

## Infrastructure and Power in the Global South

Winter 2019

Thursdays, 12-2:50

Professor Gabrielle Hecht

[ghecht@stanford.edu](mailto:ghecht@stanford.edu)

The study of infrastructure by the humanists and social scientists was incubated some twenty years ago in the field of STS (science and technology studies). Interest in infrastructure has ballooned since then, with STS scholars entering into conversation with area studies, post/colonial studies, and other scholarship on the “Global South.” These conversations have produced dramatic new understandings of what “infrastructures” are, how to theorize them, and how to analyze them as conduits of social and political power. This course offers a graduate-level introduction to these conversations, drawing primarily on works from STS, anthropology, history, geography, and (to a lesser extent) architecture & urban studies.

### Course requirements

#### Talking & listening

This is a discussion seminar. Its success depends on the commitment and involvement of all members. Therefore, you are expected to arrive thoroughly prepared to participate actively in all discussions. Participation is not just about talking – it’s also about listening. This is particularly important with a multi-disciplinary group: we must speak in ways that others can understand, hear unfamiliar concepts and engage with them seriously, and avoid the temptation to show off esoteric knowledge with fashionable jargon. Attendance is mandatory. Absences should occur only in case of dire need and should be cleared in advance if at all possible.

#### Reading & viewing

Reading all the material is essential. Before you plunge in, I *strongly* recommend reading Paul N. Edwards, “How to Read a Book,” available on Canvas or in the “Pedagogical Essays” of the author’s website: <http://pne.people.si.umich.edu/essays.html>. Even the most accomplished and experienced students, postdocs, and faculty find this guide useful for getting through large amounts of reading in limited amounts of time.

As is typical of grad seminars, most of your work involves reading academic books and articles. In addition, we will be experimenting with two other modes of expression: (1) Many sessions include a series of “small bites”: these are brief essays written by academics for broader audiences, published in a variety of new online venues (such as *limn*, *Somatosphere*, *Aeon*, *The Conversation*, and others). (2) Several sessions also include collections of photography – some by professional photographers, others the fruit of collaborations between photographers and scholars. We will talk about how to approach these materials on the first day of class.

Most material is posted on the Canvas site. For copyright reasons, this does not include the following books, which are available for purchase online (check for used editions!) or through the bookstore, and are also on reserve in the library:

Bear, Laura. *Navigating Austerity: Currents of Debt Along a South Asian River* (Stanford, 2015).

Hart, Jennifer. *Ghana on the Go: African Mobility in the Age of Motor Transportation* (Indiana, 2016).

Fredericks, Rosalind. *Garbage Citizenship: Vital Infrastructures of Labor in Dakar, Senegal* (Duke, 2018).

Tousignant, Noémi. *Edges of Exposure* (Duke, 2018).

Weizmann, Eyal. *Hollow Land: Israel's Architecture of Occupation* (Verso, new edition 2017).

Mikael Wolfe, *Watering the Revolution: an Environmental and Technological History of Agrarian Reform in Mexico* (Duke, 2017).

### Leading class discussion

Twice during the quarter – usually in partnership with another student – you will present on a selection of the recommended readings and lead class discussion:

- 1) Together with your presentation partner, choose material from the recommended reading box. You should each aim to read about 100-150 pages worth of material, which generally works out to 3 articles or a good chunk of a book. Each partner should choose something different to read.

I'm happy to consider requests to read materials outside the box. You can draw from the "additional sources" list at the end of the syllabus, or propose something else entirely. But you must clear all such requests with me a minimum of 10 days before your scheduled presentation. Requests should include a brief explanation of why your proposed readings are suited to the session in question.

- 2) Write brief (800 words max) think piece that links your readings to the material considered by the whole class. **Post this essay to Canvas by 8 pm the day before class, and bring a single paper copy to hand in during class time.**
- 3) In conjunction with your presentation partner, prepare a 1-page handout as an aid to class discussion. This handout should list what you consider to be the three or four most significant analytical points for the week's common reading. For each point, add a brief comment linking it to the background reading done by you and your partner. The handout should also offer 2-3 questions designed to provoke class discussion. **Write the handout in outline or bulleted form (rather than continuous prose). Do not exceed 1 page. Please bring enough paper copies of the handout to distribute to all class members.**

At the beginning of that class session, the presenter(s) will spend no more than 20 minutes (total) presenting their think pieces and elaborating on the discussion questions. **These presentations MUST be delivered without reading from a text** (a skill you should all be practicing). All presenters should participate equally.

### Writing

**Weekly posts.** Starting with our second meeting on January 17, you must post a response to the readings for every session in which you are NOT leading the discussion. **Posts are due on Canvas by 2 pm the day before class.** Aim for 500 words; do not exceed 600 words. You can assume that we've all read the texts, so do *not*

summarize the readings. Instead, pick a theme that cuts across several of the readings and engage with that theme analytically, drawing on examples from the texts. *These posts should be carefully written and argued.*

Our class discussion will be more productive – and more fun – if you read and think about each other’s posts before class. So, sometime between 2 pm on Wednesday and 11 am on Thursday, please post a brief response to two other posts. These responses can be as simple as a question, and should not exceed 50 words. The goal is simply to get your brain warmed up for the discussion.

**Final project.** The final project will be a “short bite” of around 2000 words, not including notes. The precise topic is up to you (it must fit within the ambit of the course), but the genre should be modeled on the “small bites” format we’ve been reading in class. The main difference is that you will use notes, in which you’ll offer the scholarly infrastructure behind your claim. We will discuss this assignment further in class.

You must discuss and clear your topic with me by February 7. Proposals (consisting of a 1-page description of your topic, along with an annotated bibliography of 6-8 items) are due in class on Thursday, February 21<sup>st</sup>. We will workshop these in small groups. **Please also email these proposals directly to me as a Word attachment.**

**Final papers are due March 21<sup>st</sup> by 1 pm, by email as Word attachments.**

#### **Honor Code, Fundamental Standard, and Learning Needs:**

All students are responsible for fully understanding and following the Honor Code. Students must also abide by the Fundamental Standard. If you have any questions about plagiarism and the honor code, you should speak directly with me and/or visit: <https://communitystandards.stanford.edu>.

Students eligible for accommodations should register with the Office of Accessible Education (563 Salvatierra Walk, <https://oae.stanford.edu>). You must inform me during the first week of class of any accommodations you require. Rest assured that I have a lot of experience – both personal and professional – addressing accommodation requests. I will help to the fullest possible extent, and will respect your confidentiality.

## Class schedule

### 1/10 Week 1: Introduction

Last Week Tonight with John Oliver. "Infrastructure." Filmed May 2015. YouTube video, 21:13.  
Posted May 2015. <https://www.youtube.com/watch?v=Wpzvaqypav8>.

Ashley Carse, "Keyword: infrastructure: How a humble French engineering term shaped the modern world," in Harvey, Jensen, & Morita eds., *Infrastructures and Social Complexity* (Routledge 2017): 27-39.

Comaroff, Jean and John L. Comaroff. "[Writing Theory from the South: The Global Order from an African Perspective.](#)" *World Financial Review* (Sept-Oct. 2013): 17-20.

### 1/17 Week 2: Foundations

Star, Susan Leigh. "The Ethnography of Infrastructure." *American Behavioral Scientist* 43, no. 3 (1999): 377-391.

Harvey, Penelope, Hannah Knox. "The Enchantments of Infrastructure." *Mobilities* 7, no. 4 (2012): 521-536.

Simone, Abdou Maliq. "People as Infrastructure: Intersecting Fragments in Johannesburg." *Public Culture* 16, no. 3 (2004): 407-429.

Jackson, Steven J. "Rethinking Repair." In *Media technologies: Essays on Communication, Materiality, and Society*, edited by Tarleton Gillespie, Pablo J. Boczkowski, and Kirsten A. Foot, 221-39. Cambridge, MA: MIT Press, 2014.

Furlong, Kathryn. "STS Beyond the 'Modern Infrastructure Ideal': Extending Theory by Engaging with Infrastructure Challenges in the South." *Technology in Society* 38 (2014): 139-147.

Edwards, Paul. "Infrastructure and Modernity: Force, Time and Social Organization in the History of Sociotechnical Systems." In *Modernity & Technology*, edited by Thomas J. Misa, Philip Brey, and Andrew Feenberg, 185-226. Cambridge, MA: MIT Press, 2003.

Larkin, Brian. "The Politics and Poetics of Infrastructure." *Annual Review of Anthropology* 42 (2013): 327-343.

Prasad, Vijay. *The Poorer Nations: A Possible History of the Global South*. New York: Verso, 2012. Introduction & Ch. 2, pp 85-142.

### Photography:

Find a photo that represents an aspect of infrastructure in the global south of particular interest to you. Enter the highest resolution version you can find into the common slide deck by 9 am on Wednesday, 16 January, and include a brief caption (Photographer & source, plus <25 word descriptor).

Please take a look through the common slide deck before class.

**Recommended:**

- Comaroff, Jean and John L. Comaroff. *Theory from the South, or, How Euro-America is Evolving Around Africa*. Boulder, CO: Paradigm Publishers, 2012.
- Elyachar, Julia. "Next Practices: Knowledge, Infrastructure, and Public Goods at the Bottom of the Pyramid." *Public Culture* 24, no. 1 (2012): 109-129.
- Lee, Christopher J., ed. *Making a World after Empire: The Bandung Moment and Its Political Afterlives*. Athens, OH: Ohio University Press, 2010.
- LeMenager, Stephanie. "Infrastructure Again, and Always." *Reviews in Cultural Theory (Special Issue on Energy Humanities)*. 6, no. 3 (2015): 25-29.
- Prashad, Vijay. *The Darker Nations: A People's History of the Third World*. New York: New Press, 2007.
- Serlin, David. "Confronting African Histories of Technology: A Conversation with Keith Breckenridge and Gabrielle Hecht," with *Radical History Review* 127 (January 2017): 87-102.
- Tomlinson, B. R. "What was the Third World?" *Journal of Contemporary History* 38, no. 2 (2003): 307-321.
- Venkatesan, Soumya et al. (2016) "Attention to Infrastructure Offers a Welcome Reconfiguration of Anthropological Approaches to the Political." *Critique of Anthropology* 38, no. 1 (2016): 3-52.
- Westad, Odd Arne. *The Global Cold War: Third World Interventions and the Making of Our Times*. Cambridge: Cambridge University Press, 2006.

**1/24 Week 3 Energy and Water**

Barak, On. "Three Watersheds in the History of Energy." *Comparative Studies of South Asia, Africa and the Middle East* 34, 3 (2014): 440-453.

Mikael Wolfe, *Watering the Revolution: an Environmental and Technological History of Agrarian Reform in Mexico* (Duke, 2017): Introduction & chs 2, 3, & 6.

Gupta, Akhil. "[An Anthropology of Electricity from the Global South](#)." *Cultural Anthropology* 30, no. 4 (2015): 555-568.

Howe, Cymene, Dominic Boyer. "Aeolian Politics." *Distinktion: Journal of Social Theory* 15, no. 1 (2015): 31-48.

Weszkalnys, Gisa. "Geology, Potentiality, Speculation: On the Indeterminacy of First Oil." *Cultural Anthropology* 30, no. 4 (2015): 611-639. <https://doi.org/10.14506/ca30.4.08>

**Small bites (choose 3):**

Negrón-Muntaner, Frances. "[Blackout: What Darkness Illuminated in Puerto Rico](#)." *Politics/Letters* (blog). March 2, 2018, <http://politicsslashletters.org/blackout-darkness-illuminated-puerto-rico/>.

Carse, Ashley, Jason Cons, and Townsend Middleton. "Preface: Chokepoints." *Limn* 10 (April 2018). <https://limn.it/articles/preface-chokepoints/> + Valdivia, Gabriela. "Viscosity: A Minor Theory of Oil Capital Flow." *Limn* 10 (April 2018). <https://limn.it/articles/viscosity-a-minor-theory-of-oil-capital-flow/>

Degani, Michael. "Disservice Lines." *Limn* 10 (April 2018). [https://limn.it/articles/disservice\\_lines/](https://limn.it/articles/disservice_lines/)

Collier, Stephen J., Jamie Cross, Peter Redfield, and Alice Street. "Preface: Little Development Devices/Humanitarian Goods." *Limn* 9 (Nov. 2017). <https://limn.it/issues/little-development-devices-humanitarian-goods/> + Cross, Jamie. "Solar Basics." *Limn* 9 (Nov. 2017). <https://limn.it/articles/solar-basics/>

Lord, Austin. "Humility and Hubris in Hydropower." *Limn* 9 (Nov. 2017). <https://limn.it/articles/humility-and-hubris-in-hydropower/>

## Photography (choose 1):

Burtynsky, Edward. *Oil*. Göttingen: Steidl; Washington, DC: Corcoran Gallery of Art, 2009.

Kashi, Ed, and Michael Watts. *Curse of the Black Gold: 50 Years of Oil in the Niger Delta*. Brooklyn, NY: PowerHouse Books, 2008.

### Recommended:

- Allison, James Robert. *Sovereignty for Survival: American Energy Development and Indian Self-Determination*. New Haven, CT: Yale University Press, 2015.
- Appel, Hannah, Arthur Mason, and Michael Watts, eds. *Subterranean Estates: Life Worlds of Oil and Gas*. Ithaca, NY: Cornell University Press, 2015.
- Barak, On. "[Outsourcing](#): Energy and Empire in the Age of Coal, 1820–1911." *International Journal of Middle East Studies* 47, no. 3: 425-445.
- Boyer, Dominic. "Anthropology Electric." *Cultural Anthropology* 30, no. 4 (2015): 531–539. <https://doi.org/10.14506/ca30.4.02>
- Chikowero, Moses. "Subalternating Currents: Electrification and Power Politics in Bulawayo, Colonial Zimbabwe, 1894-1939," *Journal of Southern African Studies* 2007 vol. 33 (2): 287-306.
- Dean, Erin. "The Paradox of Power: Connection, Inequality, and Energy Development on Tumbatu Island, Zanzibar," *Ethnology* (summer 2010) 49 (3): 185-206.
- Halff, Antoine, Benjamin K. Sovacool, and Jon Rozhon, eds. *Energy Poverty: Global Challenges and Local Solutions*. Oxford: Oxford University Press, 2015.
- Jones, Toby. *Desert Kingdom: How Oil and Water Forged Modern Saudi Arabia*. Harvard University Press, 2010.
- Kale, Sunila S. 2014. "[Structures of Power](#): Electrification in Colonial India." *Comparative Studies of South Asia, Africa and the Middle East* 34, no.3 (2014): 454-475.
- Mains, Daniel. "Blackouts and Progress: Privatization, Infrastructure, and a Developmentalist State in Jimma, Ethiopia." *Cultural Anthropology* Vol. 27, No. 1 (2012): 3-27.
- McDermott Hughes, David. *Energy Without Conscience: Oil, Climate Change, and Complicity*. Durham, NC: Duke University Press, 2017.
- Miescher, Stephan F. and Dzodzi Tsikata, "Hydro-power and the promise of modernity and development in Ghana: Comparing the Akosombo and Bui dam projects," *Ghana Studies*, v. 12/13 (2009/2010): 15-53.
- Mitchell, Timothy. *Carbon Democracy: Political Power in the Age of Oil*. London: Verso Books, 2011.
- Nies, Judith. "The Black Mesa Syndrome: Indian Lands, Black Gold." *Orion Magazine*. Summer 1998. Accessed September 2, 2018. <https://orionmagazine.org/article/the-black-mesa-syndrome/>
- O'Rourke, Dara, Sarah Connolly. "Just Oil? The Distribution of Environmental and Social Impacts of Oil Production and Consumption." *Annual Review of Environment and Resources* 28 (2003): 587-617.
- Schwenkel, Christina. "The Current Never Stops: Intimacies of Energy Infrastructure in Vietnam." In *The Promise of Infrastructure*, edited by Nikhil Anand, Akhil Gupta, & Hannah Appel, 102-130. Durham, NC: Duke 2018. 102-129.
- Shafiee, Katayoun. *Machineries of Oil: An Infrastructural History of BP in Iran*. Cambridge, MA: MIT Press, 2018.
- Shafiee, Katayoun. *Machineries of Oil: An Infrastructural History of BP in Iran*. Cambridge, MA: MIT Press, 2018.
- Shamir, Ronen. *Current flow: The Electrification of Palestine*. Stanford, CA: Stanford University Press, 2013.
- Tischler, Julia. "Negotiating Modernization: The Kariba Dam Project in the Central African Federation, ca. 1954-1960," in Peter J. Bloom, Takyiwaa Manuh, and Stephan F. Miescher, eds. *Modernization as Spectacle in Africa* (Indiana University Press, 2014).
- Winther Tanja. *The Impact of Electricity: Development, Desires and Dilemmas*. New York: Berghahn Books, 2008.

## 1/31 Week 4 Mobility

Harvey, Penelope. "The topological quality of infrastructural relation: an ethnographic approach." *Theory, Culture & Society* 29, no. 4–5 (2012): 76–92.

Freed, Libbie. "Networks of (Colonial) Power: Roads in French Central Africa after World War I." *History and Technology* 26, no. 3 (2010): 203-223.

Khan, Naveeda. "[Flaws in the Flow: Roads and their Modernity in Pakistan](#)" *Social Text* 24, no. 4 (2006): 87-113.

Carse, Ashley. "Nature as infrastructure: making and managing the Panama Canal watershed." *Social Studies of Science* 42, no. 4 (2012): 539–63.

Salon, Deborah, Sumila Gulyani. "Mobility, Poverty, and Gender: Travel 'Choices' of Slum Residents in Nairobi, Kenya." *Transport Reviews* 30, no. 5 (2010): 641-657, DOI: 10.1080/01441640903298998

Hart, Jennifer. *Ghana on the Go: African Mobility in the Age of Motor Transportation*. Bloomington, IN: Indiana University Press, 2016. Introduction and chs 1 & 5. Diving into other chapters in the book is encouraged but optional.

### Small bites (read all):

Dua, Jatin. "Chokepoint Sovereignty." *Limn* 10 (April 2018). <https://limn.it/articles/chokepointsovereignty/>

Melly, Caroline. "Bottlenecks: An Urban Physics." *Limn* 10 (April 2018). <https://limn.it/articles/bottlenecks-an-urban-physics/>

Bjork-James, Carwil. "Blockade: The Power of Interruption." *Limn* 10 (April 2018): <https://limn.it/articles/blockade-the-power-of-interruption/>.

### Recommended:

Ahuja, Ravi. *Pathways of Empire. Circulation, 'Public Works' and Social Space in Colonial Orissa (c. 1780-1914)*. Hyderabad: Orient Blackswan, 2009.

Chattopadhyay, Swati. "The Art of Auto-Mobility: Vehicular Art and the Space of Resistance in Calcutta." *Journal of Material Culture* 14, no. 1 (2009): 107-139.

Green, Nile. "From the Silk Road to the Railroad (and Back): The Means and Meanings of the Iranian Encounter with China." *Iranian Studies* 48, no. 2 (2015): 165-192.

Harvey, Penny, Hannah Knox. *Roads: An Anthropology of Infrastructure and Expertise*. Ithaca, NY: Cornell University Press, 2015.

Mavhunga, Clapperton Chakanetsa. *Transient Workplaces: Technologies of Everyday Innovation in Zimbabwe*. Cambridge, MA: MIT Press, 2014.

Monson, Jamie. *Africa's Freedom Railway: How a Chinese Development Project Changed Lives and Livelihoods in Tanzania*. Bloomington, IN: Indiana University Press, 2009.

Ramos, Stephen J. *Dubai Amplified: The Engineering of a Port Geography*. Burlington, VT: Ashgate, 2010.

Rizzo, Matteo. *Taken for A Ride: Grounding Neoliberalism, Precarious Labour, and Public Transport in an African Metropolis*. Oxford: Oxford University Press, 2017.

Schler, Lynn. *Nation on Board: Becoming Nigerian at Sea*. Athens, OH: Ohio University Press, 2016.

## 2/7 Week 5 Racialized Knowledge Infrastructures

Starr, Susan Leigh and Geoffrey C. Bowker. "The Case of Race Classification and Reclassification under Apartheid." In *Sorting Things Out: Classification and its Consequences*, 2<sup>nd</sup> edition, 195-225. Cambridge, MA: MIT Press, 1999.

TallBear, Kim. *Native American DNA: Tribal Belonging and the False Promise of Genetic Science*. Minneapolis, MN: University of Minnesota Press, 2013. **Selections.**

Braun, Lundy. *Breathing Race into the Machine: The Surprising Career of the Spirometer from Plantation to Genetics*. Minneapolis, MN: University of Minnesota Press, 2014. Introduction + chs 2 & 7 + epilogue. **84 pages.**

Rana, Junaid. "The Racial Infrastructure of the Terror-Industrial Complex." *Social Text* 34, no. 4 (2016): 111-138.

Amrute, Sareeta. *Encoding Race Encoding Class: Indian IT Workers in Berlin*. Durham, NC: Duke University Press, 2016. (Selections).

### Short bite:

Whose Knowledge? *Whose Knowledge* (blog). <https://whoseknowledge.org/blog/>.

### Photography:

West, Edward. *Casting Shadows: Images from a new South Africa*. Ann Arbor, MI: University of Michigan Museum of Art; Seattle, WA: University of Washington Press, 2001.

### Recommended:

Abu El-Haj, Nadia. "The Genetic Reinscription of Race." *Annual Review of Anthropology* 36 (2007): 283-300.

Abu El-Haj, Nadia. *The Genealogical Science: The Search for Jewish Origins and the Politics of Epistemology*. Chicago: University of Chicago Press, 2012.

Browne, Simone. *Dark Matters: On the Surveillance of Blackness*. Durham, NC: Duke University Press, 2015.

Fullwiley, Duana. "The Biological Construction of Race: 'Admixture' Technology and the New Genetic Medicine." *Social Studies of Science* 38I no. 5 (2008): 695-735.

Fullwiley, Duana. *The Enculturated Gene: Sickle Cell Health Politics and Biological Difference in West Africa* (Princeton, 2011)

Montoya, Michael. *Making the Mexican Diabetic: Race Science and the Genetics of Inequality*. Berkeley: University of California Press, 2010.

Nightingale, Carl. *Segregation: A Global History of Divided Cities*. Chicago: University of Chicago Press, 2012.

Strum, Circe. *Blood Politics: Race, Culture, and Identity in the Cherokee Nation of Oklahoma*. Berkeley: University of California Press, 2002.

## 2/14 Week 6 Security

Weizmann, Eyal. *Hollow Land: Israel's Architecture of Occupation*. London: Verso, 2017. (Selections).

Mbembe, Achille. "Necropolitics." *Public Culture* 15, no. 1 (2003): 11-40. Translated by Libby Meintjes.

Elden, Stuart. "[Secure the Volume: Vertical Geopolitics and the Depth of Power.](#)" *Political Geography* 34 (2013): 35-51.

Oldenziel, Ruth. "Islands: The United States as a Networked Empire." In *Entangled Geographies: Empire and Technopolitics in the Global Cold War*, edited by Gabrielle Hecht, 13-42. Cambridge, MA: MIT Press, 2011.

Collier, Stephen J., Andrew Lakoff. 2008. "The vulnerability of vital systems: how 'critical infrastructure' became a security problem." In *The Politics of Securing the Homeland: Critical Infrastructure, Risk and Securitisation*, edited by Myriam Dunn Cavelty and Kristian Sjøby Kristensen, 40-62. New York: Routledge, 2008.

Khalili, Laleh "The infrastructural power of the military: The geoeconomic role of the US Army Corps of Engineers in the Arabian Peninsula." *European Journal of International Relations* (2017): 1-27.



Khalili, Laleh. "The Roads to Power: The Infrastructure of Counterinsurgency." *World Policy Journal* 34, no. 1 (2017): 93-99.

Cowen, Deborah. "A Geography of Logistics: Market Authority and the Security of Supply Chains." *Annals of the Association of American Geographers* 100, no. 3 (2010): 1–21.

### **No short bites or photography this week.**

#### **Recommended:**

Cowen, Deborah. *The Deadly Life of Logistics: Mapping Violence in Global Trade*. Minneapolis: University of Minnesota Press, 2014.

Graham, Stephen. *Vertical: The City from Satellites to Bunkers*. London: Verso, 2018. Selections.

Jones, Toby. "America, Oil, and War in the Middle East." *Journal of American History* 99, no. 1 (2012): 208-218.

Zeiderman, Austin. *Endangered City: The Politics of Security and Risk in Bogotá*. Durham, NC: Duke University Press, 2016.

**2/21 Week 7 Project proposals due**

**2/28 Week 8 Toxicity**

Tousignant, Noémi. *Edges of Exposure*. Durham, NC: Duke University Press, 2018. Selections.

Hecht, Gabrielle. *Being Nuclear: Africans and the Global Uranium Trade* (MIT Press, 2012): chs 6 & 7.

Michelle Murphy, "Chemical Infrastructures of the St Clair River," 103-116 in Soraya Boudia & Nathalie Jas, eds., *Toxicants, Health, and Regulation since 1945* (Pickering & Chatto, 2013).

Didier Torny, "Managing an Everlastingly Polluted World: Food Policies And Community Health Actions in the French West Indies," 117-134 in Soraya Boudia & Nathalie Jas, eds., *Toxicants, Health, and Regulation since 1945* (Pickering & Chatto, 2013).

Read with Agard-Jones, Vanessa. "Spray," *Somatosphere*.

[Liboiron, Max. "Waste Colonialism," \*Discard Studies\* \(Nov. 1, 2018\).](#)

#### **Small bites (read all):**

Hoffman, Danny. "Toxicity." In "Toxicity, Waste, and Detritus in the Global South: Africa and Beyond." Special Issue of *Somatosphere*, edited by Gabrielle Hecht and Pamila Gupta, 2017.

Musemwa, Muchaparara. "[Lake](#)." In "Toxicity, Waste, and Detritus in the Global South: Africa and Beyond." Special Issue of *Somatosphere*, edited by Gabrielle Hecht and Pamila Gupta, 2017.

Thomas, Lynn M. "Beauty." In "Toxicity, Waste, and Detritus in the Global South: Africa and Beyond." Special Issue of *Somatosphere*, edited by Gabrielle Hecht and Pamila Gupta, 2017.

#### **Photography:**

Find a photo that represents an aspect of toxicity in the global south of particular interest to you. Enter the highest resolution version you can find into the common slide deck by 9 am on Wednesday, 27 February, and include a brief caption (Photographer & source, plus <25 word descriptor).

Please take a look through the common slide deck before class.

**Recommended:**

Arnold, David. *Toxic Histories: Poison and Pollution in Modern India*. Cambridge University Press, 2016.

Auyero, Javier and Débora Alejandra Swistun. *Flammable: Environmental Suffering in an Argentine Shantytown*. Oxford University Press, 2009.

Choy, Timothy K. *Ecologies of Comparison: An Ethnography of Endangerment in Hong Kong*. Durham, NC: Duke University Press, 2011.

Fortun, Kim. *Advocacy after Bhopal* (Chicago, 2001).

Livingston, Julie. *Improvising Medicine: An African Oncology Ward in an Emerging Cancer Epidemic* (Duke University Press, 2012).

Nixon, Rob. *Slow Violence and the Environmentalism of the Poor*. Cambridge, MA: Harvard University Press, 2011.

Pellow, David Naguib. *Resisting Global Toxics: Transnational Movements for Environmental Justice*. MIT Press, 2007.

Shapiro, Judith. *Mao's War against Nature: Politics and the Environment in Revolutionary China*. Cambridge: Cambridge University Press, 2001.

Taylor, Dorceta E. *Toxic Communities: Environmental Racism, Industrial Pollution, and Residential Mobility*. New York: New York University Press, 2014.

**3/7      Week 9              City Shit**

Fredericks, Rosalind. *Garbage Citizenship: Vital Infrastructures of Labor in Dakar, Senegal*. Durham, NC: Duke University Press, 2018.

Anand, Nikhil. "Pressure: The PoliTechnics of Water Supply in Mumbai." *Cultural Anthropology* 26, no. 4 (2011): 542–564.

Jensen, Casper Bruun. "Multinatural Infrastructure: Phnom Penh Sewage," in Harvey, Jensen, & Morita eds., *Infrastructures and Social Complexity* (Routledge 2017): 227-241

Ranganathan, Malini. "[Mafias in the Waterscape: Urban Informality and Everyday Public Authority in Bangalore.](#)" *Water Alternatives* 7, no. 1 (2014): 89-105.

**Small bites (choose 3):**

Berg, Anne. "[Dump.](#)" In "Toxicity, Waste, and Detritus in the Global South: Africa and Beyond." Special Issue of *Somatosphere*, edited by Gabrielle Hecht and Pamila Gupta, 2017.

Grace, Josh. "[Poop.](#)" In "Toxicity, Waste, and Detritus in the Global South: Africa and Beyond." Special Issue of *Somatosphere*, edited by Gabrielle Hecht and Pamila Gupta, 2017.

Gastrow, Claudia. "[Urban.](#)" In "Toxicity, Waste, and Detritus in the Global South: Africa and Beyond." Special Issue of *Somatosphere*, edited by Gabrielle Hecht and Pamila Gupta, 2017.

[Thieme, Tatiana. "Water is Life, but Sanitation is Dignity." \*Limn\* 9 \(Nov. 2017\).](#)

[Redfield, Peter. "On Band-aids and Magic Bullets." \*Limn\* 9 \(Nov. 2017\).](#)

**Photography:**

De Boeck, Filip and Sammy Baloji. *Suturing the City: Living Together in Congo's Urban Worlds*. London: Autograph, 2016.

## #SelfieDéchets and/or #selfielixo (or other garbage selfie hashtags from the global south)

### Recommended:

- Anand, Nikhil. *Hydraulic City: Water and the Infrastructures of Citizenship in Mumbai*. Durham, NC: Duke University Press, 2017.
- Appadurai, Arjun. "Housing and Hope." In *The Future as Cultural Fact: Essays on the Global Condition*. New York: Verso Books, 2013.
- Björkman, Lisa and Andrew Harris. "Engineering cities: Mediating Materialities, Infrastructural Imaginaries and Shifting Regimes of Urban Expertise." *International Journal of Urban and Regional Research* 42, no. 2 (2018): 244-262.
- Chalfin, Brenda. "Public things, excremental politics, and the infrastructure of bare life in Ghana's city of Tema." in *American Ethnologist* 41, no. 1 (2014): 92-109.
- Comaroff, Joshua. "[Built on Sand: Singapore and the New State of Risk](#)." *Harvard Design Magazine* 39 (2014).
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## SOME ADDITIONAL RESOURCES

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