

MUNRO, John Henry Alexander

**Professor Emeritus of Economics
University of Toronto**

CURRICULUM VITAE

Tuesday, 14 September 2004

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I. PERSONAL AND ACADEMIC HISTORY

Date of Birth: 14 March 1938

Place of Birth: Vancouver, B.C., CANADA

Citizenship: Canadian

University Degrees Earned:

- B.A. (Combined Honours Economics and History, first class), University of British Columbia, June 1960.
- M.A. in History, Yale University, June 1961.
- PhD in History (Economic History), Yale University, June 1965.

PhD Dissertation: '*Bullionism in Anglo-Burgundian Commercial Relations, 1384-1478*'.

PhD Supervisor: Professor Robert S. Lopez (deceased), former Sterling Professor of History, Department of History, Yale University.

UNIVERSITY EMPLOYMENT AND TEACHING EXPERIENCE: from the most recent.

- Professor of Economics, Department of Economics,* University of Toronto, July 1973 to the present.
[* formerly the Department of Political Economy, to August 1982]
- Associate Professor of Economics, Department of Political Economy, University of Toronto, 1968-73. With tenure, from July 1970.
- Assistant Professor, Departments of History and Economics, University of British Columbia, 1965-68.
- Instructor, Departments of History and Economics, University of British Columbia, 1964-65.

ACADEMIC PRIZES, FELLOWSHIPS, RESEARCH GRANTS

- Mary Cady Tew Prize in History, Yale University, June 1961.

- Woodrow Wilson Graduate Fellowship, 1960-61: held at Yale University.
- Lewis-Farmington Trust Fellowship, Yale University, 1961-62.
- Canada Council Pre-Doctoral Degree Fellowships: 1961-62, 1962-63. Held at Yale University.
- Imperial Oil Graduate Research Fellowship (at Yale): 1962-64.
- University of British Columbia President's Council on Research: \$1,500 for Summer research in Belgium and England: 1966.
- Canada Council Research Grant of \$500 for typing of MS: 1970.
- Canada Council Leave Fellowship of \$7,000 plus \$1,000 research grant for research leave in Belgium: 1970-71.
- Canada Council Research Grant (Humanities and Social Sciences) of \$1,315 for Summer research in England (PRO) and Belgium: 1973.
- Humanities and Social Sciences section of the University of Toronto Research Council: research grant of \$1,419; Summer research in England (PRO) and Belgium (Ghent and Mechelen): 1975.
- Social Sciences and Humanities Research Council of Canada, Leave Fellowship (451-790340) of \$9,320 plus \$2,500 research grant for academic leave and research in Holland (London PRO and Wiltshire County Record Office), Holland (Leiden and The Hague), Belgium (Brussels: Algemeen Rijksarchief; and Ghent Stadsarchief): 1979-80.
- Social Sciences and Humanities Research Council of Canada, Conference Travel grant [to attend 8th International Congress of Economic History, Budapest], August 1982.
- Social Sciences and Humanities Research Council of Canada Leave Fellowship (451-86-1452), of \$10,000 plus \$2,500 research grant for sabbatical leave, 1986-87: research in London (Guildhall MS Library) and Belgium (archives of Bruges, Ghent, Leuven, Mechelen, Brussels).
- Humanities and Social Sciences Committee of the Research Board, University of Toronto: Conference travel grant of \$700 to present a paper to the 9th International Economic History Congress in Bern, Switzerland, 24-29 August 1986.
- Humanities and Social Sciences Committee of the Research Board, University of Toronto: Conference Travel Grant of \$1,901, to present a paper to the 'Keio Conference on Monetary History', Keio University, Tokyo, 8 - 10 June 1987.
- Humanities and Social Sciences Committee of the Research Board, University of Toronto: Research grant of \$1,440, for 'Wage Structures in the Medieval Low Countries.'

Granted November 1987 (3 - 196 - 156 - 12).

- Humanities and Social Sciences Committee of the Research Board, University of Toronto: Grant-in-aid of \$750, for 'Price and Wage Movements in Late Medieval England and the Low Countries.' Granted 29 June 1988 (3 - 197 - 156 - 06).
 - Humanities and Social Sciences Committee of the Research Board, University of Toronto: Research grant of \$2,000, for 'The Behaviour of Urban Industrial Wages in England during Deflation, 1370 - 1480.' Granted February 1989 (3 - 195 - 156 - 06).
 - Humanities and Social Sciences Committee of the Research Board, University of Toronto: SSHRC International Conference travel grant of \$900, to present a paper to the Tenth International Economic History Congress at Leuven, Belgium, in August 1990 (3 - 196 - 156 - 06).
 - Humanities and Social Sciences Committee of the Research Board, University of Toronto: Research Grant-in-Aid, \$750. Granted 24 August 1990 - 31 December 1991 (3 - 196 - 156 - 12).
 - Social Sciences and Humanities Research Council General Research Grant, University of Toronto, of \$3,500.00, for the project: 'Mint-Accounts, Money, Prices, and Wages in the Late-Medieval Flemish Economy,' for the period 12 June 1991 to 30 June 1992: for research in the Algemeen Rijksarchief, Brussels, Belgium, on 14th and 15th-century mint accounts. (3 - 197 - 156 - 06).
 - Dean of Arts and Science's Excellence Award: \$500, awarded 1 July 1991.
 - Dean of Arts and Science's Excellence Award: \$500, awarded 1 July 1992.
- [**N.B.** University of Toronto faculty members, once elevated into the 'Senior Salary' category, as I was in 1993, are no longer eligible to receive this award.]
- Humanities and Social Sciences Committee of the Research Board, University of Toronto: \$750.00 Grant-in-Aid (3-195-156-12), 1 August 1992 to 31 December 1993, for the project: 'Money, Prices, and Wages in Late-Medieval Flanders.'
 - Social Sciences and Humanities Research Council of Canada (410-93-0866): \$34,000, for the period 1 April 1993 to 31 March 1996. Awarded for the project 'Inflation, Deflation, and the Movement of Wages in Late-Medieval England and the Low Countries, ca. 1300 - ca. 1500'.
 - Connaught Research Fellowship in the Social Sciences, for the academic year 1993 - 1994 (six months academic leave at full salary), with a \$5,000 research grant, for the project: 'Inflation, Deflation, and the Movement of Wages in Late-Medieval England and the Low Countries, ca. 1300 - ca. 1500'
 - Department of Economics, University of Toronto, General Research Grant Fund (3-191-

156-10): \$1,500, for the period 1 November 1995 to 31 December 1996. Awarded for the project: 'Time-Wage Labour, Wage Structures, and Real Wage Movements in Late-Medieval England and the Low Countries, 1260 - 1540.'

- Social Sciences and Humanities Research Council of Canada, General Research Grant (410-96-0306): \$28,500, for the period 1 April 1996 to 31 March 1999. Awarded for the project 'Wage Labour, Wage Structures, and Labour Mobility in England and the Low Countries, 1400 - 1600.'
- Volkswagen Stiftung and Amt für Kultur, Forschungsstelle für die Geschichte der Hanse und des Ostseeraums, Der Senat Hansestadt Lübeck: Forschungsprojekts 'Wirtschaftliche Wechsellagen im hansischen Wirtschaftsraum, 1300 - 1800': a research grant of \$3,500 (4000 DM) to record in Quattro Pro 9 on the computer, the cloth-price data for Ghent (1302-1570), Mechelen (1315-1551), and Leiden (1372-1570). From September 1997 to the present.
- Department of Economics, SSHRC General Research Grant Programme, Conference Travel Grant: \$1,700.00, to present two papers to the 12th International Economic History Congress, in Madrid, Spain, 24 - 29 August 1998.
- Social Sciences and Humanities Research Council of Canada, General Research Grant (410-99-0274): \$38,100, for the period 1 April 1999 to 31 March 2002 (with extension to 31 March 2003). Awarded for the research project: 'Monetary Policies, Wage Policies, and Industrial Conflicts in the Late-Medieval Low Countries and England: the Responses of Organised Labour to Inflation and Deflation.'
- Department of Economics, SSHRC General Research Grant Programme, research grant of \$2,000 for the project: 'Guilds and Governments: Response of Organised Labour to Real-Wage changes with Inflation and Deflation.' 1 May 1999 - 31 December 2000.
- Connaught Research Fellowship in the Social Sciences, for the academic year 2000 - 2001 (six months academic leave at full salary), with a \$5,000 research grant, for the project: 'Monetary Policies, Wage Policies, and Urban Industrial Conflicts in the later-medieval and early-modern Low Countries, 1250 - 1600: The Reactions of Organized Labour to Inflationary and Deflationary Price Movements'
- Social Sciences and Humanities Research Council of Canada, General Research Grant (410-2003-0220): \$41,152, for the period 1 April 2003 to 31 March 2006 (with extension to 31 March 2007). Awarded for the research project: 'The Medieval Origins of the Modern Financial Revolution'.
- Department of Economics, SSHRC General Research Grant Programme, for the academic year 2002 - 2003 (65862 - 454082): research grant of \$736.72, for the project: 'The Medieval Origins of the Modern Financial Revolution'.

RESEARCH RELATED ACTIVITIES

- Consultant on monetary, financial and numismatic matters for the multi-volume series *The Collected Works of Erasmus: Correspondence* (University of Toronto Press), from 1972.
- Medieval Economic History Area Editor, for the *Encyclopedia of Economic History*, Oxford University Press, Joel Mokyr Editor in Chief (editorial offices: Oxford University Press, New York), from 1995 to 2003.
- Member of the Editorial Board of *Textile History* (editorial offices: Birmingham, and London, England), 1982-1997.
- Member of the Editorial Board of *Explorations in Economic History* (editorial offices: Department of Economics, Rutgers University), from January 1998.
- Member of the editorial board of *The Collected Works of Erasmus*, University of Toronto Press, from 1 July 1999.
- Member of the editorial board of *The International History Review* (Simon Fraser University), from 1 July 2000 to 30 June 2003.
- Member of the editorial board of the journal *Medieval Clothing and Textiles*, from July 2003
- Referee for *Textile History*, *Explorations in Economic History*, *American Historical Review*, *Mediaeval Studies*, *The International History Review*, *Journal of Economic History*, *Speculum: Journal of Medieval Studies*, *Economic History Review*
- Elected Member of the Comitato Scientifico, Istituto Internazionale di Storia Economica 'Francesco Datini da Prato', Italy: from March 1999 (re-elected in March 2003).
- Elected Member (Foreign) of the Koninklijke Vlaamse Academie van België voor Wetenschappen en Kunsten [Royal Flemish Academy of Belgium for Science and the Arts], from October 2000.
- Appointed Member of the Giunta (Executive Board), Comitato Scientifico, Istituto Internazionale di Storia Economica 'Francesco Datini da Prato', Italy, from May 2003.

Sabbatical Leaves for Research:

- (1) July 1970 - June 1971 Canada Council Leave Fellowship of \$7,000 plus \$1,000 research grant for research leave in Belgium. Research in the Algemeen Rijksarchief, Brussels; Rijksarchief van West Vlaanderen (Bruges) and Oost Vlaanderen (Ghent); Stadarchief Gent, Stadsarchief Mechelen, Steelijke Archief Leuven

- (2) July 1979 - June 1980: Social Sciences and Humanities Research Council of Canada, Leave Fellowship (451-790340) of \$9,320 plus \$2,500 research grant for academic leave and research in Holland (London PRO and Wiltshire County Record Office), Holland (Leiden and The Hague), Belgium (Brussels: Algemeen Rijksarchief; and Stadsarchief Ghent)
- (3) July 1986 - June 1987: Social Sciences and Humanities Research Council of Canada Leave Fellowship (451-86-1452), of \$10,000 plus \$2,500 research grant for sabbatical leave: research in London (Guildhall MS Library) and Belgium (Algemeen Rijksarchief Brussel; Stadsarchieven Brugge, Gent, Leuven, Mechelen; Rijksarchief van West Vlaanderen (Bruges), Rijksarchief van Oost Vlaanderen (Ghent).
- (4) July 1993 - Jan. 1995: Social Sciences and Humanities Research Council of Canada (410-93-0866): \$34,000, for the period 1 April 1993 to 31 March 1996. Awarded for the project 'Inflation, Deflation, and the Movement of Wages in Late-Medieval England and the Low Countries, ca. 1300 - ca. 1500'; and Connaught Research Fellowship in the Social Sciences, for the academic year 1993 - 1994 (six months academic leave at full salary), with a \$5,000 research grant, for the project: 'Inflation, Deflation, and the Movement of Wages in Late-Medieval England and the Low Countries, ca. 1300 - ca. 1500'. Research leave for 18 months. Research in the Archives of the British Library of Political and Economic Science; Algemeen Rijksarchief Brussel; Stadsarchief Gent: July - September 1994.
- (5) July 2000 - June 2001: Social Sciences and Humanities Research Council of Canada, General Research Grant (410-99-0274): \$38,100, for the period 1 April 1999 to 31 March 2003: Awarded for the research project: 'Monetary Policies, Wage Policies, and Industrial Conflicts in the Low Countries and England: the Responses of Organised Labour to Inflation and Deflation.'; Connaught Research Fellowship in the Social Sciences, for the academic year 2000 - 2001 (six months academic leave at full salary), with a \$5,000 research grant, for the project: 'Monetary Policies, Wage Policies, and Urban Industrial Conflicts in the later-medieval and early-modern Low Countries, 1250 - 1600: The Reactions of Organized Labour to Inflationary and Deflationary Price Movements'. British Library of Political and Economic Science; Algemeen Rijksarchief Brussel: July-August 2000.

Archival Research in Belgium, Holland, and England:

- (1) April 1963 - Dec 1963 Algemeen Rijksarchief België/Archives Générales du Royaume, in Brussels, Belgium [as a PhD student]
- (2) June - Aug. 1966 Algemeen Rijksarchief België/Archives Générales du Royaume; and Public Record Office, London
- (3) Aug 1970 - Aug 1971 Algemeen Rijksarchief België/Archives Générales du Royaume; Stadsarchief Brugge, Stadsarchief Gent, Stadsarchief Leuven, Stadsarchief

- Mechelen, Stadsarchief Brussel
- (4) June - Aug 1973 Algemeen Rijksarchief België/Archives Générales du Royaume; Public Record Office (London)
 - (5) June - Aug 1975 Algemeen Rijksarchief België/Archives Générales du Royaume; Stadsarchief Gent; Stadsarchief Mechelen; Public Record Office (London)
 - (6) Sept 1978 Corporation of London Record Office
 - (7) Sept - Oct 1979 Public Record Office, London; and Wiltshire County Record Office; Algemeen Rijksarchief Nederland (The Hague); Gemeente Archief Leiden; Algemeen Rijksarchief (Brussels); and Ghent Stadsarchief
 - (8) June 1985 Algemeen Rijksarchief België and Algemeen Rijksarchief Nederland (the Hague); Guildhall Manuscript Library, London; and Corporation of London Record Office
 - (9) Sept - Nov 1986 Guildhall Manuscript Library, London; Corporation of London Record Office; Algemeen Rijksarchief België, Stadsarchief Brugge, Stadsarchief Gent, Stadsarchief Leuven [now Stedelijke Archief], Stadsarchief Mechelen; Rijksarchief van West Vlaanderen (Bruges), Rijksarchief van Oost Vlaanderen (Ghent).
 - (10) July 1989 London: Corporation of London Record Office
 - (11) Aug. 1990 Stedelijke Archief Leuven (Belgium)
 - (12) Jul - Aug 1991 Algemeen Rijksarchief België/Archives Générales du Royaume
 - (13) Jul - Sept 1994 Archives of the British Library of Economic and Political Science (LSE Archives, London); Algemeen Rijksarchief België/Archives Générales du Royaume; Stadsarchief Gent.
 - (14) Jul - Aug 1995 Archives of the British Library of Economic and Political Science (LSE Archives, London); Algemeen Rijksarchief België/Archives Générales du Royaume.
 - (15) August 1997 Archives of the British Library of Economic and Political Science (LSE Archives, London)
 - (16) December 1997 Rijksarchief van Oost Vlaanderen (at Ghent)
 - (17) August 1998 Archives of the British Library of Economic and Political Science (LSE Archives, London)
 - (18) Jul - Aug 2000 Algemeen Rijksarchief België/Archives Générales du Royaume; Archives of the British Library of Economic and Political Science (LSE Archives,

- London).
- (19) Jul - Aug 2001 Algemeen Rijksarchief België/Archives Générales du Royaume; Archives of the British Library of Economic and Political Science (LSE Archives, London).
- (20) Aug 2003 Stadsarchief Gent; Algemeen Rijksarchief België/Archives Générales du Royaume [40th anniversary of doing research in the Algemeen Rijksarchief]
- (21) Jul - Aug 2004 Stadsarchief Gent; Stadsarchief Brugge; Algemeen Rijksarchief België/Archives Générales du Royaume: Rekenkamer/Chambre de Comptes

II. RECORD OF SCHOLARLY WORK:

* - indicates a refereed publication.

A. MONOGRAPHS, BOOKS

- * John Munro, *Wool, Cloth and Gold: The Struggle for Bullion in Anglo-Burgundian Trade, ca. 1340-1478* (Brussels: Editions de l'Université de Bruxelles; and Toronto: University of Toronto Press, 1973). Pp. xii + 242.
- Eddy H. G. Van Cauwenberghe, Rainer Metz, Franz Irisgler, and John Munro, *Coinage in the Low Countries (14th - 18th Centuries)*, Vol. I: *Antwerp - Bruges - Brussels - Ghent* (Leuven: Leuven University Press, 1988). Pp 292.
- Textiles of the Low Countries in European Economic History*, ed. Erik Aerts and John Munro, *Studies in Social and Economic History*, Vol. 19 (Leuven: Leuven University Press, 1990). Pp. 124.
- * *Bullion Flows and Monetary Policies in England and the Low Countries, 1350 - 1500*, Variorum Collected Studies series CS 355 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1992). Pp. xvi + 312.
- * *Textiles, Towns, and Trade: Essays in the Economic History of Late-Medieval England and the Low Countries*, Variorum Collected Studies series CS 442 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1994). Pp. xvi + 326.
- * *The Oxford Encyclopedia of Economic History*, ed. Joel Mokyr (editor in chief), Maristella Botticini (assistant editor), Maxine Berg, Erik Buyst, Lou Cain, Jan de Vries, Paul Lovejoy, and John Munro (area editors), in 5 vols. (New York: Oxford University Press), 2003.

B. ARTICLES IN SCHOLARLY JOURNALS AND ESSAYS IN BOOKS (AND COLLECTED STUDIES)

- * 1. 'Bruges and the Abortive Staple in English Cloth: An Incident in the Shift of Commerce from Bruges to Antwerp in the Late Fifteenth Century', *Revue belge de philologie et d'histoire/Belgisch tijdschrift voor filologie en geschiedenis*, 44 (1966), 1137-59; reprinted in John Munro, *Textiles, Towns, and Trade: Essays in the Economic History of Late-Medieval England and the Low Countries*, Variorum Collected Studies series CS 442 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1994).
- * 2. 'The Costs of Anglo-Burgundian Interdependence,' *Revue belge de philologie et d'histoire/Belgisch tijdschrift voor filologie en geschiedenis*, 46 (1968), 1128-38.
- * 3. 'An Economic Aspect of the Collapse of the Anglo-Burgundian Alliance, 1428-1442,' *English Historical Review*, 85 (1970), 225-44; reprinted in John Munro, *Bullion Flows and Monetary Policies in England and the Low Countries, 1350 - 1500*, Variorum Collected Studies series CS 355 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1992).
- * 4. 'An Aspect of Medieval Public Finance: The Profits of Counterfeiting in the Fifteenth-Century Low Countries,' *Revue belge de numismatique et de sigillographie*, 118 (1972), 127-48; reprinted in John Munro, *Bullion Flows and Monetary Policies in England and the Low Countries, 1350 - 1500*, Variorum Collected Studies series CS 355 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1992).
- [Part I of a two-part article, with Pierre Cockshaw, entitled 'Countrefaçons et imitations de monnaies au XVe siècle,' pp. 127-63.]
- * 5. 'The Weber Thesis Revisited - and Revindicated?' *Revue belge de philologie et d'histoire*, 51 (1973), 381-91. [*Belgisch tijdschrift voor filologie en geschiedenis*.]
- * 6. 'Billon - Billoen - Billio: From Bullion to Base Coinage,' *Belgisch tijdschrift voor filologie en geschiedenis/Revue belge de philologie et d'histoire*, 52 (1974), 293-305; reprinted in John Munro, *Bullion Flows and Monetary Policies in England and the Low Countries, 1350 - 1500*, Variorum Collected Studies series CS 355 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1992).
7. 'Money and Coinage of the Age of Erasmus,' in Sir Roger Mynors, Douglas Thomson, and Wallace Ferguson, eds., *The Correspondence of Erasmus*, Vol. 1: *Letters 1 to 151, A.D. 1484 - 1500* (Toronto: University of Toronto Press, 1974), pp. 311-48. Also in this volume: Footnotes and headnotes on coinage, monetary, financial, and numismatic topics in the correspondence of Erasmus.
8. 'The Purchasing Power of Coins and of Wages in the Low Countries and England, 1500 - 1514,' in Sir Roger Mynors, Douglas Thomson, and Wallace Ferguson, eds., *The Correspondence of Erasmus*, Vol. 2: *Letters 142 to 297, A.D. 1501 - 1514*

(Toronto: University of Toronto Press, 1975), pp. 307-45. Also in this volume: Footnotes and headnotes on coinage, monetary, financial, and numismatic topics in the correspondence of Erasmus.

9. Footnotes and headnotes on coinage, monetary, financial, and numismatic topics in the correspondence of Erasmus, in Sir Roger Mynors, Douglas Thomson, and James McConica, eds., *The Correspondence of Erasmus*, Vol. 3: *Letters 298 to 445, A.D. 1514 to 1516* (Toronto: University of Toronto Press, 1976).
10. Footnotes and headnotes on coinage, monetary, financial, and numismatic topics in the correspondence of Erasmus, in Sir Roger Mynors, Douglas Thomson, and James McConica, eds., *The Correspondence of Erasmus*, Vol. 4: *Letters 446 to 593, A.D. 1516 to 1517* (Toronto: University of Toronto Press, 1977).
- * 11. 'Industrial Protectionism in Medieval Flanders: Urban or National?' in Harry Miskimin, David Herlihy, and A. L. Udovitch, eds., *The Medieval City* (New Haven and London: Yale University Press, 1977), pp. 229-68; reprinted in John Munro, *Textiles, Towns, and Trade: Essays in the Economic History of Late-Medieval England and the Low Countries*, Variorum Collected Studies series CS 442 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1994).
- * 12. 'Wool-Price Schedules and the Qualities of English Wools in the Later Middle Ages, ca. 1270 - 1499,' *Textile History*, 9 (1978), 118-69; reprinted in John Munro, *Textiles, Towns, and Trade: Essays in the Economic History of Late-Medieval England and the Low Countries*, Variorum Collected Studies series CS 442 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1994).
- * 13. 'The 1357 Wool-Price Schedule and the Decline of Yorkshire Wool Values,' *Textile History*, 10 (1979), 211-19; reprinted in John Munro, *Textiles, Towns, and Trade: Essays in the Economic History of Late-Medieval England and the Low Countries*, Variorum Collected Studies series CS 442 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1994).
- * 14. 'Bullionism and the Bill of Exchange in England, 1272-1663: A Study in Monetary Management and Popular Prejudice,' in The Center for Medieval and Renaissance Studies of the University of California (Fred Chiappelli, director), ed., *The Dawn of Modern Banking* (New Haven and London: Yale University Press, 1979), pp. 169-239; reprinted in John Munro, *Bullion Flows and Monetary Policies in England and the Low Countries, 1350 - 1500*, Variorum Collected Studies series CS 355 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1992).
15. 'Monetary Contraction and Industrial Change in the Late-Medieval Low Countries, 1335 - 1500,' in Nicholas Mayhew, ed., *Coinage in the Low Countries, 880 - 1500: The Third Oxford Symposium on Coinage and Monetary History* British Archeological Reports, International Series No. 54 (Oxford: Ashmolean Museum, 1979), pp. 95-161.

16. Footnotes and headnotes on coinage, monetary, financial, and numismatic topics in the correspondence of Erasmus, in Sir Roger Mynors, Douglas Thomson, and Peter Bietenholz, eds., *The Correspondence of Erasmus*, Vol. 5: *Letters 594 to 841, A.D. 1517 to 1518* (Toronto: University of Toronto Press, 1979).
- * 17. 'Mint Policies, Ratios, and Outputs in England and the Low Countries, 1335-1420: Some Reflections on New Data,' *The Numismatic Chronicle*, 141 (1981), 71-116. [formerly listed as: 8th series, Vol. I]; reprinted in John Munro, *Bullion Flows and Monetary Policies in England and the Low Countries, 1350 - 1500*, Variorum Collected Studies series CS 355 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1992).
18. Footnotes and headnotes on coinage, monetary, financial, and numismatic topics in the correspondence of Erasmus, in Sir Roger Mynors, Douglas Thomson, and Peter Bietenholz, eds., *The Correspondence of Erasmus*, Vol. 6: *Letters 842 to 992, A.D. 1518 to 1519* (Toronto: University of Toronto Press, 1982).
- * 19. 'Medieval Monetary Problems: Bimetallism and Bullionism,' *Journal of Economic History*, 43 (March 1983), 294-98.
- * 20. 'Economic Depression and the Arts in the Fifteenth-Century Low Countries,' *Renaissance and Reformation*, 19 (1983), 235-50; reprinted in John Munro, *Textiles, Towns, and Trade: Essays in the Economic History of Late-Medieval England and the Low Countries*, Variorum Collected Studies series CS 442 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1994).
- * 21. 'The Medieval Scarlet and the Economics of Sartorial Splendour,' in Negley B. Harte and Kenneth G. Ponting, eds., *Cloth and Clothing in Medieval Europe: Essays in Memory of Professor E. M. Carus-Wilson*, Pasold Studies in Textile History No. 2 (London: The Pasold Research Fund and Heinemann Educational Books, 1983), pp. 13-70; reprinted in John Munro, *Textiles, Towns, and Trade: Essays in the Economic History of Late-Medieval England and the Low Countries*, Variorum Collected Studies series CS 442 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1994).
- * 22. 'Bullion Flows and Monetary Contraction in Late-Medieval England and the Low Countries,' in John F. Richards, ed., *Precious Metals in the Later Medieval and Early Modern Worlds* (Durham, North Carolina: Carolina Academic Press, 1983), pp. 97-158; reprinted in John Munro, *Bullion Flows and Monetary Policies in England and the Low Countries, 1350 - 1500*, Variorum Collected Studies series CS 355 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1992).
23. 'Monnayage, monnaies de compte, et mutations monétaires au Brabant à la fin du moyen âge,' in John Day, ed., *Études d'histoire monétaire, XIIe - XIXe siècles*, Études de l'Université de Paris VII et du Centre National des Lettres (Lille: Presses Universitaires de Lille, 1984), pp. 263-94; reprinted in John Munro, *Bullion Flows and Monetary Policies in England and the Low Countries, 1350 - 1500*, Variorum

Collected Studies series CS 355 (Aldershot, Hampshire; and Brookfield, Vermont: Ashgate Publishing Ltd., 1992).

24. 'Mint Outputs, Money, and Prices in Late-Medieval England and the Low Countries,' in Eddy Van Cauwenberghe and Franz Irsigler, eds., *Münzprägung, Geldumlauf und Wechselkurse/ Minting, Monetary Circulation and Exchange Rates*, Trierer Historische Forschungen, 7: *Akten des 8th International Economic History Congress, Section C-7, Budapest 1982* (Trier: University Press, 1984), pp. 31-122.
25. 'Hemp,' in Joseph R. Strayer, et al., eds., *Dictionary of the Middle Ages*, 13 vols. (New York: Charles Scribner's Sons/MacMillan, 1982-88), Vol. 6: *Grosseteste - Italian Literature* (New York, 1985), pp. 153-54.
26. 'Linen,' in Joseph R. Strayer, et al., eds., *Dictionary of the Middle Ages*, 13 vols. (New York: Charles Scribner's Sons/MacMillan, 1982-88), Vol. 7: *Italian Renaissance - Mabinogi* (New York, 1986), 584-86.
27. 'Political Muscle in an Age of Monetary Famine: A Review,' in *Revue belge de philologie et d'histoire*, 64 (1986), 741-46.
28. Footnotes and headnotes on coinage, monetary, financial, and numismatic topics in the correspondence of Erasmus, in Sir Roger Mynors, Douglas Thomson, and Peter Bietenholz, eds., *The Correspondence of Erasmus*, Vol. 7: *Letters 993 to 1121, A.D. 1519 to 1520* (Toronto: University of Toronto Press, 1987).
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 5. Monetary Policies, Guild Labour-Strife, and Compulsory Arbitration during the Decline of the Late-Medieval Flemish Cloth Industry, 1390-1435

 JEL Classification: N1, N3, N4, N6, L1, J2, J3, E3, E4, F2
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<http://www.chass.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-98-05.html>
 6. English 'Backwardness' and Financial Innovations in Commerce with the Low Countries, 14th to 16th Centuries

 JEL Classification: N1, N2, N4, N7, E5
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 [UT-ECIPA-MUNRO-98-06]
<http://www.chass.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-98-06.html>
 7. The Low Countries' Export Trade in Textiles with the Mediterranean Basin, 1200-1600: A Cost-Benefit Analysis of Comparative Advantages in Overland and Maritime Trade Routes

 JEL Classification: F1, F2, L1, N6, N7
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<http://www.chass.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-99-01.html>
8. The Monetary Origins of the 'Price Revolution' Before the Influx of Spanish-American Treasure: the South-German Silver-Copper Trades, Merchant Banking, and Venetian Commerce, 1470-1540
- JEL Classification: E3, E5, E6, F4, G2, H5, H6, N1, N2, N7
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<http://www.chass.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-99-02.html>
9. The 'New Institutional Economics' and the Changing Fortunes of Fairs in Medieval and Early Modern Europe: the Textile Trades, Warfare, and Transaction Costs
- JEL Classification: F1, F3-4, G2, K2, K4, N2, N4, N7, R4
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 UT-ECIPA-MUNRO-00-01
<http://www.chass.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-00-01.html>
10. Flemish Woollens and German Commerce during the Later Middle Ages: Changing Trends in Cloth Prices and Markets, 1290 - 1550
- JEL Classification: F1-2, J3, L1-2, L6, N4, N6-7
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<http://www.chass.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-00-02.html>
11. Wage Stickiness, Monetary Changes, and Real Incomes in Late-Medieval England and the Low Countries, 1300 - 1470: Did Money Really Matter?
- JEL Classification: F4, J1, J3, J4, J5, N1, N3, N4, N6
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<http://www.chass.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-00-03.html>
- Figures 1-34: Wage Stickiness, Monetary Changes, and Real Incomes in Late-Medieval England and the Low Countries / PDF [29.3 MBytes]
<http://www.economics.utoronto.ca/munro5/RWCharts3.pdf>
12. The West European Woollen Industries and their Struggles for International Markets, c.1000- 1500
- JEL Classification: F1, F2, F3, F4, H2, H3, J3, J5, K2, L1, L6, N2, N3, N4, N5, N6, N7, N8
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<http://www.chass.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-00-04.html>
13. Wool and Wool-Based Textiles in the West European Economy, c.800 - 1500: Innovations and Traditions in Textile Products, Technology, and Industrial Organisation

- JEL Classification: F1, F2, F3, F4, H2, H3, J3, J5, K2, L1, L6, N2, N3, N4, N5, N6, N7, N8
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 [UT-ECIPA-MUNRO-00-05]
<http://www.chass.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-00-05.html>
14. Money, Wages, and Real Incomes in the Age of Erasmus: The Purchasing Power of Coins and of Building Craftsmen's Wages in England and the Low Countries, 1500 - 1540
- JEL Classification: B0, E3, E4, E5, E6, F2, F4, J1, J2, J3, J4, J6, N1, N3, N4, N7, Q1
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<http://www.economics.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-01-01.html>
15. The Origins of the Modern Financial Revolution: Responses to Impediments from Church and State in Western Europe, 1200 - 1600
- JEL Classification: B1, E5, E6, F3, F4, G1, G2, H3, H6, K4, N2, N4, P5
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<http://www.economics.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-01-02.html>
16. Industrial Energy from Water-Mills in the European Economy, Fifth to Eighteenth Centuries: the Limitations of Power.
- JEL Classification: L6, N5, N6, O3, Q4
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<http://www.economics.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-02-01.html>
17. Prices, Wages, and Prospects for 'Profit Inflation' in England, Brabant, and Spain, 1501 -1670: A Comparative Analysis
- JEL Classification: B2, E2, E3, J3, N1, N3, O1, O5
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18. Industrial Change in the Fifteenth- and Sixteenth-Century Low Countries: the Arrival of Spanish Merino Wools and the Expansion of the 'Nouvelles Draperies'
- JEL Classification: D4, D7, F1, F2, H3, L1, N4, N5, N6, N7, Q2
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 [UT-ECIPA-MUNRO-02-03.html]
<http://www.economics.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-02-03.html>
19. Postan, Population, and Prices in Late-Medieval England and Flanders. Includes a pdf file with graphs.

JEL Classification: B4, E3, E4, J1, J3, N1, N3, N5
 READ PAPER / PDF [302 KBytes] and Data Graphics [1213 KBytes]
 [UT-ECIPA-MUNRO-02-04.html]
<http://www.economics.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-02-04.html>

20. Gold, Guilds, and Government: The Impact of Monetary and Labour Policies on the Flemish Cloth Industry, 1390 - 1435.

JEL Classification: E3, E4, E5, J3, J5, L1, N1, N3, N4
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 [UT-ECIPA-MUNRO-02-05.html]
<http://www.economics.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-02-05.html>

21. Builders' Wages in Southern England and the Southern Low Countries, 1346 - 1500: A Comparative Study of Trends in and Levels of Real Incomes

JEL Classification: F4, J1, J3, J4, J5, N1, N3, N4, N6
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 [UT-ECIPA-MUNRO-04-01.html]
<http://www.economics.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-04-01.html>

22. The Debate About Mandatory Retirement in Ontario Universities: Positive and Personal Choices About Retirement at 65

JEL Classification: H30, H52, I22, I28, J10, J14, J15, J23, J24, J26, J33, J38, J44, J48, J53, J62, J78, J82, J83, K12, K31, L31
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<http://www.economics.utoronto.ca/ecipa/archive/UT-ECIPA-MUNRO-04-02.html>

E. SCHOLARLY CONFERENCE PAPERS AND INVITED LECTURES

1. **'Bruges and the Abortive Staple in English Cloth: An Incident in the Shift of Commerce from Bruges to Antwerp in the Late Fifteenth Century.'**

Paper delivered to the Canadian Historical Association, Annual Meeting, June 1965, at the University of British Columbia.

2. **'The Transformation of Flemish Cloth Production, c. 1270 - c. 1400: The Responses to Changing Factor Costs and Market Demand.'**

Paper delivered to the Postgraduate Workshop in Economic History of the Centrum voor Economische Studiën of the Katholieke Universiteit te Leuven (Louvain, Belgium) on 12 March 1971 (and published by this institute in mimeographed form as *Report No. 7103 of the Centrum voor Economische Studiën*).

This paper was subsequently delivered also to the Seminarie voor Streeks- en Agrarische Geschiedenis of the Riksuniversiteit Gent (Ghent, Belgium), on 25 March 1971.

3. **‘La lutte bullioniste anglo-bourguignonne: sa contribution à la chute de l'industrie drapière de luxe et à l'essor des nouvelles draperies en Flandre et en Brabant, 1430-1480.’**

Paper delivered to the Seminarie voor Middeleeuwse Geschiedenis of the Vrije Universiteit te Brussel (Brussels, Belgium) on 19 April 1971.

4. **‘Depression and Culture in Fifteenth-Century Flanders and Brabant.’**

Paper delivered to the American Musicological Society, 32nd Annual Meeting, at Duke University (Durham, North Carolina) on 18 November 1971.

A précis of this paper has been published in *Abstracts of Papers Delivered to the Thirty-Second Annual Meeting of the American Musicological Society* (Chapel Hill and Durham, N.C., 1971), pp. 40-41.

5. **‘The Coming of Spanish Wools to the Low Countries: An Industrial Transformation of the Fifteenth Century.’**

Paper delivered to the Midwest Medieval Conference, 11th Annual Meeting, at the University of Wisconsin-Milwaukee, on 6 October 1973. Also delivered to the Economic History Workshop, University of Toronto, in November 1973.

6. **‘Scarlets and the High Cost of Dyeing in the Middle Ages.’**

Paper delivered to the Colloquium on Medieval Textiles in the Mediterranean Basin, in conjunction with the Annual Meeting of the Medieval Academy of America, at the Royal Ontario Museum of Toronto, on 11 May 1977.

7. **‘Mint Outputs, Monetary Change, and Economic Contraction in Late-Medieval England and the Low Countries.’**

Paper delivered to the Comparative World History Workshop: Conference on Pre-Modern Monetary History, at the University of Wisconsin-Madison, 30 August - 3 September 1977.

8. **‘Bullionism and the Bill of Exchange in England, 1272 - 1663: A Study in Monetary Management and Popular Prejudice.’**

Paper presented to the Conference on ‘The Dawn of Banking’, at the Center for Medieval and Renaissance Studies, University of California, Los Angeles, 23 - 26 September 1977.

9. **‘Scarlets and the Economics of Sartorial Splendour in the Middle Ages.’**

A revised version of paper no. 6 above, delivered to the ‘Five Colleges Medieval Seminar’ at the University of Massachusetts, at Amherst, Mass. on 5 December 1977; and

again to the Social History Group of Ontario (Toronto) on 5 February 1978.

10. **‘Bullion Movements and Monetary Contraction in Late-Medieval England and the Low Countries. 1235-1500 A.D.’**

A revised version of the above paper of this title (no.7), delivered to the University of Toronto Economic History Workshop, on 16 January 1978.

11. **‘Monetary Contraction, Depression, and Industrial Change in the Late Medieval Low Countries, 1335-1500.’**

Paper delivered to the ‘Third Oxford Symposium on Coinage and Monetary History: Coinage and Economic Development in the Low Countries,’ on 10 September 1978.

12. **‘The Medieval Scarlet and the Economics of Sartorial Splendour.’**

A very considerably revised and expanded version of the above paper of this name (no. 9), delivered to the University of Toronto Economic History Workshop, on 20 October 1980.

13. **‘Economic Depression and Culture in the Fifteenth-Century Low Countries.’**

A much revised version of no. 4 above, delivered to University College Symposium Four, ‘The Renaissance: Rediscovery and Exploration,’ at the University of Toronto, on 21 January 1982.

14. **‘Mint Outputs, Money, and Prices in Late-Medieval England and the Low Countries.’**

Paper delivered to the Theme C-7 section, on ‘Minting and Monetary Circulation,’ of the 8th International Economic History Congress, Budapest, 18 August 1982.

15. **‘The Late-Medieval Bullion Famine and Deflation in North-West Europe: A Critique of the Postan Thesis.’**

Paper delivered to the Workshop on ‘Medieval Monetary Problems: Bimetallism and Bullionism,’ at the 42nd Annual Meeting of the Economic History Association, 23 September 1982, Baltimore, Maryland.

16. **‘The Luxury Trades of the Silk Road: How Much Did Silks and Spices Really Cost?’**

Paper delivered to the Royal Ontario Museum Continuing Education Symposium, *Silk Roads - China Ships*, 12 October 1983, University of Toronto.

17. **‘The Fullers’ Guild and Industrial Strife in the Low Countries, 1340-1500.’**

Paper delivered to the Thirteenth Medieval Workshop, University of British Columbia, ‘Late Medieval Urban Institutions,’ 19 November 1983.

18. **‘Minting, Moneys-of-Account, and Monetary Change in Late-Medieval Brabant.’**
Paper delivered to the Economic History Workshop, University of Toronto, 5 December 1983.
19. **‘Inflation, Deflation, and the Big Problem of Petty Coinage in Late-Medieval Flanders, 1334-1484.’**
Paper delivered to the Nineteenth International Congress of Medieval Studies, at Western Michigan University, Kalamazoo, Michigan, on 13 May 1984.
20. **‘Flemish Textile Production and the Changing Structure of Market Demand, 1270-1500.’**
Paper presented to the 44th Annual Meeting of the Economic History Association, 21-23 September 1984, at Chicago, Illinois.
21. **‘Industrial Change in Textile Manufacturing in the Late Medieval Low Countries: Responses to Market Adversities.’**
Invited lecture given at Rutgers University, Department of History and Center for Medieval Studies (New Brunswick, New Jersey), 16 April 1985.
22. **‘The Nature of Price Changes in the Late-Medieval Economy: A Critique of the Postan Thesis.’**
Lecture-seminar given at Rutgers University, Department of History and Center for Medieval Studies (New Brunswick, New Jersey), 17 April 1985.
23. **‘Environment, Land Management, and the Changing Qualities of English Wools in the Later Middle Ages.’**
Paper presented to the 20th International Congress on Medieval Studies, 10 May 1985, at Western Michigan University, Kalamazoo, Michigan.
24. **‘The Role of Petty Coinage in Monetary and Price Fluctuations in the Low Countries, 1334-1484.’**
Public lecture sponsored by the Department of History, University of Trier, Federal Republic of Germany, 7 June 1985.
25. **‘Petty Coinage in the Economy of Late-Medieval Flanders: Some Social Considerations of Public Minting.’**
Paper presented to The Stockton Colloquium of 1985: ‘Production and Transfer of Precious Metals and Changes in the Monetary Structures of Latin America and Europe, 1500-1800,’ at the University of the Pacific, Stockton, California, on 3 October 1985.

26. **‘The Behaviour of Wages During Deflation in Late-Medieval England and the Low Countries.’**

Paper presented to the Ninth International Economic History Congress, 26 August 1986, in Bern, Switzerland.

27. **‘Structural Changes in Late-Medieval Textile Manufacturing: the Flemish Responses to Market Adversities, 1300-1500.’**

Public lecture delivered at the Katholieke Universiteit Leuven (Louvain, Belgium) on 5 November 1986.

28. **‘Wage Movements and Deflation in Late-Medieval England and the Low Countries.’**

Public lecture delivered to the Universitaire Faculteiten Sint-Ignatius, Universiteit Antwerpen (Antwerp, Belgium) on 13 November 1986.

29. **‘The Central European Silver Mining Boom, Mint Outputs, and Prices in the Low Countries and England, 1450 - 1550.’**

Paper delivered to the Second International Conference on ‘The Production and Transfer of Precious Metals and Monetary Structures in Asia, America, and Europe, 15th to 19th Centuries:’ at Keio University, Tokyo, Japan, on 9 June 1987.

30. **‘Textiles, Towns, and Trade: Industrial Urbanization in the Low Countries, 1200 - 1600.’**

Paper presented to the conference ‘An Urban Context: Medieval and Modern Cities,’ organized by the Arizona Center for Medieval and Renaissance Studies and the Arizona State College of Business, at Phoenix, Arizona, on 26 March 1988.

31. **‘The Flemish ‘New Draperies’: The Death and Resurrection of an Old Industry, 13th to 16th Centuries.’**

Paper presented to the Anglo-Low Countries Conference on the New Draperies, sponsored by the Pasold Research Fund, London, and the Workshop on Quantitative Economic History, Katholieke Universiteit Leuven, at Leuven, Belgium, on 14 April 1988.

32. **‘The New Draperies: The Death and Resurrection of an Old Flemish Industry, Thirteenth to Sixteenth Centuries.’**

Paper presented to the Economic History Workshop, University of Toronto, on 24 October 1988. [Revised and extended version of no. 31]

33. **‘Oriental Spices and Their Costs in Medieval Cuisine: Luxuries or Necessities?’**

Lecture delivered to the Canadian Perspectives Committee, Senior Alumni Association, University of Toronto, at University College, 8 November 1988.

34. **‘International and Local Banking in Medieval and Renaissance England.’**
Paper delivered to the International School on the History of Banking and Finance (University of Siena-C.N.R.), at the Certosa di Pontignano, Siena, Italy, on 20 June 1989.
35. **‘Industrial Transformations in the Northern Textile Trades, ca. 1290 - ca. 1350: Economic Progress or Economic Crisis?’**
Paper delivered to the Historical Geography Research Group, Third Anglo-American Seminar on the Medieval Economy and Society, held at Chester College, Chester, England, on 15 July 1989.
36. **‘On the Origins of Negotiability: Some Credit Innovations in Anglo-Flemish Trade, c. 1360 - c. 1540.’**
Paper delivered to the Second Salzau-Kolloquium, ‘Kredit im Spätmittelalter und Früher Neuzeit,’ sponsored by Die Ministerin für Bildung, Wissenschaft, Jugend und Kultur des Landes Schleswig-Holstein und die Christian-Albrechts-Universität zu Kiel, held at the Herrenhaus Salzau, Schleswig-Holstein, 23 April 1990.
37. **‘Monetary, Price, and Wage Fluctuations during the Late-Medieval ‘Great Depression’: Did Money Matter?’**
Paper delivered to the Tenth International Economic History Congress, Session C.16: ‘The Economic Depression of the Renaissance Revisited,’ at the Katholieke Universiteit Leuven, in Leuven, Belgium, 21 August 1990.
38. **‘Urban Regulation and Monopolistic Competition in the Textile Industries of the Late-Medieval Low Countries.’**
Paper delivered to the Tenth International Economic History Congress, Session B-15: ‘Textiles of the Low Countries in European Economic History,’ at the Katholieke Universiteit Leuven, in Leuven, Belgium, on 23 August 1990.
39. **‘The International Law Merchant and the Origins of Negotiable Credit in Late-Medieval England and the Low Countries.’**
Paper presented to the Convegno internazionale: ‘Banchi pubblici, banchi privati e monti di pietà nell'Europa preindustriale: amministrazione, tecniche operative, e ruoli economici,’ held at the Università di Genova, Genoa, Italy, on 2 October 1990.
40. **‘On the Origins of Negotiability: Credit Instruments and the Law Merchant in Anglo-Flemish Commerce, 1353 - 1507.’**
Paper presented to the Economic History Workshop, University of Toronto, on 5 November 1990.
41. **‘The Belgian Archives.’**

Lecture delivered to the Centre for Medieval Studies, Sources and Resources Committee, at the Pontifical Institute for Mediaeval Studies, on 22 March 1991.

42. **‘Coinage Debasement as a Fiscal Policy: The Economics and Mechanics of Medieval Mint Manipulations.’**

Paper delivered to the 38th Annual Convention of The Canadian Numismatic Association, 1991 Educational Forum, at the Westbury Hotel, Toronto, Ontario, on 26 July 1991.

43. **‘Textiles, Towns, and Trade: Urban Institutions in the Decline of the Medieval Flemish Woollens Industry, ca. 1350 - 1500.’**

Paper delivered to the 27th International Congress on Medieval Studies, at Western Michigan University, Kalamazoo, Michigan, on 7 May 1992.

44. **‘Bimetallic Ratios, Exchange Rates, and Labour Strife in the Late-Medieval Flemish Cloth Industry.’**

Paper delivered to:

a) Annual meeting of the Medieval Academy of America, at the University of Arizona, Tucson, Arizona, on 2 April 1993.

b) Labour Economics Workshop, Department of Economics, University of Toronto, on 8 April 1993.

c) Economic History Workshop, Northwestern University, at Evanston, Illinois, on 22 April 1993.

d) Economic History Workshop, University of Illinois at Champagne-Urbana, on 23 April 1993.

45. **‘Monetary Fluctuations, Entrepreneurship, and Labor Strife in the Flemish Textile Industry, 1390 - 1435.’**

Paper delivered to the 28th International Congress on Medieval Studies, at Western Michigan University, Kalamazoo, Michigan, on 6 May 1993.

46. **‘Monetary Policies, Wage Fluctuations, and Labour Strife in the Late-Medieval Flemish Cloth Industry, 1390 - 1435.’**

Paper delivered to the Economic History Workshop, University of Western Ontario (London, Ontario): on 23 November 1993.

47. **‘Maritime and Overland Trade in Textiles between the Low Countries and Italy, 1200 - 1600: Which was the More Cost Effective?’**

Paper delivered to the 29th International Congress on Medieval Studies, at Western

Michigan University (Kalamazoo, Michigan), Session 201 ('Trade and Transit Markets in Northwestern Europe, 1350 - 1550'), on 6 May 1994.

48. **'The True Weights of the Marcs de Troyes in Late-Medieval France and Flanders: Evidence from Flemish Counterfeiting and Monetary Ordinances, 1388 - 1469'**

Paper delivered to the First International Medieval Congress, University of Leeds, Session 419: Medieval Arithmetic and Calculation, on 5 July 1994.

49. **'Urban Wage Structures in Late-Medieval England and the Low Countries: Work-Time and Seasonal Wages'**

Paper delivered to the 11th International Economic History Congress, Session B-3a, 'Labour and Leisure in Historical Perspective, Thirteenth to Twentieth Centuries,' at the Università Bocconi, Milan, on 13 September 1994.

50. **'Anglo-Flemish Competition in the International Cloth Trade, ca. 1340 - 1520: Endogenous and Exogenous Factors in the English 'Victory''**

a) Paper delivered to the Colloque d'Oxford, of the Centre Européen des Études Bourguignonnes, at St. John's College, Oxford, on 24 September 1994.

b) Revised version delivered to the Economic History Workshop, Harvard University, Cambridge, Massachusetts, on 14 April 1995.

51. **'Flemish Woollens and Hanseatic Commerce during the Later Middle Ages: Changing Trends in Markets and Cloth Prices, 1290 - 1550'** [38 pp.]

a) Paper presented to the Hanseatic conference, at the Burgkloster zu Lübeck, 10 - 12 March 1997, on *Wirtschaftliche Wechsellen im hansischen Wirtschaftsraum, 1300-1800: Vergleichende konjunkturstatistische und wirtschaftsgeschichtliche Untersuchungen zur Wirtschafts- und Handelsgeschichte im Spätmittelalter und in der frühen Neuzeit*

b) Lecture presented to the Department of History, Universiteit Antwerpen - Universiteit Faculteiten Sint-Ingatius te Antwerpen, 11 December 1997.

53. **'Real Wage Determination and the Problem of Nominal Wage-Stickiness in the Late-Medieval European Economy'**

Seminar paper delivered to the Graduate Students Workshop, ECO 4060Y, Economics Department, University of Toronto, on 27 March 1997.

52. **'The 'Industrial Crisis' of the English Textile Towns, c.1290 - c.1330'** [64 pp.]

Paper presented to the Seventh Annual Conference on Thirteenth-Century England, at St. Aidan's College, University of Durham, 1 - 4 September 1997.

53. **‘English ‘Backwardness’ and Financial Innovations in Commerce with the Low Countries, 14th to 16th centuries’** [58 pp.]
- Paper presented to the Colloque Universiteit Gent - Universiteit Antwerpen (IUAP - Stedelijke Samenlevingen in de Laatmiddeleeuwse Nederlanden): ‘Internationale Handel in de Nederlanden (14de-16de eeuw): Kooplieden, Organisatie en Infrastructure/International Trade in the Low Countries (14th-16th centuries): Merchants, Organisation, and Infrastructure: at the Universiteit Antwerpen, 13 December 1997.
54. **‘Disputes About Mint Metrology in Late-Medieval Flanders, France and England: Determining the Weight of the *Marc de Troyes* and the Tower Pound from the Economics of Counterfeiting, 1388 - 1469’** [29 pp.]
- Paper presented to the annual meeting of the Classical and Medieval Numismatics Society, at the Primrose Hotel, Toronto, on 21 February 1998.
55. **‘The ‘Industrial Crisis’ of the English Textile Towns, c.1290 - c.1330’** [64 pp.]
- A revised version of no. 52 above, delivered to the Center for Early Modern History, at the University of Minnesota (Minneapolis), on 6 March 1998.
56. **‘Precious Metals and the Origins of the Price Revolution Reconsidered: The *Conjuncture* of Monetary and Real Forces in the European Inflation of the Early to Mid-Sixteenth Century’** [56 pp.]
- Paper presented to Session B.6, ‘*Monetary History in Global Perspective, 1500 - 1808,*’ at the Twelfth International Economic History Congress in Madrid, 25 August 1998.
57. **‘The Low Countries’ Export Trade in Textiles with the Mediterranean Basin, 1200-1600: A Cost-Benefit Analysis of Comparative Advantages in Overland and Maritime Trade Routes’** [32 pp.]
- Paper presented to Session C.2: ‘*Means of Communication, Spread of Information and European and Mediterranean Commerce, 10th - 17th Centuries,*’ at the Twelfth International Economic History Congress, in Madrid, 26 August 1998.
58. **‘Determinanten der Entwicklung von Preisen, Löhnen und des Geldes, 1135-1820/ The Chief Determinants of Price, Wage, and Monetary Movements in Western Europe, 1135 - 1820: A New View of ‘Long-Waves’** [39 pp.]
- A paper presented to the conference: *Wirtschaftliche Wechsellagen im hansischen Wirtschaftsraum 1300 - 1800: Verleichende konjunkturstatistische und wirtschaftsgeschichtliche Untersuchungen zur Wirtschafts- und Handelsgeschichte im Spätmittelalter und in der frühen Neuzeit,* at Lübeck, Germany, on 30 July 1999.
59. **‘Wage-Stickiness, Monetary Changes, and Real Incomes in Late-Medieval England and the Low Countries, 1300 - 1450’** [49 pp.]

Paper presented to the international conference on '*New Trends in Late Medieval Studies*', at The Royal Danish Academy of Sciences and Letters, in Copenhagen, Denmark, on 24 August 1999.

60. **Commentator on three papers in 19th-century German Demography:**

- Stephan Klasen (Munich): 'Gender Bias in Mortality in a Comparative Perspective: Excess Female Mortality in Germany in the late 18th and early 19th Centuries'
- Terence McIntosh (North Carolina at Chapel Hill): 'Urban Demographic Stagnation in Early Modern Southwest Germany: a Computer Simulation'
- Simone Wegge, 'Self-Selection of Nineteenth-Century German Emigrants: Evidence from Nineteenth-Century Hesse-Cassel'

For papers presented at the *First Conference on German Cliometrics*, at the Centre for International Studies, University of Toronto, 23 - 26 September 1999.

61. **'The 'New Institutional Economics' and the Changing Fortunes of Fairs in Medieval and Early Modern Europe: Transaction Costs, Warfare, and Textiles'** [54 pp.]

- a) Paper presented to the Annual Conference, the 32nd Settimana di Studio, of the Istituto Internazionale di Storia Economica 'Francesco Datini', on: *Fiere e mercati nella integrazione delle economie europee, secoli XIII - XVIII*, in Prato, Italy, 10 May 2000.
- b) Revised version of the paper presented to the Economic History Workshop, Department of Economics, University of Waterloo, on 13 October 2000.

62. **'Wage Stickiness, Monetary Changes, and Real Incomes in Late-Medieval England and the Low Countries, 1300 - 1470: Did Money Really Matter?'** [93 pp.]

- a) Paper presented to the Economic History and Labour Workshops, Department of Economics, University of Toronto, on 23 February 2001.
- b) Paper presented to the Workshop in Money, History, and Finance, Department of Economics, Rutgers University (New Brunswick, New Jersey): on 26 March 2001.

63. **Commentary on and agenda for 'Symposium: New Approaches to International Trade, c. 1000 - 1500'**

For the *Seventh Anglo-American Seminar on the Medieval Economy and Society*, held at Trinity College Dublin and the Royal Irish Academy, in Dublin, 13 - 16 July 2001.

64. **'The Late Medieval Origins of the Modern Financial Revolution: Responses to Impediments from Church and State in Western Europe'**

Paper presented to the 61st Annual Meeting of the Economic History Association, on *Finance and Economic Modernization*, at Loew's Philadelphia Hotel, Philadelphia, Pennsylvania, on 26 October 2001.

65. **'Industrial Energy from Water-Mills in the European Economy, Fifth to Eighteenth Centuries: the Limitations of Power'**

Paper presented to the 34th annual meeting of the Settimana del Studio, Istituto Internazionale di Storia Economica 'Francesco Datini da Prato', on the theme *Economia ed energia, secoli XIII - XVIII*: in Prato, Italy, on 16 April 2002.

66. **'Prices, Wages, and Prospects for "Profit Inflation" in England, Brabant, and Spain, 1501 -1670: A Comparative Analysis'**

Paper presented to Session 15: 'Global Monies and Price Histories, XVIth - XVIIIth Centuries', of the XIIIth International Economic History Congress, in Buenos Aires, Argentina, on 22 July 2002.

67. **'Industrial Change in the Fifteenth- and Sixteenth-Century Low Countries: the Arrival of Spanish Merino Wools and the Expansion of the 'Nouvelles Draperies''**

Paper presented to Session 16: 'Wool: Products and Markets (XIIIth - XXth Centuries)', of the XIIIth International Economic History Congress, in Buenos Aires, Argentina, on 26 July 2002.

68. **'Postan, Population, and Prices in Late-Medieval England and Flanders'**

Paper presented to the Colloque de Montréal: *Postan-Duby: Destin d'un paradigme. Peut-on comprendre les crises économiques de la fin du moyen âge sans le modèle malthusien?* Montréal: Université de Québec à Montréal, 10 October 2002.

69. **'The Late-Medieval Origins of the Modern Financial Revolution: Overcoming Impediments from Church and State'**

Paper presented to the Economic History Workshop, Department of Economics, University of Toronto: in the Coach House Conference Room, on 17 April 2003.

70. **'Builders' Wages in Southern England and the Southern Low Countries, 1346 - 1500: A Comparative Study of Trends in and Levels of Real Incomes'**

Paper presented to the the 36th annual meeting of the Settimana del Studio, Istituto Internazionale di Storia Economica 'Francesco Datini da Prato', on the theme *Economia ed energia, secoli XIII - XVIII*: in Prato, Italy, on 30 April 2004, on the theme: *L'Edilizia prima della Rivoluzione Industriale, Seccoli XIII-XVIII, Prato, 26-30 aprile 2004*.

F. CONFERENCES ORGANIZED

1. Workshop on 'Medieval Monetary Problems: Bimetallism and Bullionism:' for the 42nd Annual Meeting of the Economic History Association, at Baltimore, Maryland, on 23 - 24 September 1982.
2. Annual Conference, Centre for Medieval Studies, University of Toronto, on: 'Medieval Urban Society.' Held at Alumni Hall, St. Michael's College, University of Toronto, 1 - 2 March 1985.
3. Conference Session B-15: 'Textiles of the Low Countries in European Economic History,' for the Tenth International Economic History Congress, held at the Katholieke Universiteit Leuven, Belgium, on 23 - 24 August 1990.

F. RESEARCH PROJECTS IN PROGRESS: Current Activities

(1) 'Wage Structures and Wage Movements in Late-Medieval England and the Low Countries: 1260 - 1530'

In connection with this project, I spent the months of July and August 1995 doing the following archival research, using my IBM notebook computer and Quattro Pro 6.0/Win spreadsheet programme:

a) in the Archives of the London School of Economics (British Library of Economic and Political Science), on the research papers of the long defunct Beveridge Price and Wage Research Commission: using edited documents on English wages from about 1220 to 1600, both rural (i.e. manorial) and urban:

i) from 2 July to 20 July 1997. I continued with the research that I had commenced in 1994, this time working principally on London (Westminster) and various manorial wage accounts (Battle Abbey and various Winchester manors), finding a great deal of information on wage payments in kind as well as in money. My primary object for this research venture was to collect evidence on wage payments in kind, as supplements to money-wage payments.

ii) from 3 August - 21 August 1998: I completed my research on the remaining wage-data accounts for the medieval and early modern periods, up to 1700.

b) in The Algemeen Rijksarchief (Archives Générales du Royaume) in Brussels, from 20 July to 20 August 1997: research on wage payments recorded in the town accounts of several Flemish towns during the 14th, 15th, and early 16th centuries. Again I completed research commenced in 1994, principally on: (i) Aalst (Alost), for 1400 - 1510, and (ii) the Flemish town of Vuerne, from 1395 to 1520. [Note: on previous research trips I had collected industrial wage data for the larger towns of Bruges, Ghent, Ypres, Mechelen, Antwerp, Leuven; and wage data on the textile industries].

I also did supplementary research on the Flemish textile industry and on Flemish mint accounts (for project nos. 2 and 4 below).

Financed by a Connaught Research Grant (1993-94) and a three-year SSHRC grant (1993-96), I have been gathering data on late-medieval wages, urban and rural, in both England and the Low Countries, principally to test and refute the proposition that depopulation from the bubonic plagues (Black Death) produced an immediate rise in real wages, i.e. after 1348. My now extensive research indicates the contrary, some fall in real wages in the generation following the Black Death and no sustained rise in real wages until the very late-fourteenth, early fifteenth centuries, when post-Plague inflations were followed by deep and prolonged deflation. The initial and major rise in real wages was principally though not universally the consequence of institutional 'wage-stickiness' during persistent deflation. I have been examining evidence on adjustments to real wages in terms of hours worked (or extensions of leisure opportunities), supplementary payments in kind (food, drink, clothing); and institutional factors involved in creating apparent conditions of 'wage-stickiness.' My work has been chiefly focused on industrial wages, and chiefly in the textile and building trades.

(2) **Project No. 2: 'Recasting the Phelps Brown-Hopkins Price-Index for the 'Basket of Consumables', 1264 - 1700'**

The famous Basket of Consumable price-index, for the period 1264 - 1954, that Henry Phelps Brown and Sheila Hopkins published in *Economica* in 1956 has been widely used by several generations of economic historians and economists in Europe and North America. Subsequently, Prof. Herman Van der Wee constructed a similar price index for the Antwerp-Lier region of southern Brabant, for the period 1400 - 1700, using a basket of commodities as similar as possible to that employed by Phelps Brown and Hopkins, with one major difference. While Phelps Brown and Hopkins constructed a composite price index consisting of disembodied index numbers (not directly connected) to commodity prices, Prof. Van der Wee provided the prices for all the commodities in the index, year by year, and the total value of the basket, in Brabantine money-of-account. His composite price index was thus constructed from the annual value of the total basket, using the same base period for the index as that employed by Phelps Brown and Hopkins, i.e. the mean of prices for 1451 - 1475 = base 100. Subsequently I myself followed the Van der Wee model to construct a composite 'basket of consumables' price index for Flanders, for the period 1350 - 1500. Those two price-indices enabled me to compare the actual purchasing power of wages in the various Flemish and Brabantine towns during the later-medieval and early modern eras: i.e. I can show how many of these 'baskets' a master mason, carpenter, tiler, road-paver, fuller, etc. could purchase in the course of a year (on the assumption that they worked about 220 days) a year. The same comparison cannot, however, be made for England, since we do not know the price of the 'basket of consumables' associated with the composite index number for each year in the Phelps Brown and Hopkins index. [Subsequently, they did publish the annual index numbers for the six components of their composite price index, but again without the prices for these commodities].

In working in the Archives of the British Library of Political and Economic Science (the LSE) in the summer of 1994, Mrs. Phelps Brown invited the Archives to receive her husband's research papers; my advice was solicited and I readily encouraged the Archives to accept this collection.

i) 4 August - 4 September 1997: I spent this month going through all the research papers and preliminary tables to reconstruct both the component price indices and the composite price index by the model established by Prof. Van der Wee, using the Quattro Pro 6.0 spread-sheet programme.

ii) 3 August - 21 August; 1 September 1998: I returned to the BLPES Archives at the beginning of August 1998 in order to complete this project up to the year 1800, while also completing my project on collecting wage and price data from the Beveridge Collection, as noted above; and after returning from the International Economic History Congress in Madrid, I completed my research on this project, on 1 September 1998

I have thus been able to calculate how much each commodity unit in the basket cost each year from 1264 to 1800 and thus to calculate the total value of the basket (whose components do change over time) for this period; and I have thus also reconstructed the index numbers accordingly, for each of the commodities in the basket, for the six-component price indices, and for the composite price index. In constructing their own price-index, Phelps Brown and Hopkins, and encountering the problem of missing price data, largely avoided interpolation, preferring to let some other commodity or sub-component 'carry the weight'. Thus, for example, meat (pork, mutton, beef) was given a weight of 21 points and fish a weight of 4 points, with a total of 25 for this component; and if fish prices were missing, then meat products took over the entire weight of 25 points. But in my view, since the behaviour of meat and fish prices varied so greatly, simple interpolation (or estimations of missing data by a least-square regression) is far preferable. Indeed it can be fairly said that Phelps Brown and Hopkins constructed their price index with generally scant regard for the actual basket (or units in the basket) that they published; and in using this basket in the manner described above my index numbers often necessarily differ from theirs. But the most important achievement is to enable to compare, in direct physical quantities of consumption, the actual purchasing power of wages in southern England, Flanders, and Brabant, for the period 1350 to 1700.

(3) **Project No. 3: 'The Mint Outputs and Monetary Statistics of the Low Countries, 1334-1789'**

This is a multi-volume computer project, undertaken by Prof. Eddy Van Cauwenberghe (Brussels-Leuven), Dr. Rainer Metz (Köln), and myself. The aim is to publish in tabular form all of the mint-output and monetary data contained in the mint accounts of the Low Countries, from the first extant Flemish mint account, in 1334, to the cessation of these accounts, with the French Revolution, in 1789. My section concerns the mint accounts of the Low Countries from 1334 to 1495. I have already processed all of the mint and monetary data from the manuscript records of the mint accounts from 1334 to 1495.

In the previous summer (August 1994), I had attempted to verify the remaining sets of mint accounts, i.e. those not previously checked. But lack of time, combined with some missing records and faults in my Quattro Pro mint-account programme forced me to postpone completion of this project until my return visit in July-August 1995. This past summer, armed with the correct documents, notes, and computer programme, I did manage to complete this verification task (working principally on the entire set of 15th-century Ghent mint accounts).

(4) **Project no. 4: Cloth Prices in the Low Countries (1300 - 1570) for: Forschungsprojekts 'Wirtschaftliche Wechsellen im hansischen Wirtschaftsraum, 1300 - 1800'**

I have agreed to supply Dr. Rolf Hammel-Kiesow, of the Amt für Kultur, Forschungsstelle für die Geschichte der Hanse und des Ostseeraums, Der Senat Hansestadt Lübeck, and his associates, with my several thousands of cloth-price data for various towns in the Low Countries, beginning with Ghent (1302-1570), Mechelen (1315-1551), and Leiden (1372-1570); and to finance my expenses for a research-assistant, he has provided me with a research grant of about \$3,500 (originally: 4,000 DM) from a Volkswagen-Stiftung a grant of 34,680 DM, which his group has received for the above-named general research project. The Ghent project has now been completed; and my Research Assistant is now working on the Mechelen cloth price data (1315-1551).

III. **TEACHING EXPERIENCE AT THE UNIVERSITY OF TORONTO (FROM 1968)**

Presented in chronological order, for each section.

A. **Undergraduate Courses**

- **ECO 122:** 'Economic History of Europe, 700-1914:'

Taught in 1968-69 only, in the last year of the Old Honours Programme.

- **ECO 200:** 'Economic History of Europe, 700-1914:'

Basically the same course as Eco 122, taught in 1968-69 only, in the last year of the Old General Programme.

- **ECO 338:** 'Economic History of Europe, 700-1914:'

Taught in 1969-70 only, jointly with Prof. A. M. Watson; essentially a senior under-graduate version of the courses listed above.

- **ECO 101:** 'Economic History of Europe, 700-1914:'

A course essentially the same as ECO 122, 200, 338 above, given in 1971-72 only.

- **ECO 320:** 'Problems in the Economic and Social History of Modern Europe:'

A senior undergraduate seminar course on selected problems, given in 1971-72 only.

- **ECO 101Y:** 'Economic Development of Modern Europe, 1450-1939:'

Given from Sept. 1972 to April 1977.

- **ECO 303Y:** 'The Age of Mercantilism'.

The undergraduate component of my graduate course ECO 2212 (see below), given from Sept. 1973 to May 1976.

- **ECO 303Y:** 'Dynamics of the European Economy, 1350-1750'.

A revised version of the former ECO 303Y, given from September 1976 to June 1985 under this number.

- **ECO 101Y:** 'Economic History of Modern Europe, 1450-1914:'

A revision of the previous course, expanding the early-modern period and deleting the post-1914 period (now covered in ECO 342), given from Sept. 1977 to June 1991.

- **ECO 453Y:** 'Dynamics of the European Economy, 1300 - 1750.'

Essentially the same course as Eco 303Y, restructured for senior undergraduates, in conjunction with the graduate seminar ECO 2212Y. Given from Sept. 1985 to the present.

- **ECO 203Y:** 'Economic History of Modern Europe, 1450-1914:'

A revised version of the former ECO 101Y, providing an historical study of modern European economic development up to World War I, focusing upon the origins and nature of modern urban industrialization. Given from September 1991 - to June 1993.

- **ECO 203Y:** 'The Economic History of Modern Europe, 1750 - 1914:'

A further revision of Eco 101Y/203Y, to focus on modern European economic development from the Industrial Revolution to World War I. Given from January 1995 to May 1997.

- **ECO 201Y:** 'The Economic History of Late-Medieval and Early-Modern Europe, 1300 - 1750':

A new course, given from 1996, partly incorporating the first half of the old versions of ECO 203Y and ECO 101Y, but with totally revised lectures and reading topics.

- **ECO 301Y:** 'The Economic History of Late-Medieval and Early-Modern Europe, 1300 - 1750':

Given from September 2004; the same course as ECO 201Y, but elevated to the third-year, with corresponding pre-requisites (ECO 200Y/206Y, plus seven other courses.)

- **ECO 303Y:** 'The Economic History of Modern Europe, 1750 - 1914.'

Given from September 1997, as a revised version of the former Eco. 203Y, on the industrialization of modern Europe to 1914, with corresponding pre-requisites (ECO 200Y/206Y, plus seven other courses.)

B. Graduate Course Offerings

- **ECO 2000:** 'Problems in European Economic History'.

Graduate research seminar given with Profs. Karl Helleiner and Andrew Watson in 1968-69 only.

- **ECO 2210:** 'Problems in Medieval European Economic History, 1100-1500.'

A graduate research seminar given with Profs. Helleiner and/or Watson in 1969-70, 1971-72, and 1975-76.

- **ECO 2212Y:** 'The Age of Mercantilism':

Given from September 1972 to May 1976 and subsequently revised as the following:

- **ECO 2212Y:** 'Dynamics of the European Economy, 1300-1750.'

Given from September 1976 to May 1996: a graduate research and pro-seminar, with an intensive study of the literature and documents of West European economic and social history from the late-medieval 'Great Depression' to the eve of the modern Industrial Revolution.

- **ECO 2210Y:** 'Topics in the Economic and Social History of Medieval and Renaissance Europe, 1250 - 1600'

A new graduate research and pro-seminar, given from September 1996 to May 2002.

C. GRADUATE STUDENTS SUPERVISED:

* principal supervisor, or co-principal.

* (1) **GROENWALD, Mr. Harry: Department of History.**

Dissertation topic: 'The English Merchants Adventurers at Rotterdam in the Sixteenth and

Seventeenth Centuries.’

Co-supervision with Prof. Julian Dent, Department of History, 1971-77. Mr. Groenwald successfully defended his thesis in February 1977.

- * (2) **KUSSMAUL, Ms. Ann: Department of Political Economy (Economic History programme).**

Dissertation topic: ‘Servants in Husbandry in Early-Modern England’.

Thesis supervisor from 1972 to 1978. Thesis was successfully defended in June 1978, and was subsequently published in revised form by Cambridge University Press (1981).

- (3) **CUENCA, Mr. Javier: Department of Political Economy (Economic History programme).**

Dissertation topic: ‘Spanish Trade and Commercial Policy, 1765-1826.’

In January 1978, I replaced Prof. Jon Cohen on his thesis board (with Prof. Andrew Watson as principal supervisor); and I assisted Mr. Cuenca in the preparation of his first draft, did a critique of that draft, and then served as the Internal Appraiser for the Final Oral Examination of his dissertation, which was successfully defended in May 1978.

- * (4) **FARRELLY, Mr. Robert: Department of Sociology.**

Dissertation topic: ‘English Landed Elites in the Nineteenth Century: Social, Economic, and Political Changes.’

Co-supervision with Prof. Harry Nishio of the Department of Sociology and Prof. Richard Helmstadter of the Department of History, from September 1976. The thesis was successfully defended in May 1980.

- * (5) **OCHS, Ms. Kathy: Institute for the History and Philosophy of Science and Technology.**

Dissertation topic: ‘The Failed Revolution in Applied Science: Studies of Industry by Members of the Royal Society of London, 1660-1668’.

Co-supervision, with Profs. Trevor Lavere and Bert Hall of the Institute for the History and Philosophy of Science, from November 1977. Her thesis was successfully defended in October 1981.

- (6) **KOWALESKI, Ms. Maryanne: Centre for Medieval Studies.**

Dissertation topic: ‘Local Markets and Merchants in Late Fourteenth-Century Exeter’.

Supervising member of her PhD thesis board, with Prof. Ambrose Raftis of the Pontifical Institute of Medieval Studies as principal supervisor, since Spring 1978. Later, I read

through and criticized her first draft of the thesis; and then I served as the Internal Appraiser of her thesis for the Final Oral Examination, on 16 April 1982.

* (7) **CARLIN, Ms. Martha: Centre for Medieval Studies.**

Dissertation topic: 'The Urban Development of Southwark, c. 1200-1550'.

Principal thesis supervisor (with supervision also by Profs. Michael Powicke of History and George Rigg of the Centre for Medieval Studies), from June 1977. Final oral examination: 4 November 1983.

(8) **ELBL, Mrs. Ivana: Department of History.**

Dissertation topic: 'West Africa and the Portuguese Trade, 1440-1521'.

I served as an advisor on her thesis board, reading and commenting on drafts of her thesis; and as the Internal Appraiser. The thesis was successfully defended on 12 February 1986.

(9) **GALASSI, Mr. Francesco: Department of Economics (Economic History programme).**

Dissertation topic: 'Reassessing Mediterranean Agriculture: Stagnation and Growth in Tuscany, 1870-1914.'

I served on his thesis board (Jon Cohen, principal supervisor), providing advice and suggestions for revisions; and served on his Final Oral Examination Board, 11 May 1987.

(10) **DEVRIES, Mr. Kelly: Centre for Medieval Studies.**

Dissertation topic: 'Perceptions of Victory and Defeat in the Southern Low Countries during the Fourteenth Century: A Historiographical Comparison.'

I served on his thesis board (Michael Powicke and Bert Hall, supervisors), and served on his Final Oral Examination Board, 7 October 1987.

(11) **SULLIVAN, Ms. Lisa: Department of Economics (Economic History Programme).**

Dissertation topic: 'The Fruit of Their Hands: The Role of Labor Ideology in the Development of Cistercian Labor Practices and Policy, 1098 - 1235.'

(Prof. Andrew Watson, principal thesis supervisor.) I served as an advisory member of her thesis board, reading and commenting on several drafts of her thesis. I was also the Internal Appraiser of the thesis, serving on the Final Oral Examination Board, 22 November 1988.

(12) **MASSCHAELE, Mr. James: Centre for Medieval Studies.**

Dissertation topic: 'A Regional Economy in Medieval England.'

I served as an advisory member of his thesis board from October 1987 (Prof. Ambrose Raftis, principal thesis supervisor). Having read and commented on all drafts of his dissertation, I also served on the Final Oral Examination Board, on 10 November 1989, when the thesis was successfully defended.

(13) **GATES, Ms. Laura (Lori) Ann: Department of History.**

Dissertation topic: ‘A Glastonbury Estate Complex in Wiltshire: Economic and Social Relations on the Medieval Manor.’

I served as an advisory member of her thesis board from October 1987 (Prof. Ambrose Raftis, principal thesis supervisor). Having read and commented on the draft versions of her dissertation, I also served on the Final Examination Board, on 28 January 1991, when the thesis was successfully defended.

(14) **BARDOEL, Ms. Agatha: Centre for Medieval Studies**

Dissertation topic: ‘The Visionary Writings of Hadewijch of Brabant (ca. 1250): Her Expression of the *Union Mystica* in the Context of the Plotinian and Augustinian Models.’

I served as an advisory member of her thesis board from March 1986 (Prof. Paul J. Fedwick, Supervisor) and on her Final Examination Board, on 31 January 1992.

* (15) **ARMSTRONG, Mr. Lawrin D.: Centre for Medieval Studies.**

Dissertation topic: ‘The *Tractatus de materia montis* of Lorenzo Ridolfi: Edited from Florence, Biblioteca nazionale centrale, fondo principale, II, III, 366.’

Thesis supervisor from July 1988. Dissertation completed October 1995. Successfully defended his dissertation at the Final Oral Examination on 5 January 1996 (when the dissertation was accepted ‘as is’, without changes). Subsequently, this thesis received the Dissertation Prize: Ancient and Medieval Fields [as the best submitted in this field], at the Twelfth International Economic History Congress in Madrid, on 26 August 1998; and it has now been published, in much revised form, by the Pontifical Institute of Mediaeval Studies Press (Toronto, 2003).

(16) **OSMANN, Mr. Michael Peter: Centre for Medieval Studies**

Dissertation topic: ‘Personal Wealth in Hurstingstone Hundred, Huntingdonshire, 1479 - 1558: A Study in Continuity in the Early Tudor Countryside.’

Although the principal supervisor of this dissertation is Prof. Ambrose Raftis of the Pontifical Institute of Mediaeval Studies, I have served in effect as the co-supervisor, since both the candidate and supervisor required my supervision for the extensive economic analyses in the thesis. I have read through and very extensively commented on the original draft, penultimate, and final versions of this dissertation, comprising 325 pages.

I also served as the Internal Appraiser for the Final Oral Examination, which was

successfully held on 14 June 1996.

* (17) **TAGLIA, Ms. Kathryn Ann: Centre for Medieval Studies.**

Dissertation topic: 'The Child and the Church: Child Socialization Patterns and Definitions of Childhood Found in Synodal and Conciliar Legislation from Northern France, 1200-1500.'

Thesis supervisor from April 1989. Five chapters of the dissertation have now been submitted. She is currently at the University of New Brunswick, where her husband holds an academic post in the English Department.

* (18) **WAKELIN, Mrs. Lucile: Centre for Medieval Studies**

Dissertation topic: 'Standards of Living in the Commune of Namur, 1263 - 1429.'

Principal thesis supervisor from July 1994. Dissertation successfully defended on 23 January 1998, at the Final Oral Examination of the School of Graduate Studies; and her PhD degree was awarded on 11 June 1998.

(19) **OTTO, Mr. Harold Arthur: Department of History**

Dissertation topic: 'Economics and Technology in Merchant Shipping in the Eighteenth Century Northern Bulk Trades.'

Co-Member of his PhD dissertation committee (along with Prof. Julian Dent, Department of History, principal supervisor; and Professor Bert Hall, Institute for the History and Philosophy of Science and Technology): from 30 April 1996. This student passed his PhD Comprehensive examinations in May 1996, and has met his language and all other requirements, except for the dissertation.

(20) **TENG, Jimmy: Department of Economics**

Dissertation topic: 'Three Essays on the State'

Member of his advisory committee from March 1996; and also a member of the examination committee for his Final Oral Examination on 23 January 1997, which he passed successfully, so that he obtained his PhD degree in June 1997.

* (21) **THOMPSON, Mr. Edward Joel: Centre for Medieval Studies**

Dissertation topic: 'Aberdeen's Economic Fortunes, 1398 - 1447.'

Principal supervisor of his PhD dissertation committee from June 1997. Having successfully passed his Major Field examination on 16 February 2001, and having had his PhD dissertation proposal accepted on 5 February 2001, he is now doing research on this dissertation topic.

* (22) **FORBES, Jennifer (Centre for Medieval Studies)**

Dissertation topic: 'The Economic and Social Lives of Building workers in French Flanders and Artois, 1300-1400.'

Principal supervisor of her PhD thesis committee [with Professor Bert Hall, IHPST; and Professor Malcolm Thurlby, York University]: from 1 January 1998. This student has temporarily suspended her graduate studies.

* (23) **MASEMANN, Charlotte (Centre for Medieval Studies)**

Dissertation topic: 'Garden Produce in Medieval Ghent and Lübeck'

Principal supervisor of her PhD thesis committee [with Professor Bert Hall, IHPST; and Prof. Richard Hoffmann, Department of History, York University]: from 1 January 1998. She passed her Major Field examination, on 24 September 1998, with distinction. After spending a year doing research in Germany and Belgium, and two years in writing her chapters, she has now completed her dissertation, which she will be defending in the Fall of 2004.

(24) **PAUL, Jeffrey (Centre of Medieval Studies)**

Dissertation Topic: 'The Catalan City of Manresa in the Fourteenth Century: a Political, Social, and Economic History'.

Thesis committee: Professor Mark Meyerson (History), principal supervisor; John Munro (Economics), and Nick Terpstra (History), co-supervisors.

This student has completed all language, course, and PhD examinations. After spending a year in the Barcelona Archives, he has now completed nine chapters of his dissertation, in first draft (as of May 2004). He will soon produce both the introduction and conclusion of this thesis.

* (25) **KRUG, Ilana (Centre for Medieval Studies)**

Dissertation Topic: 'Royal Prerogative Gone Astray: The Economic and Social Impact of Purveyance on the English Peasantry at the Beginning of the Hundred Years War'.

Principal supervisor of her PhD thesis committee [with Professors Michael Gervers (CMS) and Joseph Goering (History)], from 1 July 2001.

This student completed all her language requirements (Latin, French, German) and passed her Major Field examination on 7 February 2003, on the theme of: 'The Evils of the Times: English Society from 1272 to 1399 (Edward I to Richard II)'.

She is currently working on her dissertation (PhD proposal accepted on 9 December 2002); and she spent the summer of 2003 working in the Public Record Office (London, England).

Since I am not permitted to accept supervision of new doctoral dissertations after my retirement, on 30 June 2003, she is therefore my final PhD student

IV. SERVICE ON UNIVERSITY COMMITTEES: UNIVERSITY OF TORONTO

- Library Representative, Economics, Dept. of Political Economy, 1971-76.
- Elected Member of the General Committee of the Faculty of Arts and Science: July 1971 to June 1974.
- Acting Supervisor of Graduate Studies in Economic History, Dept. of Political Economy, July 1972 to August 1973.
- Convener of the Undergraduate Programme in Economic History, from September 1973 to December 1974, 1982 - 86, 1987 to the present.
- Member of the Users' Committee of the Robarts Library, September 1974-77.
- Member of the Research Board of the University of Toronto, and of the Humanities and Social Sciences Sub-committee, September 1974 to June 1977.
- Member of the decanal committee to establish an undergraduate programme in Medieval Studies, in 1975.
- Member of the CMS Director's committee to review the relationships between the Centre for Medieval Studies and the Pontifical Institute of Medieval Studies, in 1976 (known as the 'Stagg Committee' after the chairman, Prof. Geoffrey Stagg).
- Member of the Programme Committee of the Undergraduate Programme of Medieval Studies (administered by St. Michael's College), September 1976 to May 1977.
- Associate Director of the Centre for Medieval Studies, July 1976 to June 1979.
- Chairman, Academic Programme Committee, Centre for Medieval Studies, July 1976 to June 1979.
- Member of Admissions and Fellowships Committee, CMS, 1976-79
- Member of the Latin Committee and Steering Committee, CMS, 1976-79
- Member of the Degree Committee, Faculty of Graduate Studies, Division I, September 1977 to September 1978.
- Member of the Curriculum Committee, Economics Division, Department of Political Economy, 1980-81.
- Member of the Recruiting Committee, Economics Division, Department of Political Economy, 1981-82.

- Chairman of the Review Committee for the Centre for Medieval Studies, 1981-82. Report submitted October 1982.
- Member of the SGS Decanal Review Committee and Search Committee for the Centre for Medieval Studies, October 1982 to March 1983.
- Member of the Curriculum Committee, Department of Economics, 1982.
- Member of the Teaching Loads Sub-Committee, Department of Economics, 1984.
- Supervisor of Graduate Studies in Economic History, July 1984 to June 1986.
- Member of the Executive Committee and of the Institute Council, Institute for the History and Philosophy of Science and Technology, September 1983 to June 1985.
- Chairman of the Conference Committee and Member of the Steering Committee, Centre for Medieval Studies, April 1984 to June 1985.
- Member of the Departmental Promotions Committee, Department of Economics, October 1984 - June 1986; and again from July 1987 to June 1988.
- Member of the Departmental Recruiting Committee, Department of Economics, October 1984 to June 1985.
- Convener of the Economic History Workshop, July 1984 - June 1986; and again from July 1987 to June 1993.
- Member of the Academic Programme Committee: Policy Subcommittee of the Centre for Medieval Studies, from July 1987 to June 1991.
- Member of the Conference Committee, Centre for Medieval Studies, July 1987 to June 1988.
- Member of the Curriculum Committee of the Department of Economics, from July 1987 to June 1991.
- Member of the Graduate Committee of the Department of Economics, from July 1987 to June 1993.
- Supervisor of Graduate Studies in Economic History from July 1987 to June 1993.
- Representative for the Dean of Arts and Science on the European Field Search Committee of the Department of Political Science, October 1992 to February 1993.
- Member of the Dean of Arts's Search Committee to select a new Chair of the Department of Economics, November 1993 to February 1994
- Member of the Steering Committee, Centre for Medieval Studies, University of Toronto, from September 1994 to June 2003 [ceasing membership on retirement]

- Member of the Conference Committee, Centre for Medieval Studies, University of Toronto, from May 1995 to April 1996.
- Dean of Arts and Science's Representative on the Medieval Search Committee, Department of History, November 1994 - April 1995.
- Economics departmental representative on the Council of the Faculty Association of the University of Toronto, from November 1997 to June 2001.
- Member of the Salaries and Benefits Committee of the Faculty Association of the University of Toronto, from November 1997 to June 2001.

V. SERVICE ON ACADEMIC INSTITUTIONS OUTSIDE THE UNIVERSITY OF TORONTO

- Member of the Nominating Committee for the 1984-85 Executive elections of the Economic History Association (USA).
- Chair of the Economic History Committee, Canadian Economics Association, July 1988 to June 1990; and member of this Committee, September 1985 to June 1990.
- Convener and organizer of Session B.15: 'Textiles of the Low Countries in European Economic History,' for the 10th International Economic History Congress, held at Leuven, Belgium, 23 - 24 August 1990.
- Elected Councillor, Medieval Academy of America, 1990 - 1993; member of the Executive Council, 1992-93.
- Elected Member of the Comitato Scientifico, Istituto Internazionale di Storia Economica Francesco Datini da Prato, from 15 March 1999. Appointed to the Giunta or Executive Board in April 2003.
- Medieval economic-history field editor for the *Oxford Encyclopedia of Economic History* (Prof. Joel Mokyr, general editor), from September 1995 to April 2003 (5 volume set published in July 2003).
- Member of the editorial board of *Textile History*, 1982 - 1997.
- Member of the editorial board of *Explorations in Economic History*, from January 1998.
- Member of the editorial board of *The Collected Works of Erasmus*, University of Toronto Press, from July 1999.
- Member of the editorial board of *The International History Review*, from 1 July 2000 to 30 June 2003 (three-year term).
- Referee for the following journals:

American Historical Review, Arizona Studies in Medieval and Renaissance History, The Economic History Review, Explorations in Economic History, The International History Review, The Journal of Economic History, Mediaeval Studies, Speculum, Textile History, Law and History Review.

- Referee for the following university presses:

Cambridge University Press, Harvard University Press, Yale University Press, The Johns Hopkins University Press, Princeton University Press, University of Chicago Press, Nebraska University Press, University of Toronto Press..