ISSUE EIGHT: FALL 2017 OPEN RIVERS: RETHINKING WATER, PLACE & COMMUNITY



GRASPING WATER



http://openrivers.umn.edu An interdisciplinary online journal rethinking the Mississippi from multiple perspectives within and beyond the academy.

ISSUE EIGHT: FALL 2017

The cover image is of Delta of the Yellow River, China (top) and Delta of the Zambezi River, Mozambique (bottom). Landsat imagery courtesy of NASA Goddard Space Flight Center and U.S. Geological Survey.

Except where otherwise noted, this work is licensed under a <u>Creative Commons Attribution-NonCommercial 4.0 International License</u>. This means each author holds the copyright to her or his work, and grants all users the rights to: share (copy and/or redistribute the material in any medium or format) or adapt (remix, transform, and/or build upon the material) the article, as long as the original author and source is cited, and the use is for noncommercial purposes.

Open Rivers: Rethinking Rethinking Water, Place & Community is produced by the <u>University of Minnesota Libraries Publishing</u> and the <u>University of Minnesota Institute for Advanced Study</u>.

Editors

Editor:

Patrick Nunnally, Institute for Advanced Study, University of Minnesota

Administrative Editor:

Phyllis Mauch Messenger, Institute for Advanced Study, University of Minnesota

Assistant Editor:

Laurie Moberg, Doctoral Candidate, Anthropology, University of Minnesota

Media and Production Manager:

Joanne Richardson, Institute for Advanced Study, University of Minnesota

Contact Us

Open Rivers
Institute for Advanced Study
University of Minnesota
Northrop
84 Church Street SE
Minneapolis, MN 55455

Telephone: (612) 626-5054

Fax: (612) 625-8583

E-mail: <u>openrvrs@umn.edu</u>

Web Site: http://openrivers.umn.edu

ISSN 2471-190X

Editorial Board

Jay Bell, Soil, Water, and Climate, University of Minnesota

Tom Fisher, Metropolitan Design Center, University of Minnesota

Lewis E. Gilbert, Institute on the Environment, University of Minnesota

Mark Gorman, Policy Analyst, Washington, D.C.

Jennifer Gunn, History of Medicine, University of Minnesota

Katherine Hayes, Anthropology, University of Minnesota

Nenette Luarca-Shoaf, Art Institute of Chicago

Charlotte Melin, German, Scandinavian, and Dutch, University of Minnesota

David Pellow, Environmental Studies, University of California, Santa Barbara

Laura Salveson, Mill City Museum, Minnesota Historical Society

Mona Smith, Dakota transmedia artist; Allies: media/art, Healing Place Collaborative

CONTENTS

Introductions

	Introduction to Issue Eight	
	By Patrick Nunnally, Editor	5
	Guest Editors' Introduction to Issue Eight	
	By Ruth Mostern and Ann Waltner	7
F	eatures eatures	
	Watershed Colonialism and Popular Geographies of North American Rivers	
	By Sigma Colon	12
	Industrial Ornament, Modern Symbol: New Orleans' First Waterworks on the Mississippi River	
	By Rina Faletti, Peer Review	29
	Rio Yaqui-The Hiak Vatwe: The Transformation of a Cultural Landscape	
	By Anabel Galindo and James Hopkins	52
	River Conservancy and the Undetermined Future of the Port of Tianjin, 1888-1937	
	By Kan Li	64
	The Vanishing	
	By lan Teh	87
P	erspectives	
	Why is water sacred to Native Americans?	
	By Rosalyn R. LaPier	122
	When a river is a person: from Ecuador to New Zealand, nature gets its day in court	
	By Mihnea Tanasescu	127
G	eographies	
	"C-ing" the River: from Companionship to Control to Catastrophe or Compromise?	
	By Stevan Harrell	133
	Hydrology and World History: Rivers and Watersheds for Students	
	By Patrick Manning	139
lr	ı Review	
•	Listening to a River: How Sound Emerges in River Histories	
	By Christopher Caskey	146
	,	

OPEN RIVERS: ISSUE EIGHT: FALL 2017

ISSUE EIGHT: FALL 2017

Primary Sources

Reflections of "New" Geographies: A Brief Glimpse at Pre-Modern Cartography		
By Marguerite Ragnow	155	
Teaching And Practice		
Grasping Water Summer Institute Reading List		
By Ruth Mostern, Ann Waltner and Kan Li	169	
Editorial		
The People Who Make This Journal Happen		
By <i>Open Rivers</i> Editorial Staff	174	

OPEN RIVERS: ISSUE EIGHT: FALL 2017

TEACHING AND PRACTICE

GRASPING WATER SUMMER INSTITUTE READING LIST

By Ruth Mostern, Ann Waltner, and Kan Li

The following bibliography of book chapters and articles is the reading list that circulated to participants in the 2016 Grasping Water Summer Institute. Each participant read as many of these items as possible before the Institute. This helped to ensure that our diverse group

had some common vocabulary and a few shared points of reference. We had these works to refer to together as we embarked on a collective investigation of art, culture, society, science, and policy along the rivers of three continents over a scale of centuries.



This highly detailed true-color image shows the stark eastern edge of the Zambezi floodplain. To the left of the edge, water covers everything. Deep blue channels wind among green, shallowly flooded plains. To the right of the edge, the land is dry. The city of Kasane is perched confidently along the edge of the flood plain. Image courtesy of NASA Earth Observatory, 2010.

OPEN RIVERS : ISSUE EIGHT : FALL 2017 / TEACHING AND PRACTICE

ISSUE FIGHT: FALL 2017

Creating this reading list was one of the most thrilling, instructive, and challenging tasks we faced as Institute organizers. Each applicant for participation in the Institute submitted suggestions for books, articles, websites or films, resulting in a list of 125 books and articles, 28 websites, and 15 films and videos. We spent weeks reading excerpts, discussing frameworks, and regretfully cutting extraordinary works as we developed this (still lengthy!) collection of materials. We sought to balance case studies and theoretical frameworks, to introduce all the regions, eras, and disciplines that would be represented at the Institute, to share both classics and new works, and to include some writing oriented to policy and action, some journalism, and some thoughtful interrogation of culture and history.

We are grateful to all 74 Institute applicants who shared their advice and expertise with us. We also thank Li Kan, the Institute program assistant, who organized and categorized all the recommendations, created accurate and consistently formatted bibliographic entries for each one, prepared the final list, and assembled a collection of PDF documents for all Institute participants.

We are sharing this bibliography in this issue of Open Rivers as a starting point for readers who wish to learn more about rivers and human systems in Africa, China, and North America.

Africa:

Baguma, D., J. H. Hashim, S. M. Aljunid, and W. Loiskandl. "Safe-water shortages, gender perspectives, and related challenges in developing countries: The case of Uganda." S*cience of The Total Environment* 442 (2013): 96-102.

[abstract: http://www.sciencedirect.com/science/article/pii/S0048969712012867?via%3Dihub]

Havrelock, Rachel. "My Home is Over Jordan: River as Border in Israeli and Palestinian National Mythology." In *River Jordan: The Mythology of a Dividing Line*, 218-274. Chicago: University of Chicago Press, 2011.

[http://press.uchicago.edu/ucp/books/book/chicago/R/bo11310203.html]

McGregor, JoAnn. "Living with the River: Landscape and Memory in the Zambezi Valley, Northwest of Zimbabwe." In *Social history and African Environments*, edited by William Beinart and J. McGregor, 87-106. Oxford: James Currey, 2003.

[http://www.ohioswallow.com/book/Social+History+and+African+Environments]

McKittrick, Meredith. "An Empire of Rivers: The Scheme to Flood the Kalahari, 1919-1945," <u>Journal of Southern African Studies</u> 41:3 (2015): 485-504.

[abstract: http://www.tandfonline.com/doi/full/10.1080/03057070.2015.1025339]

Tvedt, Terje. "Hydrology and Empire: The Nile, Water Imperialism and the Partition of Africa." *The Journal of Imperial and Commonwealth History* 39:2 (2011): 173-194.

 $[abstract: \underline{http://www.tandfonline.com/doi/full/10.1080/03086534.2011.568759}]$

China:

Everding, Gerry. "Humans have been Changing Chinese Environment for 3,000 years: Ancient Levee System Set Stage for Massive, Dynasty-toppling Floods." *Science Daily*, June 19, 2014, http://www.sciencedaily.com/releases/2014/06/140619125052.htm.

Harrell, Stevan. "Intensification, Vulnerability, and Disaster in Chinese History." A paper for the Conference on the Anthropology of Disasters, sponsored by the Yunnan Academy of Social Sciences, Kunming, Yunnan, China, 2013.

[http://faculty.washington.edu/stevehar/Intensification.pdf]

Li, Lillian M. "Managing the Rivers: Emperors as Engineers." In *Fighting Famine in North China*: *State, Market, and Environmental Decline*, 1690s-1990s, 38-73. Stanford: Stanford University Press, 2007.

[http://www.sup.org/books/title/?id=7059]

Lovell, Sharron, and Tom Wang. "Watch: Who Will China's Huge Water Transfer Project Leave Behind?" *Foreign Policy*, January 5, 2016. http://foreignpolicy.com/2016/01/05/watch-who-will-chinas-huge-water-transfer-project-leave-behind/.

North America and China:

Worster, Donald. "The Flow of Empire: Comparing Water Control in China and the United States." *Rachel Carson Center Perspectives* 5 (2011).

[http://www.environmentandsociety.org/perspectives/2011/5/flow-empire-comparing-water-control-united-states-and-china]

North America:

Banister, Jeffrey M. "The Debut of 'Modern Water' in Early 20th Century Mexico City: The Xochimil-co Potable Waterworks." *Journal of Historical Geography* 46 (2014): 36-52. [abstract:http://www.sciencedirect.com/science/article/pii/S0305748814001741?via%3Dihub]

Brummel, R.F. "Mobilizing Place: Examining Mobility, Identity, and Boundary in the Politics of Asian Carp." *Journal of Environmental Studies and Sciences* 5 (2015), doi: 10.1007/s13412-015-0263-7. [abstract: https://link.springer.com/article/10.1007/s13412-015-0263-7]

Halverson, Anders. Chapters 7 & 8. In <u>An Entirely Synthetic Fish: How Rainbow Trout Beguiled America and Overran the World</u>, 76-113. New Haven: Yale University Press, 2010. [https://yalebooks.yale.edu/book/9780300140880/entirely-synthetic-fish]

ISSUE EIGHT : FALL 2017

Jackson, Donald C, and Norris Hundley, Jr. "Privilege and Responsibility: William Mulholland and the St. Francis Dam Disaster." *California History* 82, no. 3 (2004): 8-47. [first page of PDF: http://ch.ucpress.edu/content/82/3/8]

Madrigal, A. C. "What We've Done to the Mississippi River: An Explainer." <u>The Atlantic</u>, May 19, 2011. http://www.theatlantic.com/technology/archive/2011/05/what-weve-done-to-the-mississippi-river-an-explainer/239058/.

McPhee, John. "Atchafalaya." The New Yorker, February 23, 1987. https://www.newyorker.com/magazine/1987/02/23/atchafalaya

Comprehensive:

Brauman, K. A. "Hydrologic Ecosystem Services: Linking Ecohydrologic Processes to Human Well-being." <u>Wiley Interdisciplinary Reviews</u>: Water 2 (2015): 345-58. [abstract: http://wires.wiley.com/WileyCDA/WiresArticle/wisId-WAT21081.html]

Chakrabarty, Dipesh. "Climate and Capital: On Conjoined Histories." <u>Critical Inquiry</u> 41 (2014): 1-23. [first page: http://www.journals.uchicago.edu/doi/abs/10.1086/678154]

Gleick, P. and M. Heberger. "Water and Conflict Events, Trends, and Analysis (2011–2012)." In <u>The World's Water Volume 8</u>, edited by Peter Gleick, 159-171. Washington: Island Press, 2014. [https://islandpress.org/book/the-worlds-water-volume-8]

Linton, Jamie, and Jessica Budds. "The Hydrosocial Cycle: Defining and Mobilizing a Relational-dialectical Approach to Water." *Geoforum* 57 (2013): 170-80. [abstract: http://www.sciencedirect.com/science/article/pii/S0016718513002327]

Vorosmarty, Charles J, Michel Meybeck and Christopher L. Pastore. "Impair-then-Repair: A Brief History & Global-Scale Hypothesis Regarding Human-Water Interactions in the Anthropocene." <u>Daedalus</u> 144:3 (2015): 94-109.

[full text: http://academicworks.cuny.edu asrc_pubs/3/]

Recommended Citation

Mostern, Ruth, Ann Waltner, and Kan Li. 2017. "Grasping Water Summer Institute Reading List." *Open Rivers: Rethinking Water, Place & Community*, no. 8. http://editions.lib.umn.edu/openrivers/article/grasping-water-summer-institute-reading-list/.

About the Authors

Ruth Mostern is Associate Professor of History and Director of the World History Center at the University of Pittsburgh. She is the author of Dividing the Realm in Order to Govern: The Spatial Organization of the Song State (960-1276 CE) (Harvard 2011) and the co-editor of Placing Names: Enriching and Integrating Gazetteers (Indiana 2016). Her current book project is entitled Following

OPEN RIVERS: ISSUE EIGHT: FALL 2017 / TEACHING AND PRACTICE

ISSUE EIGHT : FALL 2017

the Tracks of Yu: The Environmental and Imperial Worlds of the Yellow River. She has co-organized several workshops and meetings on global river history including Grasping Water at the University of Minnesota.

Ann Waltner is a professor in the Department of History at the University of Minnesota. She writes on Chinese history and comparative gender history. Recent works include *The Family: A World History* (with Mary Jo Maynes) and a comprehensive website on the eighteenth-century Chinese novel *Dream of the Red Chamber*, which can be found at http://z.umn.edu/redchamber.

Kan Li is a Ph.D. candidate in history at the University of Minnesota, Twin Cities. She is writing her dissertation about the creation of a modern transportation system in Tianjin in the late nineteenth and early twentieth centuries. She is interested in reinstalling historical contingency and agencies of individuals and the environment into the narrative of China's modernization.