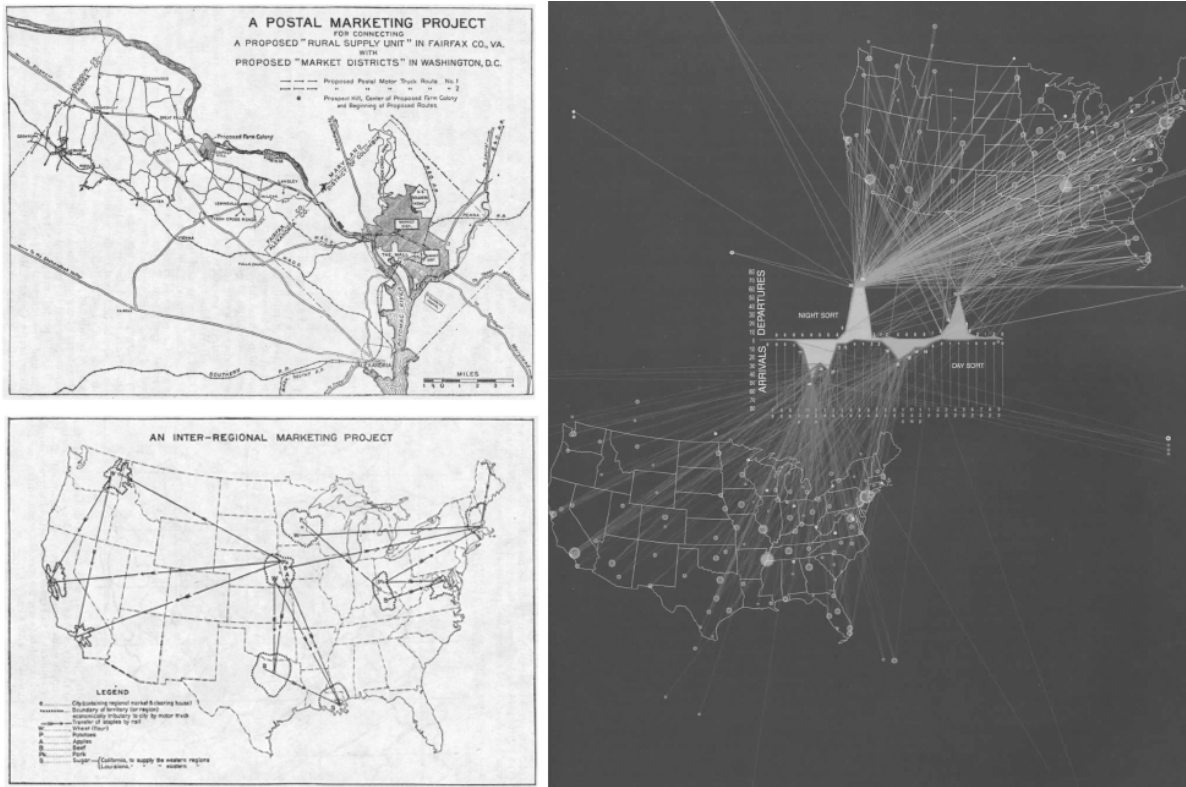


Department of Landscape Architecture
School of Design, University of Pennsylvania

Spring 2014

LARP 780-001: Topics in Theory & Design Edge Operations: Extended Urbanisms and Material Flows

Instructor: Meg Studer, Situations Studio
Tuesday, 5-8pm



[Benton MacKaye, "A Plan for Cooperation Between Farmer and Consumer," 1920. Clare Lyster, "The Logistical Figure" 2012]

Description:

This seminar explores the dispersed, logistical city of Landscape Urbanism. It does so by comparing LU's contemporary discourses with progressive regionalism of the interwar period and its echoes in post-war regional planning. In light of the Great Recession, particular interest will be paid to the politics, publics, and interventionist opportunisms/ities across 20th and 21st century 'regionalization.'

Weekly Sessions:

Weekly readings will consist of 100 pages or less. Students will be responsible for leading discussion once. Optional selections, secondary sources, and background texts will be available on the course site, but are at the students' discretion to read.

Assignment/Requirements:

0. Assignment details will be discussed in class. Hard-copy descriptions will be distributed week 3 and posted on the website. Class Attendance and Participation (24%)
1. Blog Postings and Peer Comments, Seven posts/Three responses (20%)
2. Leading Discussion, Individual/Pair Work, Question & Images (10%) Schematic Resource Timelines, group presentations, Wk 6 and Wk 10 (20%)
3. System Strategy Maps, group graphics/ individual texts, Wk13 (25%)

PRESENTS, PUBLICS, PROJECTS

Wk 1- 1/21

introduction/requirements/projects presentation

Wk 2- 1/28

Genealogies of Landscape Urbanism

Strategic Orientations and Social Agendas of LU

Manifestos:

- Charles Waldheim. *Post-Fordist Public Works*. Boston: Harvard University GSD, 2006. (skim all)
- InfraNet Lab, Lateral Office. *Coupling: Strategies for Infrastructural Opportunism*. New York: Princeton Architectural Press, 2011. (skim all)
- Larry Barth. "Diagram, Dispersal, Region" Ed. Mostafavi, Mohsen, Ciro Najle, and Architectural Association (Great Britain). *Landscape Urbanism: a Manual for the Machinic Landscape*. London: Architectural Association, 2003. 33-39.

Methods:

- Michel Foucault. "Polemics, Politics, and Problemizations: An Interview" in *The Foucault Reader*. ed. Paul Rabinow. New York: Pantheon Books, 1984. 381-90.
- Thomas Flynn. "Foucault's Mapping of History" in *The Cambridge Companion to Foucault*. 2nd ed. Cambridge Companions to Philosophy. Cambridge, U.K. ; New

York: Cambridge University Press, 2006. 28-46. (In both, focus on the problemizations+ sections, 388-90 and 37-46.)

- Bruno Latour. Short selections on object-agency and social-construction from *Reassembling the Social, an Introduction to Actor-network-theory*. Oxford ; New York: Oxford University Press, 2005. 21-25, 63-93.

Introduction to group research presentations:

Bibliographic assignments, progress updates, and project management

REGIONALIST INFRASTRUCTURES

Wk 3- 2/4

Infrastructures as Socio-Ecological Armatures

Geography, Investment, and Ecology

- Pierre Bélanger. "Landscape as Infrastructure" in *Landscape Journal* 28 (Spring 2009). 79-95.
- Pierre Bélanger. "Regionalisation: Probing the urban landscape of the Great Lakes Region," in *Journal of Landscape Architecture JoLA*. Autumn 2010, 6-23.
- Benton MacKaye "The New Exploration: Charting the Industrial Wilderness" in *Survey Graphic 7/ Survey 54.3* (May 1925), East Stroudsburg, Pa: Survey Associates, 1925. 153-157.
- Benton MacKaye. "Regional Planning and Ecology" *Ecological Monographs* 10.3 (July 1940), Ithaca, NY: ESA Publications, 1940. 349-353.
- Howard W. Odum. and Harry Estill Moore. "The Rise and Incidence of American Regionalism" in *American Regionalism: A Cultural-Historical Approach to National Integration*, New York: Henry Holt & Co, 1938. 3-34.

Case Study- Pinchot/MacKaye/Ely-

'Cut-Over' Conservation and Recovery in Progressive Forestry

Studio Trips- No class- 2/11

Wk 4- 2/18

Infrastructures and/from Waste

Excess, Efficiencies, and Externalities

- Alan Berger. *Wasting Land in Urban America (Drosscape)*. New York: Princeton Architectural Press, 2007. Skim all, be prepared to discuss part 1 and part 3, "A Drosscape Manifesto" in particular, 235-243

- Stuart Chase. "The Aeroplane View," "The Four Main Channels of Waste," "The Challenge" in *The Tragedy of Waste*. New York: Worker's Education Bureau of America, 1926. 15-40, 265-80.

Case Study- Chase/Gilbreth/Taylor-
WWI, the New Deal, and Bureaucratic Scales of Management

Wk 5- 2/25

Infrastructures of Logistics and Consumption

Dispersed Cultural Footprints and Economic Armatures

- Clare Lyster. "Landscapes of Exchange: Re-Articulating Site," in Charles Waldheim, ed. *The Landscape Urbanism Reader*, New York: Princeton Architectural Press, 2006, 219-237.
- Clare Lyster. "The Logistical Figure; Apathy, Individualism, Power" in *Cabinet*, 47 Fall 2013, 55-62.
- Lewis Mumford. "The Plan of New York," reprinted in Sussman, *Planning the Fourth Migration*. Cambridge, Mass: MIT Press, 1976. 224-260.
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- Benton MacKaye. "A Plan for Cooperation between Farmer and Consumer" in *Monthly Labor Review* 11.2, August 1920. 1-21.

Case Study- Geddes/Mumford/Media
New York Plan as lens onto Mobility, Markets and Cultural Forms

Wk 6- 3/4

Infrastructures- adjacent vantage points

Large Technological Systems (LTS)

- Rosalind Williams. "Cultural Origins and Environmental Contexts of Large Technological Systems", *Science in Context* 6 (1993): 377-403.
- Paul N. Edwards. "Infrastructure and Modernity," in *Modernity and Technology*, Cambridge, MA: MIT Press, 2003. 185-224.

Group research presentations (1, 2, 3)

Spring Break- No class- 3/11

DISPERSED RESOURCE REGIMES

Wk 7- 3/18

Waterways, Irrigation, and Edge Reforms

Overlapping Water Strategies and Scales

- Anu Mathu and Dillip Da Cunha. "Basin, " "Meanders," in *Mississippi Floods*. New Haven, CT: Yale U. Press, 2001. 11-68. (largely graphics, skim remainder.)
- Guy Nordenson and Catherine Seavitt. "High Stakes: Soft Infrastructure for the Rising Seas " in *Rising Currents*, Ed. Barry Bergdoll, New York: MoMA, 2011. 42-57. (skim projects, 60-109).
- Frank Wing. "Thirty-Five Years of Typhoid" in *The Pittsburgh Survey, vol 5*. Ed. Paul Kellog. New York: Russel Sage Foundation. 65-86. (Skim following article "The Housing of Pittsburgh's Workers.")
- H.J. Heinz, et al. "History...," "Results...," "Flood Damage," "Methods. . ." in *Report of the Flood Commission of Pittsburgh Pennsylvania*. Pittsburgh, Pa: Murdoch, Kerr & Company, 1912. 1-16, 62-78. (skim maps, appendices)

Case Study- Powell/Carnegie/Kellog

Linking Reclamation, Industry, and Reform in Water Policy

Wk 8- 3/25

Energy Aspirations and Appropriations

Electric and Oil Excavation, Consumption, Coupling

- Rania Ghosn. "Introduction" in *New Geographies 2 (Landscapes of Energy)*, Cambridge, Mass: Harvard University Press, 2009. 7-10.
- Kate Orff, "Ecological Atlas" in *Petrochemical America*, New York: Aperture Foundation, 2012. 119=198.
- Neeraj Bhatia and Mary Casper, *Petropolis of Tomorrow*. [S.l.]: Actar, 2013. (selections to be determined)
- Pinchot, Cooke, Beck, et al., *Giant Power* issue of *Survey Graphic*. East Stroudsburg, Pa: Survey Associates, 1924. 561-3, 584-594, 600-610, skim others as desired.
- Benton MacKaye, "Tennessee-Seed of a National Plan," in *Survey Graphic May 1933*, East Stroudsburg, Pa: Survey Associates, 1933. 251-54, 293.

Case Study- MacKaye/Morgan/Cooke

TVA, from Big Power's Institution Aims to Development Models

Wk 9- 4/1

Diversifying Industrial Food-sheds

Agricultural Chains, Production Tectonics

- Pierre Bélanger & Curtis Roth. "The Agronomic Landscape" in *GAM 07* edited by Klaus Loenhardt. New York, NY: Springer, 2007. 166-183.

- Charles Waldheim. "Notes toward a History of Agrarian Urbanism," *On Farming: Bracket 1*. ed. White, Mason, and Maya Przybylski, Actar, 2010. 18-24. (skim section headers and other projects)
- Walter P. Hedden. "The Food Supply of a Great City" in *How Great Cities are Fed* (New York, NY: D.C. Heath, 1929): 1-16.
- F.L. Wright "The Disappearing City" from *When Democracy Builds*, Chicago:University of Chicago Press, 1945.

Case-Bennett/Zon/Tugwell

Rural Resettlement, Rehabilitation, and Conservation Tectonics

Wk 10- 4/8

Extractions and Exchanges-adjacent vantage points

Industrial Ecology

- Marina Fischer-Kowalski, "Society's Metabolism," in *Journal of Industrial Ecology*. Cambridge, MA: MIT Press, 1998, 2:1/ 2:4, 61-78 , 107-136.
- Odum, Howard T. "Energy, Ecology, and Economics" in *Energy in Society*, 1973, 2:6, 220-227.

Group research presentations (4, 5, 6)

INSTITUTIONAL OPENINGS AND REGIONAL AGENCY(ES)

Wk 11- 4/15

'Colonial' Efforts and (Post) State Systems

Development Assumptions and Approaches

- Keller Easterling, "Cable" in *New Geographies 1*. Cambridge, MA: Harvard U. Press, 2009, 62-74. (skim also Peter Hall's commentary, "Geography and Planning: A New Version of an Old Story?")
- Lateral Architects, misc documentation of the *Next North* project, on-going. See pdf.
- Stoss, Skim typologies within the "Land Use Element" and "The City Systems Element" in *Detroit Future City*. Detroit Plan from 2012, 91-203.
- Benton MacKaye, "The New Northwest Passage" and "Industrial Exploration" series in *The Nation*. New York, NY: The Nation Co, 1926,1927. see pdf for pages.

Case Study-Continental Strategies of the 1940s-1950s Export Forms of Regional/Rural Planning from WPA to Intern'l Aid

Wk 12- 4/22

The 'Survey' and Arenas of Operation

- James Corner, "The Agency of Mapping" Denis Cosgrove, ed. *Mappings*. London: Reaktion Books, 1999. 213-252
- Brian Davis, skim his plots on "mapping" at <http://landscapearchipelago.com/>
- Eyal Weizman. "Forensic Architecture: The Place of Law in War" GSD lecture 10/2012. <http://www.gsd.harvard.edu/#/media/eyal-weizman-forensic-architecture-the-place-of-law-in-war.html>

- Ian McHarg, "Process as Values " in *Design with Nature*. New York: J. Wiley, 1994. 103-115. (Skim extended Washington/Process sections.)

Wrap-up on regional idea(l)s and professional/social tactics

Outline of review structure, research presentations

Wk 13- 4/29
final presentations