal of European Economic History</u>, 30:1 (Spring 2001), 9 - 47.
- 88. Roy Porter, <u>Disease, Death, and Doctors in Britain, 1650 1900</u> (Ithaca: Cornell University Press, 2001).
- 89. Bruce S. Fetter, 'History and Health Sciences: Medical Advances Across the Disciplines', Journal of Interdisciplinary History, 32:3 (Winter 2002), 423-42. A review essay:
- 90. Tim Dyson and Cormac Ó Gráda, eds., <u>Famine and Demography: Perspectives from the Past</u> and Present (Oxford and New York: Oxford University Press, 2002).
- 91. Andrea Rusnock, <u>Vital Accounts: Quantifying Health and Population in Eighteenth-Century</u> <u>England and France</u> (Cambridge and New York: Cambridge University Press, 2002).
- 92. Vanessa Harding, <u>The Dead and the Living in Paris and London, 1500 1670</u> (Cambridge and New York: Cambridge University Press, 2002).
- 93. Deborah Oxley, ' "The Seat of Death and Terror:" Urbanization, Stunting, and Smallpox', <u>The Economic History Review</u>, 2nd ser., 56:4 (November 2003), 623-56.
- 94. Tommy Brengtsson, Cameron Campbell, James Z. Lee, et al., <u>Life Under Pressure:</u> <u>Mortality and Living Standards in Europe and Asia, 1700 - 1900</u> (London and Cambridge, Mass.: MIT Press, 2004).
- 95. Nikola Koepke and Joerg Baten, 'The Biological Standard of Living in Europe during the last Two Millenia', <u>European Review of Economic History</u>, 9:1 (April 2005), 61-96.
- 96. Ethne Barnes, <u>Disease and Human Evolution</u> (Albuquerque: University of New Mexico Press, 2005).
- 97. Pamela Nightingale, 'Some New Evidence of Crises and Trends of Mortality in Late Medieval England', <u>Past & Present</u>, no. 187 (May 2005), pp. 33-68.
 - 98. Kevin Siean, ed., <u>Sins of the Flesh: Responding to Sexual Disease in Early Modern Europe</u> (Toronto: Centre for Renaissance and Reformation Studies, 2005).
- * 99. John Hatcher, A. J. Piper, and David Stone, 'Monastic Mortality: Durham Priory, 1395 1539', <u>The Economic History Review</u>, 2nd ser., 59:4 (November 2006), 667-687.
 - 100. Richard D. Oram, "It cannot be decernit quha are cléan and quha are foulle": Responses

		to Epidemic Disease in Sixteenth- and Seventeenth-Century Scotland', <u>Renaissance and Reformation/Renaissance et réforme</u> , 30:4 (Fall 2006-07), 13-39. Special issue: <u>Transformative Disorder: Scotland 1550 - 1650</u> .
*	101.	John Theilmann and Frances Cate, 'A Plague of Plagues: The Problem of Plague Diagnosis in Medieval England', <u>Journal of Interdisciplinary History</u> , 37:3 (Winter 2007), 371- 93: a review article.
*	102.	Samuel K. Cohn, Jr., and Guido Alfani, 'Households and Plague in Early Modern Italy', Journal of Interdisciplinary History, 38:2 (Autumn 2007), 177-205.
	103.	Emily Cockayne, <u>Hubbub: Filth, Noise & Stench in England, 1600 - 1770</u> (New Haven and London: Yale University Press, 2007).
*	104.	Robert Woods, 'Ancient and Early Modern Mortality: Experience and Understanding', <u>The</u> <u>Economic History Review</u> , 2 nd ser., 60:2 (May 2007), 373-99.
*	105.	Jeffrey Wagner, David Loschky, and Charles McDaniel, 'Real Income and Mortality in a Household Production Model: English Mortality from 1541 to 1871', <u>The Journal</u> of European Economic History, 36:1 (Spring 2007), 47-69.
*	106.	Peter Razzell, <u>Population and Disease: Transforming English Society</u> , <u>1550 - 1850</u> (London: Caliban Books, 2007). A collection of his previously published essays.
	107.	Steve Hindle, 'Dearth and the English Revolution: the Harvest Crisis of 1647-50', <u>The Economic History Review</u> , 2 nd ser., 61: No. S1 (August 2008): <u>Special Issue:</u> <u>Feeding the Masses</u> , ed. Steve Hindle and Jane Humphries, pp. 64-98,
*	108.	Anne E. C. McCants, 'Historical Demography and the Crisis of the Seventeenth Century', <u>The Journal of Interdisciplinary History</u> , 40:2 (Autumn 2009): special issue: <u>The</u> <u>Crisis of the Seventeenth Century: Interdisciplinary Perspectives</u> , pp. 195-214.
	109.	Trevor D. Logan, 'The Transformation of Hunger: the Demand for Calories Past and Present', Journal of Economic History, 69:2 (June 2009), 388-408.
	110.	Mark Dawson, <u>Plenti and Grase: Food and Drink in a Sixteenth-Century Household</u> (Totnes: Prospect Books, 2009).
	111.	Robert Woods, <u>Death Before Birth: Fetal Health and Mortality in Historical Perspective</u> (Oxford and New York: Oxford University Press, 2009).
	112.	Ole J. Benedictow, <u>What Disease was Plague? On the Controversy over the Microbiological</u> <u>Identity of Plague Epidemics of the Past</u> , Brill's Series in the History of the Environment, no. 2 (Leiden: Brill, 2010).
*	113.	R. W. Hoyle, 'Famine as Agricultural Catastrophe: the Crisis of 1622-4 in East Lancashire', <u>The Economic History Review</u> , 2 nd ser., 63:4 (November 2010), 974- 1002.
	114.	Karen J. Cullen, <u>Famine in Scotland: the 'Ill Years' of the 1690s</u> (Edinburgh: Edinburgh University Press, 2010).

G. <u>Population, Prices, Wages, and Purchasing-Power: The Standard of Living Controversy of the</u> <u>16th and 17th Centuries</u>

- James E. Thorold, A History of Agriculture and Prices in England, from the year after the 1. Oxford Parliament (1259) to the Commencement of the Continental War (1793): Compiled Entirely from Original and Contemporaneous Records, 7 vols. (Oxford, 1866-1902): Vol. III - V: 1401-1582 (Oxford, 1881-87); Vol. VI: 1583-1702 (1887). The original and still classic study on English prices and wages; but to be used with some care, because of his sampling methods.
- 2. Earl Hamilton, 'American Treasure and Andalusian Prices, 1503-1660: A Study in the Spanish Price Revolution', Journal of Economic and Business History, 1 (1928), reprinted in P.H. Ramsey, ed., The Price Revolution in Sixteenth-Century England (London, 1971), pp. 147-81.
- Earl Hamilton, <u>American Treasure and the Price Revolution in Spain, 1501-1650</u> (Cambridge, Mass., 1934; reissued 1965). Chapter XII: 'Wages: Money and Real', 3. pp. 262-82. See also the Appendices (pp. 309-403), with statistical tables on prices and wages.
- 4. John Nef, 'Prices and Industrial Capitalism in France and England, 1540-1640', Economic History Review, 1st Ser. 7 (1937), reprinted in E.M. Carus-Wilson, ed., Essays in Economic History, Vol. I (London, 1954), pp. 108-34. Inspired by and written in opposition to the publications of Hamilton, above.
- 5. William H. Beveridge, ed., Prices and Wages in England, Vol. I: The Mercantile Era (London, 1939; reissued 1965). Note: no other volumes in this proposed series have ever been issued. Many of the price series in Vol. I commence after the 16th century. The prices and wages given here are much more reliable than those in Thorold Rogers.
- 6. E.H. Phelps Brown and Sheila V. Hopkins, 'Seven Centuries of Building Wages', Economica, 22 (August 1955), reprinted in E.M. Carus-Wilson, ed., Essays in Economic History, Vol. II (London, 1962), pp. 168-78. Reprinted also in E.H. Phelps Brown and Sheila V. Hopkins, A Perspective of Wages and Prices (London, 198Î).
- 7. E.H. Phelps Brown and S.V. Hopkins, 'Seven Centuries of the Prices of Consumables Compared with Builders' Wage-Rates', Economica, 23 (Nov. 1956), reprinted in the following:

a) E.M. Carus-Wilson, ed., Essays in Economic History, Vol. II (London, 1962), pp. 179-96;

b) Peter Ramsey, ed., The Price Revolution (London, 1971), pp. 18-41.

c) E.H. Phelps Brown and Sheila V. Hopkins, A Perspective of Wages and Prices (London, 1981), containing additional statistical appendices not provided in the original publication, or in earlier reprints.

- ** 8. David Felix, 'Profit Inflation and Industrial Growth: The Historic Record and Contemporary Analogies', <u>Quarterly Journal of Economics</u>, 70 (1956), 441-63, reprinted in Roderick Floud, ed., <u>Essays in Quantitative Economic History</u> (Oxford, 1974), pp. 133-51. An attack on Hamilton, while also modifying Nef.
- ** 9. E.H. Phelps Brown and S.V. Hopkins, 'Wage-Rates and Prices: Evidence of Population Pressure in the Sixteenth Century', Economica, 24 (Nov. 1957), 289-305. Reprinted in E.H. Phelps Brown and Sheila V. Hopkins, A Perspective of Wages and Prices (London, 1981).

**

**

- 10. E.H. Phelps Brown and S.V. Hopkins, 'Builders' Wage Rates, Prices, and Population: Some Further Evidence', Economica, 26 (Feb. 1959), 18-38. Reprinted in E.H. Phelps Brown and Sheila V. Hopkins, A Perspective of Wages and Prices (London, 198Î).
- 11. E.H. Phelps Brown and S.V. Hopkins, 'Seven Centuries of Wages and Prices: Some Earlier Estimates', Economica, 28 (Feb. 1961). Reprinted in E.H. Phelps Brown and Sheila V. Hopkins, <u>A Perspective of Wages and Prices</u> (London, 1981).
- 12. Herman Van der Wee, Growth of the Antwerp Market and the European Economy, 14th to 16th Centuries, 3 Vols. (The Hague, 1963). Vol. I: Statistics; Vol. II: Interpretation, 374-427; and Vol. III: Graphs.
 - 13. Peter Bowden, 'Agricultural Prices, Farm Profits, and Rents', in Joan Thirsk, ed., The Agrarian History of England and Wales, IV: 1500-1640 (Cambridge, 1967), pp. 593-695. This has now been reprinted (and extended up to 1750) in:
 - Peter Bowden, ed., Economic Change: Wages, Profits, and Rents, 1500 1750 (Cambridge University Press, 1990).
- 14. Charles Verlinden, et al., 'Price and Wage Movements in Belgium in the Sixteenth Century', in Peter Burke, ed., Economy and Society in Early Modern Europe (London, 1972), pp. 55-84.
 - 15. R.D. Lee, 'Population in Pre-Industrial England: An Econometric Analysis', Quarterly Journal of Economics, 86 (1973), 581-607.
 - 16. Robert Doughty, 'Industrial Prices and Inflation in Southern England, 1401-1640', Explorations in Economic History, 12 (1975), 177-92.
 - 17. John Munro, 'The Purchasing Power of Coins and of Wages in England and the Low Countries from 1500 to 1514', in R.A.B. Mynors, et al, eds., <u>The Correspondence</u> of Erasmus, Vol. II <u>A.D. 1501-1514</u> (Toronto, 1975), pp. 307-45.
- 18. Herman Van der Wee, 'Prices and Wages as Development Variables: A Comparison between England and the Southern Netherlands, 1400-1700', Acta Historiae Neerlandicae, 10 (1978), 58-78, republished in Herman Van der Wee, The Low Countries in the Early Modern World, Variorum (Aldershot, 1993), pp. 223-41. Original version published as: 'Prijzen en lonen als ontwikkelingsvariabelen: Een vergelijkend onderzoek tussen Engeland en de Zuidelijke Nederlanden, 1400 -1700', in Jan Craeybecks, ed., Album offert à Charles Verlinden à l'occasion de ses trente ans de professoriat (Wetteren: Universum, 1975), pp. 413-35. Only the original Dutch publication contains tables with the annual price and wage data.
 - 19. Jan De Vries, 'An Inquiry into the Behaviour of Wages in the Dutch Republic and the Southern Netherlands, 1580-1800', Acta Historiae Neerlandicae, 10 (1978), 79-97.
- ** 20. Wilhelm Abel, Agrarkrisen und Agrarkonjunktur, 3rd edn. (Berlin, 1978). Translated by Olive Ordish and reissued as Agricultural Fluctuations in Europe from the Thirteenth to the Twentieth Centuries (London, 1980). Chapter 4: 'Farming and the Standard of Living in the Sixteenth Century', pp. 99-146.
- * David Loschky, 'Seven Centuries of Real Income per Worker Reconsidered', Economica, 21. 47 (1980), 459 - 65.
- 22. Donald Woodward, 'Wage Rates and Living Standards in Pre-Industrial England', Past and Present, No. 91 (May 1981), 28-46.
- ** 23. Peter Lindert, 'English Living Standards, Population Growth, and Wrigley-Schofield',

**

Explorations in Economic History, 20:2 (April 1983), 131-55.

- 24. Martha Olney, 'Fertility and the Standard of Living in Early-Modern England: In Consideration of Wrigley and Schofield', Journal of Economic History, 43 (Mar. 1983), 71-88.
- 25. Carole Shammas, 'Food Expenditures and Economic Well Being in Early Modern England', <u>The Journal of Economic History</u>, 43 (Mar. 1983), 89-100.
- * 26. Roger Schofield, 'The Impact of Scarcity and Plenty on Population Change in England, 1541-1871', Journal of Interdisciplinary History, 14 (Autumn 1983), 165-91.
- * 27. Peter Lindert, 'English Population, Wages, and Prices: 1541-1913', <u>Journal of</u> <u>Interdisciplinary History</u>, 15:3 (Spring 1985), 609-34.
- * 28. E. Schokkaert and Herman Van der Wee, 'A Quantitative Study of Food Consumption in the Low Countries During the Sixteenth Century', <u>Journal of European Economic</u> <u>History</u>, 17 (Spring 1988), 131 - 58.
 - P. Galloway, 'Basic patterns in Annual Variations in Fertility, Nuptiality, Mortality, and Prices in Pre-Industrial Europe', <u>Population Studies</u>, 42 (1988), 275-304.
 - Steve Rappaport, <u>Worlds Within Worlds: Structures of Life in Sixteenth-Century London</u> (Cambridge University Press, 1989).
 - 31. George Grantham, 'Jean Meuvret and the Subsistence Problem in Early Modern France', Journal of Economic History, 49 (March 1989), 184 - 200.
 - 32. Henry Phelps Brown, 'Gregory King's Notebook and the Phelps Brown-Hopkins Price Index', <u>Economic History Review</u>, 2nd ser. 43 (Feb. 1990), 94 103.
 - 33. David Loschky, 'New Perspectives on Seven Centuries of Real Wages', <u>Journal of European</u> <u>Economic History</u>, 21:1 (Spring 1992), 169 - 82.
 - 34. A.J.S. Gibson and T.C. Smout, ed., <u>Prices, Food and Wages in Scotland, 1550-1780</u> (Cambridge: Cambridge University Press, 1994).
 - 35. Jan De Vries, 'An Employer's Guide to Wages and Working Conditions in the Netherlands, 1450 - 1850', in Carol S. Leonard and Boris N. Mironov, eds., <u>Hours of Work and Means of Payment: the Evolution of Conventions in Pre-Industrial Europe/Horaires de travail et modes de paiement: l'évolution des conventions dans l'Europe préindustrielle, Proceedings of the Eleventh International Economic History Congress, Milan, September 1994, Session B.3b (Milan: Università Bocconi, 1994), pp. 47-64.</u>
 - 36. Donald Woodward, 'The Means of Payments and Hours of Work in Early Modern England', in Carol S. Leonard and Boris N. Mironov, eds., <u>Hours of Work and Means of</u> <u>Payment: the Evolution of Conventions in Pre-Industrial Europe/Horaires de travail</u> <u>et modes de paiement: l'évolution des conventions dans l'Europe pré-industrielle</u>, Proceedings of the Eleventh International Economic History Congress, Milan, September 1994, Session B.3b (Milan: Università Bocconi, 1994), pp. 11-22.
 - Donald Woodward, <u>Men at Work: Labourers and Building Craftsmen in the Towns of Northern England, 1450 1750</u>, Cambridge Studies in Population, Economy and Society in Past Time vol. 26 (Cambridge and New York: Cambridge University Press, 1995).

 Maw Lin Lee and David Loschky, 'Interdependency between Fertility and Real Wages in England, 1541 - 1871', <u>The Journal of European Economic History</u>, 27:1 (Spring 1998), 107-31.

- 39. Gerhard Andermann, Heinrich Hockmann, and Günther Schmitt, 'Historical Changes in Land-Labour Relationships in Western Europe', <u>The Journal of European Economic History</u>, 27:2 (Fall 1998), 245-83.
- * 40. Jan Luiten Van Zanden, 'Wages and the Standard of Living in Europe, 1500-1800', European Review of Economic History, 3:2 (August 1999), 175-97.
- 41. Jeremy Boulton, 'Food Prices and the Standard of Living in London in the "Century of Revolution," 1580 - 1700', <u>The Economic History Review</u>, 2nd ser., 53:3 (August 2000), 455-92.
- * 42. Robert Allen, 'The Great Divergence in European Wages and Prices from the Middle Ages to the First World War', <u>Explorations in Economic History</u>, 38:4 (October 2001), 411-47.
- ** 43. Robert C. Allen, 'Progress and Poverty in Early Modern Europe', <u>The Economic History</u> <u>Review</u>, 2nd ser., 56:3 (August 2002), 403-33.
- Philip T. Hoffman, David Jacks, Patricia A. Levin, and Peter H. Lindert, 'Real Inequality in Europe Since 1500', <u>Journal of Economic History</u>, 62:2 (June 2002), 322 - 55.
 - 45. Peter Scholliers and Leonard Schwarz, eds., <u>Experiencing Wages: Social and Cultural</u> <u>Aspects of Wage Forms in Europe Since 1500</u> (New York and Oxford: Berghahn, 2003).
- * 46. Robert C. Allen, Tommy Bengtsson, and Martin Dribe, eds., <u>Living Standards in the Past</u> <u>: New Perspectives on Well-Being in Asia and Europe</u> (Oxford and New York: Oxford University Press, 2005).
 - 47. Gregory Clark, 'Work, Wages and Living Conditions: Building Workers in England from Magna Carta to Tony Blair', in Simonetta Caviococchi, ed., <u>L'Edilizia prima della</u> <u>rivoluzione industriale, secc. XIII-XVIII</u>, Atti delle "Settimana di Studi" e altri convegni, no. 36, Istituto Internazionale di Storia Economica "Francesco Datini" (Florence, 2005), pp. 889-932.
 - 48. Gregory Clark, 'The Condition of the Working Class in England, 1209-2004', <u>Journal of</u> <u>Political Economy</u>, 113:6 (December 2005), 1307-1340.
 - Gregory Clark and Gillian Hamilton, 'Survival of the Richest: The Malthusian Mechanism in Pre-Industrial England', <u>Journal of Economic History</u>, 66:3 (September 2006), 707 - 736.
- * 50. Stephen Broadberry and Bishnupriya Gupta, 'The Early Modern Great Divergence: Wages, Prices and Economic Development in Europe and Asia, 1500-1800', <u>The Economic History Review</u>, 2nd ser., 59:1 (February 2006), 2-31.
- * 51. Gregory Clark, 'The Long March of History: Farm Wages, Population, and Economic Growth: England, 1209-1869', <u>The Economic History Review</u>, 2nd ser., 60:1 (February 2007), 97-135.
- * 52. Şevket Pamuk, 'The Black Death and the Origins of the "Great Divergence" Across Europe, 1300 1600', European Review of Economic History, 11:3 (December 2007), 289-

317.

53. Bruno Blondé and Jord Hanus, 'Beyond Building Craftsmen: Economic Growth and Living Standards in the Sixteenth-Century Low Countries: the case of 's-Hertogenbosch, 1500-1560', European Review of Economic History, 14:2 (August 2010), 179-208.

H. Poverty and Vagrancy in Tudor - Stuart England

- 1. Donald C. Coleman, 'Labour in the English Economy of the Seventeenth Century', <u>Economic History Review</u>, 2nd ser. 8 (1956), reprinted in E.M. Carus-Wilson, ed., <u>Essays in Economic History</u>, Vol. II (London, 1962), pp. 291-308.
- * 2. John Pound, <u>Poverty and Vagrancy in Tudor England</u> (1971), Chapters 1 and 2.
 - 3. Peter Clark and Paul Slack, eds., <u>Crisis and Order in English Towns, 1500-1700</u> (London, 1972), especially P. Clark, 'The Migrant in Kentish Towns, 1580-1640.'
 - 4. W.E. Minchinton, ed., <u>Wage Regulation in Pre-Industrial England</u> (New York, 1972). Essays by Tawney, Minchinton, and Kelsall, especially.
 - 5. Paul Slack, 'Vagrants and Vagrancy in England, 1598-1664', <u>Economic History Review</u>, 2nd ser. 27 (1974), 360-79.
 - 6. A.L. Beier, 'Vagrants and the Social Order in Elizabethan England', <u>Past and Present</u>, No. 64 (1974), 3-29.
 - 7. Andrew Appleby, 'Agrarian Capitalism or Seigneurial Reaction? The North West of England, 1500 1700', <u>American Historical Review</u>, 80 (June 1975), 574-94.
 - 8. Andrew Appleby, 'Common Land and Peasant Unrest in Sixteenth-Century England', <u>Peasant Studies Newsletter</u>, 4 (July 1975), 20-23.
 - 9. John Pound, 'Vagrants and the Social Order in Elizabethan England', with 'Rejoinder' by A. L. Beier, <u>Past and Present</u>, No. 71 (1976), 126-30.
 - 10. Peter Clark, 'Popular Protest and Disturbances in Kent, 1558-1640', <u>Economic History</u> <u>Review</u>, 2nd ser. 29 (1976), 365-82.
 - 11. Peter Clark and Paul Slack, <u>English Towns in Transition, 1500-1700</u> (Oxford, 1976), Chapters 6-8, pp. 54-96.
 - 12. Willem P. Blockmans and Walter Prevenier, 'Poverty in Flanders and Brabant from the Fourteenth to the Mid-Sixteenth Century: Sources and Problems', <u>Acta Historiae</u> <u>Neerlandicae</u>, 10 (1977), 20-57.
 - Catherina Lis and Hugo Soly, <u>Poverty and Capitalism in Pre-Industrial Europe</u> (1979), Chapter 3 (1450-1630). A neo-Marxian analysis, devoted principally to England and the Low Countries.
 - 14. Buchanan Sharp, <u>In Contempt of All Authority: Rural Artisans and Riot in the West of England, 1586-1600</u> (Berkeley, 1980).
 - 15. C.G.A. Clay, <u>Economic Expansion and Social Change: England 1500-1700</u>, 2 vols. (Cambridge, 1984), Vol. I: <u>People, Land and Towns</u>, Chapter 7, 'Society and the Poor', pp. 214-36.

17. Paul Slack, <u>Poverty and Policy in Tudor and Stuart England</u> (London, 1988).

- Paul Slack, <u>The English Poor Law, 1531 1782</u>, Studies in Economic and Social History (London: Macmillan Press, 1990).
- Alan Dyer, <u>Decline and Growth in British Towns, 1400 1600</u>, Studies in Economic and Social History (London: Macmillan Press, 1991; reissued Cambridge University Press, 1995).
- E. A. Wrigley, 'Why Poverty was Inevitable in Traditional Societies', in John A. Hall and I.C. Jarvie, eds., <u>Transition to Modernity: Essays on Power, Wealth and Belief</u> (Cambridge and New York: Cambridge University Press, 1992), pp. 91-110.
- 21. Judith M. Bennett, 'Conviviality and Charity in Medieval and Early Modern England', <u>Past</u> <u>& Present</u>, no. 134 (February 1992), 19-35.
- 22. Peter M. Solar, 'Poor Relief and English Economic Development before the Industrial Revolution', <u>Economic History Review</u>, 2nd ser., 48:1 (February 1995), 122.
- 23. Paul Slack, <u>From Reformation to Improvement: Public Welfare in Early Modern England</u> (Oxford: Clarendon Press, 1999).
- 24. Marjorie K. McIntosh, 'Poverty, Charity, and Coercion in Elizabethan England', <u>Journal of</u> <u>Interdisciplinary History</u>, 35:3 (Winter 2005), 457-80.

QUESTIONS

- 1. When, where, and how did Europe's population begin to recover from the last medieval contractions: in the mid-15th century, late-15th century, or early 16th century? To what extent did Europe's population grow in the course of the later 16th and early 17th centuries? Did it surpass the late-medieval peak (of ca. 1300?)
- 2. If Europe's population did grow larger than ever before, how was Europe able to feed, clothe, and house such a larger population? In particular how was Europe able to sustain a larger urban population than ever before: in more and larger cities? What were the sources and mechanisms for additional food supplies? How important were overseas discoveries and the New World in feeding the Old?
- 3. What sources and what kind of evidence have been utilized to estimate the extent of Europe's population growth in the 16th and 17th centuries? How reliable are the data for England and the continent? In particular, how reliable are wage and price data for estimating population growth?
- 4. Did Europe's population grow to such an extent that Europe began to experience 'Malthusian pressures' (i.e. of overpopulation) by the 17th century? If so, were the population pressures more or less severe than those experienced in the early 14th century? Again, how reliable are wage and price data as evidence for such 'Malthusian pressures': were standards of living for wage-earners depressed in the later 16th century? What happened to real incomes and standards of living of the peasantry, of landowners, of merchants and artisans? To the extent that poverty was a social problem, what factors other than over-population may have been responsible? [See also the readings on Vagrancy].
 - 5. What were the other economic and social consequences of Europe's population growth in the 16th and 17th centuries? How and why did experiences vary in different parts of Europe?
 - 6. In particular what industries seem to have been stimulated by population growth, and which ones were hindered by it? In general, did demographic expansion mean economic expansion and growth?
 - 7. How did population growth encourage producers to economize on scarce resources (those with inelastic supply curves especially): in agriculture and in industry? Why did responses to demographic pressures vary by region and country?
 - 8. How, when, where, and why did Europe's population cease to grow in the 17th century? What roles did famine, disease -- the plague especially -- warfare, limitations on fecundity/fertility play in slowing down or curbing population growth? Why did Germany, Italy, and Spain in particular appear to have suffered severe population losses in the 17th century? What effect did the cessation of demographic expansion have upon general European economic growth?
 - 9. How, when, where, and why did the plague era come to an end in western Europe? In eastern Europe?
 - 10. Why did population begin to grow once more in the 18th century, to constitute the modern 'demographic revolution'?
 - 11. Is there any connection between climatic and demographic changes? What relationships, if any, are to be found between/among climate, the harvest, famine and malnutrition, disease and mortality, average age of first marriage, fecundity and live birth rates?
- * 12. What is Hajnal's 'European Marriage Pattern' and what influence did it have on European

demographic change from the 14th to 18th centuries? How does it relate demography to the economy? See section C of the bibliography.

Table 1.The Populations of Europe, by Regions, 1500 - 1800

Region	1500	1550	1600	1650	1700	1750	1800
North West	7.6	9.5	11	14.25	15.1	17.4	25.3
NW %	12.5%	13.6%	14.1%	19.2%	18.1%	17.9%	20.7%
Central	29	33.75	36.9	33.5	38.2	43.8	53.5
Cent %	47.6%	48.3%	47.4%	45.0%	45.7%	45.1%	43.8%
Mediter ranean	18.3	20	22.3	19.6	22.8	26.5	31.2
Med %	30.0%	28.6%	28.6%	26.3%	27.3%	27.3%	25.5%
Eastern	6	6.6	7.7	7.1	7.4	9.4	12.2
East %	9.9%	9.5%	9.9%	9.5%	8.9%	9.7%	10.0%
TOTAL	60.9	69.85	77.9	74.45	83.5	97.1	122.2

in millions

Source: Jan De Vries, 'Population,' in *Handbook of European History, 1400-1600: Late Middle Ages, Renaissance, and Reformation*, Vol. I: *Structures and Assertions*, ed. Thomas Brady, Heiko Oberman and James Tracy (Leiden and New York, 1994), adapted from Table 1, p. 13.

Table 2:	Estimated Populations of England and Wales in Millions, and Crude Birth and
	Death Rates per 1000: according to Wrigley-Schofield (1541 - 1871)

	THE POPULATION OF ENGLAND (with WALES)					
Quinq	uennial Demo	graphic Data	a from General	ised Inver	se Projection,	1541 - 1871
Year	England:		England: Life			Crude Death
	Population		Expectancy	Growth	Rate/1000	Rate/1000
	in millions	in millions	at Birth	Rate	England only	England only
	• • • •					20.24
1541	2.830	3.031	33.94	0.92		30.34
1546	2.908	3.115	38.82	1.42	37.88	25.98
1551	3.065		39.59	1.31	35.62	24.82
1556	3.213	3.440	22.38	-1.17	30.24	40.16
1561	3.036		36.66	0.97	37.06	26.70
1566	3.174	3.398	39.67	0.91	34.16	24.21
1571	3.310	3.545	41.06	0.77	32.37	22.73
1576	3.448	3.692	41.56	1.02	34.20	22.43
1581	3.631	3.889	42.70	1.27	34.12	21.56
1586	3.841	4.113	37.05	0.75		25.70
1591	3.938	4.217	38.05	0.81	32.12	24.75
1596	4.057	4.344	37.82	0.63		24.95
1601	4.162	4.457	38.53	0.75		24.77
1606	4.310	4.616	39.59	0.76		24.07
1611	4.476		36.79	0.41	31.60	26.14
1616	4.568	4.892	40.31	0.81	32.30	23.37
1621	4.745	5.081	33.39	0.11	30.91	28.85
1626	4.762	5.099	39.69	0.74		23.68
1631	4.926	5.275	39.72	0.71	31.66	23.80
1636	5.090	5.450	34.03	0.18		28.59
1641	5.130		36.32	0.43		26.79
1646	5.231	5.602	39.74	0.29	27.79	23.63
1651	5.308					
1656	5.391	5.773	33.04			28.68
1661	5.280	5.654	33.27	-0.38		28.92
1666	5.229		32.48			30.03
1671	5.159		37.41	-0.04		26.25
1676	5.185		32.40	-0.39		30.75
1681	5.109	5.471	31.27	-0.26		32.14
1686	5.036	5.393	35.93	0.47		28.56
1691	5.094		36.35	0.42	30.05	28.06
1696	5.118		38.06	0.71	31.25	26.67
1701	5.211	5.580	38.47	0.83	32.06	26.39

THE POPULATION OF ENGLAND (with WALES)						
Quinq	uennial Demo	graphic Data	a from General	ised Inver	se Projection,	1541 - 1871
Year	England:		England: Life			Crude Death
	Population	Population	Expectancy	Growth	Rate/1000	Rate/1000
	in millions	in millions	at Birth	Rate	England only	England only
1706	5.334	5.712	38.50	0.45	28.48	25.67
1711	5.382			0.34	29.47	26.77
1716	5.428			0.38	31.65	27.91
1721	5.503			0.39	32.80	
1726	5.602			-0.95	31.16	36.99
1731	5.414			0.58		27.46
1736	5.599			0.46	33.79	
1741	5.723	6.129	34.27	0.24	31.71	28.78
1746	5.782	6.191	36.47	0.62	32.68	27.02
1751	5.922	6.342	39.77	0.99	32.97	24.61
1756	6.149	6.584	38.12	0.75	31.87	25.82
1761	6.310	6.757	35.37	0.61	33.48	28.29
1766	6.449	6.906	36.19	0.68	33.88	27.69
1771	6.623	7.093	39.09	1.01	34.90	25.47
1776	6.913	7.403	37.74	0.99	35.76	26.57
1781	7.206	7.717	35.81	0.76	34.86	27.81
1786	7.434	7.960	38.97	1.25	36.89	25.23
1791	7.846	8.402	37.92	1.22	37.17	26.07
1796	8.256	8.841	38.93	1.15	35.51	24.82
1801	8.671	9.286	40.02	1.43	37.60	24.08
1806	9.232	9.887	40.58	1.52	37.90	23.68
1811	9.864		41.25	1.69	39.18	23.25
1816	10.628	11.381	40.84	1.70	39.48	23.54
1821	11.457	12.269	40.47	1.75		23.73
1826	12.374	13.250	41.43	1.56	37.30	22.40
1831	13.254	14.193		1.36		
1836	14.100	15.099	40.56	1.19	35.27	22.47
1841	14.937			1.23	35.61	21.61
1846	15.910			0.92	35.06	
1851	16.732				35.98	
1856	17.781	19.040		1.22	35.89	
1861	18.976			1.24	36.30	
1866	20.222			1.31	35.95	
1871	21.501	23.024			35.00	
1881		26.046			33.90	
1891		29.086			31.40	20.20

THE POPULATION OF ENGLAND (with WALES) Quinquennial Demographic Data from Generalised Inverse Projection, 1541 - 1871						
	Year England: with Wales England: Life Intrinsic Crude Birth Crude Death					Crude Death Rate/1000
	in millions	-	at Birth	Rate	England only	
1901		32.612			28.50	16.90
1911		36.136			24.30	14.60

Source:

E. A. Wrigley, R.S. Davies, J.E. Oeppen, and R. S. Schofield, *English Population History from Family Reconstitution*, Cambridge Studies in Population, Economy and Society in Past Time no. 32 (Cambridge and New York: Cambridge University Press, 1997), pp. 613-17. See also: E.A. Wrigley and R.S. Schofield, *The Population History of England*, 1541 - 1871: A Reconstruction (Cambridge, 1980), pp. 528 - 29, for the years 1541 - 1871. The figures they present are for England alone, less the now Welsh country of Monmouthshire. To present the figures in the usual form, for England and Wales together, I have divided their annual data by 0.93383 (as indicated on p. 557, note to Table A5.3).

Other Estimates of English Population Growth, 1880 - 1910

Year	Population in Millions	Birth Rates per 1000	Death Rates per 1000
1880	26.000	32.9	19.2
1890	29.000	30.0	18.3
1900	32.500	27.6	15.9
1910	36.100	21.8	14.5

Sources: B. R. Mitchell and Phyllis Deane, eds., *Abstract of British Historical Statistics* (Cambridge, 1962), pp. 29 - 37 for 1880-1910.

Table 3. Changing Demography of Colyton, Devonshire (England)

Average (Mean) Age of First Marriage, 1560-1837

Period	Men	Women
1560 - 99	28.1 years	27.0 years
1600 - 29	27.4	27.3
1630 - 46	25.8	26.5
1647 - 59	26.9	30.0
1660 - 99	27.6	28.8
1700 - 19	28.1	30.7
1720 - 49	26.2	27.2
1750 - 69	25.0	26.3
1770 - 99	27.6	26.4
1800 - 24	25.6	24.9
1825 - 37	25.9	23.3

Period	Average Age of First Marriage for:		Completed Family Size of	Life Expec- tancy of Both Sexes	
	Males	Females	Women who married under 30)	at Birth
1560-1646	27	27	6.4	1538-1624	43 years
1647-1719	28	30	4.2	1625-1699	37
1720-1769	26	27	4.4	1700-1774	42
1770-1837	27	25	5.9		

Sources: E.A. Wrigley, 'Family Limitation in Pre-Industrial England,' *Economic History Review*, 2nd ser. 19 (1966), 82-109.

E.A. Wrigley, Population and History (1969), p. 87.

Table 4.Demographic Profile of Colyton, 1560 - 1837

DECADE	MALES	FEMALES
1590 - 99	29.3	25.6
1600 - 09	28.3	25.7
1610 - 19	27.5	25.6
1620 - 29	27.6	25.2
1630 - 39	27.3	25.2
1640 - 49	27.4	25.7
1650 - 59	27.5	25.6
1660 - 69	27.4	25.9
1670 - 79	28	26.2
1680 - 89	27.7	25.8
1690 - 99	27.1	25.9
1700 - 09	27.4	26.0
1710 - 19	27.3	26.3
1720 - 29	27	25.9
1730 - 39	26.9	25.5
1740 - 49	26.5	24.8
1750 - 59	26.1	25.0
1760 - 69	25.9	24.5
1770 - 79	26.1	24.3
1780 - 89	25.9	24.0
1790 - 99	25.3	24.0
1800 - 09	25.3	24.0
1810 - 19	25.1	23.6
1820 - 29	25.2	23.8
1830 - 39	24.9	23.1

Table 5.Mean Age of First Marriage, i.e., in Bachelor-Spinster Marriages
in England (various counties, over time), in ten-year intervals

Source: E.A. Wrigley, R.S. Davies, J.E. Oeppen, and R.S. Schofield, *English Population History from Family Reconstitution*, 1580-1837 (Cambridge and New York:

Cambridge University Press, 1997), pp. 130-34.

Table 6:	English and French Population, 1681 - 1821			
Year	England and Wales	England only	France	England as % of France
1681	5.28	4.93	22.4	22%
1821	12.31	11.49	30.2	38%
Table 7: Country			n, French, and Dut 1821 (% per annu num	
England		0.95%		133%
France		0.28%		39%
Netherlands		0.06%		8%

Table 8. Estimated Population Totals and Percentage Growth Rates*

Population Totals (millions)

	1550	1680	1820	1900
England	3.0	4.9	11.5	30.5
France	17.0	21.9	30.5	38.5
Netherlands	1.2	1.9	2.0	5.1
Spain	9.0	8.5	14.0	18.6
Italy	11.0	12.0	18.4	32.5
Germany	12.0	12.0	18.1	43.6
Western Europe	61.1	71.9	116.5	201.4

Percentage Growth Rates (Overall: for periods designated)

	1550-1680	1680-1820	1820-1900
England	64	133	166
France	29	39	26
Netherlands	58	8	149
Spain	-6	64	33
Italy	9	53	77
Germany	0	51	142
Western Europe	18	62	73

* Notes and sources: The totals shown become progressively more accurate. Some of those for 1550 and 1680 are subject to very wide margins of error. In many cases the figures used are based on estimates for dates close to the year heading each column rather than for the year itself. The estimates refer to the present territories of the countries shown. The English data exclude Wales and Monmouthshire. For 1820 and 1900 all totals are taken from or estimated from B.R. Mitchell, *European Historical Statistics*, 2nd edn. (Cambridge, 1981), table BI, except for England in 1820.

Otherwise the most important sources used were the following: E.A. Wrigley and R.S. Schofield, *The Population History of England, 1541-1871: A Reconstruction* (London, 1981), table 7.8; B.R. Mitchell and P. Deane, *Abstract of British Historical Statistics* (Cambridge, 1962), chapter I, tables 2, 7; M. Reinhard, A. Arnmengaud and J. Dupaquier, *Histoire générale de la population mondiale*, 3rd edn. (Paris, 1968); J. Dupâquier, *La population française aux XVIIe et XVIIIe siècles* (Paris, 1979); C. McEvedy and R. Jones, *Atlas of World Population History* (London, 1978); M. Flinn, ed., *Scottish Population History from the 17th Century to the 1930s* (Cambridge, 1977); C.M. Cipolla, 'Four Centuries of Italian Demographic Development', and K.H. Connell, 'Land and Population in Ireland, 1780-1845', both in D.V. Glass and D.E.C. Eversley, eds., *Population in History* (London, 1965); J.A. Faber, H.K. Roessingh, B.H. Slicher van Bath, A.M. Van der Woude and H.J. Van Xanten, 'Population Changes and Economic Developments in the Netherlands: A Historical Survey', *A.A.G. Bijdragen*, 12 (1965).

Table 9.

Estimates of the Population of London

1500 (estimate)	50,000 (or more)
1600	200,000
1650	350,000
1750	550,000
1801 (census)	1,088,000
1851 (census)	2,491,000

Year	50,000- 100,000	100,000 400,000	Over 400,000
1300	4	3 (or 4?)	0
1500	5	5	0
1650	14	12	3

Table 10.

Number of Cities in the Indicated Population Range