

# **TECHNOLOGY AND CULTURE**

## **CONTENIDO**

### **VOLUMEN 51 No. 1, JANUARY 2010**

#### **ESSAY**

- 1      The Power of Nuclear Things.  
*Gabrielle Hecht.*

#### **ARTICLES**

- 31     Discovering Steam Power in China, 1840-1860s.  
*Hsien-Chun Wang.*
- 55     A Road to Modernization and Unification: The Construction of the Gyeongbu Highway in South Korea.  
*Chihyung Jeon.*
- 80     Technoscientific Synergies between Germany and Spain in the Twentieth Century: Continuity amid Radical Change.  
*Albert Presas I. Puig.*
- 99     War and Peacetime Research on the Road to Crystal Frequency Control.  
*Shaul Katzir.*
- 126    Building Bridges and Boundaries: The Lattice and the Tube, 1820-1860.  
*Gregory K. Dreicer.*

#### **ORGANIZATIONAL NOTES**

- 164    Awards.
- 181    The Pittsburgh Meeting, 15–18 October 2009.

#### **CLASSICS REVISITED**

- 199    Looking Back in Order to Move Forward: John McDermott, “Technology: The Opiate of the Intellectuals”.  
*Ruth Schwartz Cowan.*

#### **ESSAY REVIEWS**

- 216    The Rise of Agribusiness and the Demise of the New Deal Order: Shane Hamilton, *Trucking Country; The Road to America's Wal-Mart Economy.*

*Jordan Kleiman.*

- 220 The State of Space History: Steven J. Dick and Roger D. Launius, eds., *Societal Impact of Spaceflight*.  
*Alex Roland.*
- 223 Megalopolis: An Enduring Enigma.  
*Rutherford H. Platt.*
- 227 “All That Is Solid Melts into Air”: Frank Donoghue, *The Last Professors: The Corporate University and the Fate of the Humanities*.  
*D. R. Koukal.*
- 232 Manufacturing Mass Consumption in the GDR: Eli Rubin, *Synthetic Socialism*.  
*Andrea Westermann.*

## BOOK REVIEWS

- 235 David Day, *Conquest: How Societies Overwhelm Others*.  
*John H. Morrow Jr.*
- 237 William Kelleher Storey, *Guns, Race, and Power in colonial South Africa*.  
*Clapperton Mavhunga.*
- 239 R. J. A. Talbert and R. W. Unger, eds., *Cartography in Antiquity and the Middle ages: Fresh Perspectives, New Methods*.  
*Victoria Morse.*
- 240 Thierry Martin and Michèle Virol, eds., *Vauban architecte de la modernité?*  
*Janis Langins.*
- 243 Fabien Locher, *Le savant et la tempête: Étudier l’atmosphère et prévoir le temps au XIXe siècle*.  
*Charles C. Gillispie.*
- 244 Hrefna Róbertsdóttir, *Wool and Society: Manufacturing Policy, Economic Thought, and Local Production in 18th-Century Iceland*.  
*Marianne Rostgaard.*
- 246 Chris Otter., *The Victorian Eye: A Political History of Light and Vision in Britain, 1800-1910*.  
*Sophie Forgan.*
- 248 David Rooney, *Ruth Belville: The Greenwich Time Lady*.  
*Carlene E. Stephens.*
- 249 Roger Hutchins, *British University Observatories, 1772-1939*.  
*Steven J. Dick.*

- 251 Lee T. Wyatt III, *The Industrial Revolution.*  
*Edmund N. Todd.*
- 252 Carol Siri Johnson, *The Language of Work: Technical Communication at Lukens Steel, 1810 to 1925.*  
*Matthew N. Eisler.*
- 254 Frank Uekoetter, *The Age of Smoke: Environmental Policy in Germany and the United States, 1880-1970.*  
*David Stradling.*
- 256 Vaclav Smil, *Oil: A Beginner's Guide.*  
*Jason P. Theriot.*
- 257 Thomas G. Andrews, *Killing for Coal: America's Deadliest Labor War.*  
*John Barnhill.*
- 259 Colin Bowden, *The End of a Revolution: The Last Days of Stationary Steam.*  
*John Bowditch.*
- 260 Ian Carter, *British Railway Enthusiasm.*  
*Martin Cooper.*
- 262 H. Roger Grant, *Visionary Railroader: Jervis Langdon Jr. and the Transportation Revolution.*  
*Thomas Cornillie.*
- 263 Cotten Seiler, *Republic of Drivers: A Cultural History of Automobility in America.*  
*Christopher Wells.*
- 265 Georgine Clarsen, *Eat My Dust: Early Women Motorists.*  
*Deborah Clarke.*
- 267 Patrick Huber, *Linthead Stomp: The Creation of Country Music in the Piedmont South.*  
*Shane Hamilton.*
- 268 Cheryl R. Ganz, *The 1933 Chicago World's Fair: A Century of Progress.*  
*Anders Houltz.*
- 270 Scott A. Lukas, *Theme Park.*  
*Janet R. Daly Bednarek.*
- 272 Dan Hagedorn, *Conquistadors of the Sky: A History of Aviation in Latin America.*  
*James J. Hoogerwerf.*

- 273 Robert Poole, *Earthrise: How Man First Saw the Earth*.  
*Fred Turner.*
- 275 Walter Benjamin, ed. Michael W. Jennings et al., trans Edmund Jephcott et al., *The Work of Art in the Age Its Technological Reproducability, and Other Writings on Media*.  
*Frances Robertson.*
- 277 Charlie Gere, *Digital Culture*.  
*Timothy Dugdale.*
- 279 Lillian Hoddeson, Adrienne W. Kolb, and Catherine Westfall, *Fermilab: Physics, the Frontier, and Megascience*.  
*Cyrus C. M. Mody.*
- 281 Joanna S. Ploeger, *The Boundaries of the New Frontier: Rhetoric and Communication at Fermi National Accelerator Laboratory*.  
*Catherine Westfall.*
- 282 Daniel Cordle, *States of Suspense: The Nuclear Age, Postmodernism, and United States Fiction and Prose*.  
*Abby J. Kinchy.*
- 284 Trevor Pinch and Richard Swedberg, eds, *Living in a Material World: Economic Sociology Meets Science and Technology Studies*.  
*Marcia-Anne Dobres.*
- 286 Trevor Turpin, *Dam*.  
*Donald C. Jackson.*
- 287 Eric R. Scerri, *The Periodic Table: Its Story and Its Significance*.  
*David V. Black.*
- MEMORIAL**
- 290 W. David Lewis, 1931-2007,  
*Merritt Roe Smith.*