

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**].

Translated into Italian by Anna Carocci, *Ricostruire la città eterna: Infrastrutture, topografia e saperi nella Roma del Cinquecento* (Rome: Viella, 2021)

Translated into Korean, (Paju-si Gyeonggi, South Korea: HanulMPlus, forthcoming)

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 restitution 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.
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Articles

“Collective Technologies,” in Francesca Bray, Dagmar Schäfer, Tiago Saraiva, and Matteo Valleriani, eds. *The New Cambridge History of Technology*, 3 Vols, Vol 1: *Technology: Meanings and Methods* (Cambridge: Cambridge University Press, forthcoming)

“Tiber River Flooding in Rome: Changing Responses to a Recurring Disaster, 1476-1598,” in David Rosenthal and Ovanes Akopyan, eds., *Disaster in the Early Modern World: Examinations, Representations, Interventions* (Milton Park, Abingdon, Oxfordshire: Routledge, forthcoming).

“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 and Tim Soens, eds. *The 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. Kraye (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: Innover, 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.

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“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.

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[Abbot Payson Usher Prize by the Society for the History of Technology, 1993]
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"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.

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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 Vekerdy, 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).

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[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.]

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

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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).

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

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“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.

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in *Encyclopedia of the Scientific Revolution*, ed. Wilbur Applebaum (New York, Garland, 2000).

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"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)

Caroline Fowler, *The Art of Paper From the Holy Land to the Americas* (New Haven: Yale University Press, 2019) in *West 86th* (forthcoming).

Alexander Jones, *A Portable Cosmos: Revealing the Antikythera Mechanism, Scientific Wonder of the Ancient World* (Oxford: Oxford University Press, 2017) in *Mediterranean Studies* 29.2 (2021): 252-254.

James A. Palmer, *The Virtues of Economy: Governance, Power, and Piety in Late Medieval Rome* (Ithaca: Cornell University Press, 2019) in *Renaissance Quarterly* 74 (Summer 2021): 617-618.

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.

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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.

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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.

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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.

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