

Victoria Sanger

ARCH A6455

408 Avery

Tuesday 1-3pm, Fall, 2016

vs31@columbia.edu

Library shelf 360

Military Urbanism

Warfare shaped the cities of Early Modern Europe (ca. 1450-1800). It configured shifting border networks and impacted the fate of towns. Specifically, the technology of gunpowder artillery and its accompanying bastioned defense systems restructured towns with new streets and squares for parading, circulation and surveillance and equipped them with standardized architectural typologies such as monument squares, markets, gatehouses and barracks.

Sébastien Le Prestre de Vauban (1633-1707) stands at the center of these changes. As military engineer to France's King Louis XIV, he crystallized and catalyzed political and planning trends in all European cities that had been developing since the mid-fifteenth century. Vauban, was seen by his contemporaries as a master of the art of attacking and defending bastioned fortifications with geometrical rigor. He was in fact also an accomplished and prolific "urbanist." He approached his projects as multi-faceted, posited on demographic and economic surveys. His towns were not only safe and solid but decorous and detailed. From splendidly ornamented gatehouses with standardized plans to town markets down to the individual barrack bed, he aspired to total spatial mastery. He built nine new towns and one hundred sixty cities in total.

This course looks at seventeenth century France as a tale of origins. France was arguably the most important military and political force of the latter part of this period. How has this period shaped our modern cities and borders and could things have evolved differently? We will probe the Early Modern period for how city walls and national borders did or did not contain the roots of nationalism and xenophobia. We will analyze walls as places of exclusion and repulsion of seepage and cross-fertilization: from border to interior, across enemy lines, to princely capitals and overseas colonies.

The "open city" began with Paris in 1670 and rose in the eighteenth century as cities such as Washington D.C. were marked by the ideals of the Enlightenment. Walls began to be dismantled or not included in plans for new cities. Yet cities continued to be places of surveillance, and fortification, while on a larger scale, was still a part of their design. The next generation of Romantics emphasized the destructive and irrational nature of combat theorized as "total war" by Carl von Clausewitz. In the second half of the nineteenth century, Viollet-le-Duc exposed the ever-growing scale and costs of warfare between nation states in the Industrial era, looking ahead to World War I. In the last session we will make spatial and philosophical comparisons with forms of current warfare such as the use of drones, the global threat of terrorism, cyber warfare, and systems of urban surveillance methods as cities once again become military targets.

The structure of each seminar session will be part lecture and part reading discussion. It is hoped that the sessions will be lively and that students will bring their own viewpoints as historians and contemporary designers to the table. Readings have been selected both for their informational content, their historical importance and their methodological diversity. All readings will be in English but additional bibliography in French will be provided. In the last few sessions, students share and discuss their individual projects.

Students are expected to come to class prepared, having done the readings and considered the questions in the syllabus. Unless indicated, all assigned readings are available on the class Courseworks/Canvas site. There are two short response papers, a paper outline, a presentation and a written research paper. In the last three class sessions, they will present a final research project on a topic of their choosing in order to share their findings with the seminar members and get feedback. The power point and visual materials in this presentation can be part of the total grade and can be the illustrations of the paper (10-12 pages of text not including footnotes, bibliography and illustrations). All assigned readings listed below are in English but additional sources in French will be provided.

Grading:

Class participation and attendance 10%

2 response papers (2-3 pages each) summarizing and opining on the reading and class discussion of one session of your choice (due Oct 17 and Nov 15) 15% each, 30% total

Paper outline and bibliography (due Oct 3) 15%

Final presentation (20 minutes) and paper (10-12 pages): 45%

-
-

Class Schedule and Readings

1. Sept. 6: Political context and "**Absolutism**"

- George Orwell, "Politics and the English Language" first published *Horizon*, London, 1946. *How does Orwell discuss "fascism" and other "meaningless words"? Look up "doublespeak" used in his book 1984.*
- William Beik, "The Absolutism of Louis XIV a Social Collaboration," in *Past & Present*, 188, 2005, pp. 195-224. -- *How has absolutism been redefined by recent historians?*

2. Sept. 13: Technology of siege warfare: theory and reality

- Paddy Griffith, *The Vauban Fortifications of France*, Oxford, Osprey Publishing, 2006. -- *Explain the technology of bastioned fortification. How is Vauban's vision pragmatic and how is it utopic?* (available to purchase through Amazon and in Kindle edition).
- Jamel Oswald, "The Perfect Siege of Ath", and "Implementing the Paradigm Siege", in *Vauban under Siege: Engineering Efficiency and Martial Vigor in the War of the Spanish Succession History of Warfare*, Volume 41, Brill, 2007, 2 and 5, pp. 21-45; 123-172. EBOOKS <http://site.ebrary.com.ezproxy.cul.columbia.edu/lib/columbia/docDetail.action?docID=10234964>. -- *How did reality differ from Vauban's practice?*

-

3. Sept. 20: Military city, civilian city

- Christopher Duffy, "The Fortress and Humankind," in *Siege Warfare: the Fortress in the Early Modern World 1494-1660*, Routledge and Kegan Paul, 1979, ch. 10, pp. 247-264. -- *What was the experience of war in this period?*
 - Ryan Bishop and Gregory Clancey, "The City-as-Target, or Perpetuation and Death," in Stephen Graham, ed., *Cities, War, and Terrorism. Towards and Urban Geopolitics*, Blackwell, 2004, pp. 54-74. -- *Why are towns central to disaster, destruction and warfare? Has it always been this way? Why do cities become targets?*

4. Sept. 27: Military urbanism in Early Modern Europe

- Horst de la Croix "Military Architecture and the Radial City Plan in Sixteenth Century Italy", in *The Art Bulletin*, Dec. 1960, vol XII no. 4, pp. 263-290. -- E-Reserve. *How did military technology and strategy influence city plans.*
- Martha Pollak, "The Forms of Military Urbanism," in *Cities at War: Baroque Fortifications and military Urbanism*, Cambridge University Press, 2010. ch. 4 pp. 155-232. -- *Define Military Urbanism.*
- in French: Victoria Sanger "Vauban Urbaniste" in Warmoes and Sanger, dir., *Vauban, bâtisseur du Roi-Soleil*, Somogy, Cité de l'architecture, Musée des Plans-reliefs, Paris, 2007, pp. 214-225; 259-265. – E-Reserves and Seminar Shelf. Q: *How is Vauban a town planner?*

5. Oct. 3: class discussion rescheduled for Oct. 11

Please send your paper topic 1-3 paragraph summary of your research project and a bibliography of at least 5 sources

- Donatella Calabi, "The 'City of the Jews'", in Robert C. Davis and Benjamin Ravid, eds., *The Jews of Early Modern Venice*, John Hopkins University, Baltimore and London, 2001, pp. 31-49. *Is the ghetto presented in a fully negative light? How does it function in historical context?*
- Eyal Weizman and Manuel Herz, "Between City and Desert: Constructing the North London Eruv" *AA Files*, No. 34 (Autumn 1997), pp. 68-76
- Leon Battista Alberti, *The Architecture of Leone Battista Alberti, (De Re Aedificatoria 1452)*, T. Edlin, 1726 ed., Book V, ch. 1, pp. 82-83

6. Oct. 11: Walls within cities: ghettos, eruv's, zoning

- Donatella Calabi, "The 'City of the Jews'", in Robert C. Davis and Benjamin Ravid, eds., *The Jews of Early Modern Venice*, John Hopkins University, Baltimore and London, 2001, pp. 31-49. *Is the ghetto presented in a fully negative light? How does it function in historical context?*
- Eyal Weizman and Manuel Herz, "Between City and Desert: Constructing the North London Eruv" *AA Files*, No. 34 (Autumn 1997), pp. 68-76
- Leon Battista Alberti, *The Architecture of Leone Battista Alberti, (De Re Aedificatoria 1452)*, T. Edlin, 1726 ed., Book V, ch. 1, pp. 82-83

-

7. Oct. 18: Open City/Closed City. Walls, nationalism and xenophobia.

First Response paper due

- Peter Sahlins, *The Making of France and Spain in the Pyrenees*, University of California Press, 1989. "Introduction" pp. 1-22; pp. 164-167; 192-197
- Victoria Sanger "The French Collection of Plans-Reliefs as Political Instrument. Exhibition Review: La France en Relief" *The Journal of Architecture*, 18:1, 2013, 115-134. *Contrast 17th century and 21st century national borders. How was history mis-cast in this case?*
- Simon Pepper, "The Meaning of the Renaissance Fortress," in *Architectural Association Quarterly*, 5 (1973), pp. 22-27

8. Oct. 25: Panopticism

- Richard Ingersoll, "Piazza di Ponte and the Military Origins of Panopticism," in *Streets: Critical Perspectives on Public Spaces*, Zeynep Celik et al. (London and Berkeley, 1994) 177-187. -- Summarize. Draw a diagram of the panopticon as it operates in a Baroque city.
 - Michel Foucault, "Panopticism," in *Discipline and Punish*, New York, Pantheon Books, 1977, pp. 195-228.-- Courseworks: Resources. Define Panopticism for Foucault. Compare it with a definition of Bentham's panopticism.
 - David Lyon, "The search for surveillance theories," in David Lyon, ed., *Theorizing Surveillance. The panopticon and beyond*, Willan publishing, 2006, pp. 3-20. *Is the panopticon the best metaphor for the relations between government and governed? Look up other uses of "Panopticon" in current media. Draw your own diagram of a surveillance method referred to by Lyon. Does it look like a Panopticon?*
 - "Lille" in *Military Town Planning under Louis XIV: Vauban's Practice and Method (1668- 1707)*, D. dissertation, Columbia University, 2000. – Courseworks: Library Resources

and... preparation for field trip to Governor's Island and lower Manhattan. Fort Jay and Castle Williams

9. Nov. 1: Field trip to lower Manhattan and Governor's Island. Time TBA approximate meeting time 2pm, at the Ferry terminal, one building north of the Staten Island terminal. Subway: line 1 South Ferry

- National Park Service, Governors Island Website <http://www.nps.gov/gois/learn/historyculture/index.htm>
- Coast Defense Study Group website <http://cdsg.org>
- Emanuel Raymond Lewis, *Seacoast Fortifications of the United States. An Introductory History*, Naval Institute Press, Annapolis Maryland, 1970.

10. Nov. 8: Make up class: Military urbanism in the 18th and 19th Centuries

Second response paper due

- Carl von Clausewitz, *On War*,

- Victoria Sanger, Book review of Janis Langins, *Conserving the Enlightenment : French Military Engineering from Vauban to the Revolution*, MIT Press, 2004, in *Journal of the Society of Architectural Historians*, 2006, v. 65 p. 632-633
- Viollet-le-Duc, *Annals of a Fortress*, Benjamin Bucknall, trans., Boston, James Osgood and Co., 1876, "Conclusion" pp. 354-383
- Nicholas Papayanis, Introduction and "Eighteenth-Century Roots of Modern Planning," in *Planning Paris Before Haussmann*, Johns Hopkins University Press, Baltimore, 2004, pp. 1-61.

11. Nov. 15: Military urbanism in the 20th and 21st Centuries.

- Vincent Scully, "Shape of France: Gardens, Fortifications and Modern Urbanism" in *Architecture: The Natural and the Manmade*, London, St. Martin's, Press, 1991, pp. 275-311.
- Paul Virilio, "Military Space," in James der Derian, ed., *The Virilio Reader*, Blackwell Publishers, Malden, MA, 1998, ch. 2, pp. 22-28.
- Greg Elmer and Andy Opel, "Pre-empting panoptic surveillance: surviving the inevitable war on terror," in David Lyon, ed., *cit.*, ch. 7 pp. 139-160. Avery Reserve Desk.
- Stephen Graham, "Surveillance, urbanization and the US, Revolution in Military Affairs," in David Lyon, ed., *cit.*, ch. 12, pp. 247-270.
- Eyal Weitzman, "Lethal Theory," in *Log*, Winter/Spring 2006, pp. 53-77. *Q: How has modern technology modified methods of attacking the Early Modern military city?*

12. Nov. 22: Class cancelled and rescheduled to Nov. 8

-

13. Nov. 29: Student presentations.

Dec. 14: Papers Due. No extensions accepted

Additional Bibliography

- J Ashworth, *War and the City*, London and New York, Routledge, 1991
- Cesare Birignani, *The Police and the City: Paris 1660-1750*, D, Columbia University, 2013.
- Jeremy Black, *A Short History*, Continuum, London and New York, 2009.
- Anne Blanchard, *Vauban*, Paris, Fayard, 1996.
- _____, *Dictionnaire des ingénieurs militaires 1691-1791*, Montpellier, Université Paul Valéry, 1981.
- David Buisseret, *Ingénieurs et Fortifications avant Vauban: l'organisation d'un service royale aux XVIe-XVIIe siècles*, Paris, Ministère de la jeunesse, de l'éducation nationale et de la recherche, Comité des travaux historiques et scientifiques, c2002.
- Jean-François Cabestan, *La conquête du plain-pied: l'immeuble à Paris au XVIIIe siècle*, Paris, Picard, 2004.
- André Charbonneau, Yvon Desloges, Marc LaFrance, *Québec, the Fortified City: from the 17th to the 19th century*, Ottawa, Parks Canada, 1982
- Jean-Louis Cohen, *Architecture in Uniform, Designing and Building for the Second World War*, CCA, 2011.
- Joan Dejean, *Literary Fortifications: Rousseau, Laclos, Sade*, Princeton University Press, 1984.

- Christopher Duffy, *Fire and Stone: the Science of Fortress Warfare 1660-1860*, Newton Abbot, David and Charles, 1975
- _____, *The Fortress in the Age of Vauban and Frederick the Great 1660-1789*, London and Boston, Routledge and Keegan Paul, 1985
- _____, *The Military Experience in the Age of Reason*, Athenaeum, New York, 1988
- Arlette Farge, *Subversive Words: Public Opinion in Eighteenth-Century France*, trans. Rosemary Morris, University Park: Pennsylvania State University Press, 1994.
- Forensic Architecture, ed., *The Architecture of Public Truth*, Sternberg press, 2014
- Michel Foucault, *Security, Territory, Population, Lectures at the Collège de France, 1977-1978*, edited by Michel Senellart, General editors: François Ewald and Alessandro Fontana, English Series Editor: Arnold I. Davidson, translated by Graham Burchell.
- Stephen Graham, ed., *Cities, War, and Terrorism. Towards and Urban Geopolitics*, Blackwell, 2004.
- Jean-Louis Harouel, "La Tradition du réglemeant," in *La Fabrication des villes*, Xavier Malverti and Aleth Picard dir., GEVR, Grenoble, 1995
- _____, *L'Embellissement des villes, l'urbanisme français au XVIIIe siècle*, Picard 1993.
- J. Hebbert and J. A. Rothrock, *Soldier of France: Sebastien Le Prestre de Vauban 1633-1707*, New York, Bern, Frankfurt am Main, Paris, Peter Lang, 1990.
- Horst de la Croix, *Military Considerations in City Planning: Fortifications*, Braziller, 1971.
- Quentin Hughes, *Military architecture: the art of defence from earliest times to the Atlantic Wall*, Liphook, Hants, Beaufort, 1991.
- Janis Langins, *Conserving the Enlightenment: French Military Engineering from Vauban to the Revolution*, Cambridge, MIT Press, 2004.
- David Lyon, ed., *Theorizing Surveillance, The panopticon and beyond*, Willan Publishing, 2006. -
- John Lynn, *The Wars of Louis XIV, 1664-1714*, London, New York, Longman, 1999.
- Niccolò Machiavelli, *The Prince*, (1st Italian edition 1532) The Project Gutenberg eBook of The Prince, by Nicolo Machiavelli, Translator: W. K. Marriott. Release Date: February 11, 2006
- Thierry Mariage, *The World of André Le Nôtre*, Philadelphia, University of Pennsylvania Press, 1999. AA531 L54 M332.
- Emilie d'Orgeix, Victoria Sanger, Michèle Virol, Isabelle Warmoes, *Vauban, la pierre et la plume*, Gérard Klopp, Editions du Patrimoine, Paris, 2007
- Michel Parent, Jacques Verroust, *Vauban*, Paris, J. Fréal, 1971.
- _____, *Vauban : Encyclopédiste avant la lettre*, Paris, Berger-Levrault, 1983
- Geoffrey Parker, *The military revolution: military innovation and the rise of the west, 1500-1800*, New York, Cambridge University Press, 1988
- Antoine Picon, *French Architects and Engineers in the Age of Enlightenment*, Cambridge University Press, 1991.
- Antoine Picon, dir., *La ville et la guerre*, Editions de l'imprimeur, 1996.
- Martha D. Pollak, "Art and War: Renaissance and Baroque military Treatises on Military Baroque Architecture", in *Military Architecture, Cartography and the Representation of the Early Modern European City*. Chicago: The Newberry Library, 1991 – seminar shelf Avery: AA490 N423.
- Martha Pollak, *Cities at War: Baroque Fortifications and military Urbanism*, Cambridge University Press, 2010.
- Philippe Prost, *Vauban, le style de l'intelligence*, Archibooks + Sautereau, 2007.
- Pierre Rocolle, 2000 ans de fortification française, Limoges, Charles Lavauzelle, 1973, 2 vols.-- Seminar Shelf.
 - Victoria Sanger, Isabelle Warmoes, "The Urban Arches of Louis XIV," August 2000, paper presented at the specialist session "City Gates: Negotiation and Nexus," Fifth International Conference on Urban History, Berlin, Germany, *Journal of Urban History*, special issue "The European City," January, 2003.
 - Victoria Sanger, *Military Town Planning under Louis XIV: Vauban's Practice and Method (1668-1707)*, D. dissertation, Columbia University, 2000.
 - _____, "The French Collection of Plans-Reliefs as Political Instrument. Exhibition Review: La France en Relief" *Journal of Architecture*, 18, no. 1, Feb. 8, 2013, pp. 115-134.

- Paul Virilio, *Bunker Archeology*, George Collins trans., Princeton Architectural Press, 1994.
- _____, *City of Panic*, Julie Rose trans., Berg, 2005.
- Steve Redhead, ed., *The Paul Virilio Reader*, Columbia University Press, New York, 2004.
- Michèle Virol, *Vauban: de la Gloire du Roi au Service de l'Etat*, Seyssel, Champ Vallon, 2003 --
- Thierry Martin, Michèle Virol éd., *Vauban, architecte de la modernité?*, Cahiers de la MSHE Ledoux, Presses universitaires de Franche-Comté, 2008.
- Isabelle Warmoes and Victoria Sanger, dir., *Vauban, bâtisseur du Roi-Soleil*, Somogy, Cité de l'architecture, Musée des Plans-reliefs, Paris, 2007
- Eyal Weizman, *Hollow Land: Israel's Architecture of Occupation*, Verso, 2007

Publications by Vauban

- Sébastien Le Prestre de Vauban, *De l'attaque et de la defense des places: par Mr. de Vauban*, La Haye, P. de Hondt, 1737, Google Books, Avery Classics, [SEP:AA490 V46
- _____, *A manual of siegecraft and fortification (mémoire pour servir d'instruction dans la conduite des sièges et dans la défense des places)*, George Rothrock, trans., Ann Arbor, U. of Michigan Press, 1968.
- Michèle Virol, ed., *Oisivetés de Monsieur de Vauban, ou ramas de plusieurs mémoires de sa façon sur différents sujets*, Seyssel, Champ Vallon, 2007.
- Albert Rochas d'Aiglun, ed. *Vauban, sa famille et ses écrits ses oisivetés et sa correspondance : analyse et extraits*, Geneva, Slatkine Reprints, 1972.