

Publications – Pamela O. Long

Books

Engineering the Eternal City: Infrastructure, Topography, and the Culture of Knowledge in Late Sixteenth-Century Rome (Chicago: University of Chicago, 2018) [**Sidney M. Edelstein Prize from the Society for the History of Technology; The Bridge Book Award from the Casa Della Letteratura, Rome and the Center for Fiction, NYC – category American non-fiction; Howard R Marraro Prize from the American Catholic Historical Association; Spiro Kostof Book Award from the Society of Architectural Historians**].

Artisan/Practitioners and the Rise of New Sciences, 1400-1600 (Corvallis, OR: Oregon State University Press, 2011)

(Co-edited and co-authored with David McGee and Alan M. Stahl), *The Book of Michael of Rhodes: A Fifteenth-Century Maritime Manuscript*, 3 vols. (Cambridge, MA: MIT Press, 2009) [**Eugene S. Ferguson Prize from the Society for the History of Technology; J. Franklin Jameson Prize awarded by the American Historical Association**]

(With Brian Curran, Anthony Grafton, and Benjamin Weiss) *Obelisk: A History* (Cambridge, MA: MIT Press, 2009)

Openness, Secrecy, Authorship: Technical Arts and the Culture of Knowledge from Antiquity to the Renaissance (Baltimore: Johns Hopkins University Press, 2001) [**Morris D. Forkosch Prize for the best book in intellectual history published in 2001 awarded by the *Journal of the History of Ideas***]

Technology, Society and Culture in Late Medieval and Renaissance Europe, 1300-1600 (Washington, D.C.: Society for the History of Technology, and American Historical Association, 2000)

Technology and Society in the Medieval Centuries: Byzantium, Islam and the West, 500-1300 (Washington, D.C.: Society for the History of Technology, and American Historical Association, 2003)

[Editor] *Science and Technology in Medieval Society*, *Annals of the New York Academy of Sciences*, vol. 441 (New York, 1985)

Translations

(With Chiara Bariviera). *An English Translation of Luca Peto Jurisconsul, De restitutione Ductus Aquae Virginis* (Rome: Bartholomaeus Tosius, 1570). (*On the Restoration of the Conduit of the Acqua Vergine*) In Katherine W Rinne, ed. *The Waters of Rome*, No. 11, May 2020.
<http://www3.iath.virginia.edu/waters/first.html>

(With Chiara Bariviera), *An English Translation of Agostino Steuco's De Aqua Virgine in Urbem revocanda (Lyon: Gryphius, 1547) [On Bringing Back the Acqua Vergine to Rome]* In Katherine W. Rinne, ed. *The Waters of Rome*, No. 8, August 2015.
<http://www3.iath.virginia.edu/waters/first.html>

Articles

“The Built Environment: Structures, Materials, Meaning,” in Ann Olga Koloski-Ostrow and Rabun M. Taylor, eds., *A Cultural History of Technology in Antiquity (2.5 MBCE-600 CE)*, Vol. 1 of *A Cultural History of Technology*, 6 Vols, ed. Jennifer Alexander, Amy Bix, Suzanne Moon, and William Storey (London: Bloomsbury, forthcoming)

“Work, Power, Energy,” in Gerrit Jasper Schenk, ed. *Oceanic Age*, vol. 3 of *A Cultural History of the Environment*, ed. Greg Bankoff and Stephen Mosley, 6 Vols. (London: Bloomsbury, forthcoming)

(with Tina Asmussen), “Introduction: The Cultural and Material Worlds of Mining in Early Modern Europe.” Special Issue, *Renaissance Studies* 35 (2020): 1-23.

(with Andrew Morrall), “Craft and Technology in Renaissance Europe,” in Gordon Campbell, ed. *Oxford Illustrated History of the Renaissance* (Oxford: Oxford University Press, 2019), 338-377.

“Multi-Tasking ‘Pre-Professional’ Architect/Engineers and other Bricologic Practitioners as Key Figures in the Elision of Boundaries between Practice and Learning in Sixteenth-Century Europe: Some Roman Examples,” in Matteo Valleriani, ed. *Structures of Practical Knowledge* (Dordrecht: Springer, 2017), 223-246.

“Architecture and the Sciences,” In Alina Payne, ed., *The Companion to Renaissance Architecture* (Malden, MA: Wiley-Blackwell, 2017), 191-219.

“Trading Zones in Early Modern Europe,” Karel Davids, ed., “Focus: The Relationships between Economic History, the History of Science, and the History of Technology” *Isis* 106 (December 2015): 840-847.

“Science and Technology,” In Bruce R. Smith, ed. *The Cambridge Guide to the Worlds of Shakespeare*, Vol. 1: *Shakespeare's World, 1500-1660* (Cambridge: Cambridge University Press, 2015), 247-257.

“Trading Zones: Arenas of Exchange during the Late-Medieval/Early Modern Transition to the New Empirical Sciences,” *History of Technology* 31 (2012): 5-25.

“Technological Transmission in China and Europe: A Comparative View,” in *Cultures of Knowledge: Technology in Premodern China*, edited by Dagmar Schäfer (Leiden: Brill Academic Publisher, 2011), 77-86.

“The Craft of Premodern European History of Technology: Past and Future Practice,”
Technology and Culture 51 (July 2010): 698-714.

“Engineering, Patronage, and the Authorship of Practice in Early Counter-Reformation Rome,”
in *Conflicting Duties: Science, Medicine, and Religion in Rome, 1550-1750*, ed. M. P. Donato
and J. Krayer (London: Warburg Institute, 2009), 9-34.

“Hydraulic Engineering and the Study of Antiquity: Rome: 1557-1570,” *Renaissance Quarterly*
61(2008): 1098-1138.

“Picturing the Machine: Francesco di Giorgio and Leonardo da Vinci in the 1490s” in *Picturing
Machines, 1400-1700*, ed. Wolfgang Lefèvre (Cambridge, Mass.: MIT Press, 2004), 117-141.

“The Cultural Uses of Invention in Early Modern Europe” in *Les Chemins de la nouveauté:
Innovate, inventer au regard de l'histoire*, ed. Liliane Hilaire-Pérez and Anne-Françoise Garçon
(Paris: Comité des Travaux Historiques et Scientifiques, 2003), 293-311.

“Objects of Art/Objects of Nature: Visual Representation and the Investigation of Nature” in
Merchants and Marvels: Commerce, Science and Art in Early Modern Europe, ed. Pamela H.
Smith and Paula Findlen (New York: Routledge, 2001), 63-82.

“Invention, Secrecy, Theft: Meaning and Context in Late Medieval Technical Transmission,”
History and Technology 16 (2000): 223-241.

"Openness and Empiricism: Values and Meaning in Early Architectural Writings and in
Seventeenth-Century Experimental Philosophy" in *The Architecture of Science*, ed. Peter Galison
and Emily Thompson (Cambridge: MIT Press, 1999), 79-103.

"Power, Patronage, and the Authorship of *Ars*: From Mechanical Know-How to Mechanical
Knowledge in the Last Scribal Age," *Isis* 88 (March 1997): 1-41 Reprinted in Michael H. Shank,
ed., *The Scientific Enterprise in Antiquity and the Middle Ages* (Chicago: University of Chicago
Press, 2000): 394-435.

(Co-authored with Alex Roland) "Military Secrecy in Antiquity and Early Medieval Europe:
A Critical Reassessment," *History and Technology* 11 (1994): 259-290.

"Invention, Authorship, 'Intellectual Property,' and the Origin of Patents: Notes toward a
Conceptual History," *Technology and Culture* 32 (October 1991): 846-884.

"The Openness of Knowledge: An Ideal and its Context in 16th-Century Writings on Mining
and Metallurgy," *Technology and Culture* 32 (April 1991): 318-355.

**[Abbot Payson Usher Prize by the Society for the History of Technology, 1993]
[translated into Chinese in Dagmar Schäfer and Angela N. H. Creager, eds., *History of
Science Reader* (Hangzhou: Zhejiang University Press, 2018), 23-76].**

"Humanism and Science" in *Renaissance Humanism: Its Sources, Forms and Legacy*, 3 vols., ed. A. Rabil, Jr. (Philadelphia: University of Pennsylvania Press, 1988), 3: 486-512.

"The Contribution of Architectural Writers to a 'Scientific Outlook' in the Fifteenth and Sixteenth Centuries," *Journal of Medieval and Renaissance Studies* 15 (Fall 1985): 265-289.

Essays and Essay Reviews

"Bricolagic Practitioners and the Fluid Culture of Skilled Work in Late Sixteenth-Century Rome," *Ferrum: Nachrichten aus der Eisenbibliothek* 91 (2019): 8-15.

Essay on lecture series by Anthony Grafton, "Past Belief: Visions of Early Christianity in Renaissance and Reformation Europe," in Elizabeth Cropper, ed. *A.W. Mellon Lectures in the Fine Arts: Fifty Years* (Washington: National Gallery of Art, forthcoming).

"Bern Dibner's Way of Collecting and Its Importance for Scholars," in Lilla Vekerdý, ed. *The Era of Experiments and the Age of Wander: Scientific Expansion from the Seventeenth to the Nineteenth Centuries* (Washington, D.C.: Smithsonian Institution Scholarly Press, 2015), 61-64.

"A Crooked Path," [Publication of Talk given on the occasion of receipt of Leonardo da Vinci award from the Society for the History of Technology, October 2015], *Technology and Culture* 56 (April 2015): 498-507.

Essay Review: "Culture and Machines in Renaissance Europe." Review of Jonathan Sawday, *Engines of the Imagination: Renaissance Culture and the Rise of the Machine* (London: Routledge, 2007) in *Early Science and Medicine* 14 (2009): 549-554.

"On the Cover: Michael of Rhodes: A Fifteenth-Century Mariner and his Book," *Technology and Culture* 50 (January 2009): 103-109.

Essay Review: "Plants and Animals in History: The Study of Nature in Renaissance and Early Modern Europe," *Historical Studies in the Natural Sciences* 38 (Spring 2008): 313-323.

Essay Review: "Huguenots, Chairs, and the Occult Philosophy." Review of Neil Kamil, *Fortress of the Soul: Violence, Metaphysics, and Material Life in the Huguenots' New World, 1517-1571* (Baltimore: Johns Hopkins University Press, 2005). *Isis* 99 (March 2008): 149-153.

"On Being an Independent Historian," *History of Science Society Newsletter* 37 (January 2008).

"Medieval Europe, 500-1500: Crucible of Change" in *Technology in World History*, Vol. 3: *The Medieval World*, ed. W. Bernard Carlson (New York: Oxford University Press, 2005), 8-35
[Seven volume work of which this is a part, winner of the Sally Hacker Prize for the best book in the history of technology directed to a broad audience of readers.]

"Classics Revisited: The *Annales* and the History of Technology," *Technology and Culture* 46 (January 2005): 177-186.

“On the Cover: Of Mining, Smelting and Printing: Agricola’s *De re metallica*,” *Technology and Culture* 44 (January 2003): 97-101.

Essay Review: “New Work on the ‘Occult’ and Natural Disciplines of the Renaissance,” *Renaissance Quarterly* 55 (winter 2002): 1323-1336.

Encyclopedia Articles and Other Short Publications

May 2019 Interview with Alev Kaynak (trans. into Turkish) published in *Ad Hoc Magazine* (September 2019), published by Kapital Medya, Istanbul.

“Technology,” and 32 other headword entries in *Oxford Dictionary of the Middle Ages* (Oxford, Oxford University Press, 2010).

“Roman Roads and Bridges,” “Sewers,” “Water Supply,” in *The Classical Tradition*, ed. Anthony Grafton, Glenn Most, and Salvatore Settis (Cambridge, Mass.: Harvard University Press, 2010).

“Scientific Communication,” “Nature,” “Scientific Method,” in *Encyclopedia of Early Modern Europe*, ed. Jonathan Dewald (New York: Charles Scribner’s Sons, 2004), Vol. 2: 20-21, Vol. 4: 253-258, Vol. 5: 339-343.

Leonardo da Vinci, “Legacy.” BBC Open University web site — www.open2.net/Leonardo/ — Click on “The Experts View,” then “Legacy.”

“Categories, disciplines, and values of transmission: A retrospective essay on *Openness, Secrecy, Authorship*,” *Intellectual News* 10 (Spring 2002): 62-69.

“Arsenali, miniere e botteghe” in *Storia della scienza*, 10 vols., ed. Sandro Petruccioli, vol. 5: *La rivoluzione scientifica*, (Rome: Istituto della Enciclopedia Italiana, 2001-2002): 223-241.

"Tudor Technology" in *Tudor England: An Encyclopedia*, ed. Arthur F. Kinney et al. (New York, Garland Publishing, 2000).

"Architecture"; "Ercker, Lazarus"; "Humanism"; "Leonardo da Vinci"; and "Mining and Metallurgy" in *Encyclopedia of the Scientific Revolution*, ed. Wilbur Applebaum (New York, Garland, 2000).

"Technology" in *Encyclopedia of the Renaissance*, ed. Paul F. Grendler (New York: Charles Scribner's Sons, 1999), vol. 6, pp 118-123.

"Mining and Ore Processing" in *Medieval Latin Studies: An Introduction and Bibliographical Guide*, ed. Frank A. C. Mantello and George Rigg (Washington, D.C.: Catholic University of America, 1996).

Book and Exhibit Reviews (excluding essay reviews)

Christiano Zanetti, *Janello Torriani and the Spanish Empire: A Vitruvian Artisan at the Dawn of the Scientific Revolution* (Leiden: Brill, 2017) in *Renaissance Quarterly* 73 (Spring 2020): 266-268.

Alexander Marr, Raphaële Garrod, José Ramón Marcaida, Richard J. Oosterhoff, *Logodaedalus. Word Histories of Ingenuity in Early Modern Europe* (Pittsburgh: University of Pittsburgh Press, 2019) in *Isis* 110 (December 2019): 822-823.

Michael Wintroup, *The Voyage of Thought: Navigating Knowledge across the Sixteenth Century World* (Cambridge: Cambridge University Press, 2017) in *Isis* 110 (June 2019): 396-397.

Peter Fane-Saunders, *Pliny the Elder and the Emergence of Renaissance Architecture* (Cambridge: Cambridge University Press, 2016) in *Journal of Roman Studies* 108 (November 2018): 282-284.

Sven Dupré, Sachiko Kusakawa, and Karin Leonhard, eds., *Early Modern Color Worlds* (Leiden: Brill, 2016) in *Renaissance Quarterly* 70 (Winter 2017): 1520-1522.

Simone Testa, *Italian Academies and their Networks, 1525-1700: From Local to Global* (Basingstoke: Palgrave, 2015) in *Isis* 108 (December 2017): 899.

[Exhibit Review: “Decoding the Renaissance: 500 Years of Codes and Ciphers,” Folger Shakespeare Library, Washington, D.C. Nov. 11, 2014 –February 26, 2015 in *SHARP* [Society for the History of Authorship, Reading, and Publishing] *News* (2015).

Jack Goody, *Metals, Culture and Capitalism: An Essay on the Origins of the Modern World* (Cambridge: Cambridge University Press, 2012) in *Journal of World History* 26 (March 2015): 167-169.

Sean Roberts, *Printing a Mediterranean World: Florence, Constantinople, and the Renaissance of Geography*, I Tatti Studies in Italian Renaissance History. (Cambridge, Mass.: Harvard University Press, 2013) in *American Historical Review* 119 (June 2014): 848.

Andrea Bernardoni, *La conoscenza dal fare: Ingegneria, arte, scienza nel De la pirotechnia di Vannoccio Biringuccio* (Rome: “l’Erma” di Bretschneider, 2011) in *Renaissance Quarterly* 65 (Winter 2012): 1228-1230.

Dagmar Schäfer, *The Crafting of the 10,000 Things: Knowledge and Technology in Seventeenth-Century China* (Chicago: University of Chicago Press, 2011) in *Metascience* 21 (March 2012) (online publication), and 22 (2013): 177-180.

Angelo Cattaneo, *Fra Mauro's Mappa Mundi and Fifteenth-Century Venice* (Turnhout, Belgium: Brepols, 2011) in *Isis* 103 (June 2012): 397-398.

Alexander Marr, *Between Raphael and Galileo: Mutio Oddi and the Mathematical Culture of Late Renaissance Italy* (Chicago: University of Chicago Press, 2011) in *Renaissance Quarterly* 65 (Spring 2012): 215-217.

Richard J. A. Talbert, *Rome's World: The Peutinger Map Reconsidered* (New York: Cambridge University Press, 2010) in *Technology and Culture* 53 (April 2012): 479-480.

Cesare S. Maffioli, *La via delle acque (1500-1700): Appropriazione delle arti e trasformazione delle matematiche* (Florence: Leo S. Olschki, 2010) in *Early Science and Medicine* 16.6 (2011): 614-616.

William Eamon, *The Professor of Secrets: Mystery, Medicine, and Italy* (Washington, D.C.: National Geographic Press, 2010) in *Bulletin of the History of Medicine* 85 (Fall 2011): 500-502.

Simon Werrett, *Fireworks: Pyrotechnic Arts and Sciences in European History* (Chicago: University of Chicago Press, 2010) in *Isis* 102 (June 2011): 361-362.

Joe Flatman, *Ships and Shipping in Medieval Manuscripts* (London: British Library, 2009) in *Technology and Culture* 52 (July 2011): 618-619.

Chandra Mukerji, *Impossible Engineering: Technology and Territoriality on the Canal du Midi* (Princeton: Princeton University Press, 2009) in *Aestimatio: Critical Reviews in the History of Science* 8 (2011): 16-22.

Antonella Romano, ed., *Rome et la science modern entre Renaissance et Lumières*. Collection de l'École Française de Rome, 403 (Rome: École Française de Rome, 2008) in *Nuncius* 24 (2009): 525-527.

Tara Nummedal, *Alchemy and Authority in the Holy Roman Empire* (Chicago: University of Chicago Press, 2007) in *American Historical Review* 114 (October 2009): 1141-1142.

Lissa Roberts, Simon Schaffer, and Peter Dear, *The Mindful Hand: Inquiry and Invention from the Late Renaissance to Early Industrialisation* (Amsterdam: Koninklijke Nederlandse Akademie van Wetenschappen, 2007) in *Nuncius* 24 (2009): 216-218.

Vincent Ilardi, *Renaissance Vision from Spectacles to Telescopes* (Philadelphia: American Philosophical Society, 2007) in *Speculum* 84 (2009): 455-456.

Steven A. Walton, ed. *Wind and Water in the Middle Ages: Fluid Technologies from Antiquity to the Renaissance* (Tempe, AZ: Arizona Center for Medieval and Renaissance Studies, 2006) in *Early Science and Medicine* 13 (2008): 195-198.

Mario Biagioli, *Galileo's Instruments of Credit: Telescopes, Images, Secrecy* (Chicago: University of Chicago Press, 2006) in *American Historical Review* 112 (June 2007): 947-948.

Gerhild Scholz Williams, *Ways of Knowing in Early Modern Germany: Johannes Praetorius as a Witness to his Time* (Aldershot, Hants: Ashgate Publishing, 2006) in *Renaissance Quarterly* 60 (Spring 2007): 218-219.

Martin Kemp, *Leonardo* (Oxford: Oxford University Press, 2004) in *Technology and Culture* 47 (January 2006): 184-186.

Eric H. Ash, *Power, Knowledge, and Expertise in Elizabethan England* (Baltimore: Johns Hopkins University Press, 2004), in *Journal of Interdisciplinary History* 38 (Autumn 2007): 270-271.

Alessandra Fiocca, Daniela Lamberini, and Cesare Maffioli, *Arte e scienza delle acque nel Rinascimento* (Venice: Marsilio, 2003) in *Technology and Culture* 46 (July 2005): 16-18.

Thomas J. Misa, *Leonardo to the Internet: Technology & Culture from the Renaissance to the Present* (Baltimore: Johns Hopkins University Press, 2004) in *Journal of Interdisciplinary History* 37 (2006): 90-91.

David Freedberg, *The Eye of the Lynx: Galileo, His Friends, and the Beginnings of Modern History* (Chicago: University of Chicago Press, 2002) in *Technology and Culture* 45 (January 2004): 171-173.

William R. Newman and Lawrence M. Principe, *Alchemy Tried in the Fire: Starkey Boyle, and the Fate of Helmountain Chemistry* (Chicago: University of Chicago Press, 2002) in *Renaissance Quarterly* 57 (Spring 2004): 308-310.

Luca Molà, Reinhold C. Mueller, and Claudio Zanier, eds. *La seta in Italia dal Medioevo al Seicento: Dal baco al drappo* (Venice: Marsilio, 2000) in *Technology and Culture* 43 (October 2002): 784-785.

Paolo Rossi, *The Birth of Modern Science*, trans. Cynthia De Nardi Ipsen (Oxford: Blackwell, 2000) in *Isis* 93 (September 2002): 481-482.

David Zaret, *Origins of Democratic Culture: Printing, Petitions and the Public Sphere in Early Modern England* (Princeton, N.J.: Princeton University Press, 2000) in *Technology and Culture* 43 (April 2002): 418-419.

W. R. Laird, *The Unfinished Mechanics of Giuseppe Moletti: An Editon and English Translation of his Dialogue on Mechanics, 1576* (Toronto: University of Toronto Press, 2000) in *Canadian Journal of History* 43 (August 2002): 341-342.

John Block Friedman and Kristen Mossler Figg, eds. Scott D. Westrem, associate ed., Gregory G. Guzman, collaborating ed., *Trade, Travel, and Exploration in the Middle Ages: An Encyclopedia* (New York: Garland, 2000) in *Enterprise and Society* 2 (December 2001): 809-811.

David Turnbull, *Masons, Tricksters and Cartographers: Comparative Studies in the Sociology of Scientific and Indigenous Knowledge* (Amsterdam: Harwood Academic Publishers, 2000) in *Isis* 93 (March 2002): 165-166.

Gerhard Arend, *Die Mechanik des Niccolò Tartaglia im kontext der zeitgenössischen Erkenntnis- und Wissenschaftstheorie* (Munich: Institut für Geschichte der Naturwissenschaften, 1998) in *Isis* 92 (September 2001): 603-604.

Evelyn Lincoln, *The Invention of the Italian Renaissance Printmaker* (New Haven: Yale University Press, 2000) in *Technology and Culture* 42 (July 2001): 559-561.

Jim Bennett and Scott Mandelbrote, *The Garden, the Ark, the Tower, the Temple: Biblical Metaphors of Knowledge in Early Modern Europe* (Oxford: Museum of the History of Science, 1998) in *Isis* 91 (September 2000): 588-589.

Massimo Galuzzi, Gianni Micheli and Maria Teresa Monti, eds. *Le forme delle comunicazione scientifica* (Milan: FrancoAngeli, 1998) in *Bulletin of the History of Medicine* 74 (2000): 601-602.

Claus Priesner, *Bayerisches Messing: Franz Matthias Ellmayrs "Mössing-Werkh AO 1780": Studien zur Geschichte, Technologie und zum sozialen Umfeld der Messingerzeugung im vorindustriellen Bayern* (Stuttgart: Franz Steiner, 1997) in *Isis* 90 (March 1999): 124-125.

Diane Cole Ahl, ed. *Leonardo da Vinci's Sforza Monument Horse: The Art and Engineering* (Bethlehem, Pa: Lehigh University, 1995) in *Technology and Culture* 38 (October 1997): 1020-1022.

Henry Heller, *Labour, science and technology in France: 1500-1620* (Cambridge: Cambridge University Press, 1996) in *Renaissance Quarterly* 51 (Spring 1998): 233-234.

Brian J. Ford, *Images of Science: A History of Scientific Illustration* (New York: Oxford University Press, 1993) in *Bulletin of the History of Medicine* 70 (1996): 619-621.

H. Floris Cohen, *The Scientific Revolution: A Historiographical Inquiry* (Chicago: University of Chicago Press, 1994) in *Technology and Culture* 37 (July 1996): 751-753.

William Eamon, *Science and the Secrets of Nature: Books of Secrets in the Medieval and Early Modern Culture* (Princeton: Princeton University Press, 1994) in *Technology and Culture* 37 (January 1996): 170-172.

J. V. Field and Frank A. J. L. James, eds., *Renaissance and Revolution: Humanists, Scholars, Craftsmen and Natural Philosophers in Early Modern Europe* (Cambridge: Cambridge University Press, 1994) in *Technology and Culture* 36 (July 1995): 723-725.

Christoph L. Frommel and Nicholas Adams, eds., *The Architectural Drawings of Antonio da Sangallo the Younger and His Circle*, vol. 1: *Fortifications, Machines, and Festival Architecture* (Cambridge, Mass.: M.I.T. Press, 1994) in *Technology and Culture* (April 1995): 397-399.

Karen Meier Reeds, *Botany in Medieval and Renaissance Universities* (New York and London: Garland Publishing, 1991) in *Annals of Science* 51 (1994): 311-312.

Allen G. Debus, *The French Paracelsians: The Chemical Challenge to Medieval and Scientific Tradition in Early Modern France* (Cambridge and New York: Cambridge University Press, 1991), in *Annals of Science* 51 (1994): 91-93.

Astrid Schürmann, *Griechische Mechanik und Antike Gesellschaft: Studien zur staatlichen Förderung einer technischen Wissenschaft* (Stuttgart: Franz Steiner, 1991) in *Technology and Culture* 34 (October 1993): 935-936.

Gustina Scaglia, *Francesco di Giorgio: Checklist and History of Manuscripts and Drawings in Autographs and Copies from ca. 1470 to 1687 and Renewed Copies (1764-1839)* (Bethlehem, Pa. and Cranbury, N.J.: Lehigh University Press and Associated University Presses, 1992) in *Technology and Culture* 34 (July 1993): 674-675.

Bruce T. Moran, (ed.), *Patronage and Institutions: Science, Technology, and Medicine at the European Court, 1500-1750* (Rochester, N.Y./Suffolk, England: The Boydell Press, 1991) in *Isis* 84 (June 1993): 376-377.

Michael Matheus, *Hafenkrane: Zur Geschichte einer mittelalterlichen Maschine am Rhein und seinen Nebenflüssen von Strassburg bis Düsseldorf, Trierer Historische Forschungen, Bd. 9* (Trier, Verlag Trierer Historische Forschungen, 1985), in *Mediävistik: Internationale Zeitschrift für interdisziplinäre Mittelalterforschung* 4 (1990): 451-452.