Curriculum Vitae

STUART W. LESLIE

Education

Ph.D. 1980. University of Delaware - history
M.A. 1976. University of Delaware - history
B.A. 1974. Carleton College - history

Honors
Phi Beta Kappa; B.A. magna cum laude
Hagley Fellowship

Academic Appointments

Professor, History of Science Department,
The Johns Hopkins University, 1993-

Associate Professor, History of Science
Department, The Johns Hopkins University,
1988-1993

Assistant Professor, History of Science Department,
The Johns Hopkins University, 1984-1988

Mellon Scholar in History of Science, The Johns Hopkins
University, 1981-84

Assistant Professor, Rochester Institute of
Technology, 1980-81

Department Co-Chair 1993-96, 1999-2002

Homewood Academic Council 2003-2009, 2017-2020

Professional Societies

Society for the History of Technology
Secretary, Society for the History of Technology (SHOT) 2000-2004
Executive Council, SHOT, 1993-96, 2016-2019
Program Chairman, SHOT, 1982
History of Science Society
Dexter Prize Committee Chairman, History of Science Society, 1989
ISIS, Advisory Editor
Price/Webster Prize Committee Chairman, 2008

Society of Architectural Historians
Trustee D.W. Kim Foundation, 2009-present

Honors

Allan Nevins Prize, Economic History Association
Abbott Payson Usher Prize, SHOT
Thomas Newcomen Award, Business History Society
IEEE Life Member's Prize, IEEE/SHOT
Derek Price/Rod Webster Prize, History of Science Society
George Owen Distinguished Teaching Award (twice)
President's Cup Distinguished Teaching Award
Charles Lindbergh Chair, National Air and Space Museum
President, Phi Beta Kappa, Alpha Chapter, The Johns Hopkins University

Publications

Books

The Architects of Modern Science (Pittsburgh: University of Pittsburgh Press, 2022), in progress

The Cold War and American Science: The Military-Industrial-Academic Complex at MIT and Stanford (New York: Columbia University Press, 1993)

Paperback edition, March 1994, still in print

Japanese translation, 2020

Boss Kettering: Wizard of General Motors (New York: Columbia University Press, 1983)

Paperback edition, 1986

Articles

"'Architecture out of the Laboratory': The Radomes in the Global Cold War" under review by *Fabrications: Journal of Society of Architectural Historians*

"Architectural Prescriptions: Johns Hopkins Medicine and the Shift from the Pre-Modern to the Modern Hospital" in Mohammad Gharipour (ed.) *Health and Architecture: Designing Spaces for Healing and Caring in the Pre-Modern Era* (Bloomsbury Press, 2021)

"California Dreamin'" *Physics Today* 74, 2 (February 2021), 2-9.

"Cold War Suburbs: Thinking the Unthinkable in Style" *Southern California Quarterly* 102, 1 (2020), 24-56.

"Richard Macksey and the Humanities Center" *MLN* 134 (2020), 925-941.

"Show of Force: US Traveling Exhibits on Atomic Energy and Space Exploration" (with Emily Margolis) in Margaret Re (ed.) *A Designed Life: Contemporary American Textiles, Wallpapers, and Containers, 1951-1954* (Center for Art, Design and Visual Culture, 2019), 67-82.

"Expo '58: Nucleus for a New Europe" (with Joris Mercelis) in Arthur Molella and Scott Knowles (eds.) *World's Fairs in the Era of the Cold War* (University of Pittsburgh Press, 2019), 11-26.

"The Beach Boys: Cold War Science with a California Vibe" in Sandra O'Grady Kaji (ed.) *Laboratory Lifestyles: The Construction of Scientific Fictions* (MIT Press, 2019), 131-177.

"'Suburban Warriors': The Blue-Collar and Blue-Sky Communities of Southern California's Aerospace Industry" (with Layne Karafantis) *Journal of Planning History* 18,1 (February 2019), 3-26.

"Homi Bhabha: Master Builder of Nuclear India" (with Indira Chowdhury) *Physics Today* 71 (Sept. 2018): 48-55.

"A Machine for Healing: Architectural Prescriptions for Modern Healthcare" in Oliver Sukrow (ed.) *Zwischen Sputnik und Olkrise: Kybernetik in Architecktur, Planung und Design* (Berlin, DOM, 2018), 22-47.

"Griffith Observatory: Hollywood's Celestial Theater" (with Emily Margolis), *Early Popular Visual Culture*, 15, 2 (2017), 227-246.

'The Romance of Water and Power': Architecture as Advertising" *Southern California Quarterly* 99, 3 (Fall 2017), 290-328.

"Southern California Aerospace Modernism" in *Docomomo US* http://docomomous.org/news/southern-california-s-aerospacemodernism?mc_cid=dd8aef5ea0&mc_eid=bf1bb35047

"Ieoh Ming Pei: Mesa Laboratory, National Center for Atmospheric Research" Liver Elser, Philip Kurz, and Peter Schmal (eds.) *SOS Brutalism: A Global Survey* (Park Books, 2017), 121-122.

"Atomic Structures: The Architecture of Nuclear Nationalism in India and Pakistan" *History and Technology* 31:1 (Jan. 2016): 1-23.

"Pakistan's Nuclear Taj Mahal" *Physics Today* (Feb. 2015): 40-46.

"Secret Spaces: Southern California's Aerospace 'Think Factories" in Mathew Aitchison (ed.) *The Architecture of Industry: Changing Paradigms in Industrial Building and Planning* (Ashgate, 2014): 59-85.

"Aerospaces: Southern California's Architecture in a Cold War World" *History and Technology* 29:4 (December 2013): 331-368.

"Skylab" (with Layne Karafantis), in Michael J. Neufeld, (ed.), *Milestones of Space: Eleven Iconic Objects from the Smithsonian National Air and Space Museum* (Minneapolis, MN: Zenith Press, 2014): 92-107.

"Spaces of the Space Age" *Smithsonian Air and Space* (September 2013): 56-61.

"Spaces for the Space Age: William Pereira's Aerospace Modernism" in Peter Westwick (ed.) *Blue-Sky Metropolis: Aerospace and Southern California* (University of California Press, 2012):127-158.

"The Strategy of Structure: Architectural and Managerial Style at Alcoa and Owens-Corning", *Enterprise and Society* 12, 4 (December 2011): 863-902.

"Time of Troubles for the Special Laboratories", in David Kaiser (ed.) *MIT: Moments of Decision* (MIT Press, 2010):123-144.

"Laboratory Architecture: Planning for an Uncertain Future" *Physics Today* 63 (April 2010): 40-45.

"A Different Kind of Beauty: Scientific and Architectural Style in I.M. Pei's Mesa Laboratory and Louis Kahn's Salk Institute" *Historical Studies in the Natural Sciences* 38:1 (Spring 2008) 173-221.

"Toledo's Perfect Glass Box" *Timeline* 25 (April-June 2008) 32-47.

"Lynwood Bryant, 1908-2005" *Technology and Culture* 48, 1, (January 2007):. 236-244.

"Engineering the Cold War" *Historia Scientiarum* 16 (July 2006) 35-40.

"Exporting MIT: Science, Technology and Nation Building in India and MIT" (with Robert Kargon) *Osiris* 21(2006) 110-130.

"What History Can Teach Us About Technology and Society" *Nexus*, 2,2 (Spring 2002) 6-12.

"Blue Collar Science: Bringing the Transistor to Life in the Lehigh Valley" *Historical Studies in the Physical and Biological Sciences* 32:1 2001, pp. 71-115.

"Regional Disadvantage: Replicating Silicon Valley in New York's Capital Region"

Technology and Culture 42:2 (April 2001) 236-264.

"Industrial Versailles: Eero Saarinen's Corporate Campuses for GM, IBM, and AT&T" (with Scott Knowles) *Isis* 92:1 (March 2001) 1-33.

"The Biggest Angel of Them All: The Military and the Making of Silicon Valley" in Martin Kenney (ed.) *Understanding Silicon Valley: The Anatomy of an Entrepreneurial Region* (Stanford University Press, 2000) 43-71.

"General Motors" in Marc Rothenberg (ed.) *The History of Science in the United States: An Encyclopedia* (NY: Garland Publishing, 2000) 224-224.

"Reestablishing a Conversation in STS: Who's Talking? Who's Listening? Who Cares?" *Bulletin of Science, Technology and Society*, 19 (August 1999), 271-280.

"Winning Markets or Winning Nobel Prizes? KAIST and the Challenges of Late Industrialization" (with Kim Dong-Won) *Osiris* 13 (1999) pp. 219-250.

"The Obsolescent University? Reconfiguring Higher Education for Regional Advantage" (with Robert Kargon) in Karen R. Merrill (ed.) *The Modern Worlds of Business and Industry* (Brepols, 1998) 121-140.

"Translating American Models of the Technical University to India and South Korea" (with Robert Kargon) in Martine Barrere (ed.) *Les Sciences Hors D Occident Au Xxe Siecle*, Volume 5 (Paris 1996) 153-166.

"Selling Silicon Valley: Frederick Terman's Model for Regional Advantage", (with Robert Kargon), *Business History Review*, Volume 70 (Winter 1996) 435-472.

"Science and Politics in Cold War America" in Margaret Jacob (ed.) *The Politics of Western Science, 1640-1990* (New Jersey: Humanities Press, 1994) 199-233.

"Imagined Geographies: Princeton, Stanford, and the Spatial Dimensions of Knowledge in Postwar America," (with Robert Kargon), *Minerva*, XXXII, 2 (Summer 1994) 121-143.

"Electronics and the Geography of Innovation in Postwar America," (with Robert Kargon), *History and Technology*, 11 (1994), 217-231. "The Costs of McCarthyism" Contention 4 (Fall 1994), 67-76.

"Weaning Universities from the Pentagon," *The Chronicle of Higher Education*, Dec. 1, 1993) B-1 ff.

"How the West Was Won: The Military in the Making of Silicon Valley," in William Aspray (ed.) *Technological Competitiveness in the Electrical and Electronics Industries: Historical and Contemporary Perspectives* (New York: IEEE Press, 1993) 75-89.

"Far Beyond Big Science: Science Regions and the Organization of Research and Development," (with E. Schoenberger and R. Kargon), P. Galison and B. Hevly (eds.) *Big Science: The Growth of Large Scale Research* (Stanford University Press, 1992).

"The Bug: Boss Kettering's Cruise Missile", *Timeline*, (Aug.-Sept. 1991) pp. 42-51.

"Samuel Wesley Stratton," *Dictionary of Scientific Biography*, Supplement II, v. 18, (New York: Scribners, 1990) 887-88.

"Lyman James Briggs" *Dictionary of Scientific Biography*, Supplement II, v. 17, (New York: Scribners, 1990) 102-04.

"From Backwater to Powerhouse" *The Stanford Magazine* (March, 1990), 55-60.

"Charles Franklin Kettering," in George S. May (ed.) *The Automobile Industry to 1920* (New York, 1990), 243-260.

"Profit and Loss: The Military and MIT in the Postwar Era," *Historical Studies in the Physical Sciences*, 21:1 (1990), 59-85.

"Andrew Carnegie," in Paul Paskoff (ed.) *Iron and Steel in the Nineteenth Century* (New York, 1989), 47-71.

"Communities of Nineteenth Century Science and Technology," *Reviews in American History* (June 1989), 232-37.

"Playing the Education Game to Win: The Military and Interdisciplinary Research at Stanford," *Historical Studies in the Physical Sciences*. 18:1 (1987), 55-88.

"Technological Literacy: Faulty New Maps of an Old Chasm," *Baltimore Sun*, March 1, 1986, 4L.

"From Lab to Soap Box," *Technology Review* (May/June 1988), 66-70.

"Rewriting Baltimore's Past: The Uses and Abuses of History," *Baltimore Sun*, July 14, 1985, p. C1+.

"Steeple Building at Stanford: Electrical Engineering, Physics, and Microwave Research," (with Bruce Hevly), *Proceedings of the IEEE*, 73, 7 (1985) 1169-1180.

"Politics and Electrical Technology: Who Prevails?" *Urban Resources*, 3, 1 (1985) 55+.

Boss Kettering's Scientific Foxhunt," *Timeline* (December, 1984), 11-19.

"The 'Lost Exhilaration' of American Technology," in David Houshell, ed., *The History of American Technology: Exhilaration or Discontent?* Occasional Papers from the Hagley Museum and Library, 1984).

"When Research Was Young," *Research Management*, (September, 1982).

"The Urban Habitat: The City and Beyond," *Technology and Culture*, (July, 1982), 417-429.

"Thomas Midgley and the Politics of Industrial Research," *Business History Review*, (Winter, 1980), 480-502.

"Charles F. Kettering and the Copper-cooled Engine," *Technology and Culture* (October, 1979), 752-776.