

## 2020 Bibliography for Doing Anti-Racist History of Technology

### Articles and Chapters

- Daniel M. Albert, “Primitive Drivers: Racial Science and Citizenship in the Motor Age,” *Science as Culture* 10:3 (2001): 327–351
- Geneviève Bédoucha, “The Watch and the Waterclock,” in *Technological Choices: Transformation in material cultures since the Neolithic*, ed. Pierre Lemonnier (London: Routledge, 1993), 77-107.
- Chandra D. Bhimull, *Empire in the Air: Airline Travel and the African Diaspora* (New York: NYU Press, 2017).
- Keith Breckenridge, “The Biometric State: The Promise and Peril of Digital Governance in the New South Africa,” *Journal of Southern African Studies* 31(2): 267-282
- Moses Chikowero, “Subalternating Currents: Electrification and Power Politics in Bulawayo, Colonial Zimbabwe, 1894-1939,” *Journal of Southern African Studies* 2007 vol. 33 (2): 287-306.
- Alexandra Cook, “Plant Science and Technology,” chapter 4, *Cultural History of Plants*, vol. 4, ed. Jennifer Milam (Bloomsbury Academic, forthcoming 2021).
- Shadreck Chirikure, “The Metalworker, the Potter, and the Pre-European African ‘Laboratory,’” ch. 3 in Mavhunga, ed., *What do Science, Technology, and Innovation Mean from Africa?* (Cambridge: The MIT Press, 2017).
- Ivan da Costa Marques, ed., “History of Computing in Latin America,” *IEEE Annals of the History of Computing*, Special Issue 37:4 (2015).
- Ron Eglash, “Broken Metaphor: The Master-Slave Analogy in Technical Literature,” *Technology and Culture* 2 (2007): 360–369.
- Ron Eglash and Julian Bleecker, “The Race for Cyberspace: Information Technology in the Black Diaspora,” *Science as Culture* 10 (no. 3, 2001): 353–
- Rayvon Fouché, “Say It Loud, I’m Black and I’m Proud: African Americans, American Artifactual Culture, and Black Vernacular Technological Creativity.” *American Quarterly* 58 (no. 3, 2006): 639–
- Rayvon Fouché, “The Wretched of the Gulf: Racism, Technological Dramas, and Black Politics of Technology,” *The Black Scholar* 36 (no. 4, 2006): 7–12.
- Libbie Freed, “Networks of (colonial) power: roads in French Central Africa after World War I,” *History and Technology* 26, no. 3 (2010): 203–223.
- Jeff Guy and Motlatsi Thabane, “Technology, Ethnicity, and Ideology: Basotho Miners and Shaft-Sinking on the South African Gold Mines,” *Journal of Southern African Studies*, vol. 14, no. 2 (Jan. 1988).
- Gabrielle Hecht, “Hopes for the Radiated Body: Uranium Miners and Transnational Technopolitics in Namibia,” *Journal of African History* 51:2 (June 2010): 213-234.
- Gabrielle Hecht and Paul N. Edwards, “History and the Technopolitics of Identity: The Case of Apartheid South Africa,” *Journal of Southern African Studies* 36:3 (September 2010): 619-639.
- Allen Isaacman, “Displaced People, Displaced Energy, and Displaced Memories: the Case of Cahora Bassa, 1970-2004,” *International Journal of African Historical Studies* 38, 2 (2005): 201-238.

- Jenny Ungbha Korn, “Expecting penises in Chatroulette: Race, gender, and sexuality in anonymous online spaces,” *Popular Communication*, 15:2 (2017): 95-109.
- Pauline Kusiak, “‘Tubab’ technologies and ‘African’ ways of knowing: nationalist techno-politics in Senegal,” *History and Technology* 26:3: 225-249.
- Jung Lee, “Invention without Science: ‘Korean Edisons’ and the Changing Understanding of Technology in Colonial Korea.” *Technology and Culture* 54 (no. 4, 2013): 782–
- Nina E. Lerman, “‘Preparing for the Duties and Practical Business of Life’: Technological Knowledge and Social Structure in Mid-19th-Century Philadelphia,” *Technology and Culture* 38, no. 1 (1997): 31–59.
- Carlos E. Martín, “Mechanization and ‘Mexicanization’: Racializing California’s Agricultural Technology,” *Science as Culture* 10:3 (2001): 301–326.
- Karl Marx, “Machinery and Large-Scale Industry,” in Marx, Karl (ed.), *Capital* (1867; London: Penguin, 1971): 493–494.
- Stephan F. Miescher, “Building the City of the Future: Visions and Experiences of Modernity in Ghana’s Akosombo Township,” *Journal of African History*, 53 (2012): 367-90.
- Projit Bihari Mukharji et al., “Open Conversations: Diversifying the Discipline or Disciplining Diversity? A Roundtable Discussion on Collecting Demographics Data,” *Isis* 111 (June 2020): 310–353.
- Lisa Nakamura, “Indigenous Circuits: Navajo Women and the Racialization of Early Electronics Manufacture,” *American Quarterly* 64 (Dec. 2013): 919–
- Ann Nelson, “Commentary: Diversity in Physics: Are You Part of the Problem?” *Physics Today* 70 (May 2017): 10–11.
- Emily Osborn, “Casting aluminum cooking pots: labour, migration, and artisan production in West Africa’s informal sector, 1945-2005,” *African Identities*, Vol. 7, no. 3 (August 2009): 373-386.
- Emily Osborn, “Containers, Energy, and the Anthropocene in West Africa,” in Gareth Austin, ed., *Economic Development and Environmental History in the Anthropocene: Perspectives on Asia and Africa* (Bloomsbury 2017), 69-93.
- Åsa Össbo and Patrik Lantto, “Colonial Tutelage and Industrial Colonialism: reindeer husbandry and early 20th-century hydroelectric development in Sweden”, *Scandinavian Journal of History*, 36:3, (2011): 324-348.
- Minh-ha T. Pham, “Visualizing the ‘MisFit’: Virtual Fitting Rooms and the Politics of Technology,” *American Quarterly* 67 (March 2015): 165–
- Kapil Raj, “Thinking without the Scientific Revolution: Global Interactions and the Construction of Knowledge,” *Journal of Early-Modern Science* 21 (2017): 445–58.
- Margaret W. Rossiter, “Which Science? Which Women?” *Osiris* 12 (1997): 169–
- David Serlin, “Confronting African Histories of Technology: A Conversation with Keith Breckenridge and Gabrielle Hecht,” *Radical History Review* 127 (January 2017): 87-102.
- Paul A. Shakel and David L. Larsen. “Labor, Racism, and the Built Environment in Early Industrial Harpers Ferry” in *Lines That Divide: Historical Archeologies of Race, Class, and Gender*, James A. Delle, Stephen A. Mrozowski, and Robert Paynter eds. (Knoxville: The University of Tennessee Press, 2000)
- David Skinner and Paul Rosen, “Opening the White Box: The Politics of Racialised Science and Technology,” *Science as Culture* 3 (2001): 285–300

- William K. Storey, “Guns, Race, and Skill in Nineteenth-Century Southern Africa,” *Technology and Culture* 4 (2004) 687–711.
- John Thornton, “Precolonial African Industry and the Atlantic Trade, 1500-1800,” and ensuing debate, especially Austen and Manning, *African Economic History* 19 (1990): 1-54.
- Julia Tischler, “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).
- Laura Ann Twagira, “Introduction: Africanizing the History of Technology,” *Technology and Culture* 61, no. 2S (2020): S1–S19.
- Laura Ann Twagira, “‘Robot Farmers’ and Cosmopolitan Workers: Technological Masculinity and Agricultural Development in the French Soudan (Mali), 1945–68,” *Gender & History* 26(3): 459-477.
- Tinde Van Andel, “The Reinvention of Household Medicine by Enslaved Africans in Suriname”, *Social History of Medicine* 29 (no. 4, 2015): 676–94.
- Geoff D. Zylstra, “Whiteness, Freedom and Technology: The Racial Struggle over Philadelphia’s Streetcars, 1859-1867,” *Technology and Culture* 52 (no. 4, 2011): 678-702

## Books

- Michael Adas, *Dominance by Design: Technological Imperatives and America’s Civilizing Mission* (Cambridge, MA: The Belknap Press of Harvard University Press, 2006)
- Jennifer Karns Alexander, *The Mantra of Efficiency: From Waterwheel to Social Control* (Baltimore: Johns Hopkins University Press, 2008)
- David Arnold, *Everyday Technology: Machines and the Making of India’s Modernity* (Chicago: University of Chicago Press, 2013)
- Ruha Benjamin, *Captivating Technology* (Durham: Duke University Press, 2019)
- Ruha Benjamin, *Race after Technology* (Cambridge, UK: Polity, 2019)
- James Boggs, *The American Revolution: Pages from a Negro Worker’s Notebook* (1963; New York: Monthly Review Press, 2009)
- Lundy Braun, *Breathing Race into the Machine: The Surprising Career of the Spirometer from Plantation to Genetics* (Minneapolis: University of Minnesota Press, 2014)
- Francesca Bray, *Technology and Gender Fabrics of Power in Late Imperial China* (Berkeley, University of California Press, 1997)
- Francesca Bray, *Technology, Gender and History in Imperial China: Great Transformations Reconsidered* (New York: Routledge, 2013)
- André Brock, Jr., *Distributed Blackness: African American Cybercultures* (New York: New York University Press, 2020)
- Meredith Broussard, *Artificial Unintelligence: How Computers Misunderstand the World* (Cambridge, MA: MIT Press, 2018)
- Simone Browne, *Dark Matters: On the Surveillance of Blackness* (Durham: Duke University Press, 2019)

- Robert D. Bullard, Glenn S. Johnson, Angel O. Torres eds., *Highway Robbery: Transportation Racism & New Routes to Equity* (Cambridge: South End, 2004)
- Sarah E. Chinn, *Technology and the Logic of American Racism: A Cultural History of the Body as Evidence* (London: Continuum, 2000)
- Henrique Cukierman, *Yes, Nós Temos Pasteur – Manguinhos, Oswaldo Cruz e a história da ciência no Brasil* [Yes, we have Pasteur – Manguinhos, Oswaldo Cruz and the history of science in Brazil], (Rio de Janeiro: Relume Dumará – FAPERJ, 2007)
- Deborah G. Douglas, *United States Women in Aviation 1940–1985* (Washington, DC: Smithsonian Institution, 1990)
- Ron Eglash, Jennifer L. Croissant, Giovanna Di Chiro, and Rayvon Fouché, eds. *Appropriating Technology: Vernacular Science and Social Power* (Minneapolis: University of Minnesota Press, 2004)
- Rayvon Fouché, *Black Inventors in the Age of Segregation: Granville T. Woods, Lewis H. Latimer, and Shelby J. Davidson* (Johns Hopkins University Press, 2005)
- Venus Green, *Race on the Line: Gender, Labor, and Technology in the Bell System, 1880–1980* (Durham, NC: Duke University Press, 2001)
- Sandra Harding, *The Postcolonial Science and Technology Studies Reader* (Durham, Duke University Press, 2011)
- Jennifer Hart, *Ghana on the Go: African Mobility in the Age of Motor Transportation* (Indiana, 2016).
- Gabrielle Hecht, *Being Nuclear: Africans and the Global Uranium Trade* (MIT Press & Wits University Press, 2012)
- Harold Adams Innis, *Empire and Communications* (1950; Rowman & Littlefield, 2007)
- Sarah J. Jackson, Moya Bailey, and Brooke Foucault Welles, *#HashtagActivism: Networks of Race and Gender Justice* (Cambridge, MA: MIT Press, 2020)
- James H. Jones, *Bad Blood: The Tuskegee Syphilis Experiment* (New York: Free Press, 1981)
- Martha B. Katz-Hyman and Kym S. Rice, *World of a Slave : Encyclopedia of the Material Life of Slaves in the United States* (Santa Barbara, Calif.: Greenwood, 2011)
- Blair M. Kelley, *Right to Ride: Streetcar Boycotts and African American Citizenship in the Era of Plessy V. Ferguson* (Chapel Hill: University of North Carolina, 2010)
- Robin D. G. Kelley, *Race Rebels: Culture, Politics, and the Black Working Class* (New York: Free Press, 1994)
- Theodore Kornweibel, Jr., *Railroads in the African American Experience* (Baltimore: Johns Hopkins UP, 2010)
- Colleen Kriger, *Pride of Men: Ironworking in 19<sup>th</sup> century West Central Africa* (Heinemann, 1999).
- Angela Lakwete, *Inventing the Cotton Gin: Machine and Myth in Antebellum America* (Baltimore: Johns Hopkins University Press, 2005)
- Sean Hsiang-Lin Lei, *Neither Donkey nor Horse: Medicine in the Struggle over China's Modernity* (Chicago, University of Chicago Press, 2014)
- Roy Macleod and Deepak Kumar (eds.), *Technology and the Raj: Western Technology and Technical Transfers to India 1700–1947* (New Delhi: Sage, 1995)
- Giacomo Macola, *The Gun in Central Africa: A History of Technology and Politics* (Ohio University Press, 2016).

- Bimal Krishna Matilal, Jonardon Ganeri, and Heeraman Tiwari, *The Character of Logic in India* (SUNY Press, 1999)
- Clapperton Chakanetsa Mavhunga, *The Mobile Workshop: The Tsetse Fly and African Knowledge Production*, MIT Press 2018.
- Clapperton Chakanetsa Mavhunga, *Transient Workspaces: Technologies of Everyday Innovation in Zimbabwe* (Cambridge, MA: MIT Press, 2015)
- Clapperton Chakanetsa Mavhunga, ed. *What Do Science, Technology, and Innovation Mean from Africa?* (Cambridge, MA: MIT Press, 2017)
- Charlton D. McIlwain, *Black Software: The Internet and Racial Justice, from the AfroNet to Black Lives Matter* (Oxford University Press, 2020)
- Eden Medina, *Cybernetic Revolutionaries: Technology and Politics in Allende's Chile* (Cambridge, MA: MIT Press, 2011)
- Eden Medina, Christina Holmes, and Ivan da Costa Marques, eds. *Beyond Imported Magic: Essays on Science, Technology, and Society in Latin America* (Cambridge, MA: MIT Press, 2014)
- Hiromi Mizuno, Aaron S. Moore, John DiMoia, eds., *Engineering Asia: Technology, Colonial Development, and the Cold War Order* (Bloomsbury Publishing, 2018)
- Thomas S. Mullaney, *The Chinese Typewriter: A History* (Cambridge, MA: MIT Press, 2017)
- Lisa Nakamura, *Digitizing Race: Visual Cultures of the Internet* (University of Minnesota Press, 2007)
- Alondra Nelson, *Body and Soul: The Black Panther Party & the Fight Against Medical Apartheid* (Minneapolis: University of Minnesota Press, 2013)
- Scott Reynolds Nelson, *Steel Drivin' Man: John Henry, The Untold Story of an American Legend* (Oxford: Oxford UP, 2006)
- Safiya Umoja Noble, *Algorithms of Oppression: How Search Engines Reinforce Racism* (New York: New York University Press, 2018)
- Deirdre Cooper Owens, *Medical Bondage* (Athens: University of Georgia, 2018)
- Richard Paul and Steven Moss, *We Could Not Fail: The First African Americans in the Space Program* (Austin: University of Texas Press, 2015)
- Elizabeth Stordeur Pryor, *Colored Travelers: Mobility and the Fight for Citizenship before the Civil War* (Chapel Hill: University of North Carolina, 2016)
- Carroll Pursell, ed. *A Hammer in Their Hands: A Documentary History of Technology and the African-American Experience* (Cambridge, MA: MIT Press, 2005)
- Daniel Rood, *The Reinvention of Atlantic Slavery : Technology, Labor, Race, and Capitalism in the Greater Caribbean* (New York, NY: Oxford University Press, 2017)
- Benoy Kumar Sarkar, *Education for Industrialization: An Analysis of the Forty Years' Work of Jadavpur College of Engineering and Technology 1905–45* (1946; Kolkata: The National Council of Education, Bengal, 2017)
- Smritikumar Sarkar, *Technology and Rural Change in Eastern India 1830–1980* (New Delhi: Oxford University Press, 2014)
- Suvobrata Sarkar, *Let There Be Light: Engineering, Entrepreneurship and Electricity in Colonial Bengal, 1880-1945* (New Delhi: Cambridge University Press, 2020)
- Antina von Schnitzler, *Democracy's Infrastructure: Techno-Politics and Protest After Apartheid* (Princeton University Press, 2016).

- Margot Lee Shetterly, *Hidden Figures: The Untold Story of the African-American Women Who Won the Space Race* (London: Harper Collins, 2017)
- Bruce Sinclair, ed. *Technology and the African-American Experience: Needs and Opportunities for Study* (Cambridge, MA: MIT Press, 2004)
- Jagdish N. Sinha, *Science, War and Imperialism: India in the Second World War* (Leiden: Brill, 2008)
- Amy Slaton, *Race, Rigor, and Selectivity in U.S. Engineering: The History of an Occupational Color Line* (Cambridge, MA: Harvard University Press, 2010)
- Patricia Carter Sluby, *The Inventive Spirit of African Americans: Patented Ingenuity* (Westport, CT: Praeger, 2004)
- Gretchen Sullivan Sorin, *Driving While Black : African American Travel and the Road to Civil Rights*. (New York, NY: Liveright Publishing Corporation, a division of W.W. Norton & Company, 2020).
- Dorceta E. Taylor, *Toxic Communities: Environmental Racism, Industrial Pollution, and Residential Mobility* (New York: New York University Press, 2014)
- John Michael Vlach, *Back of the Big House: The Architecture of Plantation Slavery* (Chapel Hill: University of North Carolina Press, 1993)
- Nira Wickramasinghe, *Metallic Modern: Everyday Machines in Colonial Sri Lanka*(New York, NY: Berghahn Books, 2014)

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