



SOCIETY FOR INDUSTRIAL ARCHEOLOGY

NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 27, No. 4

Winter 1998

COMPILED BY

Mary Habstritt, New York, NY; and Patrick Harshbarger, SIAN editor.

GENERAL STUDIES

- ▶ Frank Beberdick and the Historic Pullman Foundation. **Images of America: Chicago's Historic Pullman District.** Arcadia (2 Cumberland St., Charleston, SC 29401; 1-888-313-BOOK), 1998. 127 pp., photos. Photos from the foundation's archives chronicle the development of George Pullman's model factory and town.
- ▶ John Harris. **Industrial Espionage and Technology Transfer: Britain and France in the Eighteenth Century.** Ashgate (1-800-535-9544), 1998. 678 pp., illus. \$110.95. Rivalry between the two nations and the methods used by France to obtain skilled manpower and technology which had given Britain the edge, particularly in the new coal-based technologies.
- ▶ Donald R. Hill. **Studies in Medieval Islamic Technology .** Ashgate (1-800-535-9544), 1998. 400 pp. \$107.95. Includes sections on mechanics, mining, hydraulic machines, and military technology among others.
- ▶ Ian Inkster. **Technology and Industrialization: Historical Case Studies and International Perspectives.** Ashgate (1-800-535-9544), 1998. 336 pp. \$89.95. Essays embrace case studies of Britain, Japan, Europe, China, India, and Australia from ca. 1700 to present. A political economy approach to industrial and technological history.
- ▶ **Landmarks in Mechanical Engineering.** ASME (West Lafayette, IN), 1996. 364 pp., illus. \$19.95. Lists 135 sites associated with significant accomplishments in mechanical engineering. Rev: Rev: *T&C* (Oct. 1998), p. 770.
- ▶ David C. Mowery and Nathan Rosenberg. **Paths of Innovation: Technological Change in 20th-Century America.** Cambridge Univ. Pr., 1998. 216 pp., \$27.95. The internal combustion engine, electricity, and chemistry as areas of innovation that have dominated the century.
- ▶ Darwin Stapleton. **Introducing ... Clean Water .** *I&T* (Winter 1999), pp. 24-35. The career and legacy of engineer Benjamin H. Latrobe with focus on plans to bring fresh water to American cities in the early 19th century.
- ▶ Jeffrey K. Stine and Joel A. Tarr. **At the Intersection of Histories: Technology and the Environment.** *T&C* 39,4 (Oct. 1998), pp. 601-640. Review essay. Overlap of environment and technology become a more central concern of scholarship.

RAILROADS

- ▶ **Cagney's Locomotive Works, Suppliers of Complete Miniature Railroads.** Fidalgo Reprints (1617 32nd St., Anacortes, WA 98221-3382), 1998. 48 pp. \$14.50 ppd. Reprint of Cagney's 1901 catalogue, the most famous name in small, passenger carrying steam railroads. Includes 16 pages of history and information on preserved locomotives. Also reproduced is a very rare Cagney brochure from the Pan-American Exposition, Buffalo, NY, 1901.
- ▶ Michael Chrimes, ed. **The Civil Engineering of Canals and Railroads before 1850.** *Studies in the History of Civil Engineering* 7. Ashgate, 1998. 416 pp., illus., £85. Avail: 1-800-535-9544. How canals and railways were built, and how engineers organized the works. Case studies from Europe and North America.
- ▶ Pamela A. Connors. **The Sugar Pine Railway: History of Sierran Logging Railroad.** USDA Forest Service, Stanislaus National Forest, 1997. 430 pp., photos. Densely detailed story of railroad and logging operations in California's central Sierra Mountains from 1903 to 1964. Rev: *PH* (Fall 1998), p. 89.
- ▶ Herbert H. Harwood, Jr. **Two Ancient Rail Beds Reappear in Baltimore.** *RH* 179 (Autumn 1998), pp. 135-148. Mid 1830s sections of unearthed rail bed. The Baltimore & Port Deposit and the Baltimore & Susquehanna railroads.
- ▶ Bill Keirce. **Pullmans, Stations, Steam: The Railroad as an Aesthetic Object.** *RH* 179 (Autumn 1998), pp. 7-30. Attempts to answer question of "Why are so many people fascinated by railroad technology?" by looking at the railroad as a source of aesthetic experience.
- ▶ J. I. Lillie. **The Enemy, Oxidation.** Chemical processes that lead to failure of the boiler tubes and firebox in a steam locomotive. **New Boiler Tubes.** Replacement of tubes in Pere Marquette locomotive 1225 and how choices were made to vary from PM's method of tube installation to ensure stability and long life. *Project 1225* 89 (Nov. 1995) Avail: The Michigan State Trust for Railway Preservation, Inc., P.O. Box 665, Owosso MI 48867-06665.
- ▶ Robert Lochte. **Reducing the Risk: Woods, Phelps, Edison, and the Railway Telegraph.** *Timeline* 16,1 (Jan./Feb. 1999), pp. 42-54. Inventors scrambled to perfect a system that would prevent collisions, but the railroads were unimpressed.

- Mark McGarvie. **A Comparative Case Study of Immigrant Contract Labor on the Milwaukee Road.** *RH* 179 (Autumn 1998), pp. 69-87. Railroad turns to imported labor to build and repair line from 1908 to 1931 and during World War II. Impact of social prejudice and government regulation on business practices and the welfare of employees.
- Martin J. McGuirk. **New Haven Railroad Along the Shore Line: The Thoroughfare from New York City to Boston.** Kalmbach Pub. (1-800-558-1544), 1998. 128 pp., photos. \$18.95.
- George W. Pettengill, Jr. **The Story of Florida Railroads.** Avail: Southeast Chapter, R&LHS, Box 664, Jacksonville, FL 32201. \$16.95 ppd. Reprint of 1952-53 articles from out-of-print R&LHS *Bulletin* #86 and #88 covers the early history of Florida's railroads from 1834 to 1903.
- David A. Pfeiffer. **Researching Railroad Records at the National Archives.** *R&LHS Newsletter* (Spring 1998), pp. 5-6. Practical guide to finding most popular railroad records at the National Archives in Washington.
- Sophia Schweitzer. **Hawaii's Expensive Railroad.** *VR* (Nov./Dec. 1998), pp. 66-71. Hilo RR (1899-1946) served sugar company.
- Westinghouse Air Brake Co. **Instruction Leaflet No. 2388, January, 1947: Feed Valve Code of Tests and Repair Instructions.** ARM Reprint Books (33 Ashland St., Manchester NH 03104), 1995. A second reprint of the leaflet provides a diagrammatic view of the piping arrangement for testing type B, C, and M feed valves and the code of tests for these valves used in air brakes on streetcars, interurbans, and steam and diesel locomotives.
- Jeff Wilson. **Burlington Route Across the Heartland: Everywhere West from Chicago.** Kalmbach Pub. (1-800-558-1544), 1998. 128 pp., photos. \$18.95.
- Ted Wurm. **Mallets on the Mendocino Coast: Caspar Lumber Co.'s Railroads & Steamships.** Timber Times (Box 219, Hillsboro, OR 97123; 1-800-821-8652), 1999. 136 pp., photos, \$34.95. Lumber company (1861-1955) in northern California operated its own railroad and fleet of coastal schooners.
- illus., bibliog., index. \$32 ppd. Based on archival material and personal interviews, presents a portrait of the lighthouse keeper in America from the first official lighthouse established in 1716 to the early 1980s when automation replaced the last "guardian of the light."
- John B. Hattendorf, ed. **Maritime History. Vol. 1: The Age of Discovery. 348 pp. \$29.50. Vol. 2: The Eighteenth Century and the Classic Age of Sail.** Krieger Pub. Co. (P.O. Box 9542, Melbourne, FL 32902-9542; phone: (407)727-7270), 1996. Illus., maps. Introductory text for undergraduate students, this is a series of essays developed from an NEH Summer Institute in early Modern Maritime History at the John Carter Brown Library.
- **Historic Lighthouses Preservation Handbook.** National Park Service (Washington, DC), 1997. 328 pp., illus. Prepared jointly by the NPS, U.S. Coast Guard, and the Dept. of Defense Legacy Resource Mgt. Program. Custom-made for lighthouse property managers, focuses on preserving varied material and construction types. Avail: U.S. Govt. Printing Office, (202) 512-1800, stock no. 024-05-01181-1, and on-line at www.cr.nps.gov/history/maritime/handbook.htm. Rev: *NCPTT Notes* (Aug. 1998), p. 9.
- Adrian Jarvis, ed. **Port and Harbour Engineering.** *Studies in the History of Civil Engineering* 6. Ashgate, 1998. 450 pp., illus., £85. Avail: 1-800-535-9544. British ports and harbours in the 19th century.
- Rory Robinson and Robert Bobel. **Historic Preservation Through Canal Trail Development.** *CRM* 19 (No. 4 1996), pp. 11-14. Trail development along former canal towpaths as a way to restore the historic appearance of canals and identification and preservation of artifacts and structures. Reviews issues, such as sensitive signage and historically accurate trail surfaces. Cites successful examples.
- R. Sheret. **Smoke Ash and Steam.** Fidalgo Reprints (1617 32nd St., Anacortes, WA 98221-3382), 1996. 108 pp., photos. \$22 ppd. Photos of West Coast steamboats, propeller and paddle wheel with photos, drawings, and engineering explanations of their engines, boilers, and auxiliaries.
- Donald G. Shomette. **The Ghost Fleet of Mallows Bay.** *I&T* (Winter 1999), pp. 12-23. The remains of ill-fated World War I wooden-ship-building program found in a remote Maryland backwater.

WATER TRANSPORTATION

- Timothy R. Brookes. **The Pall of Egyptian Gloom: The Sinking of the *Scioto*.** *Timeline* 15/4 (July-Aug. 1998), pp. 18-25. 1882 sinking of side-wheel steamer in the Ohio R.
- Diane Cole. **Big Wheel, Keep on Churnin'.** *Preservation* (Nov./Dec. 1998), pp. 82-86. Steamboating on the Mississippi today. Frederick Law Olmsted's book, *The Cotton Kingdom* (1861) used as a guide.
- James Conaway. **Zoning Out.** *Preservation* (Nov./Dec. 1998), pp. 38-47. A year before the Panama Canal passes into Panamanian hands, the structures that established a vast outpost of U.S. Culture face an uncertain future.
- Elinor De Wire. **Guardians of the Lights: The Men and Women of the U.S. Lighthouse Service.** (Avail.: Elinor De Wire, P.O. Box 654, Gales Ferry CT 060335-0654). 317 pp.,

AUTOMOBILES & HIGHWAYS

- Donald T. Critchlow. **Studebaker: The Life and Death of an American Corporation.** Indiana Univ. Pr., 1996. 273 pp. \$39.95. Famous South Bend car maker. Rev: *T&C* (Oct. 1998), p. 786.
- Paul Erker. **Competition and Growth: A Contemporary History of the Continental AG.** ECON Verlag (Dusseldorf), 1996. 320 pp., illus. History of fourth largest rubber company and tire manufacturer. Rev: *T&C* (Oct. 1998), p. 788.
- Michael Lamm. **The Earl of Detroit.** *I&T* (Fall 1998), pp. 10-21. Harley Earl, GM's first car stylist, had a significant influence on automobile design.

- ▶ Bob McCullough, Carol Ahlgren, Rick Greenwood. **Saving Historic Roads: 3 Case Studies.** Historic road preservation efforts in Vermont, Nebraska, and Rhode Island; Diane Kane. **Conference on Historic Roads Tackles Preservation Strategies.** National Trust, NPS, and Caltrans co-sponsored meeting in Mar. 1998. *SCA Journal* (Spring 1998), pp. 14-19.
- ▶ Haruhito Shiomi and Kazuo Wada. **Fordism Transformed: The Development of Production Methods in the Automobile Industry.** Oxford Univ. Pr., 1995. 320 pp., \$65. Charts the evolution of automobile manufacturing in 12 essays that explore the application and modification of Ford production techniques in many parts of the world. Rev: *T&C* (July 1998), p. 550.

OTHER TRANSPORTATION

- ▶ American Transit Assn. and Transit Research Corp. **The Maintenance Practice Manual for PCC Cars.** ARM Reprint Books (33 Ashland St., Manchester NH 03104), 1996. Illus. \$55. Reprint of the maintenance manual first published in 1948 and updated through 1957. Full size fold-out drawings, but without covers for insertion in a 3-ring binder. Traction motors and motor-generator sets, wheel and axle assemblies, air and electric brakes, and repair and testing of trolley poles.
- ▶ John Armstrong, ed. **Studies in Transport History Series.** Scholar Pr. (Aldershot, UK), 1996. Six vol. set reprints important articles from the *Journal of Transport History (UK)*. Titles are *Air Transport*; *Canals and Inland Navigation*; *Coastal and Short Sea Shipping*; *Railways (2 vols.)*; *Road Transport in the Horse-Drawn Era*. Rev: *T&C* (July 1998), p. 549.
- ▶ Marc Dierikx. **Fokker: A Transatlantic Biography.** Smithsonian Pr., 1997. 250 pp., illus. \$35. Anthony Fokker, legendary aircraft designer and manufacturer.
- ▶ Steve Harrison. **Another First for the Wright Brothers.** CRM 18 (No. 10 1995), pp. 46-7. Summary of analyses of a crankcase fragment held at Wright Brothers National Memorial museum which proved that it was the crankcase from the first flight in 1903 and also that the Wrights were the first aviators to use precipitation-hardened aluminum-copper alloy.
- ▶ Peter Jakab. **Visions of a Flying Machine: The Wright Brothers and the Process of Invention.** Smithsonian Inst. Pr. (1-800-782-4612), 1997. 272 pp., illus., \$15.95. Research on how the brothers visualized concrete solutions to difficult technical problems that had baffled the best-trained scientists and engineers for over a century.
- ▶ Robert C. Post. **Images of the Pacific Electric: Why Memories Matter.** RH 179 (Autumn 1998), pp. 31-68. Enthusiastic memories of southern California's streetcars influence today's technological choices and the resurgence of urban electric rails.
- ▶ Jennifer Reese. **Streetcar Suburbs.** *Preservation* (Jan./Feb. 1999), pp. 52-57. San Francisco suburb of Sunset where the houses were literally made of trolley cars.
- ▶ Walter Rice and Val Lupiz. **1947: The Year San Francisco Nearly Lost Its Powell Street Cable Cars.** VR (Sept./Oct.

1998), pp. 82-88. The political fight and protest that led to the street cars' preservation. Includes description of cable car operations.

AGRICULTURE & FOOD PROCESSING

- ▶ J. B. Gough. **Winecraft and Chemistry in 18th-Century France: Chaptal and the Invention of Chaptalization.** *T&C* (Jan. 1998), pp. 74-104. The diverse origins of adding sugar to fermenting, underripe grapes.
- ▶ Peter D. McClelland. **Sowing Modernity: America's First Agricultural Revolution.** Cornell Univ. Pr., 1997. Examination of changing American farming technology and practices from 1815 to 1830. Plowing, sowing, harrowing, cultivating, reaping, threshing, winnowing and straw cutting. Rev: *ALHFAM Bulletin* (Fall 1998), p. 9.

BRIDGES & TUNNELS

- ▶ Marion K. Pinsdorf. **Engineering Dreams into Disaster: History of the Tay Bridge.** RH 179 (Autumn 1998), pp. 89-116. Analysis of mistakes and milieu that led to famous Scottish bridge disaster in 1879.
- ▶ Frederic D. Schwarz. **Don't Lower the River, Raise the Bridge.** *I&T* (Fall 1998), pp. 8-9. Efforts to save the 1868 Zoarville bridge, America's only surviving Fink through-truss bridge.
- ▶ Linda Perelli Wright and Rachel Fertik, et. al. **Route 15 Bridge over the Housatonic River (CT).** *SIA New England Chapters Newsletter* 18,2 (1998), pp. 10-14. 1940 bridge connecting Merritt and the Wilbur Cross parkways.

BUILDINGS & STRUCTURES

- ▶ **Documenting the Career of Architect Robert Mills.** *Annotation: Newsletter of the National Publications & Records Comm.* v.26,3 (Sept. 1998), pp. 13-14. Widely scattered papers of Mills (1781-1855) made available in a definitive microfilm addition. Architect of many important public buildings including Washington Monument, Treasury, and Patent Office buildings. Between 1820-1830 served on the South Carolina Board of Public Works working on road, river, and canal development.
- ▶ Tawny Ryan Nelb. **Documenting Michigan Architecture Project.** *Annotation: Newsletter of the National Publications & Records Comm.* v.26,3 (Sept. 1998), pp. 15-16. Project to actively seek out and collect documents related to architecture and engineering, including buildings and structures related to Michigan's industries.
- ▶ **Preserving Architectural Collections at the Art Institute of Chicago.** *Annotation: Newsletter of the National Publications & Records Comm.* v.26,3 (Sept. 1998), pp. 7-8. Papers of city planner Edward H. Bennett, Sr. (1874-1954), and of architect David Adler (1882-1949).
- ▶ Janet Wright. **Crown Assets: The Architecture of the Department of Public Works, 1867-1967.** Univ. of Toronto Pr., 1997. 326 pp., photos, drawings. \$35. Development of Canadian public architecture, as built by the federal government. Rev: *PH* (Fall 1998), p. 84.

WATER CONTROL & RECLAMATION

- ▶ Donald C. Jackson, ed. **Dams. Studies in the History of Civil Engineering 4.** Ashgate, 1998. 404 pp., illus., £80. Avail: 1-800-535-9544. Papers selected to examine key technical issues influencing dam construction from ancient times to the early 20th c.
- ▶ Paul C. Pitzer. **Grand Coulee: Harnessing a Dream.** Washington State Univ. Pr. (Pullman WA 99164-5910), 1994. 504 pp., illus., bibliog., index. \$40; \$24.95 pap. The political struggle to build the Grand Coulee Dam and Columbia Basin Project, describing the New Deal era's fascination with planning and social engineering. Actual construction is covered in less detail. Rev.: *Oregon Historical Qtrly.* (Spr. 1996), p. 92.
- ▶ Salvatore Ciriaco, ed. **Land Drainage and Irrigation. Studies in the History of Civil Engineering 3.** Ashgate, 1998. 414 pp., illus., ú85. Avail: 1-800-535-9544. Control over land and water for the purposes of agriculture from ancient times to the present across Asia, Europe and North America.

IRON & STEEL

- ▶ Reed Karaim. **Tempered By Time.** *Preservation* (Jan./Feb. 1999), pp. 46-51. Restoration of first Carnegie Library in Braddock, PA, and how attitudes toward Carnegie have changed in aging steel mill town.
- ▶ Charles M. Keller and Janet Dixon Keller. **Cognition and Tool Use: The Blacksmith at Work.** Cambridge Univ. Pr., 1996. 200 pp., illus. \$49.95. Nonverbal thinking by tool users. Rev: *T&C* (Oct. 1998), p. 759.
- ▶ Roch Samson. **The Forges du Saint-Maurice: Beginnings of the Iron and Steel Industry in Canada, 1730-1883.** Department of Canadian Heritage, Parks Canada, and Ispat Sidbec, Inc., 1998. 458 pp., illus. Recounts the history of Canada's first iron works, located in Quebec. Research from the extensive archeological program undertaken by Parks Canada to develop the Forges du Saint-Maurice National Historic Site, created in 1973.

MINES & MINING

- ▶ W. Julian Parton. **Death of a Great Company: Reflections on the Decline and Fall of the Lehigh Coal and Navigation Company.** Canal History and Technology Pr. (30 Centre Sq., Easton, PA 18042; (610) 559-6617. 123 pp., illus., map, \$15.95. Problems that led to the closing of one of Pennsylvania's oldest anthracite companies in 1954. Author was a company engineer and manager.

POWER GENERATION

- ▶ Christopher J. Castaneda and Clarence M. Smith. **Gas Pipelines and the Emergence of America's Regulatory State: A History of Panhandle Eastern Corporation, 1928-1993.** Cambridge Univ. Pr., 1996. 296 pp., illus. \$44.95. Construction of pipe line from Kansas and Texas to Midwest in 1920s and 1930s. Business strategy and shifting regulatory environment. Rev: *T&C* (Oct. 1998), p. 797.

- ▶ Matthias Heymann. **Signs of Hubris: The Shaping of Wind Technology Styles in Germany, Denmark, and the United States.** *T&C* 39,4 (Oct. 1998), pp. 641-670. Comparative analysis of wind turbine designs.
- ▶ Werner Troesken. **Why Regulate Utilities? The New Institutional Economics and the Chicago Gas Industry, 1849-1924.** Univ. of Mich. Pr., 1996. 132 pp. \$37.50. Impact of water gas process over older coal gas process influences changes in competition and regulation of gas industry. Rev: *T&C* (Oct. 1998), p. 797.

TEXTILES

- ▶ Maureen Fennell, ed. **Textiles: Production, Trade and Demand.** Ashgate (1-800-535-9544), 1998. 352 pp. \$107.95. Examines the role of textiles within the expanding global economy in the Age of European Exploration, ca. 1400-1800.
- ▶ David J. Jeremy. **Artisans, Entrepreneurs and Machines: Essays on the Early Anglo-American Textile Industries, 1770-1840.** Ashgate (1-800-535-9544), 1998. 386 pp., illus. \$99.95. Essays deal with the transfer of early industrial textile technology from Britain to the United States.
- ▶ George Watkins. **The Textile Mill Engine.** Landmark Pub. (Waterloo House, 12 Compton, Ashbourne, Derbyshire DE6 1DA, England), 1998. 224 pp., photos. £19.95. Reprint of 1970-71 two volume set. Insight into the steam power that drove Britain's textile mills.

ABBREVIATIONS:

CRM	= CRM: Cultural Resources Management, Avail: National Park Service, Cultural Resources Box 37127, Washington DC 20013-7127.
I&T	= American Heritage of Invention & Technology
PH	= Public Historian
R&LHS	= Railway & Locomotive Historical Society
RH	= Railroad History
T&C	= Technology & Culture
VR	= Vintage Rails

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We endeavor to make citations as complete as possible, but they are from a variety of sources, and are sometimes incomplete. If a date, publisher, price, or other statistic is missing, it simply means that it was unavailable, and, unfortunately, we do not have the time to track down these missing bits. The SIA, unless otherwise noted, is not a source for any of the cited works. Readers are encouraged to use their library, bookstore, or school for assistance with locating books or articles.



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GENERAL INTEREST

- ▶ Christopher Andreae. **Lines of Country: An Atlas of Railway and Waterway History in Canada.** Stoddart Publishing (1-800-805-1083; e-mail: gdsinc@genpub.com), 1998. 560 photos; 39 full-page color maps; 238 oversize pages; 1,375 lines, companies, agencies, indexed and chronicled. \$75 US, \$95 CDN. Useful reference work with outstanding maps and encyclopedic attention to detail.
- ▶ Dennis Arbogast, Fred A. Klancnik, and David Bodamer. **This Time with Feeling.** *Civil Engineering* 68 (Oct. 1998), pp. 56-9. Redevelopment and reuse projects, including waterfronts in Racine, Kenosha, and Sheboygan, WI. Transformation of a former airforce base into a planned residential community.
- ▶ David Edgerton. **Science, Technology and the British Industrial 'Decline,' 1870-1970.** Cambridge Univ. Pr. (New York), 1996. 88 pp., index. Using previously unknown statistical data, draws new and controversial conclusions about British innovation and technical training since 1870 and provides a guide to the debates about the subject.
- ▶ Stanley Greenberg. **Invisible New York: The Hidden Infrastructure of the City.** Johns Hopkins Univ. Pr., 1998. 90 pp., photos. \$29.95. Collection of 53 b&w photos of dams and disused waterworks, corroded railyard shelters, bridges, and a missile silo.
- ▶ Alvin Johnston. **A Time to Fish and a Time to Dry Nets—Lake of the Woods.** Lakewood Publishing Co. (Box 907, Warroad, MN 56763), 1996. 260 pp. \$16 ppd. paper. A vivid picture of what life was like around Lake of the Woods, inc. chapters on hunting, mink ranching, logging and politics, by a commercial fisherman who worked the lake and was a lobbyist for the Minnesota Fish Producers Assn.
- ▶ **Ohio Valley Historical Archaeology.** Published annually. Avail: Kit Wesler, Wickliffe Mounds Research Center, Box 155, Wickliffe, KY 42087-0155. Vol. 11 - \$18; Vol. 12 - \$17; Vol. 13 - \$18. Shipping - \$1.50 first vol., \$1 each additional. Recent issues include:
 - Vol. 11 (1996): Bonnie L. Gums, *Yellow Ware in Illinois: The Wilhelm's Kiln*, pp. 69-86; Charles D. Hockensmith and Larry D. Meadows, *Historic Millstone Quarrying in Powell County, Kentucky*, pp. 95-104; Charles D. Hockensmith, *The Patton Grindstone Quarry, Powell County, Kentucky*, pp. 105-144; Charles D. Hockensmith, *Archaeological Investigations at the Rudd Lime Kiln, Livingston County, Kentucky*, pp. 115-124.
 - Vol. 12 (1997): Charles D. Hockensmith, *Investigations at an 1834 Section of the Lexington and Ohio Railroad, Frankfort, Kentucky*, pp. 1-15; Jan Marie Hemberger, *The Industrial Archaeology of a Mid-19th Century Oil Field, Venango County, Pennsylvania*, pp. 16-31; Kira E. Kaufmann, *An Industrial Archaeological Survey of the Ice Industry Along the Fox River, Kane County, Illinois*, pp. 32-38; Derek M. Wingfield, Michael D. Richmond and Henry S. McKelway, *Archaeological Remains of a Mid-19th Century Brick Clamp: A First Look at Brick Clamps in Kentucky*, pp. 68-88; Charles D. Hockensmith and M. Jay Stottman, *Investigations at the Maysville Brick Company: An Example of Industrial Archaeology in Kentucky*, pp. 89-111.
 - Vol. 13 (1998): Charles D. Hockensmith, *Ebenezer Stedman's Mills: A 19th Century Paper, Grist, and Lumber Milling Complex near Frankfort, Kentucky*, pp. 80-85.
- ▶ A. W. Skempton, ed. **Civil Engineers and Engineering in Britain, 1600-1830.** Valorium, 1996. 338 pp, illus. \$107.95. Collection of papers by author of over 45 years of study. Includes early professional societies, biographies, river navigation and harbor improvements. Rev: *T&C* (Jan. 1999), p. 149.
- ▶ Ann and Jurgen Wilde and Thomas Weski, eds. **Albert Renger-Patzsch: Photographer of Objectivity.** M.I.T. Press, 1998. Photos. \$60. Renger-Patzsch was a leader in the New Objectivity movement and embraced modern industrialism, taking photographs of trains, machines, quarries and slag heaps. He is credited with being a stylistic model for Bernd and Hilla Becher who "portray the decline and fall of the very industrial order he glorified." Originally published in Germany, this book collects 113 of his b & w photos from the 1920s to 1960s.

RAILROADS

- ▶ Walter A. Appel. **ALCO Official Color Photography.** Morning Sun Books (9 Pleasant La., Scotch Plains, NJ 07076), 1998. 128 pp. \$49.95. Over 200 color photographs taken by the American Locomotive Co. photographer covered diesel locomotive production at Schenectady, NY from the late 1940s to 1969 when the plant ceased production.
- ▶ Ted Benson. **Done Honest & True: Richard Steinheimer's Half Century of Rail Photography.** Pentrex (1-800-950-9333), 1999. 96 pp., photos. \$29.95. 130 b&w photos by famous railroad photographer, selected to show a 50-yr. record of the changing face of American railroading. Dramatic night scenes, snowscapes and steam, evocative portraits of men and machines.

- ▶ Albert Churells. **From Steam to Diesel: Managerial Customs and Organizational Capabilities in the 20th-Century American Locomotive Industry.** Princeton Univ. Pr., 1999. \$45. How GE and GM drove established steam locomotive builders out of business. According to Hank Rentschler [SIA], "this book is a must read for anyone interested in some of the earliest manufacturers of locomotives, and how they failed to make the transition to modern, diesel locomotives. This dissertation is also a classic study of enormous successes of certain industrial production techniques and how later management, in full control of their destiny, made mistake after mistake, and ultimately destroyed what had taken decades to build . . . Churells has an excellent grasp of the technical aspect of locomotive manufacturing, along with related business and financial matters."
- ▶ Ken Frazer. **The Making of a Railroad Signalman.** VR (Mar./Apr. 1999), pp. 50-54. Firsthand account of the initiation into the signalman's job on the Lackawanna RR in the 1940s.
- ▶ H. Roger Grant. **Railroads in the Heartland: Steam and Traction in the Golden Age of Postcards.** Univ. of Iowa Pr. (Iowa City), 1997. 181 pp., illus. \$29.95. Collection of more than 100 postcards organized by category: railroad landscapes, depots, other railroad facilities, people and the iron horse, and electric interurban lines, and printed one per page with a lengthy caption describing the view and putting it in context. The five chapters document railroading in Ohio, Ind., Ill., Mich., Wisc., Minn., Iowa, and northern Missouri from 1905 to 1915.
- ▶ John Gruber. **Pittsburgh Project Views Steam Railroading.** VR (Mar./Apr. 1999), pp. 32-41. Recording by photography Pittsburgh's railroads and industry in the 1950s.
- ▶ Aaron Isaacs, ed. **Twin City Lines-The 1940s.** Minnesota Transportation Museum (3816 Vincent Av. S., Minneapolis MN 55410), 1995. 38 pp., illus. \$10.00 ppd. Heavily illustrated booklet transports the reader back to "the last decade of really first class public transit in the Twin Cities." Uses extensive quotes from people who rode and worked on the cars and includes a glossary of streetcar terms.
- ▶ Ed King. **Up the Creek in a Leaky U-Boat.** VR (Mar./Apr. 1999), pp. 68-77. History and use of GE's U25B diesel locomotive, introduced in 1960.
- ▶ O. Winston Link. **The Fading Giant: Sounds of Steam Railroading.** O. Winston Link Railway Productions (4920 Buckhorn Road S. W., Roanoke, VA 24014). CD recording. \$20. Unavailable for years, sounds of the Norfolk and Western captured on 1950s state-of-the-art recording equipment by the photographer of the last days of steam.
- ▶ Arthur C. McWatt. **"A Greater Victory:" The Brotherhood of Sleeping Car Porters in St. Paul.** *Minnesota History* 55 (Spr. 1997), pp. 202-216. The influence of St. Paul activists in the establishment of the national union and in breaking the stranglehold that the Pullman Co. had over its African-American porters. Good descriptions of what work life was like for the porters. Ample attention to the support provided by wives who continued union organizing and fundraising while the porters were on the road.
- ▶ Michael Malone. **James J. Hill, Empire Builder of the Northwest.** Univ. of Oklahoma Pr. (Norman), 1996. 306 pp., maps, bibliog., index. \$29.95. This treatment is half the length of earlier Hill bios by Joseph Pyle and Albro Martin but benefits from scholarship considered unseemly by the former and unavailable to the latter. Rev.: *Minnesota History* 55 (Fall 1996), pp. 131-2.
- ▶ Anne Matthews. **End of an Error.** *Preservation* (Mar./Apr. 1999), pp. 42-51. The NJ Meadowlands landfill where archeologists are recovering architectural remnants of New York City's legendary Penn Station.
- ▶ Fred Matthews. **The Red Cars Recalled: "I'll Never Forget Those Whistles."** VR (Jan./Feb. 1999), pp. 66-76. Pacific Electric Railway in Los Angeles. History and photos from the late 1940s and 1950s.
- ▶ Robert S. Maxwell. **Whistles in the Piney Woods: Paul Bremond and the Houston, East and West Texas Railway.** University of North Texas Press (Denton, 1-800-826-8911), 1999. 128 pp., photos. \$24.95.
- ▶ William D. Middleton. **At the Heart of the New York Central.** VR (Mar./Apr. 1999), pp. 56-66. Scenes along the Hudson River in the 1940s and 1950s. Also restoration of Grand Central Terminal.
- ▶ John H. White, Jr. **A Rule of Iron, A Box of Gold.** *Timeline* (Nov./Dec. 1998), pp. 32-39. William H. Clement, engineer, and the Little Miami RR in southern Ohio from the 1840s to 1880s. Article inspired by a gold box (recently auctioned by Sotheby's) given to Clement by the officers and employees of the Cincinnati RR Co. in 1881.

WATER TRANSPORTATION

- ▶ Scott F. Anfinson. **The Wreck of the USS Essex.** *Minnesota History* 55 (Fall 1996), pp. 94-103. A 19th-c. sloop of war designed by one of America's foremost architects, Donald McKay. It was later assigned to the Minnesota Naval Militia in Duluth for training and later converted to offices. It was finally sold for scrap and burned at Minnesota Pt. in Lake Superior where the wreck remains.
- ▶ **Material History Review 48** (Autumn 1998) is a theme issue dedicated to **Ships, Seafaring and Small Craft**. Includes: John Summers, "Probably the Most Beautiful Rowboat Afloat:" *The Form and Meaning of the St. Lawrence Skiff*; Hallie Bond, *The "Featherweight and the Backwoods" and the Evolution of the Pack Canoe*; Brad Loewen, *Recent Advances in Ship History and Archaeology, 1450-1650: Hull Design, Regional Typologies and Wood Studies*; David McGee, *The Amsler Integrator and the Burden of Calculation*; Scott M. Stroh III, *Snagboats and "Dead-Heads": Interpreting Maritime History Onboard the W. T. Preston*; *Reflecting and Reliving Watermen's Work*; Nicolas Landry, *Culture matérielle et niveaux de richesse chez les pêcheurs de Plaisance et de île Royale, 1700-1758*. MHR is published twice yearly by the National Museum of Science & Technology, Box 9724, Station T, Ottawa, Ontario K1G 5A3.
- ▶ Edward A. Mueller. **Upper Mississippi River Rafting Steamboats.** Ohio Univ. Pr. (Athens), 1995. 117 pp., illus. A compendium, in words and pictures, of the owners, crew members, and boats that plied the river, tending the gigantic log rafts en route to sawmills downstream from the 1860s until 1915.
- ▶ Edward A. Mueller. **Steamships of the two Henrys : being an account of the maritime activities of Henry Morrison Flagler and Henry Bradley Plant.** E. A. Muller, Jacksonville,

FL. 230 pp., illus., maps. Steamboat lines in Florida and the men who built them.

- ▶ Andrew C. Revkin. **In Harbor Mud, A Vanishing Era: New York's Ghost Ships May Soon Be Lost Again.** *New York Times*, 3 January 1999, Metro section, pp.23, 26. Description of the abandoned ships in the New York harbor, documentation efforts, historic significance, and plans for removal by the Army Corps of Engineers. Inc. photos of some of the wrecks.

AIR TRANSPORT

- ▶ Malcolm J. Abzug and E. Eugene Larrabee. **Airplane Stability and Control: A History of Technologies That Made Aviation Possible.** Cambridge Univ. Pr. (New York), 1997. 390 pp., illus. \$54.95. An informal history of the personalities and events surrounding the development of airplane stability and control, charting both the science and its applications.
- ▶ Eric Schatzberg. **Wings of Wood, Wings of Metal: Culture and Technical Choice in American Airplane Materials, 1914-1945.** Princeton Univ. Pr., 1999. \$49.50. Cultural biases behind the shift from wood to metal in the American aircraft industry.
- ▶ Guillaume de Syon. **The Zeppelin Museum in Friedrichshafen.** *T&C* v. 40,1 (Jan. 1999), pp. 114-119. Exhibit review of fascinating museum in German town of Friedrichshafen, manufacturing center for the giant airships from 1900 until 1940s.

POWER GENERATION

- ▶ T. Lindsay Baker. **North American Windmill Manufacturers' Trade Literature.** Univ. of Oklahoma Pr., 1998. 608 pp., illus. \$37.50. Comprehensive bibliographic guide to historic windmill manufacturers' trade literature in scores of repositories throughout North America and overseas. The fruit of 25 years of systematic research.
- ▶ T. Lindsay Baker, ed. **Windmillers' Gazette.** Quarterly. Avail: Box 507, Rio Vista, TX 76093. Vol. 17,4 (Autumn 1998) includes *Gingerbread Trim for Platforms on Wooden Wind Mill Towers; American Wind Power Center Opens in Lubbock, Texas; The Coming of Windmills to Yucatan.*
- ▶ John Bowditch. **A Gothic Novelty.** *T&C*, v. 40,1 (Jan. 1999), pp. 98-101. Ornamentation of steam engines in the 19th century, highlighting the great Novelty Works beam engine at the Henry Ford Museum as the finest surviving example.
- ▶ Larry Buhr. **Lost to History: The A. L. Cole Generating Station and Its Industrial Heritage.** *Saskatoon History Review* (SHR) v.13, pp.24-36 (1998). Venerable Western Canadian power generating site and numerous adaptive reuse attempts which ultimately failed. Avail: Distributor, SHR, 674 University Dr., Saskatoon, SK, S7N OJ2, Canada.
- ▶ Robert Coates-Stephens. **The Gods are Back in Power.** *Country Life*, 15 October 1998. Reuse of the 1912 Art Nouveau Montemartini power station in Rome's old industrial quarter as a temporary exhibition space for the Greek and Roman sculpture collection of the Musei Capitolini while the museum undergoes a long-term restoration. The classical marble heads and torsos are displayed against the background of the powerhouse's boilers and turbines.

- ▶ Mikael Hard and Andreas Knie. **The Grammar of Technology: German and French Diesel Engineering, 1920-1940.** *T&C*, v. 40,1 (Jan. 1999), pp. 26-46. Study of national differences in German and French diesel engineering from the perspective of linguistics.
- ▶ Richard Hills. **Power from Steam: A History of the Stationary Steam Engine.** Cambridge Univ. Pr. (New York), 1993. 354 pp., illus. \$33.95 pap.
- ▶ James Walton. **Windpumps in South Africa.** Human & Rousseau, Capetown, S. Africa, 1998. Avail: BHB International, Box 1857, Murray Hill, NY 10156; (212) 593-1830. 77 pp., illus. The turbine-wheel water-pumping windmills in southern Africa. Rev: *Windmillers' Gazette* (Autumn 1998), p. 9.

MINES & MINING

- ▶ George Harvan. **The Coal Miners of Panther Valley.** Canal History & Technology Pr. (National Canal Museum, 30 Centre Square, Easton, PA 18042), 1998. 48 pp. photos. \$22.70 ppd. Collection of b&w photos of anthracite coal miners from the 1950s to 1970s. Introductory essay by Thomas Dublin.
- ▶ Aharon Oren and Carol D. Litchfield. **Early Salt Production at the Dead Sea and the Mediterranean Coast of the Holy Land.** *Journal of Salt History* v. 6 (1998), pp. 7-18. International journal of salt history includes many articles and miscellaneous items on salt mining and production from ancient times to present.

BRIDGES

- ▶ David P. Billington. **Robert Maillart: Builder, Designer, and Artist.** Cambridge Univ. Pr., 1997. 331 pp., illus. \$70. Latest in a series of books by the author about the Swiss master of reinforced concrete. Rev: *T&C* (Jan. 1999), p. 154.
- ▶ George A. Gesner and José Jardim. **Bridge within a Bridge.** *Civil Engineering* 68 (Oct. 1998), pp. 44-7. Two automobile lanes and a railroad deck were added to the Tagus River Bridge, completed in 1966. When built, it was the longest bridge in Europe and inc. the world's longest continuous truss.
- ▶ Vahid Ownjazayeri and David A. Peters. **Rebuilding History.** *Civil Engineering* 68 (Oct. 1998), pp. 64-7. Restoration of, and addition of a new independent superstructure to accommodate high-speed rail service to, the Canton Viaduct in Canton, MA, built in 1835, the second-oldest multiple-arch masonry viaduct in the country.

WATER CONTROL & RECLAMATION

- ▶ Peter C. Mancall. **Rivers and the Making of a Nation.** Southwest History Center (Southwest State University, Marshall MN), 1995. 22 pp., \$3.00 + \$1.50 p & h. Examines the historical manipulation of the nation's rivers and some of the untoward consequences of our national hubris.
- ▶ D. L. Vischer and W. H. Hager. **Dam Hydraulics.** John Wiley & Sons (New York), 1998. 316 pp., photos, diags. \$44.95. The hydraulic principles associated with the design, construction and refurbishment of dams.

BUILDINGS & STRUCTURES

- ▶ James Ayres. **Building the Georgian City.** Paul Mellon Center for Studies in British Art/Yale Univ., 1998. 280 pp., illus., index. \$65. New materials and manufacturing methods of the Industrial Revolution influence Britain's urban architecture in the late 18th c. Many forgotten originators and entrepreneurs.
- ▶ Norbert S. Baer. **Conservation of Historic Brick Structures.** Donhead Pub., Shaftesbury (UK), 1998. 506 pp., illus. Avail: PRG Inc., Box 1768, Rockville, MD 20849; (301) 309-2222. Collection of papers and state-of-the-art information about conserving brick structures. Rev: *NCPTT Notes* (Feb. 1999), p. 8.
- ▶ John Davidson. **Simone Swan Adores Adobe.** *Preservation* (Mar./Apr. 1999), pp. 52-59. In the remote Texas bordertown of Presidio, a woman revives mud brick homebuilding with methods imported from Egypt.
- ▶ Ronald C. Tobey. **Technology as Freedom: The New Deal and the Electrical Modernization of the American Home.** Univ. of Calif. Pr., 1997. 316 pp., illus. \$35. The role of New Deal programs, especially the TVA, in bringing a plethora of electrical appliances into the average American residence.

LOGGING & LUMBERING

- ▶ Eric Bracher. **The History of the Linn Tractor;** Ernest L. Portner. **Logging with Linn Tractors in Upstate New York.** *Timber Times* 20 (Mar. 1998), pp. 10-19. Avail: Box 219, Hillsboro OR 97123. Unusual half-track type tractor developed by Holman Harry (Linn) Flannery in 1910s. Intended to carry heavy logs, it was adapted to excavating.
- ▶ Bill Gove. **J. E. Henry's Logging Railroads: The History of the East Branch & Lincoln and Zealand Valley Railroads.** Bondcliff Books (Box 385, Lincoln, NH 03561), c. 1998. 200 pp. \$25.95. The timber and logging railroad empire of James Everell Henry, known as "the wood butcher" of New Hampshire's White Mountains. Rev: *Timber Times* 20, p. 5.
- ▶ Michael Thoel. **Bohemia: The Lives and Times of an Oregon Timber Venture.** Oregon Historical Society Press, c. 1998. 647 pp. \$35. Corporate history of the Bohemia Lumber Co. (1911-1991). Rev: *Timber Times* 20, p. 48.
- ▶ Charles E. Twining. **F. K. Weyerhaeuser, a Biography.** Minnesota Historical Soc. Pr. (345 Kellogg Blvd., St. Paul MN 55102; phone: 1-800-647-7827), 1997. 332 pp. \$29.95. Business and family biography of the eldest grandson of Frederick Weyerhaeuser, the founder of the family lumber business. The conservative Frederick King Weyerhaeuser maintained a sprawling decentralized structure that provided multiple leadership niches for men of the family, accommodating their divergent styles and business judgements. It is a year-by-year account of a rather muddling third-generation empire. Rev.: *Minnesota History* 56 (Summer 1998), pp. 97-8.
- ▶ Lionel Youst. **The Coos King Gas Donkey.** *Timber Times*, No. 19 (Aug. 1998), pp. 28-31. Light, fast machines, manufactured by the Coos Bay (OR) Iron Works, used for hauling and yarding second-growth timber, ca. 1920-1950.

TEXTILES

- ▶ John Fleischman. **Small-Town Mill, Big-Time Museum.** *Preservation* (Mar./Apr. 1999), pp. 23, 26. Adaptive reuse of 13-acre, 27-building complex in North Adams (MA), formerly the

Arnold Print Works (ca. 1865-1900), manufacturer of color-printed textiles. Until recently the factory housed Sprague Electric. It has been converted to a contemporary art museum.

- ▶ Nancy L. Green. **Ready-to-Wear and Ready-to-Work: A Century of Industry and Immigrants in Paris and New York.** Duke Univ. Pr., 1997. 426 pp., illus. \$19.95. Comparative history of the needlework trades.
- ▶ Maureen Fennell Mazzaoui, ed. **Textiles: Production, Trade and Demand.** Ashgate Publishing Ltd. (Old Post Rd., Brookfield VT 05036-9704), 1998. 352 pp. \$107.95. Textiles within the expanding global economy in the Age of European Exploration. Looks at responses to competition, evolving techniques and modes of production, and changes in the patterns of consumption of local and imported cloth in a comparative cross-cultural context. Individual essays focus on world regions and individual countries, such as Iran, British North America, Spanish colonial America, Brazil, China, Southeast Asia, India, and West Africa.

IRON & STEEL

- ▶ Gregory Galer, Robert Gordon and Frances Kemmish. **Connecticut's Ames Iron Works: Family, Community, Nature, and Innovation in an Enterprise of the Early American Republic.** Connecticut Academy of Arts & Sciences (Box 208211, New Haven, CT 06520; (203) 432-3113), 1999. \$13.95 ppd. The difficulties and complexities of establishing an industrial enterprise in the 1830s and the struggles undertaken by Horatio Ames and his associates through 1870. This may have been the first ironworks in the country to initiate wood-fired puddling. It was also the site of heavy forging of large shafts, locomotive tires, and wrought-iron cannon. Innovation, reinvestment, and dogged entrepreneurship did not assure success.

ABBREVIATIONS:

CRM	= CRM: Cultural Resources Management, Avail: National Park Service, Cultural Resources Box 37127, Washington DC 20013-7127.
I&T	= American Heritage of Invention & Technology
PH	= Public Historian
R&LHS	= Railway & Locomotive Historical Society
RH	= Railroad History
T&C	= Technology & Culture
VR	= Vintage Rails

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SOCIETY FOR INDUSTRIAL ARCHEOLOGY

NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 28, No. 2

Summer 1999

COMPILED BY

Mary Habstritt, New York, NY; and Patrick Harshbarger, SIAN editor.

GENERAL INTEREST

- ▶ Esther Buble. **Duluth's Impressive Ore Operations.** VR (May/June 1999), pp. 54-62. Photographic essay of Duluth's railroads and ore docks in 1947. A great warmup to SIA's 2000 annual conference!
- ▶ Hubert Comte. **Tools: Making Things Around the World.** Abrams, 1998. 365 pp., illus. \$75. Diverse collection of evocative photos, paintings and drawings of craftsmen at work, from slaters to wheelwrights. Originally published in French as *Outils du Monde*. Rev: *Preservation* (Mar./Apr. 1999), p. 91.
- ▶ Betty J. Duggan. **From Furs to Factories: Exploring the Industrial Revolution in the Tennessee Overhill.** Tenn. Overhill Heritage Assoc. (727 Tennessee Ave., Etowah, TN 37331), 1998. 64 pp., illus. An interpretive guide to the different industries and their historical remains that developed in southeast Tennessee. Produced by a state heritage area.
- ▶ Paul B. Israel, Keith A. Nier, and Louis Carlat, eds. **The Papers of Thomas Edison: The Wizard of Menlo Park, 1878, Vol. 4.** Johns Hopkins Univ. Pr., 1999. 966 pp., illus., \$60. Newest volume in series covers one year in the life of the great inventor. In 1878, Edison developed the phonograph, made a breakthrough in telephone transmitters, and announced the advent of domestic electric lighting.
- ▶ Lance B. Metz, ed. **Canal History and Technology Proceedings, Vol. XVIII.** Canal History and Technology Pr. (30 Centre Sq., Easton, PA 18042), 1999. 213 pp. \$22.75 ppd. Includes Vince Hydro, *The Lehigh Coal and Navigation Company's Mauch Chunk Gravity Railroad, Part II: The Backtrack*; Larry Lowenthal, *The Second Critical Period of the New York State Canal System*; Lee R. Maddex, *A Work of Art: A History of the Conococheague Creek Aqueduct*; Lillian R. Rodberg, *Brick Bams, A Brass Band, and a Bicycle Railway: New Jersey's (Other) Smithville*; Charles D. Wrege, Regina Greenwood, John Joos, *Early Industrial Management Experiments at Bethlehem Steel Company, 1899-1900: New Discoveries about Frederick Taylor*; Don Postle, *An Early American Civil Engineer: Isaac Roberdeau*.
- ▶ Massimio Negri. **The Preservation of the Sites and Monuments of Industrial Archaeology, and Programmes for Their Conversion into Museum.** *TICCIH Bulletin* (Spring 1999), pp. 3-4. Sweden's Bergslagen Ekomuseum and Italy's Crespi d'Adda presented as case studies of large-scale industrial sites and efforts to interpret them to the public as industrial heritage moves into the mainstream of the European preser-

vation movement. Bergslagen Ekomuseum comprises nearly 60 sites and an enormous area of forest where iron was extracted at the end of the 12th century. Crespi d'Adda, a cotton mill and company town, was built between 1878 and 1900. It is considered one of Italy's finest IA sites.

- ▶ Geoffrey Timmins. **Made in Lancashire: A History of Regional Industrialization.** Manchester Univ. Pr., 1998. 365 pp., illus. £50. Contextual analysis from Tudor times to the present.
- ▶ Michael A. Tomlan. **Preservation of What, For Whom? A Critical Look at Historical Significance.** National Council for Preservation Education (Box 291, Ithaca, NY 14851), 1999. 234 pp. \$29. Proceedings of conference held at Goucher College in March 1997. A wide range of approaches to the concept of historical significance as it has been applied and might be applied in the future. IA topics are included within a broad-based discussion of the use and misuse of public policy.

MISC. INDUSTRIES

- ▶ Frederick Allen. **Old Hat.** *I&T* (Winter 1999), p. 6. Early 20th c. equipment used to craft straw and wool hats of the highest quality at Michael Harris, San Francisco.
- ▶ Tim Allen. **Copperas, the First Major Chemical Industry in England.** *IAN* (Winter 1998), pp. 2-3. Excavation of 16th c. copperas works near Whitstable, Kent. Copperas was a metal sulphite, produced by a noxious and dangerous process of boiling liquid containing sulphuric acid. It was used principally as a dye fixative for woolsens, but also used for the embryonic pharmaceutical industry and for other purposes including tanning, the manufacture of ink, and as a sheep dip.
- ▶ Bill Bamberger and Cathy N. Davidson. **Closing: The Life and Death of an American Factory.** Norton, 1998. (Avail: Bas Bleu Bookseller-by-Post, Box 93326, Atlanta GA 30377-0326; 1-800-433-1155; item # 1622.) 223 pp., photos. \$27.50. Chronicle of the last four months of the White Furniture Co. of Mebane, North Carolina, a family-owned plant founded in 1881, bought by a conglomerate in 1985 and closed in 1993. Profiles of five longtime White employees.
- ▶ Keith Krause. **Arms and the State: Patterns of Military Production and Trade.** Cambridge Univ. Pr. (New York), 1995. 317 pp. \$22.95. The complex interrelationships among international economics and technological developments in the armaments industry.

- Barbara Mayer. **Preserving Papers and Paint: The Corporate Archives of Benjamin Moore & Co.** *Public History News* (Spring 1999), pp. 1-2. Established in 1883, the archives preserve the history of the company and the paint industry. Website: www.benjaminmoore.com.
- Andre Millard. **America on Record: A History of Recorded Sound.** Cambridge Univ. Pr., 1995. 413 pp., illus., bibliog., index. Describes jazz, blues, swing, rock, rap, and movies against the business and technological background of sound recording, incl. such developments as cylinders, 78 rpm discs, 45 rpm microgroove singles, and compact discs.
- Arwen Mowun. **Steam Laundries: Gender, Technology, and Work in the United States and Great Britain, 1880-1940.** Johns Hopkins Univ. Pr., 1999. 352 pp., illus. \$38.40. Factors influencing the rise and decline of commercial steam laundries.
- Matthew W. Norman. **Colonel Burton's Spiller & Burr Revolver: An Untimely Venture in Confederate Small Arms Manufacturing.** Mercer Univ. Pr. (Macon, GA), 1996. 137 pp., illus. \$22.95. Case study of problems Confederacy faced lacking skilled labor, access to raw materials, and capital.
- Pierre Claude Reynard. **Unreliable Mills: Maintenance Practices in Early Modern Papermaking.** *T&C* (Spring 1999), pp. 237-62. Maintenance in 18th-c. French paper mills reveal a pervasive "operate-to-failure" style.
- Cece Saunders and Emily Jones. **Jenkins Manufacturing Co. Plant in Bridgeport (CT).** Documentation of valve maker, 1860-1987; "Ives Toys Make Happy Boys": Bridgeport's Ives Manufacturing Co. Recorded to HAER Standards. Toy train maker from 1870 to 1930. *SIA New England Chapters Newsletter* 18,2 (1998), pp. 6-9.
- Martin Schönfeld. **Was There a Western Inventor of Porcelain?** *T&C* 39,4 (Oct. 1998), pp. 716-27. New light on 17th-c. European acquisition of porcelain technology.
- Catherine Zusy. **Recent Exploratory Excavation of U.S. Pottery Co. Site, Bennington, VT.** *SIA New England Chapters Newsletter* 18,2 (1998), pp. 5-6. Company operated 1847-1858. Analysis of pottery fragments.

AGRICULTURE & FOOD PROCESSING

- Karel D. Bicha. **C. C. Washburn and the Upper Mississippi Valley.** Garland Pub. (New York), 1995. 210 pp. \$52. Biography of Cadwallader Colden Washburn, the power behind the giant, profitable Washburn Crosby Milling Co. (later General Mills) and a key player in the development of the entire Upper Mississippi region, covers his business and political activities in exhaustive detail. Rev: *Minnesota History* 55 (Fall 1996), pp. 133-4.
- Cecilia Danysk. **Hired Hands: Labour and the Development of Prairie Agriculture, 1880-1930.** McClelland and Stewart (Toronto), 1995. 231 pp. \$18.95. Transformation of the farm worker that accompanied the development of mechanized farming in western Canada. Originally viewed as equals, accumulating cash and experience, they became hired hands faced with the prospect (after all the good farmland was gone) of being wage laborers for life, in conflict with their employers and the government which stifled their attempts to unionize.

- Otis L. Graham, et. al. **Aged in Oak: The Story of the Santa Barbara County Wine Industry.** Univ. of Calif., Santa Barbara, Public Historical Studies Program, 1998. 92 pp., maps, photos, \$16.95. Rev: *PH* (Spring 1999), p. 154.
- Terry L. Shoptaugh. **Roots of Success: History of the Red River Valley Sugarbeet Growers.** North Dakota Institute for Regional Studies (Fargo, ND), 1997. 271 pp. \$25. Rev.: *Minnesota History* 56 (Summer 1998) pp. 98-9.

TEXTILES

- Peter Benes, ed. **Textiles in Early New England: Design, Production, and Consumption.** Dublin Seminar for Early New England Folklife Series. Boston Univ. Pr., 1999. 240 pp., illus., charts, photos. Based on the 1997 annual conference.
- Roger N. Holden. **Stott and Sons: Architects of the Lancashire Cotton Mill.** Carnegie Pub., 1998. 272 pp., illus. Early 19th c. architects of Oldham involved in the promotion of cotton spinning companies and, as a general architectural practice, designed other buildings including houses, schools, and a watch factory.
- Nelson Lawry. **Tragic 1907 Dover Mill Fire Is Recalled.** *SIA New England Chapters Newsletter* v. 19,1 (1999), pp. 9-11. Reprint from *Dover (NH) Times* (Jan. 28, 1999). Cocheco Manufacturing Co. mill burns.
- Thomas E. Leary. **The Boott Cotton Mills Museum and the American Textile History Museum.** *T&C* (Spring 1999), pp. 363-68. Exhibit review.
- Peter Stanier. **Stroud's Fulling Days.** *IAN* (Summer 1999), p. 5. Ham Mill, Thrupp, Stroud (UK). Early 19th century rolling mill machines and fulling stocks.
- Mark Watson. **Nemesis for the Scottish Textile Industry?** *IAN* (Summer 1999), p. 4. Last jute spinning mill in UK closes. Includes other sites visited by the SIA study tour.

POWER GENERATION

- Frederick Allen. **Hidden Treasures.** *I&T* (Summer 1999), pp. 6-7. Buffalo's Francis G. Ward Pumping Station, 1914.
- T. Lindsay Baker, ed. **Windmillers' Gazette.** Quarterly. Avail: Box 507, Rio Vista, TX 76093. Vol. 18,1 (Winter 1999) includes *An Overview of Horizontal Windmills and Trying to "Sell" a Windmill Patent in the 1840s* (the 1846 patent of Allen Judd and J. B. Bridgman of Cabotville, MA). Vol. 18,2 (Spring 1999) includes *Prefabricated Windmill Towers from Fairbanks, Morse and Company.*
- Robert Carr. **Gasholders and the Arts.** *IAN* (Winter 1998), p. 6. Adaptive re-use of gasholders in Europe.
- Cullen Murphy. **Engines of the Gilded Age.** *Preservation* (May/June 1999), pp. 70-74. Stalemate over preservation of Chestnut Hill pumping station outside of Boston.

WATER CONTROL & RECLAMATION

- Martin Reuss. **The Art of Scientific Precision: River Research in the U.S. Army Corps of Engineers to 1945.** *T&C* (Spring 1999), pp. 292-323. 1927 Mississippi R. flood and the research program it provoked.

- Richard White. **The Organic Machine: The Remaking of the Columbia River.** Hill & Wang, 1995. 130 pp. \$17.95. Includes four chapters on history of attempt to control river from early 19th c. to 1990s. Rev: *T&C* (Spring 1999), p. 419.

RAILROADS

- Mark Aldrich. **The Peril of the Broken Rail: The Carriers, the Steel Companies, and Rail Technology, 1900-1945.** *T&C* (Spring 1999), pp. 263-91. Railroad management blames steelmakers for poor quality steel; steelmakers blame railroads for running trains too heavy and too fast. Collaborative testing efforts finally settle the dispute.
- Ted Benson. **Done Honest & True: Richard Steinheimer's Half Century of Rail Photography.** Pentrex (1-800-950-9333), 1999. 96 pp., 130 photos. Collection of b&w photos from over 50-yr. career of well-known railroad photographer. Concentrates on western US.
- John P. Hankey. **Railroads on Parade.** VR (May/June 1999), pp. 32-40. 170 yrs. of railroad parades and pageants celebrating the progress and history of American railroading.
- Benjamin F. G. Kline, Jr. **The Logging Railroad Era in Pennsylvania.** Avail: Friends of the RR Museum of PA, Attn: Peg Poore, Box 125, Strasburg, PA 17579. Four numbers in the long out-of-print series have been reissued: *Pitch Pine and Prop Timber* (No.1); *Wild Cattin on the Mountain* (No. 2); *Dams, Dinkies and Sawdust* (No. 12), and *Stemwinders in the Laurel Highlands* (No. 13).
- Blair Kooistra, Jim Belmont, and Dave Gayer. **Crossroads of the West: A Photographic Look at Fifty Years of Railroading in Utah.** Pentrex (1-800-950-9333), 1999. 160 pp., illus., maps, biblio. \$49.95. Lavishly illustrated plus history of rail operations in the state. Rev: VR (July/Aug. 1999), p. 103.
- Michael Krieger. **Where Rails Meet the Sea: America's Connections Between Ships & Trains.** Metrobooks, 1998. 176 pp., illus. \$22.98. Organized geographically (East, Great Lakes, South, West) includes detailed descriptions of waterfront operations, including piers, warehouses, and ferries. Rev: VR (July/Aug. 1999), p. 103.
- Marci Lynn McGuinness. **Along the Baltimore & Ohio RR from Cumberland to Uniontown.** Arcadia Pr. (1-800-313-BOOK), 1998. 128 pp., photos. \$16.99. Features remarkable collection of photographs by W. H. Jackson in 1891, showing bridges, depots, and other lineside structures west out of Cumberland, MD. Rev: VR (July/Aug. 1999), p. 105.
- Margaret Miller. **When the Automobile Saved A Railroad.** VR (July/Aug. 1999), pp. 62-71. "Galloping Gooses," automobiles placed on railroad trucks, kept the Rio Grande Southern RR (CO) in operation during the 1930s to 1950s.
- James P. Zeigler. **A Railroad and a Town: Monon Portrait.** VR (July/Aug. 1999), pp. 30-42. History of the Monon RR (Chicago-Louisville) and the railroad town of the same name in Indiana.

WATER TRANSPORTATION

- Jay C. Ehle. **Cleveland's Harbor: The Cleveland-Cuyahoga County Port Authority.** Kent State Univ. Pr., 1996. 200 pp., photos, maps, \$24. Memoir by former director and chairman of the port authority, 1974-93. Includes several chapters on the early history of the port. Rev: *PH* (Spring 1999), p. 151.
- Richard Francaviglia. **From Sail to Steam: Four Centuries of Texas Maritime History, 1500-1900.** Austin: Univ. of Texas Pr., 1998. 324 pp., maps, illus. \$34.95. Documentary, cartographic, pictorial, and archeological sources are used to explore the rich maritime history of Texas's lengthy gulf coastline and navigable rivers. Rev: *PH* (Spring 1999), p. 148.
- Brian Lamb. **Construction of Locks c. 1800 and in Particular Marple Lock 6.** *Journal of the Railway and Canal Historical Society* (July 1999), pp. 55-61. Avail: 77 Main St., Cross Hills via Keighley, West Yorkshire BD20 UJS, UK. Explanation of lock construction with use of original and current plans.
- John Lamb. **Lockport, Illinois, The Old Canal Town.** Arcadia Pr. (2 Cumberland St., Charleston, SC 29401), c. 1999. Includes large number of photos of the operation of the Illinois & Michigan Canal, the construction of the ship and sanitary canal, and the Illinois Waterway. Plus industries and bridges associated with these waterways.
- David McGee. **From Craftsmanship to Draftsmanship: Naval Architecture and the Three Traditions of Early Modern Design.** *T&C* (Apr. 1999), pp. 209-236. Pre-1800 British naval architecture in the context of dispelling the notion that all pre-modern design is craft work.

AUTOMOBILES & HIGHWAYS

- Stephen Fox. **"I Like to Build Things."** *I&T* (Summer 1999), pp. 20-30. The story of Walter Chrysler.
- Maxwell G. Lay. **Ways of the World: A History of the World's Roads and of the Vehicles That Used Them.** Rutgers Univ. Pr., 1999. 401 pp., illus., \$50. A sweeping overview from prehistoric times to the present.
- **Society for Commercial Archeology Journal** (Fall 1998) features three articles on the history and development of US-numbered highways: Gary R. Mason and Sara Amy Leach, *The Redwood Highway: Ancient Trees and Tourist Bate* (US 101 from San Francisco to Grants Pass, OR); Jon Axline, *Highway Through History; Montana's Scenic U.S. Highway 91*; and, Martha Carver, *The Dixie Highway and Automobile Tourism in the South* (many highways, but mostly US 41). The *SCA Journal* is published twice a year and sent to members. Info: SCA, Box 234, Geneseo, NY 14454-0235.

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With thanks

MINES & MINING

- Karen Daniels. **Tennessee's Historic Copper Basin Area: An Overview.** Polk County Pub. (Benton, TN), n.d. 20 pp., illus., map. A brief history of copper mining in southeast Tennessee taken from the National Register of Historic Places Multiple Property Documentation form.
- Shane Gould. **The Somerset Coalfield.** Somerset IA Society Survey No. 11, 1999. 68 pp., illus. £6.95. Avail: D. W. Warren, 52 Stoke Rd., Taunton, Somerset TA1 3EJ, UK. Brief history and gazetteer of industrial sites around Radstock to the southwest of Bath. Pumping and winding houses, powder houses, workers' housing, transportation, coke ovens. Rev: IAN (Summer 1999), p. 7.
- Larry C. Hoffman. **The Rock Drill and Civilization.** I&T (Summer 1999), pp. 56-63. Rock drill technology through prehistory to the present.
- Charles K. Hyde. **Copper from America.** Univ. of Ariz. Pr., 1998. 267 pp. \$40. Discovery and development of major copper producing areas from colonial times to the present day.
- Donald L. Miller & Richard E. Sharpless. **The Kingdom of Coal: Work, Enterprise, and Ethnic Communities in the Mine Fields.** Canal History & Technology Pr. (30 Centre Sq., Easton, PA 18042-7743; (610) 559-6613), 1998. Reprint ed. 360 pp., illus, \$32.70 ppd. Overview history of the rise and decline of Pennsylvania's anthracite coal fields.

IRON & STEEL

- Ed Kirby. **Echoes of Iron.** Sharon Historical Society (18 Main St., Sharon, CT 06069), 1999. 150 pp., illus. Connecticut's iron industry.
- Victor Rolando. **Beckley Furnace Stabilized by State of Connecticut.** SIA New England Chapters Newsletter v. 19,1 (1999), pp. 3,6. Established in 1847 by John Beckley at East Canaan, and operated through late 1910s. Stabilization of furnace stack.

BRIDGES

- Robert Forsythe and Charles Blackett-Ord. **Lambley Viaduct: The History, Decline and Restoration of a Great Monument.** North Pennines Heritage Trust (UK), 1998. 32 pp., illus. £2.50. History and restoration details of 1852 viaduct spanning the South Tyne valley carrying the 13-mile-long railway from Haltwhistle to Alston.

- **Preserving Historic Bridges in Connecticut.** Efforts to save Berlin Iron Bridge Co. (CT) truss bridges in Connecticut.
- **Crystal Lake Falls Brick Kingdom Historic Park.** The relocation of truss bridges to a historic park at the former Wassell, Nickel and Gross Piano Action factory (1922) in Barton, VT. SIA New England Chapters Newsletter v. 19,1 (1999), pp. 4-5, 7.

BUILDINGS & STRUCTURES

- Antoni Vilanova. **The AEG Turbinhalle in Berlin-Moabit.** TICCIH Bulletin (Winter 1998), pp. 3-4. Turbine factory (1909) by influential architect Peter Behrens.

AIR TRANSPORT

- Donald M. Pattillo. **Pushing the Envelope: The American Aircraft Industry .** Business history of major manufacturers of aircraft for military and commercial uses. A wealth of detail on business executives and companies. Rev: PH (Spring 1999), p. 158.

ABBREVIATIONS:

IAN	= Industrial Archaeology News
I&T	= American Heritage of Invention & Technology
PH	= Public Historian
T&C	= Technology & Culture
VR	= Vintage Rails

Publications of Interest is compiled from books and articles brought to our attention by you, the reader. SIA members are encouraged to send citations of new and recent books and articles, especially those in their own areas of interest and those obscure titles that may not be known to other SIA members. *Publications of Interest* c/o the SIA Newsletter, 305 Rodman Road, Wilmington, DE 19809.

We endeavor to make citations as complete as possible, but they are from a variety of sources, and are sometimes incomplete. If a date, publisher, price, or other statistic is missing, it simply means that it was unavailable, and, unfortunately, we do not have the time to track down these missing bits. The SIA, unless otherwise noted, is not a source for any of the cited works. Readers are encouraged to use their library, bookstore, or school for assistance with locating books or articles.

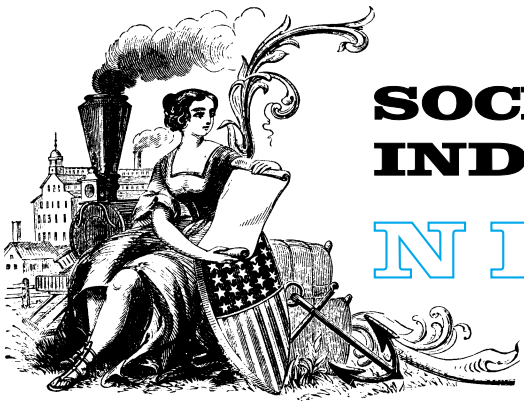
Dan Mayer, 1943-1999

SIA member Dan Mayer died on May 6. Dan was a museum consultant and an avid railroad fan, who rarely missed a chance to attend SIA conferences and tours accompanied by his wife Martha. He will be missed by his many SIA friends.

Dan specialized in exhibition design and developed exhibits for such museums as Eckley Miners' Village, the New York State Historical Association, the Scranton Iron Furnace, the Vermont Folklife Center, and the Historical Association of Cedarburg, WI. He also worked for the Historic American Engineering Record in Seattle and installed the Urban Cultural Park Visitor's Center in Albany.

For many years Dan was a professor in the Cooperstown Graduate Program in Museum Studies from which he graduated

in 1973. It is a two-year program leading to a master's degree in museum studies, and it is located on the campus of the New York State Historical Association and the Farmers' Museum in Cooperstown, NY. Founded in 1964, it is one of the most well-respected graduate programs of its kind, with over 600 graduates. The graduate students were very special to Dan. His friends and colleagues have established the *Daniel D. Mayer Scholarship Fund* in his honor. The award will be given to a student who shares Dan's enthusiasm for exhibitions, and perhaps even railroads! Tax-deductible contributions are being accepted: Dan Mayer Scholarship Fund, Cooperstown Graduate Program, Box 800, Cooperstown, NY 13326.



SOCIETY FOR INDUSTRIAL ARCHEOLOGY NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 28, No. 4

Winter 1999

COMPILED BY

Mary Habstritt, *New York, NY*; and Patrick Harshbarger, *SIAN editor*.

GENERAL INTEREST

- ▶ R. C. Cox and M. H. Gould. **Civil Engineering Heritage Ireland.** Thomas Telford, 1998. 296 pp., illus. (Avail: Institute of Civil Engineers, 1 Great George St., London, SW1 3AA, U.K.). Inventory of 202 entries including bridges, harbors, docks, lighthouses, canals, railroads, reservoirs, and water towers. Primarily 19th century. Rev: *IAR* (June 1999), p. 66.
- ▶ David W. Dunlap. **In Chicago, Layers of History but Uncertain Future.** *New York Times*, Sun., May 2, 1999, Real Estate sec., p. 7. Recounts the current state of the historic Pullman neighborhood in Chicago and renewed efforts to save the public buildings since the Dec. fire that ravaged the administration building, with its landmark clock tower, and adjacent erecting shop.
- ▶ Demeter Fertis and Anna Fertis. **Historical Evolutions of Infrastructure: 15,000 Years of History.** New York: Vantage Pr., 1998. 191 pp. illus. \$18.95. The evolution of infrastructure from ancient times to the present, taking into account the influences of each period's leaders in literature, mathematics, architecture and science.
- ▶ **Forgotten NY.** Website includes photographs of remnants of New York City's past. Some, like the subway images, are accompanied by historical information, while others, like those of the former Flushing airport, have only sketchy captions. If you're interested in looking for traces of the past in NYC, this may at least provide inspiration.
- ▶ **Industrial Archaeology News** is the quarterly newsletter of the Association for Industrial Archaeology (AIA) in Great Britain. In addition to news of IA events in the UK, its Autumn 1999 issue included articles on *Bath's Industrial Museum*, *Routeways over Standedge* (over 200 yrs. of transportation history over a pass in the Pennine watershed), and *A Proposed Limekiln Typology*. The newsletter, as well as the association's scholarly journal *IA Review*, are benefits of AIA membership. Back issues available. Also available: David Eve, **A Guide to the Industrial Archaeology of Kent.** 60 pp. Produced for the AIA's 1999 conference. The format is similar to guidebooks to SIA annual conferences. Info: AIA Office, School of Archaeological Studies, Univ. of Leicester, Leicester LE1 7RH, UK; e-mail: AIA@le.ac.uk.
- ▶ **Industrial Patrimony: Resources, Practices, Cultures** is the new journal of TICCIH. The first issue (1999) includes (in English): Hans Kania, *Zollverein Colliery* on preserving a large-scale industrial landscape in the Ruhr; Piotr Gerber, *The Project and Realization of the Museum of Industry and Technology in Walbrzych*, the creation of an industrial museum at a coal mine in Lower Silesia; Gyorgyi Nemeth, *The Miskolc-Diosgyor Ironworks*, industrial preservation in northeast Hungary; Eugene Logunov, *Iron Ore and the Iron Works of the 18th-20th c. in the Urals*, threats to Russia's iron heritage in the transition to a market economy; Orjan Hamrin, *Preserving and Interpreting the Flatenberg Foundry*, a museum in Bergslagen, Sweden; Stuart B. Smith, *The Death of Industry Yet the Growth of Heritage*, on historic mines in Cornwall; Franco Mancuso, *Safeguarding the Industrial Heritage and the New Needs of the City: The Case of Venice*, problems preserving industrial sites in cities that predate the industrial revolution; Michael Cotte, et. al., *Restoring and Reusing Historical Bridges in Kyushu Island*, efforts to preserve bridges on one of Japan's main islands. The journal is available from: Écomusé de la Communauté Urbaine Le Creusot-Montceau les Mines, Industrial Patrimony Journal, Chateau de la Verrerie, B.P. 53, F 71202, Le Creusot Cedex, France. \$51; \$41 TICCIH members; \$35 students.
- ▶ Richard W. Iobst. **Civil War Macon.** Mercer Univ. Pr., 1999. 450 pp., photos. \$35. In the heart of the Confederacy, Macon (GA) was considered a secure location for hospitals, prisons, and industry. Three chapters (101 pp.) detail difficulties in the face of wartime shortages, of converting the Findlay Iron Works to a cannon foundry, manufacturing small arms, and building a laboratory to improve and standardize ordinance.
- ▶ Donald MacKenzie and Judy Wajcman eds. **The Social Shaping of Technology.** 2nd ed. Open Univ. Pr., 1999. 352 pp. \$26.95. How technology is affected at a fundamental level by its social context. Theoretical articles and case studies including: the watermill and feudal authority, automatically controlled machine tools, airplane cockpit design, and the M-16 rifle.
- ▶ Kristin Ohlson. **Historians Fight to Save Cleveland's Ore Unloaders.** *New York Times*, Sun., June 6, 1999, National section, p. 26. Describes the final battle in the fight to save the Huletts.
- ▶ Marilyn Palmer and Peter Neaverson. **Industrial Archaeology: Principles and Practice.** Routledge, 1998. 180 pp., illus. \$39 paper. Textbook of theory, investigative techniques, and preservation options from a British perspective. Rev: *IAR* (June 1999), p. 62.
- ▶ Frederic L. Quivik. **Whither Industrial Archeology.** *TICCIH Bulletin* (Summer 1999), pp. 3-5. Report on SIA's symposium held last November in Lowell.

- F. M. Scherer. **New Perspectives on Economic Growth and Technological Innovation.** Brookings Inst. Pr., 1999. 167 pp. \$16.95. Evolution of economic growth theory from the Industrial Revolution to the present. Emphasizes technological change as the most crucial dynamic force for growth. By former chief economist of the Federal Trade Commission.
- Frederick D. Schwarz. **HAER at 30. I&T** (Fall 1999), pp. 8-9. Commemorates 30 years of the Historic American Engineering Record.
- John C. Van Horne. **The Latrobe Papers: A Retrospective;** Jeffrey A. Cohen, **Life and Afterlife of an Editorial Project: The Papers of Benjamin Henry Latrobe, 1970-1995.** *Annotation: The Newsletter of the Nat'l Hist. Publ. & Rec. Comm.* (June 1999), pp. 13-18. Critical review of a 25-yr. project to collect and edit Latrobe's papers. Latrobe is generally acknowledged as America's first professional architect and engineer.
- Ronald L. Lewis. **Transforming the Appalachian Countryside: Railroads, Deforestation, and Social Change in West Virginia, 1880-1920.** Univ. of NC Pr., 1998. 348 pp. \$18.95 paper. Interaction of industrialization, resource depletion, economics, and social change. Rev: *RH* (Spring 1999), p. 162.
- **Rebuilding # 26.** *Railway Museum Quarterly* (Summer 1999), pp. 7-9. Restoration of a 1908 interurban car at the East Troy RR Museum. Described as a model project for how it ought to be done with careful study of the car for clues to how it was manufactured and modified.
- John Smatlak. **Conservation and Collections Management.** *Railway Museum Quarterly* (Summer 1999), pp. 2-7. Basic ideas and straightforward suggestions for railway museums and volunteers to protect and preserve their collections.
- Joe Walsh. **Pennsy Streamliners: The Blue Ribbon Fleet.** Kalmbach, 1999. 160 pp., photos. \$15.95. Pennsylvania RR 1930s streamlining.

RAILROADS

- Mike Bartels, et. al. **The CN&W Cowboy Line.** South Platte (NE) Pr., 1998. 64 pp. History of the Chicago & North Western RR's Omaha-Chicago line and its conversion into the longest (247 m.) rails-to-trails project in the nation. Extensive coverage is given to bridges over Pine Creek and Niobrara R. Rev: *RH* (Spring 1999), p. 156.
- Mason Y. Cooper. **Norfolk & Western's Shenandoah Valley Line.** N&W Historical Soc. (Box 201, Forest, VA 24551), 1998. 241 pp., photos. \$53.45 ppd. Rev: *RH* (Spring 1999), p. 160.
- A. Bray Dickinson, Roy Graves, Ted Wurm and Al Graves. **Narrow Gauge to the Redwoods: The Story of the North Pacific Coast Railway and San Francisco Bay Paddle-Wheel Ferries.** 1999. 168 pp., photos. \$37.95. Reprint ed.
- **Hill Group's Full Photographic Archive.** The James J. Hill Papers and Louis W. Hill Sr. Papers at the James J. Hill Reference Library (now collectively called the James J. Hill Group) has put its entire collection of some 8,000 photographs online. These include images from the 1870s to just after WW II, drawn primarily from the personal papers of James J. Hill and Louis W. Hill, Sr. It is possible to browse small sub-collections, such as "Railroads," which includes images of the Great Northern and its predecessor, the St. Paul, Minneapolis & Manitoba, or to search the entire collection by keyword. Photographs are available for purchase (\$25 for non-profit use, \$200 for-profit).
- Wendell W. Huffman. **Railroads Shipped by Sea.** *RH* (Spring 1999), pp. 7-30. Shipping railroads to California from the Eastern U.S. and Great Britain prior to the completion of the transcontinental railroad in 1869.
- Clifton E. Hull. **Railroad Stations and Trains Through Arkansas and the Southwest.** White River Prod. (24632 Anchor Ave., Buchlin, MO 64631), 1997. 190 pp., photos, maps. Brief histories of six railroads traversing Arkansas on the way to Texas and the Southwest. \$34.45 ppd. Rev: *RH* (Spring 1999), p. 155.
- John F. Humiston. **The South Works Narrow-Gauge Railroad.** *RH* (Spring 1999), pp. 73-126. Railroad of the Illinois Steel Co. (later Carnegie-Illinois), Chicago, 1880-1950s.

WATER TRANSPORTATION

- Michael Bernstein. **Fabricated Ship Construction at Bristol, Pennsylvania 1917-1921.** *Nautical Research Journal* v. 44, 3 (Sept. 1999), pp. 139-150. Illus., tables. History of the Merchant Shipbuilding Corp. shipyard, established during WW I to build freighters.
- Cheryl B. Chaput. **Collecting for America and the Sea: It's an Odd Duck: Rod Stephens and the Development of the DUKW.** *Log of Mystic Seaport* v. 51, 1 (1999), pp. 17-22.
- James Douet. **Opinion.** *TICCIH Bulletin* (Summer 1999), p. 1. Describes European efforts to document and preserve historic naval dockyards, many recently opened to visitors because of the end of the Cold War.
- Benjamin A. Fuller. **Native Legacy: America's Favorite Small Boats.** *Log of Mystic Seaport* v. 51,1 (1999), pp. 12-16.
- Larry Lowenthal. **From the Coalfields to the Hudson: A History of the Delaware & Hudson Canal.** Purple Mt. Pr. (Box E3, Fleischmann's NY 12403), 1997. 298 pp., illus. \$28.50 ppd. A "premier study" of the canal, according to the reviewer. Rev: *RH* (Spring 1999), p. 163.
- William R. Newhouse, et al. **A Joint Effort.** *Civil Engineering*, Sept. 1999, p. 34-37. Restoration of the Haxall/Kanawha Canal in downtown Richmond, VA, which included installing and modifying sewer pipelines under the canal as part of a concurrent sewer separation project.
- Ronald Paxton and Jean Leslie. **Bright Lights: The Stevenson Engineers 1752-1971.** (Avail: Prof. Roland Paxton, Civil & Offshore Engineering, Heriot-Watt Univ., Edinburgh EH14 4AS, U. K., but all checks made to: Gillespie Macandrew.) 207 pp., illus., US \$46 by check via sea mail; \$52 air. Canada, if you can, £17.95 plus £3.50 sea mail, £7.00 air. Entirely new revelations about the famed Stevenson family of civil engineers and lighthouse builders, based largely on previously unexamined documents, even new material on Robert Louis, who began his career as a reluctant trainee engineer. The family built practically every lighthouse—major and minor—on the Scottish coast.
- Mark Starr. **Documenting Complex Curved Surfaces.** *NCPTT Notes* (July 1999), pp. 5, 9. New electronic methods improve speed and accuracy of documenting historic ship hulls.

- Jerry Stockbridge. **Move It or Lose It: Saving the Cape Hatteras Lighthouse.** *Structures* (Fall 1999), pp. 36-38. (Published by the Nat'l Council of Structural Engineers Assoc., Inc.) When the shoreline encroached on the 1870 lighthouse, engineers and other specialists picked it up and rolled it away.
- John R. Ward. **The Little Ships That Could.** *I&T* (Fall 1999), pp. 34-43. Building destroyer escorts in Denver and Duluth during WW II.

AUTOMOBILES & ROADWAYS

- Thomas F. Howard. **Sierra Crossing: First Roads to California.** Univ. of Calif. Pr., 1998. 226 pp., illus. \$28. Building roads over the Sierra Nevada.
- John Jacobus and Skip Gear. **Boys Just Wanted to Have Fun: Remembering General Motors' Fisher Body Craftsman's Guild (1930-1968), Nurturer of the Creative Male Soul.** *Automotive History Review* (Spring 1999), pp. 21-33. A history of the model-building scholarship contest offered by GM. These teenage boys would put up to 2,000 hrs. into this project. Avail: Soc. of Automotive Historians, 1102 Long Cove Rd., Gales Ferry, CT 06335.
- Ruth Milkman. **Farewell to the Factory: Auto Workers in the Late 20th Century.** Univ. of Calif. Pr., 1997. 247 pp. \$15.95. The human side of the decline of the U. S. auto industry.

POWER GENERATION

- T. Lindsay Baker, ed. **Windmillers' Gazette.** Quarterly. Avail: Box 507, Rio Vista, TX 76093. Vol. 18, 3 (Summer 1999) includes Norman A. Marks, *A History of the 17-Inch Windmill*, a history of the Aero Manufacturing Co. (Geneva, NB), makers of toy and model windmills. Also, T. Lindsay Baker, *Interchangeable Wheels and Vanes for Open-Geared and Oil-Bath Steel Windmills*. Vol. 18, 4 (Autumn 1999) includes "Easy to Have Running Water Like City Folks" *Windmills and Pressurized Water Supply Systems*.

WATER CONTROL & RECLAMATION

- Stephen G. Tatro. **Dam Breaching: The Rest of the Story.** *Civil Engineering*, Apr. 1999, pp. 50-55. Evaluates the possible removal of four dams, built between 1956 and 1975, on the Snake R. to improve salmon migration. Impact of increased river flow on other existing river structures and embankments. Includes a chart of federal dams recently removed, slated for removal, and being considered for removal.

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BRIDGES

- Mark Aldrich. **Engineering Success and Disaster: American Railroad Bridges, 1840-1900.** *RH* (Spring 1999), pp. 31-72. Analysis of the cause and effect of bridge failures, especially the impact of trading safety for economy in 19th-c. America.
- Steven Gatke. **Crib Trestles and Bridges.** *Timber Times* (Issue 21, June 1999), pp. 28-32. Fascinating photos of "Lincoln Log" style bridges used by West Coast logging railroads. Surely enough to make a bridge engineer's hair stand on end, but they appear to have worked quite satisfactorily and with reasonable safety.
- Walter C. Kidney. **Pittsburgh's Bridges: Architecture and Engineering.** Pittsburgh History & Landmarks Foundation (1 Station Sq., Ste. 450, Pittsburgh, PA 15219), 1999. 248 pp., photos. \$53.95 ppd. Essay and guide to 50 landmark bridges in "the city of bridges." Includes archival photos and images by noted photographer Clyde Hare.
- Barbara Moran. **A Bridge That Didn't Collapse.** *I&T* (Fall 1999), pp. 10-19. Maine's Deer Isle bridge was built at the same time as the Tacoma Narrows, and with virtually the same design. One difference: it still stands.
- **The Rebuilding of Victoria Bridge, 1897-1899.** *Canadian Rail* (May/June 1999), pp. 59-87. An exhaustive and well-illustrated history of the Grand Trunk RR's truss bridge at Montreal. *Canadian Rail* is the bi-monthly magazine of the Canadian Railroad Historical Assoc., 120 Rue St-Pierre, St. Constant, Quebec J5A 2G9. Membership in the CRHA includes a subscription. \$36CA/\$31US.
- Rafail Veksler and Abhay P. Thorat. **The Arch Bridge Mystery.** *Civil Engineering*, Sept. 1999, p. 48-51. Evaluation, including investigating the reason for significant concrete spalling in spite of loads and wind stresses well within allowable limits, and the planned restoration of the historic Manayunk railroad bridge in Philadelphia.

BUILDINGS & STRUCTURES

- Paul Marsden and Timothy Whiteman, eds. **The Top 10 Construction Achievements of the 20th Century.** KHL International (Southfields, Southview Rd., Wadhurst, East Sussex TN5 6TP, UK), 1999. 272 pp., illus. \$64.95. Based on nominations made at Conexpo-Con/Agg 99, an exhibition for the construction, aggregate and concrete industries, and a final vote by industry executives and editors, this list includes such projects as the Golden Gate Bridge and Hoover Dam. Multiple photos and diagrams of initial designs, work in progress and the completed projects are accompanied by detailed accounts that include problems encountered during construction.
- Charles P. Roberge, et. al. **Saving the Exeter Street Theater.** *Structures* (Fall 1999), pp. 17-21. (Published by the Nat'l Council of Structural Engineers Assoc., Inc.) Innovative repairs to wood roof trusses in the 1885 theater in Boston.
- Michael Stratton. **New Materials for a New Age: Steel and Concrete Construction in the North of England, 1860-1939.** *IAR*, v. 21:1 (June 1999), pp. 5-24.

(continued on page 19)

CHAPTER NEWS

Samuel Knight (California) has been working on the restoration of a 1909 flatcar at the California State Railroad Museum. They have also been continuing their work to help save the Knight Foundry. Chapter members helped organize a new not-for-profit Knight Foundry Preservation Society, which has negotiated terms to purchase the foundry. The chapter held a two-day tour to the Marin Headlands to view historic lighthouses and military installations including bunkers and gun batteries from WW II.

The New England Chapters held their combined winter meeting and papers session at Plymouth (NH) State College in early February. In January, the Southern NE Chapter toured the Belcher Malleable Iron Foundry in Easton, MA.

Oliver Evans (Philadelphia) toured the construction of a new combined sewer overflow being built in an underground tunnel near the Fairmount Waterworks in November. The annual Filmfest, hosted by Lance Metz, was held in December. ■

NOTES & QUERIES

ment for participation in the symposium. Registration (including lodging and meals) is available to TIMS members for \$1,000. In addition to the formal symposium, TIMS members in North America have organized three optional pre-symposium tours. These will visit steam, water, and electrically powered mills in Missouri; watermills in northern Virginia and West Virginia; and, wind engines (American-style pumping windmills) in Texas. Info: Derek Ogden, TIMS America, HCR 5, Box 339, Madison, VA 22727; (540) 672-1303; fax 672-0218; e-mail: butler_j@mediasoftware.net.

The **European Federation of Associations of Industrial and Technical Heritage (E-FAITH)** is a new organization established to promote cooperation and communications between non-profit associations involved in the recording, conservation, development, management, and interpretation of industrial sites in Europe. Among the group's aims is to launch a campaign for a European Industrial and Technical Heritage Year. Information is available on the website of the Flemish Assoc. for Industrial Archaeology: www.conservare.be/vvia/Euro2002/E-Faith.htm.

Paper proposals are invited for the conference, **Kitchens: Design, Technologies, and Work** at the Hagley Museum and Library, Wilmington, DE, Nov. 10, 2000. Proposals may address household, commercial, and industrial kitchens in North America after 1850. Of interest are changing design and technology of kitchens and their contents (such as appliances and furniture), the social relations of kitchen work (cooking, cleaning, etc.) within firms or households, and the spatial relationships inside kitchens, as well as between kitchens and other spaces in homes or institutions. Proposals are due by Apr. 21, 2000 and should include an abstract of no more than 500 wds. and a brief c.v. Info: Roger Horowitz, Center for the History of Business, Technology and Society, Hagley Museum and Library, Box 3630, Wilmington, DE; (302) 658-2400; e-mail: rh@udel.edu. ■

PUBLICATIONS OF INTEREST

(continued from page 11)

TEXTILES

- ▶ Roger N. Holden. **Water Supplies for Steam-powered Textile Mills.** *IAR*, v. 21:1 (June 1999), pp. 41-51. Condensing engines required large quantities of cold water, explains why Lancashire cotton mills continued to be built adjacent to water courses well into the 20th century.

IRON & STEEL

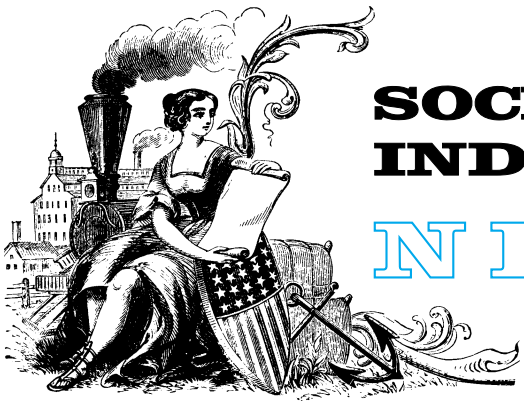
- ▶ Iain Hedley and Ian Scott. **The St. Helens Iron Foundry.** *IAR*, v. 21:1 (June 1999), pp. 53-59. British iron foundry (1798-1939) known for casting and building pumping and winding engines for the mining industry.
- ▶ David Weitzman. **Pouring Iron: A Foundry Ghost Story.** Houghton Mifflin, 1998. Surely to please adult SIAers and children, alike. In this fictional account, the real Knight Foundry (1875, Sutters Creek, CA) is seen through the eyes of a boy, Howard, a modern-day apprentice, who meets foundrymen (ghosts from the past) who show him their craft. Rich in detail, it goes step-by-step through the making of the mold to the pouring of the iron with the ghost story adding suspense and mystery. Illustrated with beautiful line drawings by Weitzman (author and illustrator of another SIA favorite *Superpower*). The Knight Foundry was a featured site of the 1996 SIA annual conference.

ABBREVIATIONS:

- I & T = American Heritage of Invention & Technology
- IAN = Industrial Archaeology News (UK)
- IAR = Industrial Archaeology Review (UK)
- NCPTT = National Center for Preservation Technology & Training, National Park Service
- RH = Railroad History
- TICCIH = The International Committee for the Conservation of the Industrial Heritage

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SOCIETY FOR INDUSTRIAL ARCHEOLOGY NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 29, No. 1

Spring 2000

COMPILED BY

Mary Habstritt, *New York, NY*; and Patrick Harshbarger, *SIAN editor*.

GENERAL INTEREST

- ▶ **American Memory: Historical Collections for the National Digital Library.** Web Site: <http://memory.loc.gov/ammem/amhome>. The Library of Congress Web site allows searches for images, documents, and sound recordings in various historical collections, including HABS/HAER; railroad maps; the Farm Security Admin. photographs; and the Detroit Publishing Co. photographs, a collection of 25,000 glass negatives and transparencies from a project where a specially outfitted railroad car was sent across the country in 1902 to document the former frontier. There is a wealth of images related to industry and technology. The search engine allows searching by keyword or subject. Some individual collections allow searching by photographer or geographic location.
- ▶ **Canal History and Technology Proceedings, Vol. XIX.** Canal History and Technology Press (30 Centre Square, Easton, PA 18042-7743), 2000. 235 pp., illus. \$22.75 ppd. Papers from the annual symposium. Edited by Lance Metz. Includes: Vince Hydro, *The Lehigh Coal and Navigation Company's Mauch Chunk RR, Part III: Panther Creek Operations & the Switchback RR*; Kenneth C. Wolensky, *A Working Class Haven in the Pocono Mts.: Unity House—ILGWU*; Jean Whitford Turcott, *"The Vortex of Party Strife," The Funding Debate and Construction of the New York & Erie RR, 1832-1851*; Lance E. Metz, *The Prosecution of the Molly Maguires in Carbon County*; Michael E. Workman, *The Kay Moor Mine, 1901-1962: A Case Study of Underground Mechanization in the Bituminous Coal Fields of Southern West Virginia*; Robert J. Kapsch, *Benjamin Wright and the Design and Construction of the Monocacy Aqueduct*.
- ▶ **Chronicle of the Early American Industries Assoc.** is published quarterly and available with membership in the EAIA (see info elsewhere in this issue). Vol. 52, 3 (Sept. 1999) includes Kay Gibson, *The Golden Age of Farm-Produced Butter in New England and the Mid-Atlantic Region, 1700s to 1800s*; Andrew Hall, *The History of the Lawn Mower, Part 2: 1900-1940*; Kenneth E. Turner, *When is a Turf Mallet Not a Mallet?*; Jim Packham, *Shears and Scissors*; Donald A. Armistead, *Different Applications of Simple Metallurgical Activity*; Thomas A. Lamond, *Spokeshaves and Similar Tools*; Mary Ann Landis, *Labor and Coal: The Beginnings of a Regional Union in the Anthracite Fields of Pennsylvania, 1854-1874, Part 1*. Vol. 52, 4 (Dec. 1999) includes Donna Parker and Jonathan Jeffrey, *Fulling Around: The Shaker Fulling Mill at South Union, KY*; Mary Ann Landis, *Labor and Coal, Part II*; Walter W. Jacob, *Brace Up for a Bit of Stanley History, 1869-1908*; James I. Walsh, *Capacity and Gauge Standards for Barrels and Casks of Early America*; Debbie Henderson, *The Making of a Felt Hat*; Allan Klenman, *An Australian Oddity* (special hatchet for safely opening oil-products crates).
- ▶ Henry Cleere. **Putting Industry on the World Heritage List.** *TICCIH Bulletin*. (Autumn 1999), pp. 3-5. Under-represented historic industrial sites on the UNESCO World Heritage list.
- ▶ John Holusha. **New Jersey Brownfields Are Drawing Developers,** *New York Times* (Sun. Oct. 17, 1999), sec. 11, pp. 1, 8. NJ law protects buyers of brownfields and innovative use of dredged material from NY Harbor for capping material. A boom in the commercial development of brownfields for shopping centers and golf courses.
- ▶ Arnold Pacey. **Meaning in Technology.** MIT Press, 1999. 272 pp., illus., \$27.50. How an individual's sense of purpose and meaning in life can affect the shape and use of technology.
- ▶ Eusebi Casanalles Rahola. **The Museum Interpretation of Industrialization.** *Industrial Patrimony*, v. 2, pp. 27-32. History and development of Museum of Science and Technology in Catalunya, Spain.
- ▶ Christine M. Rosen. **Costs and Benefits of Pollution Control in PA, NY, & NJ, 1840-1906.** *Geographical Review*, v. 88, 2 (April 1998), pp. 219-240. PA judges saw abatement costs too high; NY and NJ judges didn't.
- ▶ **Small Town America: Stereoscopic Views from the Robert Dennis Collection.** Web site: <http://digital.nypl.org/stereoviews>. The NY Public Library has digitized selected historical collections, and this is one of the first collections of photographs to be put on its Web site. (Another on the history of transportation is due soon.) The stereoviews of small towns and cities in NY, NJ, and CT are grouped by location and can be searched by keyword. Many images of bridges, mills, and transportation.
- ▶ Edward Tenner. **Why Things Bite Back: Technology and the Revenge of Unintended Consequences.** Knopf, 1996; 1997 pap. 346 pp., bibliog., index. \$26; \$13 pap. 20th-c. technology that improved conditions only later to develop adverse consequences or "revenge effects." Examples include automobiles, which were viewed as solving the sanitary problems of horse-drawn vehicles only to result in a different kind of pollution as well as traffic jams; football helmets, which have led to more violent play; and carpal tunnel syndrome, brought on by improvements in office technology, but which goes back to the days of telegraph operators, who developed "glass arm."

- George M. Winder. **The North American Manufacturing Belt in 1880: A Cluster of Regional Industrial Systems or One Large Industrial District?** *Economic Geography* v. 75, 1, Jan. 1999, pp. 71-92.
- David Worth. **A Smoke Belching Congestion of Factories.** *Industrial Patrimony* v. 2, pp. 65-72. Cape Town, South Africa's neglected industrial heritage.
- G. Pascal Zachary. **Endless Frontier: Vannevar Bush, Engineer of the American Century.** MIT Press, 1999. 528 pp., illus. \$22. Biography of cofounder of Raytheon, whose initial success was based on long-lasting radio tubes, and President Roosevelt's engineering advisor, who oversaw the work of the Manhattan Project.
- Dennis Zembala. **The Baltimore Museum of Industry: A Working Museum for a Working City.** *Industrial Patrimony*, v. 2, pp. 57-58.

MINES & MINING

- Geoffrey L. Buckley. **The Environmental Transformation of an Appalachian Valley, 1850-1906.** *Geographical Review*, v. 88,2 (Apr. 1998), pp. 175-198. Coal mining in the George's Creek valley west of Cumberland, MD, transformed the natural landscape.
- Grenville A. J. Cole. **Memoir of Localities of Minerals of Economic Importance and Metalliferous Mines in Ireland.** Mining Heritage Society of Ireland (Avail: c/o Matthew Parkes, Geological Survey of Ireland, Beggars Bush, Haddington Rd., Dublin 4, Ireland), 1999. 155 pp. £ 11. Facsimile ed. of the 1922 survey is rich in detail and historical references. Includes forward, biography of the author, new and old photos of mine sites, and some plans and sections from mine records.
- Janet L. Finn. **Tracing the Veins: Of Copper, Culture, and Community from Butte to Chuquicamata.** Univ. of Calif. Pr., 1998. 309 pp., bibliog., index, maps. \$45; \$16.95 pap. Double history of two Anaconda mining communities: Chuquicamata, Chile, and Butte, Montana. Connections between people in company towns in the First and Third Worlds.
- J. S. Holliday. **Rush for Riches: Gold Fever and the Making of California.** Univ. of Calif. Pr., 1999. 336 pp., illus. \$50. Frames the gold rush years within the larger story of the state's transformation from a Mexican hinterland to the forefront of capitalism.
- A. Bernard Knapp, Vincent C. Pigott & Eugenia W. Herbert, eds. **Social Approaches to an Industrial Past: The Archaeology and Anthropology of Mining.** Routledge, 1998. 306 pp., bibliog., index. \$75.00. Iron production in Cyprus in the Iron Age, in Thailand, in the Alps in the Bronze Age, in pharaonic Egypt, and in Africa during the colonial period; and modern mining communities in Australia, the U.S., and Cornwall. Social life in mining communities with respect to gender issues, prostitution, religious institutions, class, and race.
- P. R. Moore and N. A. Ritchie. **In-Ground Ore-Roasting Kilns on the Hauraki Goldfield, Coromandel Peninsula, New Zealand.** *Australasian Historical Archaeology* v. 16, pp. 45-59.
- Frank Sanders, et al. **Wetlands Treat Mine Runoff.** *Civil Engineering*, Jan. 1999, pp. 52-55. Building a filtration system that incorporates local wetland plants for the treatment of runoff at the abandoned Mike Horse and Anaconda mines, northeast of Missoula.

LOGGING & LUMBERING

- J. P. Bertrand. **Timber Wolves: Greed and Corruption in Northwestern Ontario's Timber Industry, 1875-1960.** Thunder Bay Historical Museum Soc. (Thunder Bay, ON), 1997. 162 pp., \$16.45 ppd. This is the "long-unpublished but oft-cited manuscript account" completed by the author in 1961. It weaves together stories of pioneer loggers, pulpwood operators, timber speculators, and mill promoters of the northern U.S. as well as Ontario. Bertrand was once a timber co. employee.
- Ken Drushka. **Tie Hackers to Timber Harvesters: The History of Logging the BC Interior.** Harbour Pub. (Box 219, Madeira Park, BC V0N 2H0, Canada), 1999. 240 pp., photos. \$44.95. Overview of logging and lumbering in eastern British Columbia, 1850s to present. Rev: *Timber Times* (Issue 21), p. 5.
- Steven R. Gatke. **Photos from the Blair Family Album, Stimson Lbr. Co. 1938/39.** *Timber Times* (Issue 21, June 1999), pp. 8-12. Photo history of family lumber business near Forest Grove, OR. Shows how a lumber camp was set up during the 1930s.
- Gilbert H. Hoffman. **Steam Whistles in the Piney Woods.** Longleaf Pr. (Box 15723, Harrisburg, MS 39404), ca. 1999. 194 pp., illus. \$53.95 ppd. Sawmills and logging railroads of Forrest and Lamar counties, Mississippi. Rev: *Timber Times* (Issue 21), p. 5.
- Thad J. Sitton and James H. Conrad. **Nameless Towns: Texas Sawmill Communities, 1880-1942.** Univ. of Texas Pr., 1998. 271 pp., photos. \$37.50; \$18.95 pap. Sawmill communities in Texas from oral history, company records, and other archives. The companies that ran the mills, the jobs involved in logging and milling, and the rough-hewn towns themselves.

AGRICULTURE & FOOD PROCESSING

- Martin Carney. **A Cordial Factory at Parramatta, New South Wales.** *Australasian Historical Archaeology* v. 16, pp. 80-93.
- **Donation to Archives Center Reveals One Inventor's Life.** *Lemelson Center News* (Summer 1999), pp. 1-2. Avail: Lemelson Center, Smithsonian NMAH, 14th St. and Constitution Ave. NW, Washington, DC 20560. Everett H. Bickley (1888-1972), noteworthy as the developer of a photoelectric bean sorter widely used in canneries and storage elevators.
- Warwick Pearson. **Water-Powered Flourmilling on the New England Tablelands of New South Wales.** *Australasian Historical Archaeology* v. 16, pp. 30-44.
- **Seagram Company Ltd. and Bronfman Family.** Hagley Museum & Library (Box 3630, Wilmington, DE 19807; 302-658-2400), 2000. No charge. Guide to the Seagram archive recently opened for research.
- Brian Townsend. **The Lost Distilleries of Ireland.** Neil Wilson Pub. (303A, Pentagon Centre, Washington St., Glasgow, G3 8AZ, UK), 1997. Illus., \$24.95. A thoughtful look at one of Ireland's great industries and what is left of its

once numerous distilleries. The golden years of Irish distilling were just over 100 years ago, but during the first two decades of the 20th century, the industry was in chaos from loss of the American market to Prohibition and the English market to politics following the establishment of the Irish Free State. Only in recent years has the industry made a comeback.

IRON & STEEL

- ▶ James R. Bennett. **Tannehill and the Growth of the Alabama Iron Industry.** Avail: Tannehill Ironworks, 12632 Confederate Parkway, McCalla, AL 35111; (205) 477-5711. 488 pp., illus., photos, maps. \$22.95 paper. \$38.95 hardback. Daniel Hillman's ironworks from 1830 to its destruction by Union soldiers in 1865.
- ▶ Charles R. Isleib and Jack Chard. **The West Point Foundry & Parrott Gun: A Short History.** Purple Mt. Press (1060 Main St., Box 309, Fleischmanns, NY 12430), 2000. 38 pp., illus., \$10 ppd., paper. Concise history of the Cold Spring, NY, foundry and its most famous product, Robert Parrot's gun, renowned for range and accuracy during the Civil War.
- ▶ Ken Kobus, ed. **Steel: The Diary of a Furnace Worker. The Original 1922 Edition by Charles Rumford Walker.** Iron & Steel Society (186 Thorn Hill Road, Warrendale, PA 15086; 724-776-1535), 1999. 175 pp. A young man's first-hand impressions of working at the Jones & Laughlin Steel Co.'s Aliquippa Works. Operations of the blast furnace, open hearth, Bessemer converter. Difficult work conditions, ethnic prejudices, and the need for reform. Preface and afterword by Kobus place the diary in context.

TEXTILES

- ▶ Patricia Lowry. **Pittsburgh Wool Co.'s Factory: A Run for Posterity.** *Pittsburgh Post-Gazette.* Sunday, Jan. 9, 2000. SIA members Christopher Marston and Tom Behrens record America's last wool pulling factory for the Historic American Engineering Record. [See *SIAN* Fall 1999].
- ▶ **World Heritage Textile Industry Sites.** *TICCIH Bulletin 7* (Winter 1999), pp. 3-4. How sites of the textile industry might be assessed for inclusion on UNESCO's World Heritage List.
- ▶ Claudio Zanier. **The Valorisation of Silk Heritage in Italy. Building Viable Tourist Itineraries around Historical Uniqueness.** *Industrial Patrimony*, v. 2, pp. 9-14. Efforts to develop silk factories as tourist sites in Italy.

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With thanks

MISC. INDUSTRIES

- ▶ Stephen B. Adams and Orville R. Butler. **Manufacturing the Future: A History of Western Electric.** Cambridge Univ. Pr., 1999. 270 pp., illus. \$34.95. First full-length history of the Western Electric Co. Telegraphs, telephones, radios, and an early computing machine, demonstrate that vertical integration, after WE's acquisition by Bell Telephone in 1882, was a lengthy process rather than a single event; maturation of industrial psychology; civil rights in corporate America.
- ▶ Frederick Allen. **Rear Guard of the Information Revolution.** *I&T* (Fall 1999), pp. 6-7. Ko-Rec-Type Co. still makes fabric typewriter ribbons, old printer cartridges, carbon paper.
- ▶ Reginald Bennett. **The Mountains Look Down: A History of Chichester, A Company Town in the Catskills.** Purple Mt. Press (Box E3, Fleischmanns, NY 12430-0378; 914-254-4062; www.catskill.net/purple), 1999. 143 pp., \$18.50 ppd., paper. An anecdotal history by a resident of a self-contained Catskill furniture-making town, which thrived in the late-19th century and fell on increasingly hard times in the 20th century, until the whole place was auctioned in 1939. The technology of the mills and the broader web of personal, social, and economic factors.
- ▶ Wayne Cocroft. **Dangerous Energy: The Archaeology of Gunpowder and Military Explosives Manufacture.** English Heritage, 1999. Sites and monuments associated with the explosives industry in Britain. Includes gazetteer of 385 sites. Generously illustrated. Rev: IAN (Autumn 1999), p. 15.
- ▶ Catherine Greenman. **An Old Craft Learns New Tricks.** *New York Times*, Thurs., June 10, 1999, Circuits section, p. G1. Steinway & Sons is incorporating computer technology into its traditional piano crafting, primarily in drying and storage of the wood.
- ▶ Richard Hayman and Wendy Horton. **Broseley Pipeworks.** *IAR*, v. 21:1 (June 1999), pp. 25-39. The only surviving clay pipe manufactory in Britain.
- ▶ Charles Petrillo. **Albert Lewis: The Bear Creek Lumber and Ice King.** (Avail. from the author, 95 Miner St., Wilkes-Barre, PA 18702), 1998. 237 pp. \$14.95 paper. After lumber played out in the 1880s, Lewis of Bear Creek, PA, turned to shipping ice. Primarily of local interest, but a good case study of the ice industry in Pennsylvania. Rev: RH (Spring 1999), p. 163.

POWER GENERATION

- ▶ Charles V. Bagli. **In Manhattan, A Battle over Nine Acres w/Rvr Vu.** *New York Times.* Dec. 29, 1999, pp. A1, A22. Plans to demolish 1900 Con Ed Waterside Steam Plant.
- ▶ T. Lindsay Baker, ed. **Windmillers' Gazette.** Quarterly. Avail: Box 507, Rio Vista, TX 76093. Vol. 19, 2 (Spring 2000) includes *Windmills for Pumping Oil*; "Posed with the Windmill": *Windmills Used in Composition of Historic Photographs*; *Prefabricated Steel Towers for "Fairbury" Windmills.*
- ▶ Charles Bazerman. **The Languages of Edison's Electric Light.** MIT Press, 1999. 478 pp., illus. \$39.50. How Edison and his colleagues represented light and power to themselves and to others as the technology was transformed from an idea to a daily fact of life.

- Richard F. Hirsh. **Power Loss: The Origins of Deregulation and Restructure in the American Electric Utility Industry.** MIT Press, 1999. 448 pp., illus. \$50. Early 20th century efforts by utility companies to protect their industry from competition led to a regulated system. Unanticipated events beginning in the 1970s placed increasing pressure to deregulate.
- David Rhinelander. **This Inventor Knew Where the Wind Was Blowing.** *Hartford Courant*. Dec. 24, 1999. David Halladay of Coventry, CT, invents the self-governing windmill in 1854.
- Kathryn Young. **Wedded to Electricity.** *Ottawa Citizen*. Dec. 11, 1999. Friday Life Series. Impact of electricity on homes. Features Louise Trottier [SIA], Curator, National Museum of Science and Technology, Ottawa.

BUILDINGS & STRUCTURES

- Rowland J. Mainstone. **Structure in Architecture: History, Design and Innovation.** Ashgate, 1999. 436 pp., illus. Innovation in structural design with a focus on architecture prior to the Industrial Revolution.
- Anne Elizabeth Powell. **Back from the Brink,** *Civil Engineering* (Oct. 1999), pp. 52-57. Two-decade-long decision-making process that finally ended in the successful move of the Cape Hatteras Lighthouse in the summer of 1999. The engineering challenges of the move itself are also discussed.
- Richard White. **Gentlemen Engineers: The Careers of Frank and Walter Shanley.** Univ. of Toronto Pr., 1999. 280 pp. The working lives of two well-known 19th-c. Canadian civil engineers and businessmen, who finally completed the Hoosac Tunnel (1876).

WATER CONTROL & RECLAMATION

- Diane Galusha. **Liquid Assets: A History of New York City's Water System.** Purple Mt. Press (Box E3, Fleischmanns, NY 12430; 914-254-4062; www.catskill.net/purple), 1999. 303 pp., \$40.50 ppd., hardbound. Amazingly, the history of New York City's immense water supply system has never before been recounted in a full-length book. The social, economic, political, engineering, and technological history of this vast three-century, multibillion-dollar enterprise, whose branches reach out across lower NY State.
- Lance Helwig, et al. **Safe Passage.** Re-design of the fish bypass system at the Bonneville Dam on the Columbia River. Although the dam incorporated a fish ladder when it was built in 1938, many improvements have been made over the years, of which this is but the latest.
- Barbara Vilander. **Hoover Dam: The Photographs of Ben Glaha.** Univ. of Arizona Pr., 1999. 168 pp., photos, \$24.95. Glaha was the project photographer assigned to record every aspect of the construction of Hoover Dam. His photos were used to demonstrate the progress and financial viability of the project, but he also produced photos that were exhibited as works of art in galleries and museum. His work is placed within the context of western landscape art.

- Anna Wong. **Colonial Sanitation, Urban Planning and Social Reform in Sydney, New South Wales, 1788-1857.** *Australasian Historical Archaeology* v. 17, pp. 58-69. And, **"...the foul reality." An Archaeological and Historical Study of Colonial Drainage Systems.** M. A. Thesis, University of Sydney, 1997.

RAILROADS

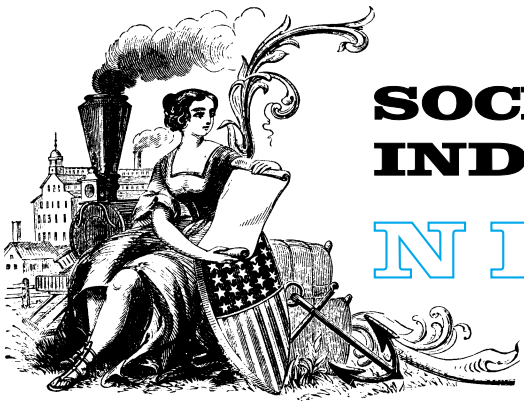
- George Drury. **Union Pacific Across Sherman Hill: Big Boys, Challengers, and Streamliners.** Kalmbach Pub., 1999. 128 pp., photos, map. Sherman Hill, WY, provides a fitting backdrop for a photo essay on monster steam locomotives.
- Robert A. LeMassena. **David Moffat's Double Dilemma.** *R&LHS Newsletter* (Spring 2000), pp. 3-5. The Denver, Northwestern & Pacific RR conquers the continental divide west of Denver with an unorthodox arrangement of curves and loops in its line, 1903-09.
- **Steeling a Ride.** *Lake Superior Magazine* (April/May 1999). Burlington Northern-Santa Fe ore dock operations in Superior, WI.
- Jeff Wilson. **F Units: The Diesels That Did It.** Kalmbach Pub., 1999. 128 pp., illus., photos. \$19.95. Photo essay on the diesel locomotives that ran steam engines out of operation between 1945 and 1960.

ABBREVIATIONS:

I&T	= American Heritage of Invention & Technology
IAN	= Industrial Archaeology News
IAR	= Industrial Archaeology Review (UK)
R&LHS	= Railway & Locomotive Historical Society
RH	= Railroad History
TICCIH	= The International Committee for the Conservation of the Industrial Heritage

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SOCIETY FOR INDUSTRIAL ARCHEOLOGY

NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 29, No. 2

Summer 2000

COMPILED BY

Mary Habstritt, *New York, NY*; and Patrick Harshbarger, *SIAN editor*.

GENERAL INTEREST

- ▶ David Barnett. **London, Hub of the Industrial Revolution: A Revisionary History, 1775-1825.** St. Martin's Press, 1998. 276 pp., tables. \$59.50. Argues that London, compared to Birmingham or Manchester, was a key contributor to industrialization by its wide range of business activity. Rev: *T&C* (Apr. 2000), p. 357.
- ▶ John K. Brown. **Design Plans, Working Drawings, National Styles: Engineering Practice in Great Britain and the U. S., 1775-1945.** *T&C* v. 41,2 (April 2000), pp. 195-238. Using a wealth of drawings, presents a compelling case for the primacy of culture in engineering practice. Engineering styles were production and profit driven in the U.S., and design and elegance driven in the U.K.
- ▶ John Crompton. **Industry in the National Museums of Scotland.** *IA News* 113 (Summer 2000), pp. 2-3. Industrial collections displayed in the new National Museums of Scotland, opened officially in Nov. 1999. Includes 1861 locomotive *Ellesmere*, textile machinery, exhibit paying homage to Robert Stevenson, lighthouse engineer.
- ▶ **Enterprise and Society: The International Journal of Business History.** Quarterly. Oxford Univ. Pr. (Journals Marketing, 2001 Evans Rd., Cary, NC 27513; 1-800-852-7323). \$55/yr. New journal, which succeeds the Business History Conference's *Business & Economic History*, features scholarly articles on the historical relations between businesses and their larger political, cultural, institutional, social, and economic contexts. March 2000 issue is a theme issue on *Flexibility in the "Age of Fordism."* Articles include Jonathan Zeitlin, *Reconciling Automation and Flexibility? Technology and Production in the Postwar British Motor Industry*; David Hounshell, *Automation, Transfer Machinery, and Mass Production in the U. S. Automobile Industry in the Post-World War II Era*; Eisuke Daito, *Automation and Production Organization of Japanese Automobile Manufacturers in the 1950s*; Michael Schwartz, *Markets, Networks, and the Rise of Chrysler in Old Detroit*. June 2000 issue includes Todd Postol, *Masculine Guidance: Boys, Men, and Newspapers, 1930-39*; Howell Harris, *The Rocky Road to Mass Production: Change and Continuity in the U. S. Foundry Industry*.
- ▶ Ronald R. Kline. **Consumers in the Country: Technology and Social Change in Rural America.** Johns Hopkins Univ. Pr., 2000. 336 pp., illus. \$39.95. Telephone, automobile, radio, and electric light transform life on family farms, 1900-1960.
- ▶ David Stradling. **Smokestacks and Progressives: Environmentalists, Engineers, and Air Quality in America, 1881-1951.** Johns Hopkins Univ. Pr., 1999. 282 pp., illus. \$42.50. Origins and impacts of the antismoke crusade of the early 20th century.

RAILROADS

- ▶ Steven G. Collins. **Progress and Slavery on the South's Railroads.** *RH*, v. 181 (Autumn 1999), pp. 6-25. Slave labor co-existed with the latest management tools as the antebellum South adopted railroad technology.
- ▶ Keith Falconer. **The Rolt Memorial Lecture 1998. Swindon—Brunel's Ugly Duckling.** *IA Review* v. 22,1 (2000), pp. 3-20. The Great Western Railway works (1842-55) at Swindon, England are underappreciated but perhaps the single most extensive surviving memorial to the genius of Brunel.
- ▶ Shawn M. Herne. **The Railroad Timekeeper.** The B&O RR Museum (901 W. Pratt St., Baltimore, MD 21223; (410) 539-2311), 1999. 32 pp., illus. \$7. Guide to railroad clocks in the museum collection. Includes overview history of railroad timekeeping, photos, and brief history of each clock.
- ▶ Randy Hess. **This Old Flat Car: Nuts & Bolts Sacramento Northern MW 32.** *Samuel Knight Chapter SIA Newsletter* 10 (June 2000), pp. 12-18. Restoration techniques, interpretation, and suggestions for future flat car projects.
- ▶ George W. Hilton. **The Ma & Pa: A History of the Maryland & Pennsylvania RR.** 2nd Ed. Revised. Johns Hopkins Univ. Pr., 2000. 248 pp., illus. \$17.95. Paperback edition includes new introduction and epilogue covering the line's final years of service.
- ▶ Aaron Isaacs. **Washington State.** *Railway Museum Quarterly* (Spring 2000), pp. 5-10. Informative review of railway museums in Washington including Yakima streetcars, Yakima Valley Rail & Steam Museum, Mount Ranier Scenic Railroad, and Northwest Railway Museum.
- ▶ **Railroad Heritage** is a new quarterly magazine of the Center for Railroad Photography and Art. It showcases historic and contemporary railroad photography and art including ephemera such as advertising, calendars, brochures, and engravings. The first issue (Spring 2000) includes Arthur H. Miller, *Photo Archives in the Donnelley Railroad Collection*; *Memorable Rail Photographs of the 20th Century* (images selected from the Center's traveling exhibit); Michael Zega, *PRR's Colonel Frank N. Barksdale, Inventor of the Limited Book* (limited trains advertised by illustrated booklets); *Storm Limits Exposure: Korling's Great Depression-Era Photo* (account



Notes From the President

Keeping the Industrial Past Alive

By Carol Poh Miller

On Saturday, June 3rd, at the SIA annual business meeting in Duluth, I took the reins from President Sandra Norman. It is gratifying if a bit overwhelming to stand at the helm of the Society for Industrial Archeology at this particular moment in time—at the start of a new century and as we, the North American forum for industrial archeology, stand poised to mark our 30th anniversary next year.

As a preservationist and historical consultant, I have long been high on the SIA, finding tremendous personal and professional value in its activities and publications, and special pleasure in the camaraderie of its diverse membership. On the rolls are architects, archeologists, engineers, museum specialists, planners, teachers, students, retirees, and many non-professionals for whom industrial archeology is an exciting avocation. Yet, while our present membership stands at 1,700—highest in SIA history—that number seems surprisingly small when one considers the seemingly exponential growth of interest in both historic preservation and heritage tourism.

As vice president, one of my duties was to oversee production of a new SIA membership brochure, a task I undertook with great

pleasure. Featuring a compelling image of Cleveland's historic Central Furnaces, together with selected process tours SIA has hosted over the years, the brochure represents a collaborative effort by the board of trustees. Through the wonder of e-mail we labored over the text and images until we were all comfortable that we'd gotten it right—succeeded in describing, in a nutshell, who we are and what we do.

So ... with the goals of breaking 2,000 and increasing the vitality and programs of the SIA, I invite each of you to help spread the word. Surely you have a friend, acquaintance, or family member who is interested in the physical survivals of our industrial and technological past—in understanding how things were (and are) made and how industry and technology have shaped our environment and our history.

Keep the industrial past alive—by recruiting a new member to join the SIA! For membership brochures, drop a postcard to SIAHQ at the address on page 1 of this newsletter. Or call 906-487-1889; or e-mail us at sia@mtu.edu.

I look forward to working with each you during the next two years to advance the cause of IA and, of course, to toasting SIA at 30 at next year's annual conference in Washington, D.C. ■

of taking a famous photo); *Diesel Styles & Styling*; Artist Gil Ried (painter of railroad subjects). The center is a nonprofit organization dedicated to educational programs that preserve and foster the visual art and record of the railroad industry. Exhibits, Web site, workshops, and archive. A \$40 annual gift includes magazine subscription. Info: Box 259330, Madison, WI 53725-9330; www.railphoto-art.org.

- **Railroad History: Millennium Special** (2000), published by the R&LHS, is an edition devoted to the diesel revolution. Most of the articles originated in an April 1999 symposium, "Railroad Revolution: How the Diesel Locomotive Changed America" at the Barringer Library at the Univ. of Missouri-St. Louis. Includes Maury Klein, *The Continued Neglect of the Diesel Locomotive: Why So Little Scholarly Attention?*; Mark Reutter, *The Revolutionary: Rudolf Diesel and the Theory That Shook the World*; Albert Churella, *Business Strategies and Diesel Development: Dueling Philosophies in the Erecting Halls*; Jeffrey Meikle, *Industrial Design Speeds Forward: Streamlining and the Revolution in Design*; John Gruber, *Symbol of Progress: Images of a Futuristic Age of Trains*; Wallace Abbey, *Railroads and the War: Steam and Diesel Roll Up Their Sleeves*; Robert Aldag, *Culture Clash: Diesel vs. Tradition*; Don L. Hofsommer, *Getting to Know Her: Three Railroads Learn to Like Diesel*; J. Parker Lamb, *Covered Wagons and Geeps: A Parade of First-generation Groulcers*; Colin Divall, *Learning from America? Technology Transfer is Not Automatic*; William Middleton, *Diesel Railcar: A Look Ahead*; James L. Larson, *Afterword: The Enduring Diesel: Will It Dominate the Next 50 Years?* Reading list of recent publications on dieselization.
- John White, Jr. **A Bunch of Dummies**. *RH*, v. 181 (Autumn 1999), pp. 61-78. A dummy is a steam locomotive boxed up to look like a passenger car. Explores the Victorian preoccupation with having things "look right."

- John White, Jr. **East Is West and West Is East: A Comparison of Two Mountain Railroads**. *I & T* (Summer 2000), pp. 22-26. The sleek and modern Manitou & Pikes Peak Rwy. and the rough-and-ready Mt. Washington Cog Rwy.
- Courtney B. Wilson. **Mt. Clare: The Birthplace of American Railroads**. B&O RR Museum (901 W. Pratt St., Baltimore, MD 21223; (410) 539-2311), 1999. 32 pp., illus. \$9. A timeline and survey of the B&O RR's Mt. Clare shops is a new guide for visitors to the museum.
- William Withuhn. **Risk and Real Cost of Electrification**. Wallace Abbey. **Why the Sante Fe Isn't Under Wires**. *RH*, v. 181 (Autumn 1999), pp. 79-102. Sante Fe, Union Pacific, and Conrail had major plans for electrifying their lines in the mid 1970s. Why three major railroads pulled the plug.

WATER TRANSPORTATION

- Eric Ash. **"A Perfect and an Absolute Work": Expertise, Authority, and the Rebuilding of Dover Harbor, 1579-1583**. *T&C*, v. 41,2 (April 2000), pp. 239-268. How does government decide who to trust with an expensive and confusing project? Expert mediators were vital even four centuries ago as they sorted out proposals to improve the harbor.
- John N. Jackson. **The Welland Canals and Their Communities: Engineering, Industrial, and Urban Transformation**. Univ. of Toronto Pr., 1997. 535 pp., illus., maps. \$70. The canal that bypassed Niagra Falls in 1829 and that has been enlarged four times since. A force for industrialization and urbanization of the Great Lakes region. Rev: *T&C* (Apr. 2000), p. 371.
- David A. Mendell. **War, Technology, and Experience aboard the USS Monitor**. Johns Hopkins Univ. Pr., 2000. 224 pp.,

illus. \$35 hc, \$14.95 pb. Examines the experience of men aboard the famous ironclad from the perspective of the thrills and dangers that accompanied the new machine.

AUTOMOBILES & HIGHWAYS

- ▶ Peter Genovese. **The Great American Road Trip: U.S. 1 Maine to Florida.** Rutgers Univ. Pr., 2000. 272 pp., illus. \$32. Roadside attractions and industries.
- ▶ John A. Jackle and Keith A. Sculle. **Fast Food: Roadside Restaurants in the Automobile Age.** Johns Hopkins Univ. Pr., 2000. 416 pp., illus. \$34.95. Origins, architecture, and commercial growth of roadside eateries.
- ▶ Michael P. McCarthy. **Baltimore's Highway Wars Revisited.** *Maryland Historical Magazine* v. 93,2 (Summer 1998), pp. 136-157. Late 1950s to 1960s highway location battles.
- ▶ Stephen McIntyre. **The Failure of Fordism: Reform of the Automobile Repair Industry, 1913-1940.** *T&C*, v. 41,2 (April 2000), pp. 269-299. The Ford Motor Co. tried to replicate assembly-line order in franchised repair shops, but dealers and mechanics resisted costly remedies designed at the home office.
- ▶ **Preserving the Historic Road in America Conference Proceedings.** CD-ROM presents over 60 papers addressing the identification, preservation, and management of historic roads. April 2000 conference held in Morristown, NJ. \$29 ppd. Avail: Karen VanGilder, Rural Heritage Program, National Trust for Historic Preservation, 1785 Massachusetts Ave., NW, Washington, DC 20036.
- ▶ Karl Raitz. **American Roads, Roadside America.** *Geographical Review* v. 88,3 (July 1998), pp. 363-387. Roadside vernacular architecture.

WATER CONTROL & RECLAMATION

- ▶ Tony Crosby and Shane Gould. **Surveying the Public Water Supply in Essex.** *IA News* 113 (Summer 2000), pp. 4-5. Ongoing program to document water towers, pumping stations, and treatment works in England.
- ▶ Martin V. Melosi. **The Sanitary City: Urban Infrastructure in America from Colonial Times to the Present.** Johns Hopkins Univ. Pr., 2000. 600 pp., illus. \$59.95. Comprehensive studies of water supply, wastewater, and solid-waste-disposal systems.

BUILDINGS & STRUCTURES

- ▶ John A. Martini. **Base End Stations.** *Samuel Knight Chapter SIA Newsletter* 10 (June 2000), pp. 8-11. Concrete bunkers that dot the California coastline served as the "eyes" for artillery batteries. They helped gunners calculate ranges to enemy ships. The earliest permanent stations date from 1908 and they continued to be built through 1945. Describes construction techniques and range-finding operations.
- ▶ Paula H. Simpson. **Cheap, Quick, and Easy: Imitative Architectural Materials, 1870-1930.** Univ. of Tenn. Pr., 1999. 215 pp., illus. \$39. The fabrication, distribution, and marketing of building materials that attempted to look like traditional natural materials. Concrete block, sheet metal, "tin" ceilings, linoleum, imitation plasters, embossed wall and ceiling coverings (Lincrusta-Walton and Anaglypta), and artificial marble and stone. Rev: *T&C* (Apr. 2000), p. 396.

- ▶ Sara E. Wermiel. **The Fireproof Building: Technology and Public Safety in the 19th-century American City.** Johns Hopkins Univ. Pr., 2000. 328 pp., illus. \$39.95. From the first American attempts to fireproof in the 1790s to the steel and concrete high-rises of the early 20th century. When and why the materials of fireproof construction, including structural iron and hollow tile, came into use. Impact of building laws on the development of technology.

BRIDGES

- ▶ **King Bridge Co. Web Site.** www.kingbridgeco.com. Info on history of King Bridge Co. of Cleveland and location of extant company bridges.
- ▶ Gerald M. Kuncio. **Golden Age in the City of Bridges.** *Western Pennsylvania History* (Summer 1999), v. 82, 2, pp. 58-73. The building of Pittsburgh's great river bridges, 1924-1940.
- ▶ Paul Mariani. **The Water Under the Bridge.** *Preservation* (May/June 2000), pp. 24-31. Poet Hart Crane's fascination with the Brooklyn Bridge.
- ▶ William D. Middleton. **Monuments of the Ohio.** *Trains* v. 60,4 (April 2000), pp. 58-65. Building Ohio River railroad bridges at Metropolis, IL, designed by Gustav Lindenthal, and Sciotoville, OH, designed by Ralph Modjeski.
- ▶ David A. Simmons. **A Lowell Perspective.** *Timeline* (July/Aug. 2000), pp. 52-54. 1884 photo offers clues to the ill-fated history of bridge building over the Muskingum River at Lowell, OH.
- ▶ **Spans in Time: A History of Nebraska Bridges.** Nebraska State Historical Society & Nebraska Dept. of Roads, c. 1999. 112 pp., illus. \$25.95 ppd. Avail: Museum Store, Nebraska State Historical Society, Box 82554, Lincoln, NE 68501-2554; 1-800-833-6747.

MINES & MINING

- ▶ Brian Black. **Petrolia: The Landscape of America's First Oil Boom.** Johns Hopkins Univ. Pr., 2000. 248 pp., photos. \$42.50. The boomtown mentality justifies laying waste to the environment for "the common good."
- ▶ Roger Burt. **Innovation or Imitation? Technological Dependency in the American Nonferrous Mining Industry.**

CONTRIBUTORS TO THIS ISSUE

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With thanks

T&C, v. 41,2 (April 2000), pp. 321-347. Ranges broadly over gold, silver, copper, zinc, lead mining to argue that American industry showed exceptional tardiness in creating or adopting innovations during the late 19th century.

- ▶ Paul Cloyd. **The Doodlebug of Fairplay, Colorado.** *TICCIH Bulletin* (Spring 2000) pp. 5-6. History of and efforts to preserve the 1941 dragline gold dredge.
- ▶ Rosalie L'Ecuyer. **Prospecting and Mining Activity in the Rampart, Manly Hot Springs and Fort Gibbon Mining Districts of Alaska, 1894 to the Present Era.** BLM-Alaska Open File Report 61.
- ▶ Jeremy Mouat. **Metal Mining in Canada, 1840-1950.** National Museum of Science and Technology (Box 9724, Station T, Ottawa, Ont. Canada K1G 5A3), 2000. Transformation Series 9. 125 pp., illus. \$20 US.
- ▶ Neville Ritchie and Ray Hooker. **An Archaeologist's Guide to Mining Terminology.** *Australasian Historical Archaeology* v. 15 (1997), pp. 3-29.
- ▶ Tom Zoellner. **Uranium Rush.** *I & T* (Summer 2000), pp. 56-63. Prospecting for uranium on the Colorado Plateau in the 1940s and 1950s.

IRON & STEEL

- ▶ Captions for Photos in **Blast Furnaces** by Bernd & Hilla Becher (1990). In spite of the Becher's artistic intent to have the stunning blast furnace photos speak for themselves as images, John Teichmoeller and Michael Rabbit, in conjunction with members of the Railroad Industry Special Interest Group, have compiled detailed captions to the photos of North American blast furnaces in the Becher's 1990 book. The material is now available for viewing and output at the RRISIG's Web site: trak.to/rrisig.
- ▶ Julio M. Vidal Encinas. **The San Blas Ironworks in Sabero, Leon: The First Coke Furnace in Spain.** *TICCIH Bulletin* (Spring 2000), pp. 3-4. Results of archeological investigation of 1846 furnace.
- ▶ Benjamin Grillot. **Faces of Steel.** Digital exhibit features New Deal-era photographs of the people and history of the Acklin Stamping Plant, Toledo, OH. From Ward M. Canaday Center for Special Collections of the Univ. of Toledo Library. www.cl.utoledo.edu/canaday/acklin/index.html.
- ▶ Judith Scheffler. **"... there was difficulty and danger on every side": The Family and Business Leadership of Rebecca Lukens.** *Pennsylvania History* (Summer 1999). The problems faced by Lukens as she operated the ironworks that later became Lukens Steel. Despite opposition from her family, she took over the business after her husband died in 1825.

TEXTILES

- ▶ Lynn Zacek Bassett. **Cooperative Quilting in New England, 1750-1850;** and, Elizabeth Engel. **Braided Rugs: A Surprising Forum for Progressive Reform.** In *ALHFAM Bulletin* (Spring 2000), pp. 4-8. Research on traditional textile handcrafts turns up some unexpected interpretations of special use at living history sites.
- ▶ Susannah Handley. **Nylon: The Story of a Fashion Revolution.** Johns Hopkins Univ. Pr., 2000. 192 pp., photos. \$29.95. Nylon debuted at the 1939 NY World's Fair. Synthetics in fashion, chemical innovation, and national pride following the deprivations of WW II.

- ▶ John Kifner. **Museum Brings Town Back to Life: Converted Factory Is Economic Catalyst for Massachusetts City.** *NY Times*, May 30, 2000, p. A-14. Sprague factory complex in North Adams is adaptively reused to showcase large modern artworks. The project was opposed as a \$35 million boondoggle when conceived and financed in the early 1990s, but it has turned the dying industrial city around with more than 130,000 visitors during its first year of full operation.
- ▶ Luca Mola. **The Silk Industry of Renaissance Venice.** Johns Hopkins Univ. Pr., 2000. 480 pp., illus. \$48 hc. Innovations Venetians made in manufacturing and marketing to advance the silk industry. Rapidly changing fashions created jobs for craftsmen, weavers, and merchants.
- ▶ Geoffrey Timmins. **Housing Quality in Rural Textile Colonies, c. 1800-c.1850: The Ashworth Settlements Revisited.** *IA Review* v. 22,1 (2000), pp. 21-37. Archeology at Ashworth Brothers, cotton spinners near Bolton, England, suggests an overstated reputation for the quality of the housing provided to workers.

AGRICULTURE & FOOD PROCESSING

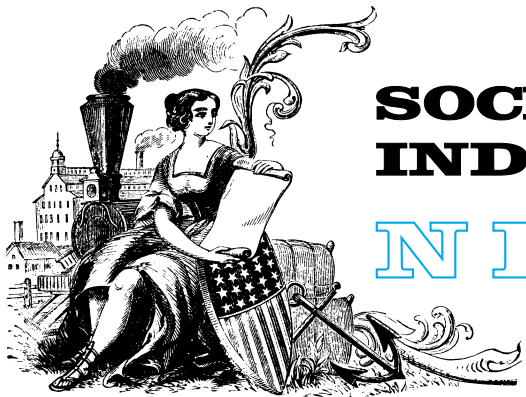
- ▶ Tony Crosby. **The Development of Malshouses around the Hertfordshire-Essex Border.** *IA Review* v. 22,1 (2000), pp. 39-51. Changes in malshouse design and architecture brought about by changes in the brewing industry, transportation, and sources of equipment, building materials, and fuel from 17th to 19th c.
- ▶ David Vaught. **Cultivating California: Growers, Specialty Crops, and Labor, 1875-1920.** Johns Hopkins Univ. Pr., 1999. 240 pp., maps, fig. \$38. Case studies of raisins in Fresno County, tree fruit in Placer County, and almonds in Yolo County.

ABBREVIATIONS:

ALHFAM	= Assoc. for Living History, Farm and Agricultural Museums
I&T	= American Heritage of Invention & Technology
IA News	= Industrial Archaeology News (UK)
IA Review	= Industrial Archaeology Review (UK)
MHR	= Material History Review (CAN)
R&LHS	= Railway & Locomotive Historical Society
T&C	= Technology & Culture: Quarterly of the Society for the History of Technology
TICCIH	= The International Committee for the Conservation of the Industrial Heritage

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We endeavor to make citations as complete as possible, but they are from a variety of sources, and are sometimes incomplete. If a date, publisher, price, or other statistic is missing, it simply means that it was unavailable, and, unfortunately, we do not have the time to track down these missing bits. The SIA, unless otherwise noted, is not a source for any of the cited works. Readers are encouraged to use their library, bookstore, computer, or school for assistance with locating books or articles.



SOCIETY FOR INDUSTRIAL ARCHEOLOGY NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 29, Nos. 3-4

Fall 2000

COMPILED BY

Mary Habstritt, New York, NY; and Patrick Harshbarger, SIAN editor.

GENERAL INTEREST

- Frederick Allen. **Technology at the End of the Century.** *I&T* (Winter 2000), pp. 10-16. Compares 1899 with 1999 to draw lessons about technological change, and to refute common perception that the "information age" is more chaotic than the "industrial age."
- Torsten Berg and Peter Berg, eds. **R. R. Angerstein's Illustrated Travel Diary, 1753-1755: Industry in England and Wales from a Swedish Perspective.** National Museum of Science and Industry (Avail: Gazelle Book Services, Falcon House, Queen Sq., Lancaster, LA1 1RN, U.K.; www.gazellebooks.co.uk), 2000. 43 pp., illus., £34.95. Angerstein was an industrial spy who traveled through Europe in the 1750s supported by the Swedish government, gathering information about trades and emerging technology. The diary of his trip to Britain is extraordinary for its quality of observation and insight, its comparative nature, and the large number of detailed illustrations. Coal, tin and copper mines, porcelain factories, iron foundries, smithies and workshops, rolling and slitting mills, chemical factories, waterworks, etc. This is the first published English-language translation.
- R. John Brockman. **From Millwrights to Shipwrights to the Twenty-First Century.** Hampton Press, 1998. 464 pp., illus. Eclectic exploration of how technical manuals and communication, from Oliver Evans' automated flour mill to modern computer technology, have changed over time. Rev: *T&C* (Oct. 1999), p. 879.
- **Copperopolis: Landscapes of the Early Industrial Period in Swansea.** Royal Commission on the Ancient and Historical Monuments of Wales (Plas Crug, Aberystwyth, Ceredigion, Wales SY23 1NJ, UK), 2000. 400 pp., illus., £32. Swansea was the first major industrial region in Wales, and its preeminence as an international center of copper smelting at the end of the 18th c. earned it the title of Copperopolis.
- Neil Cossons, ed. **Perspectives on Industrial Archaeology.** National Museum of Science and Industry (Avail: Gazelle Book Services, Falcon House, Queen Sq., Lancaster, LA1 1RN, U.K.; www.gazellebooks.co.uk), 2000. 176 pp., illus., £19.95. Essays on the development of industrial archeology in Great Britain since the 1950s. Publication coincides with the 2000 TICCIIH conference.
- Eric DeLony. **Bibliographic Essay, 30 Years Documenting Engineering & Industrial Heritage through HAER Publications.** *IP* v.3 (2000), pp. 29-34.
- Robert Gordon and Michael Raber. **Industrial Heritage in Northwest Connecticut: A Guide to History and Archaeology.** Connecticut Academy of Arts and Sciences (Box 208211, New Haven, CT 06520; (202) 432-3113; www.yale.edu/caas/), 2000. 220 pp., \$39. Six tour routes and detailed maps.
- Mary Mills. **Greenwich Marsh: The 300 Years Before the Dome.** 2000. 240 pp., illus., maps. Industrial and natural history of the Greenwich, England, peninsula includes iron & steel, ships, gunpowder, tide mill, steam engines, largest gasholder in the world. Avail: M. Wright, 24 Humber Rd., London, SE3 7LT, U.K.
- **The Public Historian: Special Issue on New Perspectives on Industrial History Museums.** v. 22, 3 (2000). Nine essays, several delivered at a 1998 Lehigh Univ. conference. Avail: Univ. of California Press, (510) 642-6188.
- **Ruins of Detroit.** Web site has information on Detroit IA sites. www.bhere.com/ruins/toc.htm#industrial.
- **Science and Technology Museums in Central Europe.** *T&C* v. 41,3 (July 2000), pp. 516-536. A review of museums and exhibits in Munich, Berlin, Vienna, Prague, and places in-between.

CHEMICALS

- **The DuPonts in Delaware: 200 Years.** *Wilmington (DE) News Journal*, June 18-19, 2000. Two 8-page, pull-out sections celebrate the history of the family that established the famous blackpowder works on the Brandywine River (now Hagley Museum & Library) and went on to be leaders of the chemical industry.
- Robert Fox and Agusti Nieto-Galan, eds. **Natural Dyestuffs and Industrial Culture in Europe, 1750-1880.** Watson Pub., 1999. 354 pp., illus. \$49.95. Papers from 1996 conference on The Evolution of Chemistry in Europe explore chemistry, geography, manufacturing, and use of dyestuffs. Rev: *T&C* (Apr. 2000), p. 360.
- Anne Cooper Funderburg. **Making Teflon Stick.** *I&T* (Summer 2000), pp. 10-20. General Motors researchers discovered Teflon by accident and teamed with DuPont to develop it in the 1930s. Significant obstacles had to be overcome to produce and market Teflon successfully.
- Dorothy Hosler, Sandra L. Burkett, and Michael J. Tarkanian. **Prehistoric Polymers: Rubber Processing in Ancient Mesoamerica.** *Science* (June 18, 1999), v. 284, pp. 1988-

1990. Ancient peoples harvested latex, processed it using liquid extracted from a species of morning glory vine, and fashioned rubber balls, figurines, and other artifacts.

- Arnold Thackray and Minor Myers, Jr. **Arnold O. Beckman: One Hundred Years of Excellence.** Chemical Heritage Foundation (1-888-224-6006, ext. 2222), 2000. 379 pp., illus., \$65 includes CD-ROM video. The blacksmith's son who played a pivotal role in the development of scientific instruments for the chemical and biomedical industries. In 1934, he created the first of his inventions, the pH meter.

MISC. INDUSTRIES

- Frederick Allen. **The Oldest Business in America.** *I&T* (Winter 2000), p. 6. Avedis Zildjian Co. of Norwell, MA. Cymbal maker traces origins to 17th c. Turkey.
- Christina Bates. **Wearing Two Hats: An Interdisciplinary Approach to the Millinery Trade in Ontario, 1850-1930.** *MHR* 51 (Spring 2000), pp. 16-25. A collection of 500 hats from a Sarnia millinery shop provides documentation for the industry in the 1920s and 1930s.
- Regina L. Blaszczyk. **Imagining Consumers: Design and Innovation from Wedgwood to Corning.** Johns Hopkins Univ. Pr., 2000. 368 pp., illus. \$39.95. Trials and tribulations of china and glassware producers in their contest for the hearts of working- and middle-class women, who made up more than 80 percent of those buying mass-produced goods by the 1920s.
- Bruce Epperson. **Failed Colossus: Strategic Error at the Pope Manufacturing Co., 1878-1900.** *T&C*, v. 41,2 (April 2000), pp. 300-320. Early bicycle manufacturer rode the wave of success with innovative armory production technology and aggressive patent and market strategies, then foundered when bicycle mfr. was standardized and failed upon entering the automobile market.
- David Gwyn. **Power Systems in Four Gwynedd Slate Quarries.** *IAR* 21,2 (1999), pp. 83-100. Slate industry of NW Wales dominated world production of roofing slates in the 19th c. Power sources were a blend of water and steam.
- Robert H. Lochte. **Going Wireless in 1880.** *I&T* (Summer 2000), pp. 28-35. Alexander Graham Bell's attempts to develop a photophone, a wireless telephone that used sound to modulate a beam of light.
- Michael Trueman. **Lime Kilns—Modelling Their Technological Development.** *IA News* (Spring 2000), pp. 4-5. A typology for lime kilns based on mixed-feed, separate feed, intermittent, and continuous processes.
- Curt Wohleber. **The Can Opener.** *I&T* (Summer 2000), pp. 6-7. Technological evolution of the can opener.
- Andrew Dow. **Norfolk & Western Coal Cars, 1881-1998.** TLC Press (Lynchburg, VA), 1998. 248 pp., illus. Study of the evolution of coal-car technology on a premiere coal-hauling railroad. Rev: *RH* (Autumn 1999), p. 142.
- Keith Falconer. **Swindon's Head of Steam: The Regeneration of the GWR's Works.** *IP* v.3 (2000), pp. 21-28. Opening a new railway museum at Great Western Railway former main engineering works at Swindon, U.K.
- Jim Harter. **American Railroads of the 19th Century: A Pictorial History in Victorian Wood Engravings.** Texas Tech Univ. Pr., 1998. 320 pp. Sourcebook for images of railroads before the time that photographs could be readily reproduced in publications. Rev: *RH* (Autumn 1999), p. 139.
- Edward S. Kaminski. **American Car & Foundry Co., 1899-1999.** Signature Pr. (Wilton, CA), 1999. 362 pp., photos. Photo album celebrates the company's centenary. Introductory essays trace the evolution of car-building technology. Rev: *RH* (Spring 2000), p. 117.
- Robert A. Le Massena. **Design-It-Yourself Locomotive.** *RH* (Spring 2000), pp. 22-57. illus. Railroad companies avoided standardization of the 4-8-4 locomotive, resulting in an extraordinary number of variations in the first half of the 20th c.
- Larry Lowenthal. **Titanic Railroad: The Southern New England.** Marker Press (Brimfield, MA), 1998. 254 pp., photos, maps. Documents railroad grade and solitary bridge abutments of the Southern New England RR from Palmer, MA, to Providence, RI. Construction began in 1912 but stopped shortly after Charles Hays, the railroad's champion, died on the *Titanic*. Places the line, never completed, in political and economic context of the time. Rev: *RH* (Spring 2000), p. 107.
- Scott R. Nelson. **Iron Confederacies: Southern Railways, Klan Violence, and Reconstruction.** UNC Press, 1999. 257 pp. Rebuilding, financing, and managing the South's railroads after the Civil War includes some surprising conclusions about deals made with Klansmen and former Confederates. Rev: *RH* (Spring 2000), p. 97.
- Edward J. Pershey and Christopher J. Dawson. **Fast Train Through the Cornbelt.** *Timeline* (Sept./Oct. 2000), pp. 48-53. NY Central mounts jet engine on railroad locomotive to set an American speed record of 183.85 mph in 1966.
- David A. Pfeiffer. **Commuter & Light Rail Station Photographs.** *R&LHSN* v. 20,3 (Summer 2000), pp. 10-11. Info on a National Archives collection of 3,500 images taken by USDOT in 1979 to document handicapped accessibility at metropolitan stations. Includes uncommon interior views of ticket windows, restrooms, waiting areas, stairs, and exits.
- J. W. Swanberg. **Vanishing Triangles.** *RH* (Spring 2000), pp. 84-87. illus. Triangular-shaped catenary (electrified wires) over four-track main line of New Haven RR near Stamford, CT. Placed in 1908, it may be the oldest high-voltage catenary still in existence from the early period of railroad electrification in the Northeast. It is scheduled for replacement, but the railroad is being encouraged to preserve a representative segment.
- Wilma Ruth Taylor and Norman Thomas Taylor. **This Train Is Bound for Glory: The Story of America's Chapel Cars.** Judson Pr. (Valley Forge, PA), 1999. 382 pp. Church missions on rails. Authors are restoring the last Baptist chapel car.

RAILROADS

- Michael M. Bartels. **Rock Island Town.** South Platte Pr. (David City, NE), 1999. 80 pp. Fairbury, NE, headquarter's of the Rock Island RR's Western Division. Chronicles slow decline to final abandonment. Recent efforts to restore the passenger station as a museum and community center. Rev: *RH* (Spring 2000), p. 105.

- Bob Withers. **When the B&O Ruled Wheeling.** *Classic Trains* (Fall 2000), pp. 23-31. Passenger service to a WV city in the 1950s.

AUTOMOBILES & HIGHWAYS

- Kevin Borg. **The "Chauffeur Problem" in the Early Auto Era.** *T&C* (Oct. 1999), pp. 797-832. New technology gasoline and steam-powered touring cars created problems for wealthy motorists whose chauffeurs exhibited brazen disregard for social decorum, borrowed cars for joyrides, and extorted commissions and kickbacks from garage owners, 1903-1912.
- Robert W. Hadlow. **The Columbia River Highway: America's First Scenic Road.** *SCA Journal* (Spring 2000), pp. 14-25.
- David A. Kirsch. **The Electric Vehicle and the Burden of History.** Rutgers Univ. Pr., 2000. Historical development of electric vehicles with relevance to today's efforts to revive the technology.
- Jill Livingston, et. al. **That Ribbon of Highway: Highway 99.** Living Gold Press (Klamath, CA), 1999. 2 vols., illus., maps, biblio. Guide to history and sights of US 99 in California, Oregon, and Washington. Rev: *SCA Journal* (Spring 2000), p. 34.
- Christian W. Overland. **Celebrating Detroit: Assembling an Automobile National Heritage Area.** *SCA Journal* (Fall 1999), pp. 10-17. Up to \$1 million per year for ten years is available in federal matching funds to interpret and preserve automobile-related heritage in southern Michigan.
- Leonard S. Reich. **The Dawn of the Truck.** *I&T* (Fall 2000), pp. 18-25. Trucks caught on much more slowly than cars, partly because of the expense, partly because horses did a good job, and partly because people had to figure out what trucks could do.
- Steven L. Thompson. **The Arts of the Motorcycle.** *T&C* (Jan. 2000), pp. 99-115. Review essay of 1998 Guggenheim Museum exhibit that displayed over 100 motorcycles as *objets d'art*. Offers reasons to examine the role of art and aesthetics in technology.
- Zachary M. Schrag. **"The Bus Is Young and Honest": Transportation Politics, Technical Choice, and the Motorization of Manhattan Surface Transit, 1919-1936.** *T&C* (Jan. 2000), pp. 51-79. Street railways replaced by buses not for technological advantages but a desire to escape tradition, custom, and regulation fettering the street railways.

JOB ANNOUNCEMENTS

HAER 2001 Summer Employment. The Historic American Buildings Survey/Historic American Engineering Record (HABS/HAER), a division of the National Park Service, seeks applications from qualified individuals for summer employment documenting historic sites and structures of architectural and technological significance. Duties involve on-site field work and preparation of historical reports and measured and interpretive drawings for the HABS/HAER Collection at the Prints and Photographs Division of the Library of Congress. Projects last twelve weeks, beginning in May or June. Salaries range from entry level positions at \$4,500 to more senior positions at approximately \$8,500 for the summer, depending on job responsibility, location of the project, and level of experience. Applicants for positions as architects, landscape architects, historians, engineers, illustrators, industrial designers, and industrial archeologists must submit the following:

- A résumé and/or U.S. Government Standard Form OF-612 (You DO NOT have to specify whether you wish to work for HABS or HAER.)
- Supplemental Qualifications Statement (OPM Form 1170) or college transcript
- Letter of recommendation from a faculty member or employer familiar with your work
- Appropriate work samples (copies of portfolios, articles, class papers, etc.)
- CAD Background and Experience Inquiry Form (for Architects and Architecture Technicians to be considered for CAD-based projects)

Applicants who have worked for HABS/HAER since Summer 1995 need submit only complete, current forms OF-612, OPM-1170, or current resume, and SF-50 (Notification of Personnel Action). Forms OF-612 and OPM-1170 are available at Federal

office buildings, many employment agencies, campus job placement centers, and from HABS/HAER at the following address. *Submit application materials to:* Summer Program Administrator, National Park Service, HABS/HAER Division, 1849 "C" St., N.W., Room NC300, Washington, DC 20240.

For more information: (202) 343-9626/9618; e-mail: robbyn_brooks@nps.gov. Applications must be postmarked by February 15, 2001. Positions are open only to U.S. citizens. Successful candidates will be notified by telephone between late April and early May 2001. Please provide a telephone number and, if possible, e-mail address, for that time period. For more information and to download application forms, visit the HABS/HAER Web site: www.cr.nps.gov/habshaer/joco/summer-jobs.htm.

Michigan Technological University invites applications for a tenure-track assistant or associate professor in industrial or historical archeology. Appointment begins August 2001. Includes teaching at the undergraduate level and in the masters program in industrial archeology. The masters program emphasizes field-based learning and archeological science in the comparative study of 19th- and 20th-century industrial sites and communities. Upper Michigan's historic mining locations and extractive industries provide a rich base for local resources and research. Candidate should demonstrate an active research record combined with excellent teaching skills; geographical area(s) of specialty open. Ph.D. required; competitive salary and benefits. Review of applications begins on Dec. 15, 2000 and will continue until the position is filled. Send letter of application, c.v., and sample of scholarly work, and letters from three references to Dr. S. R. Martin, Chair, IA Search Committee, Dept. of Social Sciences, MTU, Houghton, MI 49931. Program description at www.social.mtu.edu/IA/iahm.html. MTU is an Equal Opportunity Educational Institution/Equal Opportunity Employer. ■

AVIATION

- ▶ **American Aviation, the Early Years** is a theme issue of CRM: *Cultural Resource Management*, v. 23,2 (2000), published by the National Park Service. Included are Jody Cook and Ann Deines, *Cultural Resources, People, and Places of Aviation's Early Years*; Tom D. Crouch, *Flight in America, 1784-1919*; Darrell Collins and Ann Deines, *Counting Down to the Centennial of Flight*; Marla McEnany, *From Pasture to Runway, Managing the Huffman Prairie Flying Field*; Tom D. Crouch, *Octave Chanute, Aeronautical Pioneer*; Jeanne Palermo, *Restoration, Preservation, and Conservation of the 1905 Wright Flyer III*; Paul R. Green, *Preserving Aviation Heritage Resources in the U.S. Air Force*; Jody Cook, *A Place Called Langley Field: National Significance in American Military and Civil Aviation*; Suzanne P. Allan, *Rehabilitating Building 661 at Langley Air Force Base*.
- ▶ Howard A. Mansfield. **Becoming a Birdman: The Wright School of Aviation.** *Timeline* (July/Aug. 2000), pp. 2-13. The Wright brothers teach aspiring aviators at their Dayton school beginning in 1910.
- ▶ Dennis Parks. **Early Douglas Aircraft Drawings at the Museum of Flight.** *Annotation* (March 2000), pp. 7,11. Recently discovered 1920s design drawings by Donald Douglas at the Museum of Flight, Seattle.

POWER GENERATION

- ▶ T. Lindsay Baker, ed. **Windmillers' Gazette.** Quarterly. Avail. Box 507, Rio Vista, TX 76093. Dedicated to the preservation of America's wind-power history and heritage. Vol. 19, 1 (Winter 2000) includes *The Stars Still Shine: The Legal Battle over the Star Windmill Trademark and A Product History of the Red Star and Red Cross Windmills*. Vol. 19, 3 (Summer 2000) includes *Hard Times and Hard Feelings: The Untold Story of the Early Eclipse Windmills*.

BRIDGES

- ▶ Eric DeLony. **Tom Paine's Bridge.** *I&T* (Spring 2000), pp. 38-45. In addition to his famous political writings, Tom Paine designed, patented, and modeled a long-span iron bridge. Although his engineering was doubtful, he spread the word about an engineering revolution in the making.
- ▶ Emory Kemp. **The Wheeling Suspension Bridge, the 150th Anniversary.** *IP* v.3 (2000), pp. 67-70.

BUILDINGS & STRUCTURES

- ▶ John S. Allen. **A History of Horseley, Tipton: 200 Years of Engineering Progress.** Landmark Publishing (Waterloo House, 12 Compton, Ashbourne, Derbyshire DE6 1DA, U.K.; landmark@clara.net), 2000. 176 pp. £17.95. Commencing coal mining at Tipton at the end of the 18th c., the Horseley Co. developed into an important engineering and structural iron-work company, whose output included cast-iron bridges and buildings, locomotives, steamboats, steel pipes, and gasholders.
- ▶ Betsy Hunter Bradley. **The Works: The Industrial Architecture of the U.S.** Oxford Univ. Pr., 1999. 347 pp., illus. Development of factory architecture and engineering from 1840 to 1940. Covers, in detail, such topics as factory roofs, walls, windows. Rev: T&C (July 2000), pp. 591-3.

- ▶ Nathan Caldwell and Nancy Thomas. **Volunteers Re-Light Kilauea Point Lighthouse.** CRM, v. 22, 9 (1999), pp. 7-8. Efforts to preserve the 1913 lighthouse on Hawaii's Kauai.
- ▶ Candace Clifford. **Moving Lighthouses.** CRM, v. 22,9 (1999), pp. 36-40. Lighthouses have a long history of being moved culminating in the recent attention given to the Cape Hatteras project.
- ▶ Fitzgerald & Halliday, Inc. and Historical Perspectives, Inc. **Fort Trumbull: Ramparts, Subs and Sonar.** New London Development Corp. (Avail: Connecticut Historical Commission, 59 S. Prospect St., Hartford, CT 06106; 806-555-3005; davepoirier@gyral.com), 2000. Fort Trumbull guarded Connecticut's Thames River from the American Revolution to the Cold War. The fort housed the U. S. Navy's underwater sound lab.
- ▶ Linda E. Smeins. **Building an American Identity: Pattern Book Homes & Communities.** Altamira Press, 1999. 355 pp. biblio., \$24.95. Pattern book homes appeared in hundreds of Victorian-era journals and influenced the development of suburbs. Rev: VAN (Fall 2000), pp. 31-34.
- ▶ Ronald Stenvert. **Textile Mills for Twente: The Case of Beltman versus Stott.** IAR 21,2 (1999), pp. 101-116. Influence of Lancashire, England, textile mill architects on Dutch mill architecture. ■

ABBREVIATIONS:

CRM	= Cultural Resources Management, published by the National Park Service
IA News	= Industrial Archaeology News (UK)
IAR	= Industrial Archaeology Review (UK)
I&T	= American Heritage of Invention & Technology
IP	= Industrial Patrimony (FRA), Journal of the Int'l Committee for the Conservation of the Industrial Heritage (TICCIH)
MHR	= Material History Review (CAN)
R&LHSN	= Railway & Locomotive Historical Society Newsletter
RH	= Railroad History
SCA	= Society for Commercial Archeology Journal
T&C	= Technology & Culture: Quarterly of the Society for the History of Technology
VAN	= Vernacular Architecture Newsletter

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We endeavor to make citations as complete as possible, but they are from a variety of sources, and are sometimes incomplete. If a date, publisher, price, or other statistic is missing, it simply means that it was unavailable, and, unfortunately, we do not have the time to track down these missing bits. The SIA, unless otherwise noted, is not a source for any of the cited works. Readers are encouraged to use their library, bookstore, computer, or school for assistance with locating books or articles.



SOCIETY FOR INDUSTRIAL ARCHEOLOGY

NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 30, No.1

Winter 2001

COMPILED BY

Mary Habstritt, New York, NY; and Patrick Harshbarger, SIAN editor.

GENERAL INTEREST

- ▶ Robert Carr. **Industrial Archaeology and Conservation of London.** *TICCIH Bulletin* (Summer 2000), pp. 3-4. Brief review of sites of interest.
- ▶ Henry Glassie. **Material Culture.** Indiana Univ. Pr, 1999. 413 pp., illus. \$29.95. Distinguished folklorist explores technology in broad cultural context with series of essays. Case studies of pottery, carpet repair, and vernacular building technology. Rev: *T&C* (Oct. 2000), p. 791.
- ▶ Vicki Goldberg. **Lewis W. Hine: Children at Work.** Prestel, 1999. 104 pp., photos. \$39.95. As an investigative photographer for the National Child Labor Committee, Lewis Hine documented children working in mines, mills, fish canneries, factories, and on the streets from 1906 to 1918. His purpose was to use his photos to create social change. This book contains over 90 of his finest works.
- ▶ Richard Hayman, Wendy Horton, and Shelly White. **Archaeology and Conservation in Ironbridge.** Council for British Archaeology (Bowes Morrell House, 111 Walmgate, York, YO1 9WA, U.K.; www.britarch.ac.uk), 2000. 220 pp., illus. £24. Recent repair projects at the Ironbridge Gorge, site of first coke smelting of iron ore in 1709, and first significant cast-iron bridge in 1779. Attempts to understand and reassess the individual sites within the gorge as integrated elements of a historically complex industrial landscape.
- ▶ Antonella Marciano. **International Meeting on Industrial Heritage: Preservation and Development.** *TICCIH Bulletin* (Summer 2000), pp. 5-6. Report on Apr. 2000 meeting in Naples, Italy.
- ▶ Robina McNeil and Michael Nevell. **A Guide to the Industrial Archaeology of Greater Manchester.** Assn. for Industrial Archaeology (Avail: AIA Office, c/o School of Archaeological Studies, University of Leicester, LE1 7RH, U.K.). 72 pp., illus., maps. Gazetteer of museums and industrial sites published to mark AIA's 2000 conference.
- ▶ David Poirier and Kenneth L. Feder, eds. **Dangerous Places: Health, Safety, and Archaeology.** Greenwood Pr. (1-800-225-5800), 2000. 264 pp. \$65. Hazards of field work at sites with possible industrial, chemical, and biological threats. Case studies and reasonable precautions. Includes: John F. Konefes and Michael K. McGee, *America's Colonial and Industrial Legacy: Old Cemeteries, Arsenic, and Health Safety*; Allen W. Hatheway, *Former Manufactured Gas Plants and Other Coal-Tar Industrial Sites*; Michael Roberts, *Beneath City Streets: Brief Observations on the Urban Landscape*; Dana Linck and Joe W. Van III, *Dig Fast and Die Young: Unexploded Ordnance and Archaeology*; Cece Saunders and Susan R. Chandler, *Get the Lead Out*; Ronald L. Reno, Stephen R. Boyd, and Donald L. Hardesty, *Chemical Soup: Archaeological Hazards at Western Ore Processing Sites*.
- ▶ Michael B. Schiffer and Andrea R. Miller. **The Material Life of Human Beings: Artifacts, Behavior, and Communication.** Routledge, 1999. 158 pp. \$19.99 paper. Theorizes that human beings are fundamentally object-based, not language-based, creatures and that the archeology of daily life is the key to the study of human behavior. Rev: *T&C* (Oct. 2000), p. 793.
- ▶ R. B. Scholfield. **Benjamin Outram, 1764-1805: An Engineering Biography.** Merton Priory Pr. (67 Merthyr Rd., Whitechurch, Cardiff CF14 1DD, U.K.), 2000. 352 pp., illus. £24.95. A leading figure in the development of civil engineering in Great Britain, Outram designed numerous canals and horse-drawn railways, and established an iron company at Butterly, alongside the Cromford Canal.

MINES & MINING

- ▶ David Bick. **Evolution of the Pre-Cornish Beam Engine House.** *IAR* 21,2 (1999), pp. 117-135. Inventory and analysis of surviving British engine houses built before widespread acceptance of the Cornish beam engine (pre-1830).
- ▶ James Ferguson. **Expectations of Modernity: Myths and Meanings of Urban Life on the Zambian Copperbelt.** Univ. of Calif. Pr., 1999. 326 pp., bibliog. \$17.95. Modern miners struggle to get on with their lives after decades of economic decline following the industrialization of northern Zambia's copperbelt in the 1920s and 30s.
- ▶ Andrew Fielding. **The Lion Salt Works.** *IA News* (Winter 1999), pp. 4-5. Northwich, England, salt works is now a museum. Open-pan saltmaking by evaporating brine in a 19th-c. factory.
- ▶ **Helping to Save the Machetanz Film Collection in Alaska.** *Annotation* (Sept. 1999), pp. 16-19. Hallie Cordle, an equipment salesman, filmed gold-mining operations in the 1930s. Part of the diverse collection of the Alaska Film Archives in the Alaska and Polar Regions Dept., Univ. of Alaska Fairbanks.
- ▶ Timothy J. LeCain. **The Biggest Mine.** *I&T* (Winter 2001), pp. 10-19. Utah's Bingham copper mine.
- ▶ Susan R. Martin. **Wonderful Power: The Story of Ancient Copper Working in the Lake Superior Basin.** Wayne State

Univ. Pr., 1999. 286 pp., bibliog. \$24.95. Prehistoric copper mining and use around Lake Superior and, through trade, in parts of the eastern U.S.

- ▶ Robert McIntosh. **Boys in the Pits: Child Labour in Coal Mines.** McGill-Queen's Univ. Pr., 2000.
- ▶ Rosemary Preece. **The Museum of the English Coalfields.** *IA News* (Spring 2000), pp. 2-3. National Coal Mining Museum near Wakefield, West Yorkshire, U.K.
- ▶ T. H. Watkins. **Hard Rock Legacy.** *National Geographic*, March 2000, pp. 76-95. With an emphasis on the environmental problems left behind, a review of mining in the western U.S. since the General Mining Law of 1872. Includes a map of major mines of the West, color-coded by mineral, and related Superfund sites.
- ▶ Tom Zoellner. **Oil and Water.** *I&T* (Fall 2000), pp. 44-52. History of offshore drilling beginning in the 1940s.

IRON & STEEL

- ▶ Robert S. Davis, Jr. **Cotton, Fire, and Dreams: The Robert Findlay Iron Works and Heavy Industry in Macon, Georgia, 1839-1912.** Mercer Univ. Pr., 1998. 198 pp., illus. Business history of manufacturer of variety of machinery and stationary engines for local grist, saw, and textile mills. Rev: *T&C* (Jan. 2000), p. 143.
- ▶ Gerald G. Eggert. **Making Iron on the Bald Eagle: Roland Curtin's Ironworks and Workers' Community.** Penn State Univ. Pr., 1999. 189 pp., illus. \$22.50. Central PA ironworks from 1810 to 1922. Rev: *T&C* (Jan. 2000), p. 798.
- ▶ John Ferguson. **Forged and Founded in Cornwall.** Cornish Hillside Pub., 2000. 194 pp., illus. £13.99. Cornish iron industry. Rev: *IAR* (Nov. 2000), p. 147.
- ▶ Matthew Kierstead. **W(h)ither the Stone Ironworks Building?** *NECN* 19 2 (1999), pp. 4-6. Pre-Civil War stone-walled ironworks buildings are endangered.
- ▶ Edward M. Kirby. **Echoes of Iron in Connecticut's Northwest Corner.** Sharon Historical Society (18 Main St., Sharon, CT 06069), 1998. 135 pp., illus. \$18 ppd. History of the Salisbury Iron District. Includes 23 p. "drive-and-hike" guide. Rev: *NECN* 19,2 (1999), p. 11.
- ▶ Colleen E. Kriger. **Pride of Men: Ironworking in Nineteenth Century West Central Africa.** Greenwood Pr., 1999. 261 pp., illus. \$24.95 paper. Iron currencies, tools, weapons manufactured by African smiths. Analysis of artifacts. Rev: *T&C* (Oct. 2000), p. 797.
- ▶ Calvin Lieberman. **Creative Destruction.** *I&T* (Fall 2000), pp. 54-63. History of specialized machinery to reclaim steel from junk cars.

TEXTILES

- ▶ **Nomination of New Lanark for Inscription in the World Heritage List.** Historic Scotland, 2000. 127 pp. £12.50. (Avail: Mark Watson, Historic Scotland, Longmore House, Salisbury Place, Edinburgh EH9 1SH, U.K. Please make out checks or bank transfers in pounds sterling payable to Historic Scotland.) Famous cotton spinning mills and village (ca. 1786-1820s) in Lanarkshire, founded by David Dale and Richard Arkwright. Dale's humane philosophy was later expanded by Robert Owen.

- ▶ **Run of the Mill.** *Preservation* (Nov./Dec. 1999), pp. 79-81. Saving the Dan River textile mill complex, Danville, VA.
- ▶ **Textiles: Threads Through Time** is a theme issue of the *ALHFAM Bulletin* 30,3 (Fall 2000) devoted to period clothing and textiles. Includes: Tom Shaw, *Researching Common Clothing*; Charles LeCount, *The Linen "Market" Wallet*; Karen Mullian, *Shift to Chemise; or a Tempest in a Teapot*; Nancy Webster, *"Gather Up the Fragments": Some Examples of Virginia Slave Clothing Textiles*; *Flax Break—A Must Have*; Lynne Z. Bassett, *Laura Ingalls Wilder, A Resource for Clothing Historians*; Todd Stockwell, *Burton Cotton Gin*; Debra Reid, *Comforters in Cotton Country*.

AGRICULTURE & FOOD PROCESSING

- ▶ **Art of the Draw—Advertising Posters from the McCormick-International Harvester Collection.** On-line version of Wisconsin State Historical Museum exhibit. Evolution of agricultural machinery with colorful and sometimes fanciful advertising art from the museum's collection of more than 200,000 photos and 3,000 posters. www.shsw.wisc.edu/artofthedraw.
- ▶ Dmitry Babalis. **Conservation and Development of Industrial Sites in Lucca, the Full Integration of the Royal Tobacco Manufacture within the Planning Process.** *IP* v.3 (2000), pp. 37-40. Origin and growth of cigar and cigarette plant in Tuscany, Italy, during 19th and early 20th c. Plant will close in two years, and efforts are under way to find alternative use.
- ▶ Steve Barry. **Something Big on the Horizon: The Wooden Elevators of Saskatchewan Are Coming Down.** *Railfan & Railroad*, Jan. 2001, pp. 32-39. If you want to visit the wooden grain elevators of western Canada, you can't leave soon enough. The elevators are coming down rapidly as operations are consolidated at high-throughput elevators, massive concrete structures holding ten times the grain of local elevators.
- ▶ Dan Baum. **Citizen Coors: An American Dynasty.** William Morrow, 2000. 352 pp. \$27. Tells how each generation of the Coors family mismanaged the company. Rev: *The New York Times* (July 9, 2000) Sec. BU, p. 5.
- ▶ Piotr Gerber and Agnieszka Gryglewska. **The Demolition of the Historical Slaughter House in Wroclaw: The Main Issues Concerning the Industrial Heritage in Poland.** *IP* v.3 (2000), pp. 9-14. Documents massive 19th-c. slaughterhouse and cattle market complex.
- ▶ Moira F. Harris. **Louise's Legacy: Hamm Family Stories.** Pogo Press (4 Cardinal Lane, St. Paul, MN 55127; 651-483-4692), 1999. 160 pp., photos, bibliog. \$15.95. Pogo's fourth book to focus on the Hamms, Minnesota's great brewing family, offers photos and a selection of newspaper accounts of the early days of the brewery. Based on the recollections of Louise Muller, the granddaughter of Theodore and Louise Hamm, who made many of the company's business decisions.
- ▶ Steven J. Keillor. **Cooperative Commonwealth: Co-ops in Rural Minnesota, 1859-1939.** Minnesota Historical Society Pr., 2000. 500 pp. \$35. Multidimensional history gives special attention to political movements, including the Grange and the Farmer-Labor Party, that spawned or influenced cooperatives. The role of ethnicity, religion, and technology are considered in shaping the character of the cooperative movement in one of the most cooperative-minded states in the Union, where there existed 600 cooperative creameries, 270 farmers' elevators, and hundreds of rural telephone associations. Compares the economic model of

the cooperative, based on grassroots democracy, to that of the corporation, based on the power of accumulated wealth. Rev: *MH 57* (Fall 2000), pp. 155-156.

- ▶ W. Duncan MacMillan, with Patricia Condon Johnson. **MacMillan: The American Grain Family: An Illustrated Biography.** Afton Historical Society Pr. (Box 100, Afton, MN 55001; www.aftonpress.com), 1998. 350 pp., illus. \$30. The MacMillans, who, with their Cargill cousins, are owners of Cargill, Inc., reputedly the largest privately held company in the world.
- ▶ Cheri Register. **Packinghouse Daughter: A Memoir**. Minnesota Historical Society Pr., 2000. 288 pp. \$24.95. Family loyalty, small-town life, and working-class values in the face of a violent labor strike in 1959.
- ▶ John B. Rehder. **Delta Sugar: Louisiana's Vanishing Plantation Landscapes.** Johns Hopkins Univ. Pr., 1999. Photos, maps. \$45. History and function of buildings on a typical sugar plantation. Five case studies: Armant, Cedar Grove, Whitney, Ashland, and Oakland plantations. Rev: *VAN* (Winter 2001), p. 21.
- ▶ Wilson J. Warren. **Struggling With "Iowa's Pride": Labor Relations, Unionism, and Politics in the Rural Midwest Since 1877.** Univ. of Iowa Pr., 2000. 185 pp. \$34.95. A long-term view of Ottumwa, IA, home of the John Morrell pork processing plant. Industrial relations evolved from paternalism to welfare capitalism, reinforced by ethnic and racial homogeneity, to unionization, marked by massive strikes, to the erosion of union power and the ultimate loss of safe, secure, well-paying jobs in an era of frequent mergers and plant closings. Rev: *MH 57* (Fall 2000), pp.157-158.
- ▶ Alison Watts. **The Technology that Launched a City: Scientific and Technological Innovations in Flour Milling during the 1870s in Minneapolis.** *MH 57* (Summer 2000), pp. 86-97. Written by the first student winner of a special history-day award that allows the student to publish in *Minnesota History* and participate in the publication process. Article summarizes the technological solutions developed by Minneapolis millers to mill the hard red spring wheat that grew so well in Minnesota's climate but made poor flour when milled using old grist mill methods. These innovations made the city the milling capital of the world.

LOGGING & LUMBERING

- ▶ Mary T. Bell. **Cutting Across Time: Logging, Rafting, and Milling the Forests of Lake Superior.** Nodin Pr. (525 N. 3rd St., Minneapolis MN 55401), 1999. 96 pp., illus., maps. \$29.95. History of the John Schroeder Lumber Co., which logged along the North Shore of Lake Superior and the Apostle Islands from 1872 to 1939. The many kinds of workers and skills needed to run a logging operation, camp life, log rafting, and the milling process. Illustrated with period and contemporary photos, maps, and watercolors, some in color.
- ▶ Paul Fahlstrom. **A Short History of Old Cloquet: White Pine Capital of the World.** Carlton County Historical Society (406 Cloquet Ave., Cloquet, MN 55720; (218) 879-1938; cchs@cpinternet.com), 1997. 170 pp., photos, index. \$15.00. The city, rebuilt after the great forest fire of 1918, was a Weyerhaeuser enclave and is still an important wood products center, home of Diamond Brands and Potlatch [SIA 2000 Annual Conference].

- ▶ Ronald Jager. **Tool and Symbol: The Success of the Double-Bitted Axe in North America.** *T&C* (Oct. 1999), pp. 833-860. Careful analysis of the tool that came as a small revolution in timber-harvesting technology over 100 years ago.

RAILROADS

- ▶ Richard C. Barrett and Joseph Gross. **The Illustrated Encyclopedia of Railroad Lighting, Vol. II: The Railroad Signal Lamp.** RR Research Pub. (3400 Ridge Rd. W., Ste. 5, Rochester, NY 14626), 1999. 368 pp. \$69.95. 300 pp. devoted to images of signal lamps culled from company catalogs "manages to create an intriguing picture of the problems associated with railroad signaling." Rev: *RH* (Autumn 2000), p. 121.
- ▶ James B. Cabellero. **Semaphore Blades by Night.** *RH* (Autumn 2000), pp. 62-81. Different 19th-c. attempts to make semaphore signals visible in the dark. Illustrates and describes a variety of blades illuminated by reflected or transmitted light, or illuminated by lamps, lights, or tubes on the blades.
- ▶ Geoffrey H. Doughty. **New York Central's Stations and Terminals.** TLC Pub. (1387 Winding Creek Lane, Lynchburg, VA 24503), 1999. 168 pp., photos. \$28.95. Surveys many lesser-known stations. Rev: *RH* (Autumn 2000), p. 132.
- ▶ Ken Fitzgerald. **Southern Pacific 1744 Steams Again.** *Railfan & Railroad*, Jan. 2001, pp. 40-41. A 1901 Baldwin locomotive recently restored and pulling passengers in New Orleans.
- ▶ Thomas Flagg. **New York Harbor Railroads in Color, Vol. 1.** Morning Sun Books (9 Pheasant Lane, Scotch Plains, NJ 07076; 908-755-5454), 2000. Harbor operations, mostly from the 1950s and 60s. Different types of marine operations at the port; illustrations from nine Class One railroads with fleets and three Brooklyn terminal railroads.
- ▶ Vernon J. Glover. **C&TSRR Report September 2000.** *R&LHSN* (Autumn 2000), pp. 5-6. Historic Cumbres & Toltec Scenic RR (NM-CO) receives new management and attention to deferred maintenance.
- ▶ **Historic Railroads: A Living Legacy** is a theme issue of *CRM*, v. 22,10 (1999). Includes: Susan Kraft and Gordon Chappel, *Historic Railroads in the National Park Service and Beyond*; Colin Dival, *Railroads as World Heritage Sites*; Kenneth and Lisa Kraft, *19th- and 20th-C. Potawatomi Culture and the Railroad*; Adrienne Anderson and Rick Wilson, *The Unheralded Resources of Golden Spike National Historic Site*; Gordon Chappell, *A Grand Canyon Railway: Project for a New Century, the 20th*; Susan Kraft, *Through the Greatest Gateway to the Greatest Park*; *Dudes on the Rails to Yellowstone*; Dale Martin, *Livingston: A Railroad Town and Its Depot*; Robert C. Hoyle, *To the Tetons by Train*; Paul Shea, *Union Pacific Dining Lodges and Cafeterias for the National Parks*; Terry E. Maze, *Petrified Wood and Railroads*; Lautie Slawson, *Copper Mining, Railroads, and the "Hellhole of Arizona"*; Geoffrey Bleakley, *The Copper River and Northwestern: Alaska's Bonanza Railway*; Ann Kain, *Frontiers in Transportation: Denali and the Alaska Railroad*; Frank Norris, *Alaska Tourism, Skagway, and the White Pass and Yukon Route*; Gordon Chappell, *The Curious Case of the Buried Locomotives, or Railroad Archeology with a Vengeance*; Diane M. Garcia and Nancy L. Smith, *Allegheny Portage Railroad: New Support for Old Arches*; R. Patrick

McKnight, *Paint and Park: The Lehigh & New England Railroad Caboose 583*; R. Patrick McKnight and R. Jay Conant, *The Rutland Railroad's Caboose No. 28*; Gordon Chappell, *The Sacramento Locomotive Works of the Central Pacific and Southern Pacific Railroads, 1864-1999*; Sam Tamburro, *The Valley Railway: A Tale of Two Landscapes*; Deloris Jungert Davissou, *On Track Through a Beautiful Country*.

- Aaron Isaacs. **Wisconsin Sampler.** *RMQ* (Fall 2000), pp. 5-10. Review of railroad museums: Appleton Trolley Museum; East Troy Electric RR; Spooner; Mid-Continent Rwy. Museum; and other Wisconsin odds and ends.
- Andres Jenks. **A Metro on the Mount: The Underground as a Church of Soviet Civilization.** *T&C* (Oct. 2000), pp. 697-724. Moscow underground of the 1930s as an instrument of civil and social engineering.
- Malcolm Jones. **The Most Beautiful Trains in the World.** *Preservation* (Nov./Dec. 1999), pp. 30-37. Photographer O. Winston Link captured a time and a place that changed forever with the last steam engines - Norfolk & Western, 1950s-60s.
- Graydon M. Meints. **Race to Chicago.** *RH* (Autumn 2000), pp. 6-29. The mad scramble to connect Chicago to the east by rail, ca. 1835-1850s.
- William D. Middleton. **Landmarks on the Iron Road: Two Centuries of North American Railroad Engineering.** Indiana Univ. Pr., 1999. 216 pp. illus. \$39.95. Bridges, tunnels, freight terminals. Rev: *RH* (Autumn 2000), p. 115.
- **Railroad Heritage** is the quarterly magazine of the Center for Railroad Photography and Art (Box 259330, Madison, WI 53725-9930; www.railphoto-art.org). No. 2, 2000 includes *Barriger's Unique Visual Record* (50,000 historic railroad photos in the Barriger Library, St. Louis); *Starlight's Images Shine* (review of collection of classic nighttime railroad photos); *Bennett Builds Railroad's Image* (H. H. Bennett, Milwaukee Rd. photographer in the 1880s); *Miner's Railroad Art Collection* (paintings in the W. H. Miner, Inc. collection); *Roy Emerson Stryker and the Elusive* (Farm Security Administration photographer); *Libsohn Views Southern Changes* (photos of Southern Rwy. in 1947); *Bonds to Past, Hidden From View* (collecting engraved bond and stock certificates as works of art).
- Clifford Schoff. **Baldwins in Brazil or Journey with Maria Fumaca.** *R&LHSN*, (Autumn 2000), pp. 3-4. Narrow-gauge 1912-vintage Baldwin locomotives still at work in Sao Joao del Rei, central Brazil.
- Thomas T. Taber and Mark Reutter. **Century Gone.** *RH* (Autumn 2000), pp. 30-52. Summary of railroading troubles and accomplishments of the 20th c.
- Augustus J. Veenendaal Jr. **The Saint Paul and Pacific Railroad: An Empire in the Making, 1862-1879.** Northern Illinois Univ. Pr. (DeKalb), 1999. 178 pp. \$49.95. The role of Dutch investors in the early financing of the company. Details the operations, management, and equipment. Rev: *MH* 57 (Summer 2000), pp. 101-2.
- Jeff Wilson. **Great Northern Railway in the Pacific Northwest.** Kalmbach, 2000. 128 pp., photos, illus. maps. \$19.95. Glossy photo book includes track maps and history.

WATER TRANSPORTATION

- Kevin J. Crisman. **Horse Power at the Chilo.** *Timeline* (Nov./Dec. 2000), pp. 38-41. Treadmill ferry on the Ohio R. (Chilo, OH-Bradford, KY), ca. 1870-1900.
- Jonathan Gill. **Lock and Dam Number 7 on the Monongahela River.** *IAR* 22,2 (Nov. 2000), pp. 115-132. Based on 1994 HAER study.
- John C. Gribar and Jaime A. Bocanegra. **Passage to 2000.** *Civil Engineering* 69 (Dec. 1999), pp. 48-53. \$1-billion dollar modernization and rehabilitation program intended to increase the Panama Canal's operating capacity by 20 percent. Widening and straightening of the Gaillard Cut, replacing ten miles of locomotive track, and installing hydraulic cylinder arms for operating the lock gates.
- Emory Kemp. **The Great Kanawha Navigation.** Univ. of Pittsburgh Pr. and Inst. for the History of Tech. and IA (Aval: Box 6305, 1535 Mileground Rd., Morgantown, WV 26506), 2000. 300 pp., illus. \$45. The Kanawha R. bisects the rugged terrain of southern WV. The river was a logical choice for a great east-west canal in the early 19th c., but to no avail. Efforts to build the James & Kanawha R. Canal, and later the Great American Central Water Line were aborted. In 1879, the U.S. Army Corps of Engineers began a 23-yr. construction effort that completely canalized the Kanawha and allowed year-round barge traffic.
- Colin Richardson, et al. **On the New Waterfront.** *Civil Engineering* 70 (Feb. 2000), pp. 60-63. First phase of a project to renew the 1903 Hoboken South Waterfront in NJ, including re-building Pier A and putting a park on it.

AUTOMOBILES & HIGHWAYS

- Max J. Skidmore. **The Theodore Roosevelt International Highway.** *SCA Journal* (Spring 1999), pp. 14-21. Tourist trail association marks and describes transcontinental route, Portland, ME to Portland, OR, 1919-1922.

BRIDGES

- Bashar Altabba. **Re-Creating the Rainbow Bridge.** *Civil Engineering* 70 (May 2000), pp. 32-37. Replica of the Rainbow Bridge in Jinze, China, using 12th-century construction methods. The project was initiated by WGBH-TV for an episode in the NOVA series, "Secrets of the Lost Empires."
- Bruce Clouette. **Reconstruction of a Brick-Arch Railroad Bridge.** *NECN* 19,2 (1999), pp. 6-8. Connecticut DOT rehabilitates 1885 bridge of the Danbury & Norwalk RR. Also, **Bridges and the Suburb Beautiful**, pp. 10-11. Restoration of stone-faced reinforced-concrete arch bridge from 1929 in Darien, CT.
- Eric DeLony. **Bridging the Past for the Future.** *Pennsylvania Heritage* (Winter 2000), pp. 8-17. Pennsylvania's bridge history and recent documentation and preservation efforts.
- **Michigan Historic Bridges.** Web site has a list and photos of Michigan's historic highway bridges. www.mdot.state.mi.us/environmental/historicbridges.
- Tom Ryan, comp. **The Art and History of the Bow Bridge.** 2000. 96 pp., illus. \$23.45 ppd. Avail. Box 70, Corinth, NY 12822. Imaginative effort to bring recognition to endangered 1888 lenticular truss bridge in Hadley, NY. Over 90 works of

original art by 65 artists including children. Paintings, drawings, poems, photos, wood blocks, and sculpture inspired by the bridge. Includes HAER documentation, historic photos, postcards. Proceeds go to a special Bow Bridge Preservation Account, established by the Hadley-Luzerne Historical Society.

BUILDINGS & STRUCTURES

- ▶ Ben Brown. **Monumental Ordeal.** *Preservation* (Nov./Dec. 1999), pp. 48-51. Raising the Washington Monument was a struggle.
- ▶ Neil Harris. **Building Lives: Constructing Rites and Passages.** Yale Univ. Pr, 1999. 208 pp., illus. \$40. Non-traditional architectural history examines buildings as cultural artifacts that are born, live their lives, and die, just as do humans. Rev: VAN (Winter 2001), p. 11.
- ▶ Kimberly Hinder. **Florida's Early Tourist Towers.** *SCA Journal* (Spring 1999), pp. 14-21. Observation towers from the 1920s to 1960s, built to attract tourists and showcase views of the landscape. Maple Groves Observation Tower, Winter Haven; Citrus Tower, Clermont; Placid Tower, Lake Placid; Bazaar International and Bazaar Trylon Tower, Riviera Beach.
- ▶ Rowland J. Mainstone. **Structure in Architecture: History, Design and Innovation.** Ashgate, 2000. 436 pp., illus. \$135.95. Innovation in pre-19th-c. structures possible without benefits of modern engineering theory.

POWER GENERATION

- ▶ T. Lindsay Baker, ed. **Windmillers' Gazette.** Quarterly. Avail. Box 507, Rio Vista, TX 76093. Dedicated to the preservation of America's wind-power history and heritage. Vol. 19,4 (Autumn 2000) includes *Prefabricated Windmill Towers from the Challenge Company* and *The Windmill Collection at the Fred Turner Museum, Loeriesfontein, South Africa.*
- ▶ Alan Crocker. **The Rolt Memorial Lecture 1999: Early Water Turbines in the British Isles.** *IAR* 22,2 (Nov. 2000), pp. 83-102. Examples of extant turbines made in Great Britain, ca. 1850-1875.

ELECTRONICS & ELECTRICAL ENGINEERING

- ▶ K. G. Beauchamp. **A History of Telegraphy: Its Technology and Application.** Inst. of Electrical Engineers (1-888-438-2517), 2001. 408 pp. \$95. Comprehensive survey of telegraphy over two centuries.
- ▶ Yakup Bektas. **The Sultan's Messenger: Cultural Construction of Ottoman Telegraphy, 1847-1880.** *T&C* (Oct. 2000), pp. 669-696. In 1877 the Ottoman Empire possessed the world's 8th largest telegraph network, extending over more than 17,000 miles.
- ▶ Russel Burns. **The Life and Times of A. D. Blumlein.** Inst. of Electrical Engineers (1-888-438-2517), 1999. 560 pp., illus. \$95. Blumlein (1904-42) played an important role in fundamental innovations in radar, electronics, and sound recording, including stereo sound.
- ▶ Gillian Cookson and Colin Hempstead. **A Victorian Scientist and Engineer: Fleeming Jenkin and the Birth of Electrical Engineering.** Ashgate, 2000. 280 pp. \$78.95. Pioneer in British electrical engineering known for his work on intercontinental submarine telegraphy, 1850-1885.

- ▶ Donland F. McLean. **Restoring Baird's Image.** Inst. of Electrical Engineers (1-888-438-2517), 2000. 292 pp., illus. \$55. In the late 1920s, John Logie Baird, considered to be the inventor of television, was experimenting with "photovision" in which he attempted to record television signals on gramophone discs. His attempts were largely unsuccessful and this technology forgotten until the 1980s, when the author began restoring the discs with modern computer-based techniques. Helps explain a poorly understood period of television history before official TV services started.

MISC. INDUSTRIES

- ▶ N. A. Cavanagh. **The Thornton Archive and the Production of Sawpierced Silverware in Sheffield.** *IAR* 22,2 (Nov. 2000), pp. 103-114. Analysis of documents and artifacts to understand sawpiercing, the technique of decorating silver tableware by cutting away areas of metal with fine-bladed saws.
- ▶ **Flesh and Stone: Stony Creek and the Age of Granite.** Stony Creek Workers Celebration (Box 3047, Stony Creek, CT 06405), 2000. 216 pp., photos. \$50. Evolution of granite quarries and immigrant communities in the Branford, Stony Creek, and Guilford areas of Connecticut. Web site: www.quarrycelebration.org. ■

ABBREVIATIONS:

CRM	= Cultural Resources Management, published by the National Park Service
IA News	= Industrial Archaeology News (UK)
IAR	= Industrial Archaeology Review (UK)
I&T	= American Heritage of Invention & Technology
IP	= Industrial Patrimony (FRA), Journal of the Int'l Committee for the Conservation of the Industrial Heritage (TICCIH)
MH	= Minnesota History
MHR	= Material History Review (CAN)
NECN	= SIA New England Chapters Newsletter
R&LHSN	= Railway & Locomotive Historical Society Newsletter
RH	= Railroad History
RMQ	= Railroad Museum Quarterly
SCA	= Society for Commercial Archeology Journal
T&C	= Technology & Culture: Quarterly of the Society for the History of Technology
VAN	= Vernacular Architecture Newsletter

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SOCIETY FOR INDUSTRIAL ARCHEOLOGY

NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 30, No.2

Spring 2001

COMPILED BY

Mary Habstritt, *New York, NY*; and Patrick Harshbarger, *SIAN editor*.

GENERAL INTEREST

- ▶ Louis Bergeron and Maria Teresa Maiullari-Pontois. **Industry, Architecture, and Engineering: American Ingenuity, 1750-1950.** Harry N. Abrams, Inc., 2000. 287 pp., illus. \$65 hb. Historic and contemporary photographs, mostly drawn from the HAER collection, handsomely illustrate broad-ranging essays on America's industrial history. English-language edition of the companion book to the exhibit, *The Industrial Heritage of the USA*, which toured France and Italy in 1997-98 (see *SIAN* Winter 1997). Thought-provoking observations from the European perspective on recent efforts to preserve America's industrial heritage. Introduction by HAER chief Eric DeLony.
- ▶ Edward Elwell's **Catalogue of Forged Tools.** Reprint ed. EAIA (Book Sales, Linda Stanton, 13231 Cypress-N. Houston Rd., Cypress, TX 77429; (281) 469-6328; LStan48682@aol.com), 2000. 93 pp., softcover. \$26.25. Originally published about 1870, includes 38 plates showing over 1,000 tools for construction, agriculture, woodworking, quarrying, mining, and the maritime industries. Elwell was based in Wednesbury, Staffordshire, England. The company carried on a considerable export trade to North America and to British colonies.
- ▶ Peter English. **British Made: The Industrial Development and Engineering for Kenya.** *IP* v. 4 (2000), pp. 83-94. Guide to industrial heritage sites in Kenya: Uganda Rwy. (Mombasa to Lake Victoria); steam ferries; Nairobi Rwy. Museum; Mombasa port docks; hydropower; Mombasa's mid-1950s thermal plant.
- ▶ Joshua B. Freeman. **Working-Class New York: Life and Labor Since World War II.** The New Press, 2000. 409 pp. \$35. New York's journey from a city of manufacturing and union strength to one of service industries and union struggle.
- ▶ Brian Greenfield and Patrick Malone. **"Things" that Work: The Artifacts of Industrialization.** *Organization of American Historians: Magazine of History for Teachers of History* (Fall 2000) pp. 14-18. Enthusiastically suggests simple ways to use models, museum exhibits, landscapes and factory tours to incorporate industrial history into curricula. A lengthy bibliography provides additional resources.
- ▶ Laura Hapke. **Labor's Text: The Worker in American Fiction.** Rutgers Univ. Pr., 2001. 474 pp., illus. \$30. Portrayals of the worker in fiction over two centuries, from stories written about the women who spun away their lives in the mills at Lowell to the writings of novelists Louisa May Alcott, Upton Sinclair, Richard Wright, and Russell Banks.
- ▶ John Holusha. **Turning Brownfields into Fairways and Greens.** *New York Times* (Oct. 29, 2000), Real Estate, pp. 1, 4. How developers, aided by state policies, are finding new uses for polluted NJ sites. The primary example is a current plan to turn 900 acres of construction debris and industrial waste in the Meadowlands into golf courses.
- ▶ Robert Lewis. **Manufacturing Montreal: The Making of an Industrial Landscape, 1850-1930.** Johns Hopkins Univ. Pr., 2000. 336 pp., maps, tables, illus. \$45. Decentralized industrial development of the city and its suburbs.
- ▶ Howard Mansfield. **The Same Ax, Twice: Restoration and Renewal in a Throwaway Age.** Univ. Pr. of New England, 2001. 288 pp. \$26. If you preserve an ax as a treasured memento, is it still an ax, or has it become something else? The author claims that it is not the same ax. If you instead use it and replace the handle three times and the head twice, you do have the same ax, though not a molecule of the original remains, because you have preserved its use. Its use is an essential part of its being, so you have the same ax, twice. This is the starting point for a discussion of how to preserve the past in a way that invigorates the present.
- ▶ Martin V. Melosi. **The Sanitary City: Urban Infrastructure in America from Colonial Times to Present.** Johns Hopkins Univ. Pr., 2000. 578 pp., maps, tables, biblio., ind. \$59.95. Evolution of water supply, sewerage, and solid-waste disposal.
- ▶ **Menomonee Valley Needs Broader Vision** *Milwaukee Journal Sentinel* (Oct. 9, 2000, p. 1B) and **Projects Push for A Cleaner, Greener Menomonee Valley** (Sept. 26, 2000, p. 1B) describe ongoing policy debate in Milwaukee about redeveloping the city's historic Menomonee Valley industrial corridor. Two competing ideas are a conventional greenway, which would wipe the valley clean of industrial sites, another model based on European precedents that would create a car-free zone of restored wetlands and reclaimed industrial artifacts and buildings.
- ▶ Lance Metz, ed. **Canal History and Technology Proceedings, Vol. XX.** Canal History and Technology Press (30 Centre Sq., Easton, PA 18042; (610) 559-6613), 2001.

- 175 pp., \$24.25 ppd. Proceedings of the Mar. 2001 conference. Includes, Robert W. Passfield, *Construction of the Victoria Tubular Bridge*; Michael Knies, *The D&H Coal Company: New Insights from the James Archibald Papers*; Lee R. Maddex, *A Little Group of Iron Workers: The La Belle Iron Works and the Formation of the Wheeling Steel Corp.*; Thomas R. Winpenny, *Nineteenth-Century Gun Maker and Mechanician John Griffen: The Indispensable Man at Phoenix Iron and Steel*; Sean and Johanna S. Billings, *Colorful Sands: Glassmaking and the Peachblow Craze*; Nadine Miller Peterson & Dan Zagorski, *Zinc Mining in the Saucon Valley Region of Pennsylvania, 1846-1986*.
- **Michigan Technological University, Industrial Archeology Program, Recent Student Projects Online** — www.ss.mtu.edu/IA/IAWeb/projects.html. Gold mining in Death Valley; 18th-c. sugar plantation on Nevis; iron production at Viking village site in England, ca. 1000; Cornish buddles; Carp River forge.
 - The Occupational Safety & Health Administration (OSHA) has made the following manuals available online, which may be of interest to those with historic industrial sites or operating historic machinery: Construction Resource Manual, Field Inspection Manual, Recordkeeping Guidelines, OSHA Technical Manual. <http://osha.gov/readingroom.html>.
 - Anne Raver. **Slag Heaps into Gardens**. *New York Times* (Jan. 18, 2001), pp. F1, F8. The efforts of landscape architects to restore industrial landscapes in Pennsylvania, incorporating material elements that the mining and coking operations left behind.
 - Vince Staten. **Did Monkeys Invent the Monkey Wrench? Hardware Stores and Hardware Stories**. EAIA (Book Sales, Linda Stanton, 13231 Cypress-N. Houston Rd., Cypress, TX 77429; (281) 469-6328; LStan48682@aol.com), 1997. 234 pp., softcover. \$12. Whimsical collection of observations about tools, people involved with them, recollections, and anecdotes from family-owned hardware store in Kingsport, TN.
 - Michael Stratton and Barrie Trinder. **Twentieth Century Industrial Archaeology**. Spon Press (London; www.sponpress.com), 2000. 256 pp., illus. £29.99. Guidebook to the industrial artifacts, buildings, and landscapes of 20th-c. Britain. Food industries, transportation, munitions in two world wars, post-war rebuilding.
 - Carroll Van West. **Tennessee's New Deal Landscape: A Guidebook**. Univ. of Tennessee Pr., 2001. 296 pp., illus., maps. \$18.50 pb. Examines over 250 sites built from 1933 to 1942, including the dams and reservoirs of the TVA, courthouses, post offices, community buildings, schools, museums, and parks.
- MISC. INDUSTRIES**
- Helen M. Gomersall. **Departed Glory: The Archaeology of the Leeds Tanning Industry, 1780 to 1914**. *IAR* 22,2 (Nov. 2000), pp. 133-144.
 - William R. Haycraft. **Yellow Steel: The Story of the Earthmoving Equipment Industry**. Univ. of Illinois Pr., 2000. 465 pp. \$34.95. Earthmoving machines, from their origins as farm machinery to today's massive industrial earthmovers.
 - William Hosley. **Colt: The Making of an American Legend**. Univ. of Massachusetts Pr., 1996. 254 pp., illus, notes. \$49.95. Recounts the story of Samuel Colt, who after several invention and business failures, developed the Colt revolver—"the gun that won the West"—into America's first truly global export. The story continues with his wife, Elizabeth, who re-built the factory after a fire destroyed it and embarked upon a 40-year campaign of civic memorialization and glorification of her family.
 - **Marking Time** is a theme issue of *MHR* 52 (Fall 2000) devoted to time-keeping technologies. Includes: Alexis McCrossen, *Time Balls: Marking Modern Times in Urban America, 1877-1922* (These globes, perched atop a tall building or tower, were made of metal ribs with canvas covers of various colors. They were rigged to an electric pulse, which caused them to drop, usually at noon.); Bryan Dewalt, *Men, Women and Machines: Time Management and Machine Dictation in the Modern Office*; Carlene Stephens, *From Little Machines to Big Themes: Thinking About Clocks, Watches and Time at the National Museum of American History*; Randall C. Brooks, *A Canadian Time Ball*.
 - W. Patrick McKay. **Glassmaking in Renaissance Venice: The Fragile Craft**. Ashgate, 1999. 272 pp. \$78.95. Demand, production, and distribution of glass, including the nature of luxury goods and interaction between industry and government in the Renaissance. Evidence from shop records, pictorial representations of glassmakers, and physical and chemical analysis of glass pieces.
 - Daniela Mazzotta. **An Intervention for Rehabilitation: The Venetian Conterie**. *IP* v. 4 (2000), pp. 51-54. Conterie, glass beadmaking, has been a Venetian industry since the 12th c. Preserving the works on Murano Island.
 - Deb Peterson. **A Paper on Pins**. *ALHFAM Bulletin* (Winter 2001), pp. 12-13. The manufacture and use of 18th-c. pins.
 - Thomas B. Rentschler. **Cosmopolitan and Gwyn & Campbell Carbines in the Civil War**. Mowbray Pub. (Box 460, Lincoln, RI 02865; www.manatarmsbooks.com), 2001. 84 pp., illus. \$26.50 ppd. Two rare and unusual cavalry carbines, their development, sales to the government, use in the field. Often called the only contract arms made in the Midwest.
 - Walker Rumble. **Ready, Go, Set!** *I&T* (Spring 2001), pp. 40-43. Before typesetting was mechanized, the fastest hand compositors raced one another for large cash prizes.
 - Witold Rybczynski. **One Good Turn: A Natural History of the Screwdriver and the Screw**. Scribner, 2000. 173 pp., illus. \$22. From the first earliest documented uses of the screw and screwdriver—assembling armor and attaching matchlocks to firearms—the author searches for the tools' roots in the principle of the helix elucidated by ancient Greeks. He concludes that science did not develop in societies unfamiliar with the screw.
 - Peter Stanier. **Stone Quarry Landscapes: The Industrial Archaeology of Quarrying**. Tempus Pub. (The Mill, Brinscombe Port, Stroud, Gloucestershire, GL5 2QG, U.K.), 2000. 176 pp., illus. £16.99. Quarrying in England from ancient times to the modern day.

RAILROADS

- ▶ Stephen E. Ambrose. **Nothing Like It in the World: The Men Who Built the Transcontinental Railroad, 1863-1869.** Simon & Schuster, 2000. 431 pp., illus. \$28. Focusing on the lives of everyday workers, Ambrose re-tells the story of this engineering triumph that changed our nation.
- ▶ John Belle and Maxinne Leighton. **Grand Central: Gateway to a Million Lives.** Norton, 2000. 230 pp., illus. \$39.95. Beginning with the struggle to save the station, provides a chronology of the previous two stations on the site, the construction of the current one, the emergence of the Metropolitan Transit Authority as the force behind the station's rebirth, and the station's culture.
- ▶ David Brooke, ed. **The Diary of William Mackenzie: The First International Railway Contractor**. Thomas Telford (London), 2000. 610 pp. £29.95. British-born Mackenzie built railroads in France, Spain, and Belgium. Diary from 1840s includes wealth of information on early railroad construction, organization, and finance. Rev: *T&C* (Jan. 2001), p. 166.
- ▶ H. Roger Grant. **"Minnesota's Good Railroad:" The Omaha Road.** *MH 57* (Winter 2000-01), pp. 198-210. Story of perhaps the best-liked and most respected railroad in Minnesota, the Chicago, St. Paul, Minneapolis & Omaha Railway.
- ▶ Alan Ehrenhalt. **A City in Transit.** *Preservation* (Mar./Apr. 2001), pp. 42-49. Snaking its way through Chicago's North Side, the venerable Ravenswood El has accompanied an urban revival.
- ▶ Andy Guy and Jim Rees. **Early Railways: Papers from the 1998 First International Early Railways Conference.** Newcomen Society (The Science Museum, London SW7 2DD U.K.) 350 pp., illus. £39.65 ppd. Incl: Greek, Roman and Medieval railways; horse drawn wagonways; development of steam traction; early railways of Europe and America; British regional aspects; railway engineering; early railway economics; historiography, culture, and collections.
- ▶ Robert A. LeMassena. **The First 4-8-4 and 2-6+6-4 (almost).** *R&LHSN* (Winter 2001), pp. 3-5. Introduction of new wheel arrangements by locomotive builders in early 20th c.
- ▶ Donald R. McQueen and William D. Thomson. **Constructed in Kingston: A History of the Canadian Locomotive Companies 1854-1968.** Canadian Historical Assn., Kingston Div. (Box 1714, Kingston, ON K7L 5V6 Canada). 348 pp., illus. \$66 US, \$76 Can. A comprehensive history of Canada's premiere locomotive building, illustrated by more than 350 photographs. Includes plant development, corporate history, and engine-by-engine production history.
- ▶ Public Archaeology Laboratory. **Amtrak's High Speed Rail Program, New Haven to Boston, History and Historic Resources.** Funded by Amtrak, 2001. 80 pp., illus. History of this section of the Northeast Corridor including survey of stations, railroad maintenance and service facilities, signals and switches, bridges, freight, and industries. Prepared as part

of the mitigation for the high-speed rail program (Acela) that required new rails, signal upgrades, bridge replacements, and curve realignments. Intended for distribution to libraries and schools in CT, MA, and RI.

- ▶ Joe Strapac. **Dieselization?** *Railroad Model Craftsman* (April 2000), pp. 50-51. Proof positive that a steam locomotive could be dieselized. Illustrates several Heisler logging steam locomotives built 1890s-1930s, dieselized in the 1950s.
- ▶ Matt Steinglass. **The Machine in the Garden.** *Metropolis* (Oct. 2000), pp.126-131,167. Compares the project to create Germany's Landscape Park Duisburg Nord, centerpiece of the SIA's Ruhr Valley study tour, to the creation of the Rivers of Steel National Heritage Area in the U.S. Cultural attitudes toward preservation of industrial landscapes are discussed. (Also avail. at www.metropolismag.com/new/oct_content/lat.htm.)
- ▶ John H. White, Jr. **Making Tracks: Jack Casement's Triumph.** *Timeline* (Mar./Apr. 2001), pp. 3-17. Published by the Ohio Hist. Soc. The Painesville, Ohio, contractor who supervised track-laying for the Union Pacific.

WATER TRANSPORT

- ▶ Mike Clarke. **The Steam Tug *Nadbor* and Industrial Archaeology in Poland.** *IA News* (Spring 2001), p. 4. Preservation of Poland's only surviving steam tug in Wrocław.
- ▶ Meg Jones. **Steaming Along the Liquid Highway.** *Milwaukee Journal Sentinel* (April 9, 2000), Lifestyle, pp. 1, 3. Reporter travels on the *M.V. Burns Harbor* and shares onboard life with the crew of an ore carrier on the Great Lakes.
- ▶ Al Miller. **Tin Stackers: The History of the Pittsburgh Steamship Company.** Great Lakes Books, 1999. 352 pp., photos. \$34.95. Comprehensive history of the company, which today operates the USS Great Lakes Fleet, draws upon company records and interviews with crew members.
- ▶ Jim Noles. **A New Opportunity for Old Lighthouses.** *CRM* 24, 2 (2000), p. 39. Legislation enables federal government to more readily convey historic light stations to preservation organizations.
- ▶ Tom Rinaldi. **Shape Up, Ship Out.** *Preservation* (Mar./Apr. 2001), pp. 21-23. Efforts to preserve the *SS United States*. The 1952 ocean liner docked in Philadelphia faces an uncertain future.

AUTOMOBILES & HIGHWAYS

- ▶ Kenneth D. Durr and Philip L. Cantelon. **Never Stand Still: The History of Consolidated Freightways and CNF Transportation Inc.** Rockville, MD: Montrose Pr., 1999. Authorized history of the company that began in 1929 when Leland James purchased four freight lines in the Pacific Northwest. It soon became the largest motor carrier in the West.
- ▶ Sara Amy Leach and Gary Mason. **Cuba: A Century of Car Culture.** *SCA Journal* (Fall 2000), pp. 4-13. Vintage automobiles and pre-Revolution American-built highways, bridges, and roadside architecture abound in Cuba.

- ▶ Tim Moran. **The Radial Revolution.** *I&T* (Spring 2001), pp. 28-39. The development of radial tires and the problems convincing American automobile makers to adopt them.
- ▶ William L. Witmer. **The Cumberland Gap: Coming Full Circle.** *CRM* 24,2 (2000), pp. 23-24. Cumberland Gap NHP surveys and locates the original alignment of the Wilderness Road, and subsequent early 20th-c. automobile roads, for interpretation and hiking trails.

POWER GENERATION

- ▶ Christopher J. Castaneda. **Invisible Fuel: Manufactured and Natural Gas in America.** Twayne (New York), 1999. 250 pp. \$33. Business history with the basic technology, role of prominent individuals, significant companies, public policy. Rev: *T&C* (Jan. 2001), p. 145.
- ▶ Bryn Nelson. **Back on the Farm.** *Newsday* (Sept. 12, 2000) pp. B6-B7, B10. Profile of the annual Western Minnesota Steam Threshers Reunion which swells the population of Rollag, MN, from 30 to tens of thousands. Steam traction engines, a 1903 De La Vergne stationary engine, a steam locomotive, antique tractors, and linotype machines are among the attractions here each Labor Day weekend.
- ▶ Roger M. Olien and Diana Davids Olien. **Oil and Ideology: The Cultural Creation of the American Petroleum Industry.** Univ. of NC Pr., 2000. 305 pp. \$18.95. Development of the oil industry and its public image from 1880 to 1945. Rev: *T&C* (Jan. 2001), p. 143.
- ▶ George Watkins. **Stationary Steam Engines of Great Britain. Vol. 1: Yorkshire; Vol. 2: Scotland, Northumbria, Co. Durham & Cumbria.** Landmark Pub. Inc. (Derbyshire, U.K.; www.landmarkpublishing.co.uk), 2000. First two volumes in a proposed 10 vol. set featuring Watkins's superb work, now in the national archive of photos of stationary steam engines at the English Heritage National Monuments Record Centre, Swindon.

BRIDGES

- ▶ **Bridges to the Past** is a large four-color flyer/map of historic bridges in Arkansas. Avail: Arkansas Historic Preservation Program, 1500 Tower Building, 323 Center St., Little Rock, AR. 72201; info@dah.state.ar.us.
- ▶ David W. Dunlap. **Which Track for the High Line?** *New York Times* (Dec. 31, 2000) Real Estate, pp. 1, 6. Battle over the abandoned 70-year-old NY Central viaduct on the west side of Manhattan. Friends of the High Line propose a second-story promenade linked to the national Rails-to-Trails network but many property owners in the neighborhood are determined to tear it down.
- ▶ **Historic Michigan Bridges Web Site.** *SIAN* (Winter 2001) incorrectly listed the URL for this site. The correct URL is www.mdot.state.mi.us/historic/bridges/
- ▶ William D. Middleton. **High-Speed Rail's 1835 Underpinning.** *I&T* (Spring 2000), pp. 52-55. The stone-arch Canton (MA) Viaduct has a new concrete deck to

accommodate Amtrak's 150-mph Acela Express. Preservation planning by Paul McGinley [SIA], McGinley Hart & Assoc. Project recently won a Concrete in Transit Award from the Portland Cement Assn.

- ▶ Darl Rastorfer. **Six Bridges: The Legacy of Othmar H. Ammann.** Yale Univ. Pr., 2000. 200 pp., illus. \$39.95. Examines the career of the Swiss-immigrant engineer responsible for NYC's great 20th-c. spans: the George Washington, Bronx-Whitestone, Throgs Neck, Triborough, Bayonne, and Verrazano-Narrows bridges. He also supervised the building of the Lincoln Tunnel. Annotated list of all Ammann's built and unbuilt projects. Also includes glossary of technical terms and over 200 archival photos documenting the bridges' construction.

BUILDINGS & STRUCTURES

- ▶ David W. Dunlap. **For 1930s Behemoth, A New Upscale Life.** *New York Times* (Feb. 20, 2000) Real Estate, pp. 1, 6. The Starrett-Lehigh Building is undergoing a transformation as its large spaces and industrial grittiness appeal to new technology and design companies. The 19-story, 1.8 million-sq.-ft. Manhattan landmark was originally built by the Starrett Investing Corp. and the Lehigh Valley RR with such unique features as freight elevators that hoisted trucks to recessed loading bays that aligned their tail gates with floor level.
- ▶ Amy Slaton. **As Near as Practicable: Precision, Ambiguity, and the Social Features of Industrial Quality Control.** *T&C* 42,1 (Jan. 2001), pp. 51-80. Standards for field testing of cement and concrete at early 20th c. construction sites and the implications of decisions about who should do the testing.

WATER CONTROL & RECLAMATION

- ▶ Margaria Ruas dos Santos. **Preservation of an Historic Heritage, EPAL Water Museum as a Cultural, Environmental and Educational Communication Aid.** *IP* v. 4 (2000), pp. 33-38. EPAL (Emprasa Portuguesa das Aguas Livres, S.A.) is the water utility for 2.5 million people in Portugal. The museum consists of four sites: the 30-mile-long Aguas Livres Aqueduct begun in 1723 and completed in 1834; the Amoreiras Reservoir, built in 1752; the Patriarchal Reservoir, built in 1860-64; and the Barbadinhos Steam Pumping Plant, built in 1880.

MINES & MINING

- ▶ Ian Cowburn. **Mining Archaeology, Conservation, Research and Interpretation Policy in France.** *IP* v. 4 (2000), pp. 9-13. France's diverse mining heritage is preserved at about 30 museums and sites.
- ▶ Veronica Fabbri. **The Sulphur-Mining History in Perticara, Scheme and Development of a Museum.** *IP* v. 4 (2000), pp. 25-30. Italian sulphur mines from Roman times to 1964.
- ▶ Douglas Frantz. **How the Nobels Made a Prize of Baku.** *New York Times* (Feb. 3, 2001), p. A4. In Azerbaijan, the name Nobel is synonymous with oil. In 1873, Robert Nobel—brother of Alfred—stumbled upon a fledgling oil industry on a business trip to Russia and bought a small refin-

ery and kerosene plant. The family soon dominated the oil-fields, commissioning the first steam-powered tanker, the Zoroaster, to help transport their product. The large number of oil rigs on the Caspian shore became known as "the Forest of the Nobels."

- ▶ Ian Jack. **The Heritage of Primary Industry in Rural Australia.** *IP* v. 4 (2000), pp. 75-82. The history and problems of preservation of 19th-c. gold and iron mining and processing sites and artifacts in the Outback.
- ▶ Michael Knies. **Coal on the Lehigh, 1790-1827: Beginnings and Growth of the Anthracite Industry in Carbon County, Pennsylvania.** Canal History and Technology Press (Avail: National Canal Museum, 30 Centre Sq., Easton, PA 18042; 610 559-6626), 2001. 83 pp., illus. \$24.70 ppd. Chronicles the early years of trials and tribulations experienced by a series of entrepreneurs before the phenomenal success of the Lehigh Coal & Navigation Co. Early development of anthracite mining and the problems encountered trying to market and transport the new fuel. Based on the author's master's thesis.
- ▶ Barbara A. Milkovich. **It's Gone; Did You Notice? A History of the Mesabi Range Village of Franklin, Minnesota, 1892-1994.** Magarac Books (Huntington Beach, CA), 2000. 170 pp. \$21.95. Franklin was incorporated in 1915 on the eastern Mesabi Range. Expanding open-pit operations resulted in the disappearance of virtually all evidence of residential activity. Rev.: *MH* 57 (Winter 2000-01), p. 214.
- ▶ John D. Wirth. **Smelter Smoke in North America: The Politics of Transborder Pollution.** Univ. of Kansas Pr., 2000. 264 pp. \$35. Legal, political, and diplomatic wrangling over air pollution along the U.S. borders with Canada and Mexico since the early 20th c. Features lead smelter at Trail, British Columbia, and the Phelps Dodge copper smelter at Douglas, AZ. Rev: *T&C* (Jan. 2001), p. 151.

IRON & STEEL

- ▶ Anne Kelly Knowles. **Labor, Race, and Technology in the Confederate Iron Industry .** *T&C* 42,1 (Jan. 2001), pp. 1-26. Labor shortages and slavery hamper the Southern iron industry's attempts to satisfy the requirements of the Confederate army.
- ▶ Patricia Lowry. Places: **Finding Beauty and Meaning in a Post-Industrial Landscape.** *Post-Gazette Magazine* (Feb. 26, 2001). German landscape architects help Pittsburgh and Mon Valley communities look at ways to redevelop former steel mill sites. On-line: www.post-gazette.com/magazine/20010226lowery4.asp.
- ▶ Ernst Schwartzkopf. **Plain and Ornamental Forging.** Reprint ed. EAIA (Book Sales, Linda Stanton, 13231 Cypress-N. Houston Rd., Cypress, TX 77429; (281) 469-6328; LStan48682@aol.com), 2000. 296 pp., illus., softcover. \$18.95. First published in 1916 as a training course to become a blacksmith. Schwartzkopf taught at the Stuyvesant Evening Trade School in New York.

- ▶ **TICCIH Bulletin No. 11** (Winter 2000-01) is a thematic issue devoted to views from around the world of the conservation and re-use of large iron and steel plants: Sagunto, Spain; Nizhny-Tagil, Russia; Seixal, Portugal; Lorraine, France; Blaenavon Industrial Landscape, S. Wales; Sloss Furnaces, Birmingham, U.S.

AGRICULTURE & FOOD PROCESSING

- ▶ William Ashworth. **Between the Trader and the Public: British Alcohol Standards and the Proof of Good Governance.** *T&C* 42,1 (Jan. 2001), pp. 27-50. Traces the development of the hydrometer, used to measure the alcohol content of spirits, according to which 18th-c. British excise duties were levied.
- ▶ **Collections Policies—Outdoor Implements.** *ALHFAM Bulletin* (Winter 2001), pp. 19-20. Pros and cons of storing or operating machinery originally intended for outdoor use. ■

ABBREVIATIONS:

CRM	= Cultural Resources Management, published by the National Park Service
ALHFAM	= Assn. for Living History, Farm and Agricultural Museums Bulletin
CRM	= Cultural Resource Management, published by the National Park Service
EAIA	= Early American Industries Assn.
IA News	= Industrial Archaeology News (UK)
IAR	= Industrial Archaeology Review (UK)
I&T	= American Heritage of Invention & Technology
IP	= Industrial Patrimony (FRA), Journal of the Int'l Committee for the Conservation of the Industrial Heritage (TICCIH)
MH	= Minnesota History
MHR	= Material History Review (CAN)
SCA	= Society for Commercial Archeology Journal
T&C	= Technology & Culture: Quarterly of the Society for the History of Technology

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We endeavor to make citations as complete as possible, but they are from a variety of sources, and are sometimes incomplete. If a date, publisher, price, or other statistic is missing, it simply means that it was unavailable, and, unfortunately, we do not have the time to track down these missing bits. The SIA, unless otherwise noted, is not a source for any of the cited works. Readers are encouraged to use their library, bookstore, computer, or school for assistance with locating books or articles.



SOCIETY FOR INDUSTRIAL ARCHEOLOGY

NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 30, Nos. 3-4

Summer-Fall 2001

COMPILED BY

Mary Habstritt, New York, NY; and Patrick Harshbarger, SIAN editor.

GENERAL INTEREST

- ▶ Arnold Alanen and Robert Z. Melnick, eds. **Preserving Cultural Landscapes in America**. Johns Hopkins Univ. Pr., 2000. 250 pp. \$45; \$22.50 paper. Essays suggest new ways to interpret and preserve places where landscapes intersect with built forms and social life.
- ▶ Jeffrey Auerbach. **The Great Exhibition of 1851: A Nation on Display**. Yale Univ. Pr., 1999. 279 pp. \$40. The cultural and social meaning of the exhibit, long held to mark the high point of the British ascendancy to industrial supremacy. Rev: *T&C* (Apr. 2001), pp. 341-43.
- ▶ Brenda Brown. **Reconstructing the Ruhrgebiet**. *Magazine of the American Society of Landscape Architects*, v. 4 (April 2001), p.66. Illustrated essay, including some sites and views seen on the 2001 SIA study tour to Germany.
- ▶ Wolfgang Ebert. **Kathedralen der Arbeit: historische Industriearchitektur in Deutschland** (Cathedrals of Work: Historical Industrial Architecture in Germany). Tubingen: Wasmuth, 1996. 176 pp., photos, maps. DM 128.00 (Avail.: buch.netstoreusa.com, US \$89.40, or amazon.de.) By the mastermind of SIA's Ruhr tour and the Route Industriekultur, this photo album documents a selection of Germany's important industrial complexes from the Völklinger Hütte iron-works to the Zeche Zollern II/IV coal mine in Dortmund.
- ▶ Shane Gould. **The Identification, Recording and Management of the More Recent Archaeological and Architectural Heritage of Essex**. *IAR* 23,1 (2001), pp. 11-24. The public administration of IA at the county level in the United Kingdom.
- ▶ Kenneth Hudson. **Has Industrial Archaeology Lost Its Way?** *IAR* 23,1 (2001). Published posthumously, Hudson's thoughts on expanding the field of IA to be more inclusive of a greater variety of workplaces. Provocatively suggests renaming the field "work archaeology."
- ▶ Paul Israel. **An Inventor's Wife: Mina Edison**. *Timeline* (May/June. 2001), pp. 2-19. "Could the genius of electricity find happiness with an Akron socialite half his age?" *Timeline* is published 6 times per yr. by the Ohio Hist. Soc., 1982 Velma Ave., Columbus, OH 43211. \$30/yr.
- ▶ **Journal of Vermont Archaeology**. Vol. 1 (1994) includes, Victor R. Rolando, *The Industrial Archaeology Study of Vermont: 1978-1993*; Vol. 2 (1997) includes Robert M. Sanford, et. al., *Reading the Landscape: Inference of Historic Land Use in Vermont Forests*, and Scott McLaoughlin, *Missisquoi Bay Barges Underwater Archaeological Survey*; Vol. 3 (2000) includes Charity M. Baker, *Waterpower on the Winooski: The S. A. Brownell Site as an Archaeological and Educational Resource*, and Victor R. Rolando, *Archeology at the United States Pottery Co. Site in Bennington, VT*. Published by the Vermont Archaeological Soc., Box 663, Burlington, VT 05402; vrolando@sover.net.
- ▶ Carol Kammen and Norma Prendergast, ed. **Encyclopedia of Local History**. American Assoc. for State & Local History and AltMira Pr. (1-800-462-6420), 2000. 560 pp. \$79.95. Essays on an eclectic assemblage of topics, concepts, resources, and organizations frequently encountered in local history research. Includes some subjects of interest to IA, e.g., HABS/HAER, Sanborn maps, mining, landscapes, etc.
- ▶ **Keeping the Peace and Protecting Our Heritage** is a theme issue of *CRM: Cultural Resource Management*, vol. 24, 3 (2001) devoted to archeology and historic preservation in the Dept. of Defense. Several articles related to industrial archeology including fortifications, military base infrastructure, aircraft hangars, and underwater shipwrecks. *CRM* is published by the National Park Service. Electronic version can be accessed at www.cr.nps.gov/crm.
- ▶ John Lauritz Larson. **Internal Improvement: National Public Works and the Promise of Popular Government in the Early United States**. Univ. of NC Pr., 2001. 344 pp., \$55. Roads, canals, bridges, libraries, and universities from the perspective of a political economist.
- ▶ Steven Litt. **Creating a Future for Our Industrial Past**. *The Plain Dealer*, November 21, 2000, pp.1-A, 10A-11A. Discusses proposed industrial heritage corridor for the Cuyahoga Valley in Cleveland.
- ▶ **New England SIA Chapters Newsletter**, v. 21,1 (2001) includes, Jonathan Kranz, *An Inside Look at the Old Charles Street Jail* (Boston); Linda U. Bornstein & Kenneth Schwarz, *Wood Forges* (wood box forges used in remote logging operations, rural farms, small villages and shops); Matthew Kierstead, *Northeast Corridor Improvement Project*; Matthew Kierstead, *Two Landmark Rhode Island Bridges to be Demolished* (Sakonnet River Bridge and Jamestown Bridge); Bob Stewart, *The Catenary System of the New York, New Haven & Hartford*. Avail. with local chapter membership. Northern NE Chapter, c/o. Herman Brown, 250 W. Shore Rd., Grand Isle, VT 05458, \$10/yr.; Southern NE Chapter, c/o Robert Stewart, 1230 Copper Hill Rd., West Suffield, CT 06093, \$15/yr.
- ▶ Stephen Van Dulken. **British Patents of Invention, 1617-1977: A Guide for Researchers**. British Library, 1999. 211

pp. £39. The historical background of the patent system. Appendix covers how to search for a British patent in the holdings of the British Library, Patent Office, or Public Record Office. Rev: *T&C* (Apr. 2001), pp. 340-41.

RAILROADS

- ▶ Robert G. Angevine. **Individuals, Organizations, and Engineering: U.S. Army Officers and the American Railroads, 1827-1838.** *T&C* (Apr. 2001), pp. 292-320. Army officers provide guidance and survey early American railroads.
- ▶ Anthony J. Bianculli. **Trains and Technology: The American Railroad in the Nineteenth Century. Vol. 1: Locomotives.** Univ. of Del. Pr., 2001. 241 pp., illus., index, glossary. \$59.50. Evolution of locomotive technology from simple beginnings to the varied and specialized machines of later periods. First in a 4-vol. reference set written and edited to be easily understood, free of jargon, and based on current scholarship. Future subjects include cars, track, structures, bridges and tunnels, and signals.
- ▶ Brian J. Cudahy. **The Malbone Street Wreck.** Fordham Univ. Pr., 1999. 268 pp., illus., index. \$32.50; \$20 paper. Analysis of the infamous 1918 accident on Brooklyn Rapid Transit. During a wildcat strike, a replacement motorman took a sharp curve on a tunnel approach at a high rate of speed and the derailment killed 97, injured 100, and bankrupted the BRT.
- ▶ Mary Hamilton Dann. **Rochester and Genesee Valley Rails.** Railroad Research Publications (PMB 266, 3400 Ridge Rd. West, Ste. 5, Rochester, NY 14626; rpubl@frontiernet.net), 2001. \$39.95. Illustrated history of the Upstate NY railroads.
- ▶ Bodo von Dewitz and Jochen Heufelder. **Unter Schienen schweben** (Under Suspended Rail). Steidl, 1999. (Avail.: Museum Ludwig / Agfa Photo-Historama, Bishchofsgartenstrasse 1, D-50667 Köln, Germany.) 111 pp., illus. DM 30. The title refers to the Wuppertal Schwebebahn, a unique suspended monorail [tour site, 2001 SIA Ruhr Study Tour]. This documentary was printed to commemorate the Schwebebahn's centenary and contains over 75 historic photos with a 20 p. introduction. In German.
- ▶ Geoffrey H. Doughty. **Buffalo Blues.** *RH* 184 (Spring 2001), pp. 104-109. Difficulties of preserving Buffalo (NY) Central Terminal.
- ▶ **History of Wrecks.** *RH* 184 (Spring 2001), pp. 20-77. Respected railroad historians analyze a subject that has brought out the worst and best of railroading scholarship.
- ▶ **Railroad Heritage** is the quarterly magazine of the Center for Railroad Photography and Art (Box 259330, Madison, WI 53725; www.railphoto~art.org). Articles examine the work of railroad photographers and artists. No.3 (2001) includes *Stitt's B&O Legacy Continues*; *Ganaway Captures Train's Spirit*; *Photo by Rittase*; *Nickel Plate Road by Bob Lorenz*; *Patten's Distinctive Designs*; *Two PA's Return for Restoration*; *Bubleby Builds Photo Archive*.
- ▶ Jeff Schramm. **Foreigners.** *RH* 184 (Spring 2001), pp. 8-19. Why German diesel-hydraulic locomotives were imported into the U. S. beginning in the 1950s.
- ▶ **Timber Transfer** is the magazine of the Friends of the East Broad Top Railroad (Huntington County, PA). It features

stories and news of the EBT, including keeping its members up-to-date on efforts to preserve one of America's premiere narrow-gauge steam railroads. Avail. with membership to the Friends group, \$25/yr. Info: Peter A. Clarke, 10428 Carlyn Ridge Rd., Damascus, MD 20872; febt@aol.com.

WATER TRANSPORT

- ▶ Gerald J. Barry. **The Sailors' Snug Harbor: A History, 1801-2001.** Fordham Univ. Pr., 2000. 224 pp. illus. \$27.95; \$20 paper. Snug Harbor served as a retirement home for naval and merchant seamen for 140 yrs. Its endowment allowed it to become a self-sufficient community with a bake house, hospital, blacksmith, carpenter and machine shops, laundry, chapel, music hall and morgue. Of over 50 structures, 28 remain and many are occupied by arts and community organizations as the city slowly continues restoration.
- ▶ Raymond J. Baxter and Arthur G. Adams. **Railroad Ferries of the Hudson: And Stories of a Deckhand.** Fordham Univ. Pr., 1999. 272 pp., illus., maps. \$35; \$19.95 paper. Revision and update of the 1987 edition published by Lind Publications.

AUTOMOBILES & HIGHWAYS

- ▶ Michael Lamm. **Ring Out the Olds.** *I&T* (Summer 2001), p. 7. GM discontinues its venerable Oldsmobile line.
- ▶ Harold Meeks. **On the Road to Yellowstone: The Yellowstone Trail and American Highways, 1900-1930.** Pictorial Histories Pub. (713 S. Third St. W., Missoula, MT 59801; (406) 549-8488; phpc@montana.com), 2000. 208 pp., illus. \$18.45 ppd. Development of early automobile tourist route across northern tier of U.S.

AVIATION

- ▶ Stewart Nelson. **Airports Across the Ocean.** *I&T* (Summer 2001), pp. 32-37. For a while in the 1920s and 1930s, a series of floating landing strips looked like the future of travel to and from Europe.
- ▶ Eric Schatzberg. **Wings of Wood, Wings of Metal: Culture and Technical Choice in American Airplane Materials, 1914-1945.** Cultural and social factors contribute to the triumph of metal over wood. Princeton Univ. Pr., 1999. 313 pp. \$49.50. Rev: *T&C* (Apr. 2001), pp. 370-372.
- ▶ Mark Wolverton. **The Airplane That Flew into Space.** *I&T* (Summer 2001), pp. 12-20. How the X-15 became the most valuable and successful research plane ever built.

BUILDINGS & STRUCTURES

- ▶ Angus Phillips. **Tall Order: Cape Hatteras Lighthouse Makes Tracks.** *National Geographic*, May 2000, pp. 98-105. Story of the move includes a diagram of the system of beams, rams, and cribbing (and a lot of lubricating soap) that made it all possible.
- ▶ Jim Rasenberger. **Cowboys of the Sky.** *NY Times*, Sun. Jan. 28, 2001, section 14, p. 1, 11. What work and life is like for ironworkers on the skyscrapers of New York. Includes nomenclature.
- ▶ **Structurae: International Database and Gallery of Structures.** Trilingual website lists major structures, mostly bridges, of civil engineering interest around the world and provides technical data and a chronology for each as well as a

list of related Web sites. Although it intends to include both modern and historic structures, most are recently built. Designers and firms can be searched by name for biographical information and a list of works. <http://www.structurae.de/>

BRIDGES

- ▶ Lola Bennett and Richard Kaminiski. **Lower Merrimack River Bridges.** *Civil Engineering Practice: Journal of the Boston Society of Civil Engineers Section/ASCE*, v. 15, 2 (Fall/Winter 2000), pp. 43-62. Photo essay and brief histories of 24 bridges from Tyngsborough, MA, continuing downstream to Newburyport.
- ▶ Lawrence Biemiller. **An Old Bridge Spans Lessons in History and Engineering.** *Chronicle of Higher Education* (Apr. 20, 2001), p. A72. Henszey's 1869 wrought-iron arch-truss bridge at Wanamakers, PA. Students study bridge engineering and history, and work to restore bridge, which will be relocated to Central Pennsylvania College campus near Harrisburg.
- ▶ Paul Gottbrath. **Oregonia Bridge Tumbles into River.** *Cincinnati Post*, Mar.13. 118-yr. old, 220-ft.-long, metal-truss bridge in Warren Co.,OH, collapses. Closed to vehicular traffic in 1990 and unmaintained.
- ▶ Alan Holgate. **The Art of Structural Engineering: The Work of Jörg Schlaich and his Team.** Stuttgart: Edition Axel Menges, 1997. 294 pp., illus. \$98. Several bridges by this designer were seen, and walked upon, by attendees of the Ruhr study tour in Duisburg and Gelsenkirchen. This book surveys the Schlaich oeuvre, which ranges from cable-net and membrane roofs to inventive bridges and new solar-energy devices. It covers the history of many of the projects in which he and his partners have been involved and tells something of his philosophy of design.

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With Thanks.

- ▶ Reed Karaim. **A Bridge Too Far.** *Preservation* (July/Aug. 2001), pp. 62-65. Reopened 30 years ago in the Arizona desert, London's landmark span doesn't look as lost as you might expect.

WATER CONTROL & RECLAMATION

- ▶ Janice Petterchak. **Taming the Mississippi: My Turn at Watch, William H. Klingner, 1935-1999.** Legacy Pr., 2000. (Avail.: Upper Mississippi, 1, and Missouri River Foundation, 201 W. Fairground Ave., Hillsboro IL 62049; 217-532-5458; ink@cillnet.com.) 208 pp., illus., maps. \$10. Combines the history of flood control with a biography of Klingner, an engineer whose career spanned 60 years. Early river history and federal policy.

POWER GENERATION

- ▶ T. Lindsay Baker, ed. **Windmillers' Gazette.** Quarterly. Avail: Box 507, Rio Vista, TX 76093. Dedicated to the preservation of America's wind-power history and heritage. Vol. 20,1 (Winter 2001) includes *The Fairbury No. & Windmill: The Pride of The Fairbury Line*; Vol. 20,2 includes *Eclipse Copies: Eclipse-Style Windmills Made by Firms Other Than Fairbanks, Morse & Co.*; Vol. 20,3 (Summer 2001) includes *Dempster News* (reprint of Nov. 1926 in-house newsletter of the Dempster Mill Manufacturing Co., Beatrice, NB) and *Wind Engine Study Tour in France: An Examination of Bollée Wind Machines*.

IRON & STEEL

- ▶ Thomas E. Crowl. **Cherry Valley's Coke Ovens.** *Timeline* (July/Aug. 2001), pp. 28-41. Coke ovens are all that remain of Cherry Valley Iron Co., northern Columbiana County, OH.

MINES & MINING

- ▶ **From Alabama's Past, Capitalism and Racism in Cruel Partnership.** *Wall Street Journal*, July 16, 2001, p. 1. Coal mines in and around Birmingham leased African-American convicts until 1928. Credits Jack Bergstresser [SIA] for rediscovering the U.S. Steel cemetery for prisoners who died under the harsh working conditions.
- ▶ Sandy Gerard. **The Early British Tin Industry.** Tempus Pub., 2000. 160 pp., illus. £14.99. History of hydraulic tin exploitation in Cornwall. Process known as stream-working. Rev: *IAR* v. 23,1, p. 69.
- ▶ Ray Riley. **Coal Mining in Upper Silesia 1880-1939: Some Surviving Surface Installations.** *IAR* 23,1 (2001), pp. 37-53. Survey of impressive number of surviving coal mines in Poland.

TEXTILES

- ▶ George William Shea. **Spoiled Silk: The Red Mayor and the Great Paterson Textile Strike.** Fordham Univ. Pr., 2001. 240 pp., illus. \$30; \$20 pap. The story of William Brueckmann and his wife Katherine, immigrants from Germany who were committed to a socialist vision and worked to improve the lives of their fellow immigrants. Central to their tale is the 1913 strike in the textile mills of Paterson, N.J. Workers heard that a new type of loom was being brought in that would put many out of work and called in the Wobblies. The Paterson authorities moved quickly to

crush the strike, but Brueckmann, mayor of neighboring Haledon, offered the strikers safe haven in his town. Thus began a long and bitter struggle that brought thousands of mill workers to Haledon and the city of Paterson to its knees.

AGRICULTURE & FOOD PROCESSING

- **ALHFAM Bulletin.** Vol. 31,1 (Spring 2001) is an issue devoted to agricultural machinery. Includes, Frank White, *Old Fashion "Bow Ties" for Cows* (lightweight versions of ox bows); Wayne Randolph, *The Shovel Plow: An Euro-American Ard*; Leo Landis, "Some Years Yet to Perfect It": *A Brief History of the Combine; A Survey of Tractors at the Henry Ford Museum, 1904-1953*; Debra Reid, *Agricultural Machinery in ALHFAM Publications*; Duane Smith, *Backbands, Hames, and Chains: Changing Gears on Plantation Mules*. The Bulletin is avail. with membership to ALHFAM (Assn. for Living History, Farm and Ag. Museums), www.alhfam.org.
- Robert Franklin. **Flour Power**. *Minneapolis Star Tribune*, May 21, 2001. Schech's Mill (Caledonia, MN) is the last of the state's once numerous water-powered mills with original equipment. "Direct-drive" waterpower system, dating to ca. 1880. Open for tours, but looking for state assistance to restore the raceways and dam.
- Dennis Godfrey. **Plans to Develop Old Plant Stalls at \$ Sign.** *Arizona Republic* (Jan. 5, 2001). Attempts to preserve ca. 1900 Glendale sugar beet factory.
- Donald Holley. **The Second Great Emancipation: The Mechanical Cotton Picker, Black Migration, and How They Shaped the Modern South.** Univ. of Ark. Pr., 2000. 274 pp. \$36. The adoption of the picker was the consequence of low-quality labor and out-migration. Rev: T&C (Apr. 2001), pp. 350-52.
- Amber Patrick. **Ups and Downs in the Malting Industry**. *IA News* (Summer 2001), pp. 2-3. Documentation of flour malting in Norfolk and Devon.
- Lynn Pearson. **British Breweries: An Architectural History.** Hambledon Press, 1999. 256 pp., illus. £25. Development of plants and buildings. Directory of architects.
- Donald D. Stull. **On the Cutting Edge: Changes in Midwestern Meatpacking Communities.** Society for the Study of Local and Regional History, P.O. Box 291, Marshall, MN 56258 (507/537-7373), 1997. 29 pp. \$4.50 ppd. Economic and human consequences of the new decentralized meatpacking and poultry-dressing industries.
- Curt Wohleber. **From Cheese to Cheese Food.** *I&T* (Summer 2001), pp. 8-9. The story of James I. Kraft, who persuaded Americans to accept cheese by divorcing it from its microbe-laden origins.

LOGGING & LUMBERING

- Nicole Hayler, ed. **Sound Wormy: Memoir of Andrew Gennett, Lumberman.** Univ. of Georgia Pr., 2002. 248 pp., photos, \$34.95. Beginning with the purchase of a tract of timber along the Chattooga River, the author founded the Gennett Lumber Co. with his brother and became one of south's most successful lumbermen. His reminiscences include details of how trees were felled, trimmed by hand, dragged down mountain slopes by draft animals, floated downstream or carried by rail to the mill, and then sawn, graded, and stacked for drying. He also tells of dealings in the land market, where

kinship and custom were on equal footing with the law.

MISC. INDUSTRIES

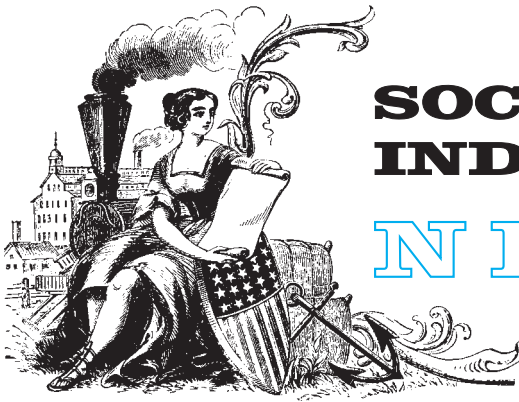
- Silvio A. Bedini. **With Compass and Chain: Early American Surveyors and Their Instruments.** Professional Surveyors Pub. Co. (1713-J Rosemont Ave., Frederick, MD 21702; (301) 682-6101; www.profsurv.com), 2001. 746 pp., illus., index. \$80 ppd. Well-researched biographical essays on early American instrument makers, cartographers, and surveyors yield a wealth of information about the history of land surveying from colonial period to mid-19th c.
- Chris Bradley. **Potters' Milling—An Early Ball Mill Rescued.** *IA News* (Summer 2001), pp. 6-7. Used to grind hard materials—bone, flint, feldspar, limestone, magnesite—used by potters in Staffordshire. Early 20th c. mill is believed to be oldest for that use in England. Six-ft. diameter cylinder has a lining of silica blocks and is half filled with large flint pebbles.
- W. D. Cocroft. **Dangerous Energy: The Archaeology of Gunpowder and Military Explosives Manufacture.** English Heritage, 2000. 384 pp., illus. £45. Recording work triggered by the British government's abandonment of munitions installations in the 1990s. Focus on site layout, manufacturing flow lines, power sources, and transportation links. Rev: *IAR* v. 23,1, p. 70.
- Thomas A. Kinney. **Flowers on the Roof: Charles E. Adams, Industrial Reformer**. *Timeline* (July/Aug. 2001), pp. 16-27. Cleveland Hardware & Forging Co., manufacturer of carriage and automobile hardware. Head of the firm was a widely admired Progressive reformer.

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IA News	= Industrial Archaeology News (UK)
IAR	= Industrial Archaeology Review (UK)
I&T	= American Heritage of Invention & Technology
T&C	= Technology & Culture: Quarterly of the Society for the History of Technology

Publications of Interest is compiled from books and articles brought to our attention by you, the reader. SIA members are encouraged to send citations of new and recent books and articles, especially those in their own areas of interest and those obscure titles that may not be known to other SIA members. *Publications of Interest* c/o **SIA Newsletter**, 305 Rodman Road, Wilmington, DE 19809; phsianews@aol.com.

We endeavor to make citations as complete as possible, but they are drawn from a variety of sources, and sometimes are incomplete. If a date, publisher, price, or other statistic is missing, it simply means that it was unavailable, and, unfortunately, we do not have the time to track down these missing bits. The SIA, unless otherwise noted, is not a source for any of the cited works. Readers are encouraged to use their library, bookstore, computer, or school for assistance with locating books or articles.



SOCIETY FOR INDUSTRIAL ARCHEOLOGY NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 31, No. 1

Winter 2002

COMPILED BY

Mary Habstritt, New York, NY; and Patrick Harshbarger, SIAN editor.

GENERAL INTEREST

- Michael Thad Allen and Gabrielle Hecht. **Technologies of Power.** MIT Press, 2001. 520 pp., illus. \$24.95. Essays explore how people embed their authority in technological systems. Written in honor of scholars Thomas Park Hughes and Agatha Chipley Hughes.
- Nigel Balchin and Peter Filby. **A Guide to the Industrial Archaeology of Cambridgeshire & Peterborough.** Assn. for Industrial Archaeology (UK), 2001. AIA's gazetteer, produced for the 2001 annual conference in Cambridge. Fen drainage, transportation, wind- and waterpowered mills, lime and cement industry, public utilities, telecommunications.
- David E. Brown. **Inventing Modern America: From the Microwave to the Mouse.** MIT Press, 2001. 200 pp., illus. \$29.95. Profiles 35 inventors who exemplify the rich technological creativity of the U.S. over the past century.
- **Industrial Sites on the UNESCO World Heritage Web Site.** www.unesco.org/whc/sites/industrial. Historic industrial sites on the UNESCO World Heritage List. Links to each site with photos and descriptions. Indexed by country. From Neolithic Flint Mines in Belgium to the Darjeeling Himalayan Railway in India.
- Bruce J. Noble, Jr. "Lord Willing n' the Creek Don't Rise": **Flood Sustainability at Harpers Ferry National Historical Park.** CRM, No. 8, 2001. Efforts to protect historic industrial sites, structures, and exhibits from flooding. Part of CRM theme issue on emergency preparedness.
- Robert W. Passfield. **Commemorating Historic Engineering Landmarks in Canada.** *ASCE International Engineering History and Heritage, Proceedings of Third National Congress, Houston, TX.* ASCE (Reston, VA), 2001, pp. 175-84. Canadian approach and guidelines developed for evaluating and commemorating historic engineering landmarks, and what has been done to date.
- **World Archaeology.** (Avail: Routledge, Taylor & Francis; 1-800-821-8312; www.tandf.co.uk). \$63/yr. Journal deals with archeology on a world-wide, multi-period basis, with occasional articles/theme issues of IA interest. Recent or forthcoming issues include: food technology in its social context, shipwrecks, the archeology of slaves and slavery.
- small horsecar and railroad car manufacturer, through its emergence as a world leader in trolley car and truck construction, to its demise in the mid. 20th c.
- Jane Fishman. **Railroad Boomer Would Like to See Downtown Savannah's Tracks Active Again.** *Savannah Morning News* (Oct. 31, 2001). Dave Lathrop, curator of Savannah's Historic Railroad Shops (tour site—1999 Annual Conference), hopes to put electric trolleys back on city streets.
- James Glanz. **The Hudson Tube: From 70's Relic, a Possible PATH Station.** *NY Times* (Nov. 13, 2001). Old Hudson & Manhattan RR station, abandoned since early 1970s, on the eastern edge of the World Trade Center site, could be reopened to replace the subway station crushed by the Sept. 11 disaster.
- Vern Glover. **The Deming, New Mexico, Depot.** *R&LHS Newsletter* 21,4 (Autumn 2001), p. 11. Preservation of depot where Santa Fe and Southern Pacific joined rails in 1881.
- Aaron Isaacs. **Birth of a New Museum?** *RMQ*, v. 21 (Summer 2001), pp. 2-6. Review of meeting to establish a South Shore Railroad museum commemorating history of interurban line between Chicago and northern Indiana.
- Aaron Isaacs. **Rebirth at the Cumbres & Toltec.** *RMQ*, v. 21 (Fall 2001), pp. 5-9. Recent efforts to keep the historic narrow-gauge steam railroad in Colorado and New Mexico operating.
- Robert LeMassena. **Additional Notes.** *R&LHS Newsletter* 21,3 (Summer 2001), pp. 3-5. Succinct account of factors affecting steam locomotive fuel consumption.
- Norris Pope. **Dickens's "The Signalman" and Information Problems in the Railway Age.** *T&C* (July 2001), pp. 436-461. A Dickens short-story is used as a touchstone for examining mid-19th-c. railway signalling technology and practice and public attitudes toward railroad safety.
- Elsie Voigt. **Diesel Engineers Remember ALCOs, FMs, EMDs, and GEs.** *R&LHS Newsletter* 21,4 (Autumn 2001), pp. 5-6. Engineers recall the handling qualities—their likes and dislikes—of a variety of locomotives.

WATER TRANSPORT

- Yudhijit Bhattacharjee. **Persian Canal Discovery Is Testament to Ancient Engineering Skills.** *NY Times* (Nov. 13, 2001). Archeologists have found a canal built by Xerxes in 480 B.C. through a rocky peninsula in northern Greece. Approximately 1.25 miles long, it was built for the galleys used in the Persian conquest of Greece. It was later abandoned, filled with sediment, and lost to history. Although

RAILROADS

- Debra Brill. **History of the J. G. Brill Co.** Indiana Univ. Pr. (1-800-842-6796), 2001. 272 pp., photos. \$44.95. Story of Philadelphia's J. G. Brill, from its establishment in 1868 as a

ancient Greek texts referenced the canal, some historians had doubted the canal's existence, arguing that construction would have been an impossible task for workers of that day.

- Charles W. Ebeling. **You Call That Damn Thing A Boat?** *I&T* (Fall 2001), pp. 24-27. History of the Whaleback freighter. Includes *S.S. Meteor* (tour site, 2000 Annual Conference—Duluth).
- Claire Peachey. **Field Conservation on the Housatonic and Hunley Shipwreck Excavations.** *CRM*, No. 6 (2001), pp. 8-10. Conservation techniques for working underwater, shipboard, and in cramped quarters while excavating Civil War shipwrecks in South Carolina coastal waters.
- Bill Trout. **The Upper James Atlas: Rediscovering River History in the Blue Ridge and Beyond.** Virginia Canals & Navigation Society (4066 Turnpike Rd., Lexington, VA 24450), 2001. 114 pp. \$20 ppd. 12th in a series of guidebooks to canals, mills, furnaces, batteau sluices, and other historic sites on Virginia's river system. See listing, www.batteau.org.

AUTOMOBILES & HIGHWAYS

- Gijs Mom and David Kirsch. **Technologies in Tension: Horses, Electric Trucks, and the Motorization of the American City.** *T&C* (July 2001), pp. 489-518. The initial success and eventual demise of the electric truck offers a window into the evolutionary process by which trucks gradually displaced horses.

BRIDGES

- **Canton Viaduct Web Site.** <http://members.home.net/thecantonviaduct>. Info on the 1835 stone-arch Canton (MA) Viaduct includes bibliography, links to related Web sites, gifts with images of viaduct. Prepared by Ed Costanza.
- Lilia d'Acres and Donald Luxton. **Lions Gate.** Talonbooks, 1999. 175 pp., illus. \$34.95. Vancouver, Canada's Lions Gate Bridge, completed in 1938. Innovative use of prefabricated strands for the suspension cables.
- Robert Hadlow. **Elegant Arches, Soaring Spans: C. B. McCullough, Oregon's Master Bridge Builder.** Oregon St. Univ. Pr. (<http://osu.orst.edu/dept/press>), 2001. 224 pp., illus. \$24.95.
- Robert W. Jackson. **Rails Across the Mississippi: A History of the St. Louis Bridge.** Univ. of Illinois Pr. (1-800-545-4703), 2001. 265 pp., illus. \$34.95. A fresh look at the 1874 Eads Bridge. Chronicles the grand dreams, shady politics, daring engineering experiments, greed, ambition, and westward expansion that fed into the successful construction of the world's first long-span steel arch bridge.
- William D. Middleton. **The Bridge at Quebec.** Indiana Univ. Pr. (1-800-842-6796), 2001. 216 pp., photos. \$39.95. Illustrated account of the long effort to build a bridge across the St. Lawrence, with particular emphasis on the 1907 collapse.
- Robert W. Passfield. **Construction of the Victoria Tubular Bridge.** *Canal History and Technology Proceedings, Vol. XX* (National Canal Museum, Easton PA), 2001, pp. 5-52. illus. Traces the design and construction of a 25-span, 6,592-ft.-long, tubular railway bridge, erected across the St. Lawrence at Montreal in 1856-60. The world's then-greatest bridge construction project was transformed from a costly failure into a triumph of construction engineering through innovative adaptations of steam power to speed construction and reduce manpower demands. Among the innovations were steam-powered dredges, pile drivers, traveling gantry cranes, barge jib-cranes, and centrifugal pumps; the introduction of a novel steam-powered trussed boom derrick, North American building technology (rock-filled timber crib caissons, staging construction of timber trestle bents, and wood Howe trusses), as well as "just-in-time" material delivery system and unconventional pay incentives for workers.
- Donald Sayenga. **Ellet and Roebling.** 2nd. ed. Canal History and Technology Press (30 Centre Sq., Easton, PA 18042; 610-559-6613), 2001. 71 pp., illus. paper \$15.70 ppd. Chronicles the lives and accomplishments of two mid-19th-c. engineering geniuses: Charles Ellet, Jr., and John A. Roebling, pioneers in the use of wire rope in bridge design. First published in 1983, revised second edition includes corrections, new pictures, captions, plus notes.

CONTRIBUTORS TO THIS ISSUE

Susan Appel, Champaign, IL; Paul Bartczak, New York, NY; Herman C. Brown, Grand Isle, VT; Arlene Collins, Houghton, MI; Ed Costanza, Chandler, AZ; Karin DuPaul, St. Paul, MN; Don Durfee, Houghton, MI; Betsy Fahlman, Tempe, AZ; Gray Fitzsimons, Lowell, MA; Tom Flagg, New York, NY; James Gilbeau, New Orleans, LA; Huntly Gill, New York, NY; Mary Habstritt, New York, NY; Bob Hadlow, Portland, OR; Neill Herring, Jesup, GA; Forest Holzapfel, Marlboro, VT; Elliot Hunt, Hoboken, NJ; Bob Kapsch, N. Potomac, MD; Paul Lusignan, Washington, DC; Lee Maddex, Morgantown, WV; Christopher Marston, Washington, DC; Pat Martin, Houghton, MI; Lance Metz, Easton, PA; Carol Poh Miller, Cleveland, OH; Larry Mishkar, Houghton, MI; James C. Owens, Pittsford, NY; Vance Packard, Thornhurst, PA; Robert Passfield, Ottawa, ON; Bierce Riley, Morristown, NJ; Justin Spivey, Brooklyn, NY; Jim Stewart, Churchville, NY; Robert Talbot, ID; Bill Trout, Richmond, VA; Robert Vogel, Washington, DC.

With Thanks.

BUILDINGS & STRUCTURES

- Kathryn Bishop Eckert. **The Sandstone Architecture of the Lake Superior Region.** Wayne State Univ. Pr., 2000. 324 pp., illus. \$39.95. History of quarrying operations and Lake Superior sandstone architecture in Marquette, Michigan's copper country, the Chequamegon Bay area, and Duluth-Superior. Rev: VAN (Fall 2001), pp. 27-28.
- Margaret Heilbrun. **Inventing the Skyline: The Architecture of Cass Gilbert.** Columbia Univ. Pr., 2000. 312 pp., illus. \$50. Architect of Manhattan's Woolworth Building and the Minnesota State Capitol. Examines the creative process of design and the practical aspects of managing a large architectural practice through the archival drawings and records of Gilbert's office. Rev: VAN (Fall 2001), pp. 34-35.
- Sally McMurry and Annmarie Adams, eds. **People, Power, Places: Perspectives in Vernacular Architecture VIII.** Univ. of Tenn. Pr., 2000. 295 pp., illus., \$30. Articles from papers presented at 1996/1997 Vernacular Architecture Forum conferences. Of IA interest: origins of balloon framing in Midwest farmhouses; adaptive reuse of trolley cars for cottages;

workers' housing in Milwaukee; manufacturing spaces at the Massachusetts State Prison; housing for working women at the Eleanor Clubs in Chicago. Rev: VAN (Fall 2001), pp. 28-29.

POWER GENERATION

- T. Lindsay Baker, ed. **Windmillers' Gazette**. Quarterly. Avail: Box 507, Rio Vista, TX 76093. www.windmillersgazette.com. \$20/yr. Dedicated to the preservation of America's wind-power history and heritage. Vol. 20,4 (Autumn 2001) includes *The Railroad Eclipse Copies* (windmills patterned after Eclipse Co.'s large-diameter windmills for pumping boiler water for steam locomotives).
- Raoul Drapeau. **Pipe Dream**. *I&T* (Winter 2002), pp. 24-35. Building the Canol pipeline through the Yukon's arctic wilderness during WWII. Designed to supply the U.S.'s armed forces in Alaska with a reliable source of fuel, the line operated for only a short period and then was shut down because of high costs and engineering difficulties.
- David G. Edwards. **Historical Gazetteer and Bibliography of By-Product Coking Plants in the United Kingdom**. Merton Priory Press (Cardiff), 2001. 80 pp., illus. £12.50. Rev: *IAR* 118 (Autumn 2001), p. 18.
- Andy Fahrenwald. **Knight Foundry Water Dimensions**. *The Knight Club Noon Whistle*, No. 2 (Nov. 2001), pp. 4-7. Waterpower development and the Knight Wheel (impulse turbine) at the Knight Foundry, Sutter Creek, CA (tour site, 1996 Annual Conference—Sacramento), the last waterpowered iron foundry in the U.S. *The Noon Whistle* is the newsletter of the revitalized project to preserve the foundry, which is currently raising funds to match a \$570,000 grant from the Save America's Treasures program. Annual sponsorship in the Knight Club begins at \$18.72/yr. (Knight Foundry was established in 1872). Info: Box 1776, Sutter Creek, CA 95685; (209) 267-0201.

Historic John J. Harvey Served at World Trade Center Disaster

In recent years, the *John J. Harvey*, a New York City fire tug launched in 1931 but now retired, has hosted several SIA Roebling Chapter events. The dedicated group of volunteers who have preserved the tug went beyond the call of duty on Sept. 11 when they spontaneously met at Pier 63 and took her south to help at the World Trade Center. They joined tugs and ferries evacuating a trapped crowd from the seawall near the Battery, taking some 150 people north to Pier 40. En route, the fire department radioed a request that the boat tie up adjacent to the disaster site to provide pumping capacity, as hydrants were not working. The *John J. Harvey* joined FDNY boats *Fire Fighter* and *McKean* to provide the only water available at the site for more than three days. Among the volunteers serving on the *John J. Harvey* were Chase Welles, Tim Ivory, Tomas Cavallaro, Andrew Furber, and Huntley Gill. Supporters of the *John J. Harvey* should be proud that this great old lady was preserved and available to work for New York City during the crisis.

Huntley Gill

- Angela Starita. **Razed or Praised?** *NY Times* (Dec. 2, 2001), NJ Sec., p. 6. NJ City Landmarks Conservancy efforts to preserve the Hudson & Manhattan Powerhouse (*SIAN*, Fall 2000).

MINES & MINING

- Tony Brooks. **Castle-an-Dinas, 1916-1957**. Cornish Hillside Pub. (St. Austell), 2001. 146 pp., illus. £11.99. Tungsten ore mines in Cornwall. Rev: *IA News* 118 (Autumn 2001), p. 19.
- Andrew Mcleish. **The Foxfield Railway and Colliery Project**. *IA News* 118 (Autumn 2001), pp. 6-7. Restoration at Dilhorne, N. Staffordshire, U.K.
- Michael Messenger. **Caradon and Looe**. Twelveheads Press (Truro, U.K.), 2001. 168 pp., illus. £ 26.00. Tin and copper mines, associated railways and canal, in Cornwall. Rev: *IA News* 118 (Autumn 2001), p. 18.
- Walter Weart. **Mine Tram: Colorado's Overlooked Electric Railroad**. *Railfan & Railroad* (July 2000), pp. 6-8. Henderson molybdenum mine, part of Phelps Dodge Co., operated 14-mile electric railway with 9.8-mile tunnel to transport ore from underground mine to processing mill. Railway built in 1970 was replaced by the world's longest conveyor belt system in 1999.
- Dail W. Woodland. **The First Domino? LTV Closes Hoyt Lakes Mine**. *Railfan & Railroad* (May 2001), pp. 6-9. LTV taconite plant and ore railroad close (tour site, 2000 Annual Conference—Duluth).

TEXTILES

- Pam Belluck. **Anthrax Outbreak of '57 Felled Mill but Yielded Answers**. *NY Times* (Oct. 27, 2001), p. B8. In light of contemporary events, intriguing story of anthrax cases in Manchester, NH, Arms Textile Mill, where anthrax spread from the process of pulling wool and Afghanistanian (!) goat hair. Considered an occupational illness, more than 100 cases of anthrax were reported from 1941 to 1957. Four workers died in outbreak of 1957. When mill was demolished in 1970s, special care was taken to spray debris with chlorine and formaldehyde solutions and incinerate timbers and bury the bricks to prevent accidental spread of the disease.
- Douglas McCalla. **Textile Purchases by Some Ordinary Upper Canadians, 1808-1861**. *MHR* (Spring-Summer 2001), pp. 4-27. Accounts of village stores are analyzed for buying patterns of factory-made textiles.

COMMUNICATION TECHNOLOGY

- Sungook Hong. **Wireless: From Marconi's Black-Box to the Audion**. MIT Press, 2001. 272 pp., illus. \$34.95. Early days of wireless communication, including Guglielmo Marconi, Ambrose Fleming, Nevil Maskelyne.

IRON & STEEL

- F. Habashi. **History of Iron on Postage Stamps**. *Iron & Steelmaker Magazine* (Sept. 2001). Postage stamps from various countries are used to tell the history of ironmaking from ancient times to the present. www.issource.org/magazine/web/0109/habashi/habashi-0109.htm. Web site also contains links to the Iron & Steelmaking Society and indexes its magazine, which focuses on current issues in the industry.

CHEMICAL INDUSTRY

- Fred Aftalion. **A History of the International Chemical Industry.** 2nd ed. Chemical Heritage Foundation (1-888-224-6006 ext. 222), 2001. 436 pp., illus., \$19.95. Integrates the story of chemical science with that of the chemical industry. 2nd ed. includes events from 1990 to 2000 with case studies of diversified companies such as BASF, Dow, and Bayer.

TOOL INDUSTRY

- Dana M. Batory. **Vintage Woodworking Machinery: An Illustrated Guide to Four Manufacturers.** Astragal Press (Box 239, Mendham, NJ 07945; 866-543-3045). 145 pp., illus. \$21.95. Fay & Egan, Yates-American, Defiance, and Oliver. History of each manufacturer, with evolution of its product line.
- Kenneth L. Cope. **American Lathe Builders: 1810-1910.** Astragal Press (Box 239, Mendham, NJ 07945; 866-543-3045), c. 2001. 204 pp., illus., glossary. \$24.95. More than a thousand illustrations taken from catalogs and periodicals. Information on over 330 builders. This is very good!
- Robert Grimshaw. **Grimshaw on Saws.** Astragal Press (Box 239, Mendham, NJ 07945; 866-543-3045). 202 pp. \$19.95. Reprint. Written in 1880, this remains a definitive work, describing and illustrating all types of saws from handsaws to late-19th-c. power saws. Loaded with practical information on rake, saw setting, filing, and swaging. List of saw patents.
- Curt Wohleber. **Henry Phillips's Screw Invention.** *I&T* (Fall 2001), pp. 6-7. The history of the Phillips screw, patented 1936, that had advantages over standard slot screws for use with power tools and high-volume manufacturing. By 1940, virtually every American automaker had switched to Phillips screws.

LOGGING & LUMBERING

- Ralph W. Andrews. **This Was Sawmilling.** Astragal Press (Box 239, Mendham, NJ 07945; 866-543-3045). 176 pp., illus. \$25. Classic history of the sawmill industry in the Pacific Northwest. Also, **This Was Logging.** 157 pp., illus. \$14.95. Over 200 photos taken between 1890 and 1925 by Darius Kinsey depict logging during the heyday of the great Pacific Northwest woods.

MISC. INDUSTRIES

- David Osborn. **The Charles Burrell Museum, Thetford, Norfolk.** *IA News* 118 (Autumn 2001), pp. 4-5. English traction steam engine museum.

ABBREVIATIONS:

CRM	= Cultural Resource Management, published by the National Park Service
IA News	= Industrial Archaeology News (UK)
IAR	= Industrial Archaeology Review (UK)
I&T	= American Heritage of Invention & Technology
MHR	= Material History Review (Canada)
R&LHS	= Railway & Locomotive Historical Society Newsletter
RMQ	= Railway Museum Quarterly
T&C	= Technology & Culture: Quarterly of the Society for the History of Technology
VAN	= Vernacular Architecture Newsletter

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CORNWALL

(continued from page 5)

night near the airport. The next morning, back at Newark Airport, I was just lining up to board the flight to Rochester when someone said, "Look at the smoke from the Towers!" We all watched since our departure lounge had a clear view of lower Manhattan. We soon realized what was going to happen at the airport, so we went as fast as we could to the main lobby to try to get rental cars or, failing that, hotel rooms. Of course, all the rental cars were taken, all the nearby hotels filled up immediately, all the buses and vans stopped running. By mid-afternoon, Barbara Freeman [SIA], who was also stranded and trying to get to El Paso, and I had found rooms at a hotel in Englewood, NJ, near the George Washington Bridge. Thanks to a loud, tough policeman and an equally determined lady cab dispatcher there was no line jumping for cabs, the queue (which ran the length of the terminal) moved smoothly, and we were charged only the standard fare. Once we got away from the airport, I tried to take more photos from the cab and wondered why I couldn't see the towers—not realizing they had fallen. The next day, I was lucky to find one rental car available at Keyport, down on the Jersey Shore about an hour's drive (and \$130 cab ride) away, got the car, and drove home

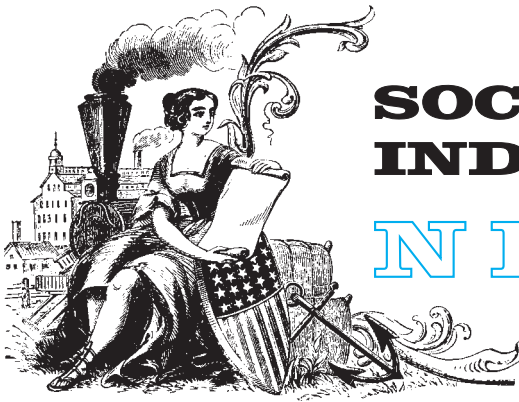
to Rochester. Barbara managed to catch a train to Philadelphia, where she could stay with friends, but did not fly to El Paso and back home until the following Wednesday. Thankfully, all of the other study tour participants eventually made it home safe and sound as well.

James C. Owens

The following references are recommended for more information on Cornwall.

J. A. Buckley, *The Cornish Mining Industry*, Tor Mark Press, Redruth, 1992, and *Geevor Mine*, Cornwall County Council, 1993. Short but definitive booklets.

T. Goode, M. Holder, B. Leveridge, *West Cornwall: A Landscape for Leisure*, British Geological Survey, 1996. In spite of its name, this booklet is a fine source for geology and natural history, with some information on mining.



SOCIETY FOR INDUSTRIAL ARCHEOLOGY NEWSLETTER

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GENERAL INTEREST

- ▶ **Early American Industries Assn. Booklist.** EAIA offers a wide selection of books, many discounted and of IA interest, as one of the benefits of membership. EAIA fosters the appreciation and study of early American industries and antique tools. Info on membership and programs: www.eaiainfo.org. New titles on the most-recent booklist: Garrett Wade Co., *Tools, A Complete Illustrated Encyclopedia*; Gwilyn R. Roberts, *New Lives in the Valley, Slate Quarries and Quarry Villages in North Wales, New York, and Vermont, 1850-1920*; Deborah Defford, ed., *Flesh and Stone, Stoney Creek and the Age of Granite* (granite quarrying in Connecticut); J. Starkie Gardner, *English Ironwork of the XVIIth & XVIIIth Centuries* (first published in 1911, contains analysis of a brilliant phase of English craftsmanship); Nicholas Dean, *Snow Squall, the Last American Clipper Ship* (archeology of an 1851 clipper, discovered in the Falklands); Edward L. Kallop, Jr., *Johnson's Kingdom: The Story of a 19th-Century Industrial Kingdom in the Town of Wayne, Maine* (Holman Johnson operated a series of woolen mills and a shovel-handle factory, 1856-79).
- ▶ Wolfgang Ebert. **ERIH, The European Route of Industrial Heritage.** *TICCIH Bulletin* 14 (Autumn 2001), pp. 4-5. Update on network of European industrial sites working together to develop heritage tourism programs. Ebert was host to the 2001 SIA study tour of the Ruhr. The European industrial heritage program is modeled after the German example [SIAN, Spring 2001].
- ▶ Kingston Heath. **The Patina of Place: The Cultural Weathering of a New England Industrial Landscape.** Univ. of Tenn. Pr. (www.utpress.org), 2002. 288 pp., illus. \$55. Multidisciplinary analysis of workers' housing as an index to social change and cultural identity in New Bedford, MA. Company-owned mill housing and the subsequent transition to a speculative building market resulted in the three-decker rental flat as New Bedford's most common housing form for industrial workers.
- ▶ Richard L. Hills. **Life and Inventions of Richard Roberts, 1789-1864.** Landmark Collector's Library (www.landmarkpublishing.co.uk), 2002. 272 pp., illus., £29.95. Although now little known, Roberts was one of Britain's greatest inventors and the father of production engineering. In 1821, he made the world's first machine for manufacturing industrial gears. Soon after, a power loom. His self-acting spinning mules remained a textile industry standard into the 20th century. He was a partner in Sharp, Roberts & Co., a manufacturer of locomotives, and his punching machine for iron plates was successfully used on the Conway and Britannia tubular bridges. This full-length biography looks at Roberts's life and inventions in the area of machine tools, the gas meter, textiles, road vehicles, locomotives, horology, and shipbuilding.
- ▶ Adrian Jarvis. **The Victorian Engineer.** Shire Publications (UK), 2000. 32 pp., illus., £3.5. Concise and scholarly review of the professionalization of engineering in Great Britain. Rev: *IAR* 23,2 (2001), p. 148.
- ▶ Catherine LaVoie. **The HABS/HAER and the National Register, A Symbiotic Relationship.** *CRM* 25,1 (2002), pp. 14-15. Discussion of the separate missions but complementary roles of the National Park Service's HABS/HAER and National Register programs. In a CRM theme issue devoted to the past, present, and future of the National Register.
- ▶ John R. McGregor. **The Loss of Historic Industrial Structures.** *Material Culture* 33, 2 (2001), pp. 1-28.
- ▶ Marilyn Palmer and Peter Neaverson, eds. **From Industrial Revolution to Consumer Revolution.** Transactions from the TICCIH 2000 Millennium Congress, London [SIAN, Spring 2001]. Avail: Assn. for Industrial Archaeology, c/o Maney Publ., 4th Flr., 44 Brattle St., Cambridge, MA 02138. International perspectives on industrial history from papers presented at 2000 meeting: Barrie Trinder, *Michael Stratton: A Memoir*; Marie Nisser, *A Swedish Response to the Industrial Revolution in the 18th c.*; Jonathan Coad, *A Major Industry Before the Industrial Revolution: Great Britain's Royal Dockyards*; Jean-Francois Belhoste, *Paris, Capital of the Industrial Revolution*; David Rhys Gwyn, 'Ignorant of All Science': *Technology Transfer and Peripheral Culture, the Case of Gwynedd, 1750-1850* (industrialization of N. Wales); Marilyn Palmer and Peter Neaverson, *The Social Archaeology of the Textile Industry*; Michael Mende, *Places of Proto-industry Revisited: Architectural Remains of the 18th- and Early 19th-c. Woolen and Worsted Industries in the Eichsfeld Region of Germany*; Colin Russell, *The Centrality of the 'Chemical Revolution' for Later Industrial Change: A Challenge for Industrial Archaeology*; Garry Champion, 'People, Process, Power and Place': *An Archaeology of Control in East Midlands Outworking, 1820-1900*; Eva Dahlstrom, *Swedish Engineering Industry During the 19th C.: From Diversity to Mass Production*; Jan af Geijerstam, *Swedish Blast Furnaces in India*; Adam Menuge, *Technology and Tradition: The English Heritage Survey of the Northamptonshire Boot and Shoe Industry*; Liv Ramskjaer, *Developing Consumption: The Case of Electric Home Appliances and Plastic Consumer Goods in Norway*; Louise Trotter, *Innovative Materials and Utilitarian Beauty as Incentives to the Consumption of Domestic Appliances in Canada, 1920-1990*.
- ▶ Wayne Parry. **Paterson Looks Back at Great Fire of '02.** *The Star-Ledger* (Feb. 9, 2002). www.nj.com. Worst fire in NJ

history burned 459 buildings to the ground and devastated a great industrial city a century ago. Firefighters, historians, and others mark the anniversary with a series of events.

- **Preserving America's Utopian Dreams** is a theme issue of *CRM: Cultural Resource Management* 24,9 (2001), published by the National Park Service. It includes articles on efforts to preserve several utopian communities that have, or had, industrial components: Rugby, TN; Kennecott, AK; New Harmony, IN; Amana Colonies, IA; Old Salem, NC; Zoar Village, OH; Hancock Shaker Village, MA.
- Ray Riley and Tony Yoward. **Structuration Theory and 19th-Century Corn Milling in Portsmouth.** *IAR* 23,2 (Nov. 2001), pp. 85-92. Structuration theory is explored as a technique of analysis for IA. It looks at industrial sites and artifacts within wider contexts using top-down and bottom-up influences as a way of placing them in political, social, economic contexts. Case study is of a wind-powered mills in Portsmouth, England.
- Colin Rynne. **The Industrial Archaeology of Cork City and Its Environs.** The Stationery Office (Dublin, Ireland), 1999. ISBN 0 7076 6795. 325 pp., illus. £28. Described by a reviewer as "the most important book on Irish industrial heritage to be published in recent years." Includes glossary of Irish technical terms. Beef, pork, herring, butter trades; stone quarrying; malting, distilling, and brewing; linen, woolen, and cotton industries; shipbuilding; roads and bridges; Monard spade mill complex. Rev: *IAR* 23,2 (2001), p. 144.
- Lee Buchsbaum. **Hine's Depiction of Railroaders: Progress and Progressivism on the Pennsy in 1920.** *Railroad Heritage* 4 (2001), pp. 12-15. www.railphoto-art.org. Photographer and journalist Lewis Hine documents life at work on the Pennsylvania RR.
- Alan Clarke. **West Virginia's Coal and Coke Railway.** TLC Publishing (1387 Winding Creek Lane, Lynchburg, VA 24503), 2001. 170 pp., illus. \$24.95. Account of a coal-hauling railroad in central WV, built 1902-05. Taken over by the B&O in 1917. Includes 11 stone bridges along 175 mile route.
- Exhibit Reviews. *T&C* 42,4 (Oct. 2001), pp. 754-766. Scholarly reviews of three new railroad museum exhibits: Charles K. Hyde, *Detroit, Toledo, and Milwaukee Roundhouse, Greenfield Village, Dearborn, MI*; Stefan Zeilinger, *The Works, National Railway Museum, York, England*; Stephen Hoadley, *Steam, The Museum of the Great Western Railway, Swindon, England*.
- Homer K. Folk. **Milton Car Works.** Milton Standard Newspaper (Milton, PA 17847), 2000. 270 pp., illus. \$47. Railroad-car manufacturer began in 1865 and became part of American Car & Foundry. Rev: *RH* (Autumn 2001), p. 129.
- Kenneth French. **Railroads of Hoboken and Jersey City.** Arcadia, 2002. Postcard views and historic photos of the Hudson River terminals of the Erie, NJ Central, and Hudson & Manhattan.
- John P. Hankey. **Pullman Reborn.** *RH* 185 (Autumn 2001), pp. 98-104. Review of ongoing efforts to restore the Pullman shops after tragic fire [*SIAN*, Winter 1998].
- J. David Ingles, ed. **Guide to North American Railroad Hot Spots.** Kalmbach, 2001. 208 pp., photos. \$24.95. 100 of the busiest train-watching sites across the U.S. and Canada, including a color photo and text about each.
- Carla Johnson. **Union Pacific and Omaha Union Station.** South Platte Pr. (Box 163, David City, NE 68632), 2001. 84 pp. \$27.95 ppd. The UP's passenger station and terminal operations from 1860s to 1970s. The Durham Western Heritage Museum is now located in the Union Station, built in 1931. Rev: *NRB* 66,2 (2001), p. 41.
- Randy Kennedy. **Transit Plan Would Connect the Dots Under Lower Manhattan.** *NY Times* (Jan. 23, 2002). In the wake of the Sept. 11 disaster, the Port Authority of NY is making ambitious plans to rebuild the rail transit network. It hopes to untangle seven overlapping lines, the inheritance of decades of independent planning by competing subway and railroad companies operating under the city streets.
- Mary Beth Klatt. **Back on Track: Group Provides Funds to Keep Rail Depots in Public Use.** *Chicago Tribune* (Dec. 16, 2001), Sec. N, pp. 1, 5. Great American Station Foundation provides funds for municipalities seeking to reopen railroad depots.
- Chris J. Lewie. **Two Generations on the Allegheny Portage Railroad.** Burd St. Press (Avalil: C. Lewie, 5377 Edie Dr., Hilliard, OH 43026; www.twogenerations.com), 2001. \$15 ppd. Opened in 1834, the Allegheny Portage RR was a technological marvel that allowed sectional canal boats to be lifted over the mountain ridges between Hollidaysburg and Johnstown, PA. Two generations of the Humphreys family of Cambria Co. worked on the portage railroad.

RAILROADS

- Anthony J. Bianculli. **Trains and Technology: The American Railroad in the Nineteenth Century, Vol. 2, Cars.** Univ. of Del. Pr. (440 Forsgate Dr., Cranbury, NJ 08512), 2002. 254 pp., illus. \$65. Development of passenger cars, freight cars, non-revenue cars, and components of cars including trucks, brakes, and couplers. 2nd vol. in a series devoted to easily understood, jargon-free discussions and explanations of 19th-century railroad technology. First vol. (2001) was locomotives.

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With Thanks.

- Trevor May. **The Victorian Railway Worker.** Shire Publications (UK), 2000. 32 pp., illus., £3.5. Excellent summary of Britain's railway workforce in the 19th c. Engine drivers, porters, ticket collectors, restaurant staff, construction forces, even makers of artificial limbs for those injured in railway work. Rev: *IAR* 23,2 (2001), p. 148.
- Tom A. Nelson, ed. **50 Years of Railroading in Southern California, 1936-1986** (Plus Updates through 1996). Pacific RR Society, 2001. 204 pp., illus. Originally intended to celebrate the 50th anniversary of the society, this book was expanded to include histories of railroads and rail transit in California's southern counties. Includes 40-p. chronology, line-by-line histories, reviews of local railway museums. Chapter on passenger service by Charles Varnes [SIA].
- David Rollinson. **Railways of the Caribbean.** Macmillan Educational (Macmillan-caribbean.com), 2001. 128 pp., illus., approx. \$25. Also avail. from St. Croix Landmarks Society (www.stcroixlandmarks.com). Well-illustrated guide with island route maps for Bermuda, Bahamas, Cuba, Jamaica, Hispaniola, Puerto Rico, St. Croix, St. Kitts, Antigua, Guadeloupe, Dominica, Martinique, St. Lucia, Barbados, Aruba, Curacao, and mainland routes of Guyana and Belize. Covers the various sugar-cane, fruit, and mineral lines and passenger services, including trolleys. An amazing number of gauges and equipment, also information on what remains of the lines.
- Jack Rudnick and Mike Bezilla. **From Iron Ore to Limestone and Lime To Nothing.** *NRB* 66,2 (2001), pp. 4-33. History and operation of the Bellefonte Central RR, a Pennsylvania short line established in 1880s. Description of shops at Coleville, iron furnaces, limestone quarries and lime plants on its route. All but a short section of line is abandoned today. Photos and maps.
- Joseph P. Schweiterman. **Abandoned Corridors.** *RH* 185 (Autumn 2001), pp. 20-45. History of rail abandonment in the U.S. Considers how the shrinkage of the rail network from 250,000 route miles in 1916 to about 130,000 route miles today has affected small and medium-sized communities.
- Thomas T. Taber III. **Railroad Periodicals Index, 1831-1999.** Published by the author (504 S. Main St., Muncy, PA 17756), 2001. 841 pp. + CD-ROM. \$75. A seminal reference work by a well-respected railroad historian. Subject index of every major North American railroad industry serial. Over 80 titles indexed. Rev: *RH* (Autumn 2001), p. 114.
- John Teichmoeller [SIA]. **Pennsylvania Railroad Steel Open Hopper Cars: A Guide for Enthusiasts.** Highlands Station, Inc. (2600 S. Parker Rd., Ste. 1-211, Aurora, CO 80014), 2000. 160 pp. \$26.95 ppd. Exceptionally detailed account in chronological order of PRR hopper cars from 1900 to 1960, demonstrates evolution of freight-car technology. For the railroad modeler and railroad historian alike. Rev: *NRB* 66,2 (2001), p. 40.
- Gordon J. Thompson, ed. **Niagara Gorge Belt Line: A Pictorial Album.** Niagara Frontier Chapter, NRHS (21 Francis St., Middleport, NY 14105), 2000. 67 pp., illus. \$16.95 ppd. Electric tourist railway operated below Niagara Falls from 1893 to 1935.
- John C. Van Horne, ed. **Traveling the Pennsylvania Railroad: The Photographs of William H. Rau.** Univ. of Penn. Pr. (1-800-445-9880), c. 2001. 272 pp., illus., maps. \$49.95. In the 1890s, Rau, Philadelphia's preeminent commercial photographer, was commissioned to take more than 450 large-format photographs along the routes of the Pennsylvania RR to promote leisure travel to the general public. Remarkably detailed prints display the railroad, as well as the natural and industrial landscapes.
- Joseph Welsh. **Passenger Trains of Yesteryear.** Kalmbach Books (www.kalmbachbooks.com), 2001. 2 vols., \$19.95 each. Photo books focus on passenger service in postwar Chicago. Vol. 1 covers the eastern lines and vol. 2 the western lines.
- Jeff Wilson. **E Units: Electro-Motive's Classic Streamliners.** Kalmbach Books (www.kalmbachbooks.com), 2002. 126 pp., illus. \$21.95. Album of black-and-white photos of streamlined diesel locomotives of mid-1930s to mid-1950s. Succinct Electro-Motive company history includes some shop views.

WATER TRANSPORT

- Jeffrey M. Dorwart and Jean K. Wolf. **The Philadelphia Navy Yard: From the Birth of the U.S. Navy to the Nuclear Age.** Univ. of Penn. Pr., 2001. 271 pp. \$45. Rev: *T&C* 42,4 (Oct. 2001), p. 811.
- Ted Rafuse. **Coal to Canada: A History of the Ontario Car Ferry Company.** Steampower Pub. (54 Walton St., Port Hope, Ontario L1A 1N1), 2000. 90 pp., illus. \$27.95. Railroad car ferry across Lake Ontario between Charlotte, NY, and Cobourg, ON. Operated from 1907 to 1950. Rev: *RH* (Autumn 2001), p. 121.

AUTOMOBILES & HIGHWAYS

- **America's First Concrete Street.** *SCA News* (Winter 2001), p. 7. In 1891, Bellfontaine, OH, claims to have built the first concrete street in the U.S. In 1893, sections of the pavement were displayed at the Chicago World Fair, winning a prize and prompting other cities to pave with concrete. Today, Bellfontaine's streets are marked by several commemorative plaques and a statue of George Bartholomew, the man who advocated the paving material more than 100 years ago.
- Landmark Collector's Library (www.landmarkpublishing.co.uk) offers a series of books on historic roads (pre-automobile era) in Great Britain: David Hey, **Packmen, Carriers & Packhorse Roads**, 2nd ed., 2001. 192 pp., maps, illus. £19.95. Incredible detail on the movement of commodities in N. Derbyshire and S. Yorkshire—spices, malt, iron, lead, etc.; A. E. Dodd and E. M. Dodd, **Peakland Roads & Trackways**, Reprint ed., 2002. 192 pp., photos, maps, £19.95. Classic account of packhorse ways, saltways, drovers' roads, turnpikes; Richland Moore-Colyer, **The Welsh Cattle Drovers**, 2nd ed., 2001. 192 pp., illus, maps, £19.95. Detailed look at trade in the 19th c., with particular detail on the "mechanics" of droving, financing, and general conducting of the trade; Richard Moore-Colyer, **Roads & Trackways of Wales**, 2nd ed., 2001. 192 pp., illus., £19.95. Roman roads, Medieval trackways, drove roads, and turnpikes.
- Norman Painting. **Alldays & Onions: A Brief History.** Landmark Collector's Library (www.landmarkpublishing.co.uk), 2002. 224 pp., illus., £24.95. Birmingham (UK)-based company made a bewildering variety of products from bunsen burners to enormous fans, but was best known for Matchless motorbikes and its cars, tractors, and buses.
- Claudette Stager and Martha Carver. **Winged Wonder: The Airplane Gas Station Revisited.** *SCA News* (Winter 2001), pp. 4-5. Extant Knoxville (TN) gas station from the 1930s

was built to look like an airplane. Wingspan of 42' provided shelter for the pumps. The fuselage was the office and stock room.

POWER GENERATION

- ▶ T. Lindsay Baker, ed. **Windmillers' Gazette**. Quarterly. Avail: Box 507, Rio Vista, TX 76093. www.windmillersgazette.com. \$20/yr. Dedicated to the preservation of America's wind-power history and heritage. Vol. 21,1 (Winter 2002) includes *The Wireless Means Life Itself: The Wind Generator and the Radio on the 1937 Russian North Pole*. Also now avail. are 10-year indexes (1982-1991, 1992-2001). Past *Windmillers' Gazettes* remain in print and avail. for \$5 ppd.
- ▶ Richard L. Hills. **James Watt. Vol. 1: His Time in Scotland, 1736-1774**. Landmark Collector's Library (www.landmarkpublishing.co.uk), 2002. 416 pp., illus., £ 29.95. Hills has worked from original records to shed new light on thus-far obscure areas of Watt's life and personality, attempting to dispel inaccuracies perpetuated by earlier biographers of the man best known for his work on the steam engine. This volume includes information on Watt's family background, training as a mathematical-instrument maker, involvement with Scottish salt and pottery industries, work as a civil engineer, and early investigations of steam power. Vol. 2 (due out 2003) will cover his time in England (1774-1819) including the partnership with Matthew Boulton and the development of the rotative steam engine.
- ▶ Maureen Milford. **Pennsylvania Power Plant to Get New Life as Offices**. *NY Times* (Dec. 16, 2001), Real Estate Sec., p. 6. Chester, PA, power plant, built in 1918, housed in a magnificent Neo-Classical building, has been vacant for 20 years.
- ▶ John Walter. **Saving the Survivor: The British Éolienne Bollée**. *IA News* 119 (Winter 2001), pp. 7-8. An innovative 19th-c. wind engine, originating in Le Mans, that generates power from a simple reaction turbine. More than 300 turbines of this type were installed in central France. Additional info: www.bollee.fsnet.co.uk.

WATER CONTROL & RECLAMATION

- ▶ Michael H. Gould. **The Development of All-Metal Water Towers**. *IAR* 23,2 (Nov. 2001), pp. 113-123. British and Irish metal water towers from the mid-19th to mid-20th c.
- ▶ Andrew C. Revkin. **21st-Century Plumbing for New York City's Leaky Old Water Tunnel**. *NY Times* (Mar. 12, 2002), Science Section. Delaware Aqueduct, opened in 1945 to supply NYC from the Delaware R. watershed in the Catskill Mts., is leaking 25 to 34 million gallons per day. Problem: the leaks are 600 ft. underground and from uncharted breaks in the tunnel's concrete and steel lining. Techniques to locate and fix the leaks include using an unmanned submarine to ply the 45 miles of tunnel, which has not been drained in nearly 50 years.

BUILDINGS & STRUCTURES

- ▶ Robert Lewis. **Redesigning the Workplace: The North American Factory in the Interwar Period**. *T&C* 42,4 (Oct. 2001), pp. 665-684. Manufacturers selectively adapted elements of rational factory design and diverse production strategies when remodeling, replacing, or adding on to existing shops to create work spaces tailored to their circumstances.

- ▶ Michael O'Malley. **Pushing On, Nun Finds Historic Revolving Doors**. *Plain Dealer* (Dec. 18, 2001). pp. A-1,14. Ursuline nun, who works in the Cleveland Public Library, rediscovers inventor of the revolving door, Theophilus Van Kannel, who received a patent in 1888. Van Kannel doors were manufactured in Philadelphia and sold from a retail store in Cleveland. Thousands are still in use today.

MINES & MINING

- ▶ John Cornwell. **Collieries of South Wales**. Landmark Collector's Library (www.landmarkpublishing.co.uk), 2002. 256 pp., illus., £22.50. Nearly 300 photographs of mines and miners at 39 pits, chiefly taken since 1947. Colliery headframes and buildings, aerial photos, coal faces, views in drainage levels, shafts, etc. Also, **Collieries of Somerset & Bristol**, 2001. 112 pp., illus., £14.95. Over 80 photos taken in the 1960s and 1970s, includes the Kilmersdon self-acting incline.
- ▶ William B. Thesing. **Caverns of Night: Coal Mines in Art, Literature, and Film**. Univ. of SC Pr., 2000. 282 pp. \$39.95. Essays show just how extensively the coal industry has been portrayed in painting, poetry, song, film, and fiction. Rev: *T&C* 42,4 (Oct. 2001), p. 789.

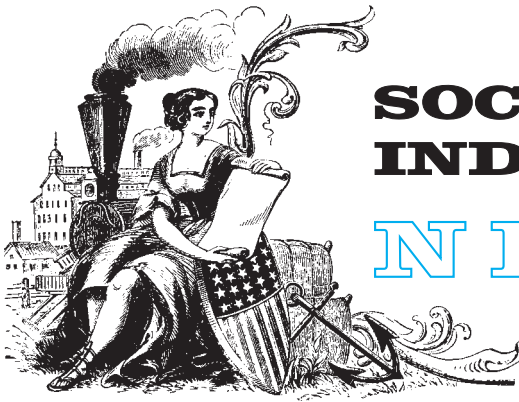
TEXTILES

- ▶ Robert Pavey. **Leader Seeks to Promote Past**. *Augusta (GA) Chronicle* (Jan. 29, 2002), p. 1B. Augusta Canal Authority undertakes heritage area project along power canal. Includes visitors center in Enterprise Mill, trails, rehabilitating mills for apartments and offices.
- ▶ Ron Wertheimer. **Mills' Tale, With Fact Husked of Fiction**. *NY Times* (Jan. 2, 2002) Arts Sec. Not terribly flattering review of Mill Times, PBS's adaptation of David Macaulay's book, *Mill*. "The hour blends elements of standard documentary with animated storytelling to offer an easy-to-take introduction to New England's textile mills." ■

ABBREVIATIONS:

CRM	= Cultural Resource Management, published by the U.S. National Park Service
IA News	= Industrial Archaeology News, published by the Assn. for Industrial Archaeology (UK)
IAR	= Industrial Archaeology Review published by the Assn. for Industrial Archaeology (UK)
I&T	= American Heritage of Invention & Technology
NRB	= National Railway Bulletin, published by the National Railway Historical Society
RH	= Railroad History, Journal of the Railway & Locomotive Historical Society
SCA News	= Society for Commercial Archeology News
T&C	= Technology & Culture: Quarterly of the Society for the History of Technology
TICCIH Bulletin	= The International Committee for the Conservation of the Industrial Heritage Bulletin.

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SOCIETY FOR INDUSTRIAL ARCHEOLOGY NEWSLETTER

PUBLICATIONS OF INTEREST

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COMPILED BY

Mary Habstritt, New York, NY; and Patrick Harshbarger, SIAN editor.

GENERAL INTEREST

- Joyce Brown, et. al., eds. **Studies in the History of Civil Engineering.** 12 vols. Ashgate (www.ashgate.com), 1997-2002. £850 for the set, £85 for indiv. vols. Each vol. of the reference library begins with a substantial introduction by an expert in the field and is followed by articles, originally published in a wide range of journals, conference proceedings, and the like, many hard to consult, and selected to represent the current state of knowledge and scholarship. Studies cover civil engineering from antiquity to the early 20th c. The 12 vols. are: *Engineering of Medieval Cathedrals; Masonry Bridges, Viaducts and Aqueducts; Land Drainage and Irrigation; Dams; Water-Supply and Public Health Engineering; Port and Harbour Engineering; Civil Engineering of Canals and Railways before 1850; Development of Timber as a Structural Material; Structural Iron, 1750-1850; Structural Iron and Steel, 1850-1900; Early Reinforced Concrete; Structural and Civil Engineering Design.* [Note: many of these individual vols. have appeared in previous Publications of Interest. The 12 vol. set is now complete and avail.]
- Robert Carr. **What Is Industrial Archaeology?** *IA News* 120 (Spring 2002), pp. 2-3. The evolving definition of IA from a British perspective.
- Mike Clarke. **The Solovki Islands.** *IA News* 121 (Summer 2002), pp. 2-3. IA of a group of islands in the Russia White Sea, best known as the site of the first Soviet Gulag. Includes works associated with a 15th-c. monastery, ca. 1908 hydroelectric station, dry dock built in 1799-1801, and turpentine kiln.
- Wendy Coble. **Management of Historic Ships and Aircraft Sites.** *CRM* 25,2 (2002), pp. 34-36. Review of the laws and government practices that protect historic ship and aircraft wreck sites from looters.
- Linda K. Harris. **Two Detained in Shooting ... Photos.** *Philadelphia Inquirer* (July 3, 2002). www.philly.com/mld/inquirer/news/local/3592001.htm. Ordeal of two photographers arrested and detained for taking photos of industrial sites on the Schuylkill River. ACLU is investigating.
- William R. Haycraft. **Yellow Steel: The Story of the Earthmoving Equipment Industry.** Univ. of Ill. Pr. (1-800-545-4703), 2002. 488 pp., photos, \$23.95 paper. Examines the tremendous increase in the scope of mining and construction projects, from the Suez Canal through the interstate highway system, made possible by innovations in the earthmoving industry. Post-WW II economic and political events spurred the development of more powerful and agile machines. Caterpillar, Allis-Chalmers, International Harvester, J. I. Case, Deere, and Massey-Ferguson. The author worked for many years in international marketing for Caterpillar.
- Henry Lowood. **Current Bibliography in the History of Technology, 1999.** *T&C*, v. 43, Supplement. The Society for the History of Technology's 37th annual bibliography. This is the last *Current Bibliography* to appear in printed form. Future issues will be available only on-line. Info: www.press.jhu.edu/associations/shot/hstlink.
- Lance Metz, ed. **Canal History and Technology Proceedings.** Vol. 21 (Easton: National Canal Museum, 30 Centre Sq., Easton, PA 18042; (610) 559-6613), 2002. 239 pp., illus. \$24.25 ppd. Papers from the annual symposium. This year's selection includes: Emory Kemp, *The Muskingum Navigation* (slackwater navigation on Ohio's Muskingum River); Stuart W. Wells, 'An Arduous and Novel Undertaking': *Lock Navigation on the River Schuylkill*; Stephen A. Marder, *Vindication for 'America'* (Delaware & Hudson Canal Co.'s gravity railroad locomotive); Martha Capwell Fox, *Seams of Coal, Beams of Steel, Skeins of Silk: The Silk Industry in the Delaware-Lehigh Heritage Corridor*; Sonya Tupone, *Bread or Blood and the Hope of the Brotherhood of Locomotive Engineers* (the strike of 1877); Paul Marr, *Commodity Flow on the Pennsylvania Mainline System* (statistical analysis of trade on the canal); Kathleen P. Munley, *The Carbondale Mine Fire, 1947-1969*; Robert J. Kapsch, *The Potomac Canal: A Construction History* (river navigation and bypass canals, 1785-1803).
- John Pannabecker. **School for Industry: L'Ecole d'Arts et Métiers of Châlons-sur-Marne under Napoleon and the Restoration.** *T&C* 43,2 (Apr. 2002), pp. 254-90. School's involvement in uniform production of artillery caissons is used to challenge the conventional wisdom that French engineering focused on theory and English engineering on practice.
- Alec Skempton, et. al., eds. **Biographical Dictionary of Civil Engineers in Great Britain and Ireland, 1500-1830.** Thomas Telford Pub. (www.thomastelford.com), 2002. 944 pp. £76. Careers and achievements of more than 800 individuals who carried out civil engineering work or otherwise contributed to the development of the profession.
- Stuart B. Smith. **The Development of Industrial Museums within Landscapes.** *IAR* 24,1 (May 2002), pp. 5-10. Rolt Memorial Lecture 2001, delivered to the AIA, offers thoughts on IA in Great Britain and on the preservation of industrial museums and landscapes.
- Peter Temin, ed. **Engines of Enterprise: An Economic History of New England.** Harvard Univ. Pr., 2000. 328 pp.,

\$24.95. Description and analysis of the growth and relative declines and rebounds of the New England economy and its industries from the 1620s to the present. Sponsored by the Federal Reserve Bank of Boston. Rev: *T&C* (Apr. 2002), pp. 427-28.

- Robert Young. 'A Dialogue I'll Tell You as True as mee Life ...': Vernacular Song and Industrial Archaeology. *IAR* 24,1 (May 2002), pp. 11-22. The social context of working people's lives as revealed in sources traditionally ignored by the empirical study of industrial sites and artifacts. Examines vernacular song as a source of information, and considers in detail three such songs from the northeast of England coal-field.
- Ulf Erdmann Zeigler. **The Becher's Industrial Lexicon.** *Art in America* (June 2002). Full-length interview of the husband and wife team who have documented hundreds of industrial structures in Europe and the U.S. Reproduces Becher collages of German exposed framework houses, coal breakers, silos, watertowers, cooling towers, hoists, grain elevators, and industrial walls with conduits.

BRIDGES

- Patricia Davis. Wanna Buy A Bridge? A Few Hardy Souls Actually Say, 'Yes'. *Wall Street Journal* (Mar. 27, 2002), pp. A1,6. Several SIA members are mentioned in this front-page article about preserving historic truss bridges.
- Frank J. Hatfield. **Engineering for Rehabilitation of Historic Metal Truss Bridges.** *Welding Innovation* 18,3 (2001), pp. 10-15. Engineering analysis of bridges in Calhoun County Historic Bridge Park, Battle Creek, MI [SIAN, Summer 2000]. Conclusions from actual testing are that rehabilitated trusses can satisfy modern safety standards for pedestrian service.
- Kirk Johnson. **Tilting at Windmills, Only This One's a Bridge.** *NY Times* (July 1, 2002). Cantilever, deck-truss railroad bridge, built in 1888, over the Hudson at Poughkeepsie is embroiled in a preservation controversy. A court has ordered a stop to all repairs and tours.
- Matt Kierstead. **1930s Reinforced Concrete Open Spandrel Arch Bridges in Rhode Island.** *SIA New England Chapters Newsletter*, v. 22,1 (2002), pp. 7-9. The 1928-30 Washington Bridge over the Seekonk River between Providence and E. Providence; the 1932-45 Ashton Viaduct over the Blackstone River between Lincoln and Cumberland.
- John Sweetman. **The Artist and the Bridge, 1700-1920.** Ashgate, 2000. 208 pp. \$50. Compendium of illustrations and commentary on bridges as the subjects of paintings and prints. Emphasis on European art of the 18th and 19th c. Rev: *T&C* (Apr. 2002), pp. 414-16.
- Benjamin Wallace-Wells. **Homecoming for 111-year-old Span.** *Philadelphia Inquirer* (Apr. 11, 2002), Sec. B, p. 1. Pony-truss bridge in Bergen Co., NJ, is relocated to the site where it was made in Phoenixville, PA. Patrick Harshbarger and Lynn Rakos [SIA] were interviewed.

IRON & STEEL

- Beth Baker. **Industrial Strength.** *Preservation: The Magazine of the National Trust for Historic Preservation* (Mar./Apr. 2002), pp. 48-53. Struggles of steel towns—Homestead, Braddock, Trafford, Aliquippa, and Tarentum—in Pittsburgh vicinity to preserve and interpret their industrial past.

- Fitzgerald & Halliday, Inc. **The Northrup Metalworking Complex, New Milford, CT.** *SIA New England Chapters Newsletter* 21,2 (2001), pp. 7-10. Investigation of foundry site operated by Northrup family from 1830s to 1880s.
- Richard Martin. **Melt Down.** *Wired* (Feb. 2002), pp. 88-93. Decline and rebirth of the Bethlehem Steel works as a museum of industry is a case study in globalization [will be a tour site, 2003 SIA Fall Tour].
- Gordon Pollard. **Clintonville, NY, Bloomery Forge Investigations.** *SIA New England Chapters Newsletter* 21,2 (2001), p. 11. Report on 4th season of investigations at forge and bellows houses that operated from 1830 to 1890.
- Kenneth Warren. **Big Steel: The First Century of the United States Steel Corporation, 1901-2001.** Univ. of Pittsburgh Pr., 2001. 405 pp. \$32. Drawn from materials in the U.S. Steel archives, long-closed to scholars. Includes quantitative data on output, operating costs, market shares and much else in 122 tables. Analysis of why US Steel did not benefit as much as has been assumed by the economies of scale and why it fumbled opportunities for innovation and growth. Rev: *T&C* (Apr. 2002), pp. 443-44.

CHEMICALS INDUSTRY

- Tim Allen, Mike Cotterill, and Geoffrey Pike. **Copperas: An Account of the Whitsable Copperas Works and the First Major Chemical Industry in England.** *IAR* 23,2 (Nov. 2001), pp. 93-112. Refining ferrous sulfate (copperas) from iron pyrites. Principal use was as a textile-dye mordant and saddening agent. Archeological investigation of site in use from about 1600 to 1800.
- Mark Bernstein. **Thomas Midgley and the Law of Unintended Consequences.** *I&T* (Spring 2002), pp. 38-48. Midgley made two great chemical innovations: leaded gas and Freon. They brought enormous benefits but also carried unanticipated dangers.
- Stuart Foreman. **Nitro-glycerine Washing House, South Site, Waltham Abbey Royal Gunpowder Factory, Essex.** *IAR* 23,2 (Nov. 2001), pp. 125-42. Survey of late-19th-c. washing house, well-preserved with many internal fixtures and fittings, part of first government cordite factory.
- Anne Cooper Funderburg. **Paint Without Pain.** *I&T* (Spring 2002), pp. 48-54. Brief history of paint industry with focus on Wetherhill's white-lead factory in Philadelphia (early 19th c.), Sherwin-Williams ready-made paints (1870s-80s), and Glidden latex paints (late 1940s).
- Curt Wohleber. **Portable Power.** *I&T* (Spring 2002), pp. 18-19. History of the battery.

AGRICULTURE & FOOD PROCESSING

- William Boyd. **Making Meat: Science, Technology, and American Poultry Production.** *T&C* 42,4 (Oct. 2001), pp. 631-664. Examination of the systems for raising broilers in the U.S. over the course of the 20th c.
- Brian Butko. **From Cones to Klondikes: Isaly's Dairy and Its Cool Innovations.** *SCA Journal* (Spring 2001), pp. 4-13. Isaly Dairy Co., established in 1902, opened its own dairy stores and then became famous for the Klondike Bar. Includes photos of automated Klondike Bar forming and chocolate-dipping machine.

CALL FOR NOMINATIONS—SIA OFFICERS, DIRECTORS, COMMITTEE MEMBERS

Your Society Needs Your Help

The SIA depends on the freely given time and experience of its members to administer the organization and organize its activities. Here's an opportunity for you or a colleague to give back to the Society by offering to serve. You have more to give than you may think and your voluntary time and experience are wanted and will be appreciated. Please don't hesitate to nominate yourself—it may be the only way we know you're out there and available. Modesty here is not a virtue. The deadline is December 31, 2002. If you're not sure, call or email me and let's talk about it.

Coming up in 2003 are five openings: secretary, treasurer, two directors, and one member of the nominations committee. Submit your name or the name of a colleague, keeping in mind that each candidate must be an SIA member in good standing and must consent to being considered for nomination.

Bob Frame

Chair, Nominations Committee

612-341-8140, frame@mnpreservation.org

Positions open in 2003:

Secretary (3-year term) serves as a member of the Board of Directors, takes official minutes at board meetings and the annual business meeting, and maintains the official records.

Treasurer (3-year term) serves as a member of the Board of Directors and maintains the SIA's accounts and financial statements.

Directors (3-year term), two of seven directors on the Board of Directors, which meets three to four times per year, including during the annual conference. Directors govern official business of the SIA and chair committees that oversee Society operations, such as publications, tours and conferences, and local chapters.

Nominations Committee (3-year term) serves as one of three elected members who oversee the annual nominations and elections. The newly elected member chairs the committee during the final year of the term.

All nominations are reviewed by the Nominations Committee, which will present a slate of candidates to the membership. Each nomination must include the name, address, telephone and e-mail address of the person nominated, and the

office, along with evidence that the candidate consents to be nominated. Once the slate is selected, the Nominations Committee will request a brief biographical statement and a photograph from each nominee.

Please submit nominations by December 31, 2002, to the committee chair: Bob Frame, Preservation Alliance of Minnesota, International Market Square., Ste. 54, 275 Market St., Minneapolis, MN 55405; 612-341-8140; frame@mnpreservation.org. If you're unsure about the process or the obligation, please call or email.

Editor's Note: The Board of Directors requested that this year's call for nominations appear in the newsletter to save the society the considerable cost of a separate mailing. The bylaws state that the Nominations Committee shall request suggested nominations by the members by means of a printed announcement at least thirty (30) days prior to selection by the Nominations Committee, Section 2.05 (a). This is that printed announcement.

SIA Officers and Directors, 2002-2003

Vance Packard, President (2002-04)

Chris Andrae, Vice President (2002-04)

Carol Poh Miller, Past President (2002-04)

Richard K. Anderson, Jr., Secretary (2000-03)

Nanci K. Batchelor, Treasurer (2000-03)

Susan Appel, Director (2002-05)

Perry Green, Director (2002-05)

Mary Habstritt, Director (2000-03)

Betsy Fahlman, Director (2001-04)

Robert Kapsch, Director (2001-04)

Bode Morin, Director (2002-05)

Robert Stewart, Director (2000-03)

Patrick E. Martin, Executive Secretary and Editor IA

Patrick Harshbarger, Editor SIAN

Nominations Committee

Bob Frame, Chair (2000-03)

Michael Raber (2001-04)

Justin Spivey (2002-05)

Carol Poh Miller, ex officio (2002-04)

- Jonathan Clarke. **Remnants of a Revolution: Mumford's Flour Mill, Greenwich.** *IAR* 24,1 (May 2002), pp. 37-55. Analysis of the changeover from traditional stone milling to roller milling at distinguished south London site.
- Charles Cochran. **Preserving the Grove.** *Savannah Morning News* (July 4, 2002), Sec. A, pp. 1,8. Federal officials discuss ways to protect Mulberry Grove, a plantation site where Eli Whitney reportedly invented the cotton gin in 1793.
- Rob Dickinson. **The Sugar Mills of Java.** *TICCIH Bulletin* 14 (Autumn 2001), p. 3. Steam-powered mills and dozens of narrow-gauge steam locomotives still at work in Indonesia.
- Charles W. Ebeling. **The First Fruit of a New Age.** *I&T* (Spring 2002), pp. 58-61. Overview of the development of the reinforced-concrete silo and its impact on American farming.
- Leo Landis. **Reaping the Harvest.** *T&C* 42,4 (Oct. 2001), pp. 750-53. Brief history of the mechanization of the grain harvest using combines and the practice of custom cutting.
- Larry Millett. **St. Paul Riverfront: Grain Elevator Will be Reused—or Razed.** *Pioneer Press* (Feb. 14, 2002). www.twincities.com/mld/pioneerpress. Developer is holding a design competition for reuse of the 117-ft. high reinforced-concrete elevators of the Equity Cooperative Exchange, opened in 1917.
- James F. O'Gorman. **The Vanishing Landscape and Architecture of the New England Tobacco Fields.** Univ. of Penn. Pr., 2002. 144 pp., illus. \$34.95. Includes tobacco barns.
- Bill Osiniski. **In Cairo, Syrup was King: After More than 100 Years, the Industry Is Gone.** *Atlanta Journal-Constitution* (Mar. 22, 2002). S. A. Roddenberry established a cane-syrup business in Cairo, GA, about 1862. The high-school football team was even called the "Syrupmakers." Dallas-based Dean Foods Co. is closing the last of the syrup-making operations.
- Michael Pollan. **Power Steer.** *NY Times Magazine* (Mar. 31, 2002). Described as the "biography of a cow." Reporter buys

steer and follows the details of its life from the ranch, to feedlot, to packing plant.

- Arni Sverrisson. **Small Boats and Large Ships: Social Continuity and Technical Change in the Icelandic Fisheries, 1800-1960.** *T&C*, 43,2 (Apr. 2002), pp. 227-53. Mechanization of Iceland's fisheries is used as case study to bolster argument about the importance of small-scale industries to long-term technological change and economic growth.
- Paul Sloca. **Cost Spelling End of Coke Icon.** *Rome (GA) News-Tribune* (Dec. 19, 2001) AP Wire. The Jefferson City (MO) Coca-Cola Bottling Co. will close the line that fills the famous 6.5-oz. green bottles because of problems with customers not returning the bottles and the retirement of the employee who ran the bottling line for 31 years. It was one of three 6.5-oz. bottling lines still in operation in U.S. [Does not say where the other two are.]

MISC. INDUSTRIES

- David Dyer and Daniel Gross. **The Generations of Corning: The Life and Times of a Global Corporation.** Oxford Univ. Pr., 2001. 507 pp. \$25. Glass maker celebrates its 150th anniversary. Rev: *T&C* (Apr. 2002), pp. 445-46.
- Mary and James Gage. **The Art of Splitting Stone: Early Rock Quarrying Methods in Pre-Industrial New England, 1630-1825.** Powwow River Books (163 Kimball Rd., Amesbury, MA 01913; jgage@nesl.edu), 2002. 63 pp., illus., \$10. Drawing upon historical accounts and archeological reports, pieces together the early history of rock quarrying. Eleven different stone splitting methods are documented, including one unique to New England. Authors have discovered a rare archeological site where some of the tools used in latter method are still stuck in the rock.
- Archie Green. **Tin Men.** Univ. of Ill. Pr. (1-800-545-4703), 2002. 216 pp., illus., \$24.95 cloth. For centuries, the history and lore of tinkers, tanners, tinsmiths, and sheet-metal workers have been represented through figurative sculptures known as tin men. Some served as sheet metal shops' trade signs or proved an apprentice's competence. Exploration of the relationship of tin men to craft education, union traditions, labor history, and social class. Inventory of tin men in museums and metal shops.
- John T. Labbe and Lynwood Carranco. **A Logger's Lexicon.** Timber Times Pr. (www.timbertimes.com), 2001. 240 pp., illus., \$48.95. Tom Hull [SIA] writes: "Don't know a robbers stick from a road monkey? Can't tell the difference between plugging for pitch and a plumb-bob squirrel? If logging terms have you so confused that you mistake your gut hammer for a gumboot show and you're running around the words like a blind dog in a meat house, then it's time to consult *A Logger's Lexicon*. I haven't had so much fun with a book in years. It's not for the prim and proper or politically correct. Previous dictionaries were restricted because of publishing taboos of the times. The authors thought it was time for a dictionary of historical accuracy, one that records what loggers, with their unique lingo, really called things. This book is absolutely uncensored."
- Frank R. Levstik. **Ohio Liberty Trucks.** *Timeline* (May/June 2002), pp. 32-39. The first Class B Liberty War Trucks were built by the Gramm-Bernstein Truck Co. of Lima and came off the assembly line on Oct. 17, 1917. *Timeline* is the magazine of the Ohio Historical Society, 6 issues/yr., \$30. Avail: 1982 Velma Ave., Columbus, OH 43211.

- Glen Norcliffe. **Ride to Modernity: The Bicycle in Canada, 1869-1900.** Univ. of Toronto Pr., 2001. 288 pp. \$24.95. The manufacture and social meaning of bicycles. Rev: *T&C* (Apr. 2002), pp. 425-26.
- Bill Osinski. **Group Aims to Save Old Mill, Tannery Site.** *Atlanta Journal-Constitution* (Dec. 25, 2001). Remains of ca. 1810-65 bark mill and tannery in Clinton, GA. Land purchased by Old Clinton Historical Society to prevent development.
- Leonard N. Rosenband. **Papermaking in Eighteenth-Century France: Management, Labor, and Revolution at the Montgolfier Mill, 1761-1805.** Johns Hopkins Univ. Pr., 2000. 210 pp. \$39.95. Vivid descriptions of journeymen papermakers and the attempts of the Montgolfier family to control the papermakers with mechanization. Rev: *T&C* (Apr. 2002), pp. 420-21.
- Martica Sawin. **Moveable Type.** *Preservation* (July/Aug., 2002), pp. 56-61. M&H Type, est. ca. 1915, finds new home for its presses, monotype, and hot-lead type foundry in the Presidio, San Francisco.
- Larry Thomas. **The Rexall Story.** Terminal RR Assn. Historical & Technical Society (Box 1688, St. Louis, MO 63188), 2000. 44 pp. \$10. History of the Rexall Drug Co., organized in 1902 as an association of drug store owners buying items from a common factory and warehouse (United Drug Co.) in St. Louis with rail service provided by the Terminal RR. Photos and text from the 1936 "Rexall Train," which traveled the country promoting the company's products. Rev: *NRB* 66,2 (2001), p. 39.

BUILDINGS & STRUCTURES

- Arnold Berke. **Mary Colter, Architect of the Southwest.** Princeton Architectural Press, 2002. 320 pp., illus., \$24.95. Working almost exclusively for the Fred Harvey Co. and the Santa Fe RR, Colter's career spanned the first half of the 20th c. She designed numerous structures at Grand Canyon and other locations on the Santa Fe, including Harvey Hotels and depots, as well as tourist attractions, combining natural features with designs inspired by prehistoric ruins and Pueblo architecture.
- Wilber W. Caldwell. **The Courthouse and the Depot.** Mercer Univ. Pr., 2001. 613 pp. \$50. Examination of courthouse and railroad depot architecture in Georgia from 1833 to 1910. Relates railroad development to architecture and economic aspirations of rural communities. Communities at railroad junctions had highly stylized court buildings, while those not at junctions were plain. Includes regional maps showing rail lines, dates of construction, company names, etc.
- Glenn Collins. **A Slow Return as a Hub for Aviation.** *NY Times* (Apr. 27, 2002), p. A14. Newark Airport's first terminal, opened in 1935, is being restored. The Art Deco building was the New York metropolitan area's first passenger terminal to integrate an airmail center, administration, air-traffic control tower, meteorological services, a hotel room for pilots, luncheonette, and baggage facilities. It was considered the busiest air terminal in the world in the late 1930s.
- Jason Goodwin. **Otis: Giving Rise to the Modern City.** Ivan R. Dee (Chicago), 2001. 286 pp. \$27.95. 150-year history of the famed elevator builder. Rev: *T&C* (Apr. 2002), pp. 431-433.
- Robert Pavey. **Southern Standby: Plant Made Gunpowder for Confederacy.** *Augusta Chronicle* (Apr. 9, 2002) and *Birds*

Endanger Monument (Apr. 19, 2002). Efforts to preserve and protect the 176-ft. brick smokestack built in 1861 at the Selby Mill in Augusta, GA.

- Sara Wermiel. **Army Engineers' Contributions to the Development of Iron Construction in the Nineteenth Century.** Public Works Historical Society (www.apwa.net/bookstore/), 2002. \$15. In-depth examination of the history of iron construction done in the U.S. by the Army Corps of Engineers.

WATER CONTROL & RECLAMATION

- Dennis Howe. **Timber Crib Dam Remains Are Recorded.** *SIA New England Chapters Newsletter*, v. 22,1 (2002), pp. 10-13. History of dams and waterpower on the Ashuelot River, Winchester, NH. Remains of the last in a series of dams, built ca. 1910.
- Lisa W. Foderaro. **'Watery Graves' Was No Figure of Speech.** *NY Times* (May 14, 2002). Unusually low water levels at NYC's Ashokan Reservoir in the Catskills reveals the stone-building foundations and remnants of villages that were taken over by eminent domain in 1913. Many residents still feel bitter for the loss of family homes and property. NYC Water Dept. plans exhibits at this and five other reservoirs west of the Hudson to commemorate sacrifice of communities displaced by the city's water system.
- Catherine Mulholland. **William Mulholland and the Rise of Los Angeles.** Univ. of Calif. Pr., 2000. 411 pp. \$35. Biography of the engineer responsible for much of the development of the city's water supply in the early 20th c. Includes the Los Angeles Aqueduct and accounts of the Boulder Dam and the failure of the St. Francis Dam. Written by his grand-

CONTRIBUTORS TO THIS ISSUE

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With Thanks.

daughter using family reminiscences. Rev: *T&C* (Apr. 2002), pp. 433-34.

- **Saved from the Dam: The Delaware Water Gap National Recreation Area** is a theme issue of *CRM* v. 25,3 (2002) that explores the impact of a dam that wasn't, the Tocks Island Dam project, begun in the 1950s and blocked in the late 1970s. The area that the dam would have flooded is now a NRA with diverse historic properties, including farms, resorts, bridges, roads, and railroads, posing challenges to preservation and adaptive reuse.
- James Sterngold. **The Big Old Dam Still Thrills, but from Fewer Angles.** *NY Times* (Apr. 27, 2002). Security measures at Hoover Dam spell an end to 'hard hat tours' for viewing the interior of the dam and limit the places visitors can go to view it from the exterior. The number of visitors has fallen from 1.3 million to 900,000 per year.
- Robert Stewart. **Cook's Dam, Ansonia, Connecticut.** *SIA New England Chapters Newsletter*, v. 22,1 (2002), pp. 16-19. Masonry dam on Beaver Brook, a minor tributary of Naugatuck River, supplied water to Sperry Mfg. Co. (carriage hardware) and the H. C. Cook Co. (nail clippers).

POWER GENERATION

- T. Lindsay Baker, ed. **Windmillers' Gazette.** Quarterly. Avail: Box 507, Rio Vista, TX 76093. www.windmillersgazette.com. \$20/yr. Dedicated to the preservation of America's wind-power history and heritage. Vol. 21,2 (Spring 2002) includes Homer C. Beck, *Windmill Tools* (aerometers, sucker rods, etc.) and *San Francisco 'Dutch' Windmills* (history of century-old windmills in Golden Gate Park). Vol. 21,3 (Summer 2002) includes *Oil-Bath Windmills Made by Stover Mfg. & Engine Co.*
- Angelika Baumann. **The Viennese Gasometer-City: A Container for Gas Becomes a Container for People.** *TIC-CIH Bulletin* 16 (2002), pp. 1,7. Highly critical review of the adaptive reuse of the gasworks in Wien-Simmering, built in 1896-99. One of the gasholder houses has been turned into an event hall with seating for 3,000 people. Other buildings now house apartments, offices, parking, and a mall. Claims preservation was not served by removing all signs of machinery and original function.
- David Flessner. **Raccoon Creates Power Boost.** *Chattanooga Times Free Press* (May 31, 2002). TVA's Raccoon Mt. pumped-storage plant built in the 1970s.
- Matthew Kierstead. **Deerfield No. 4 and Harriman Hydro Plants.** *SIA New England Chapters Newsletter*, v. 22,1 (2002), pp. 1-4. Two historic Deerfield River (MA) hydroelectric-generating facilities.

MINES & MINING

- Ken Catford. **The Industrial Archaeology of Spitsbergen.** *IAR* 24,1 (May 2002), pp. 23-36. One hundred years of coal mining on a remote Arctic island.
- Andy Fahrenwald. **Samuel Knight's Invention of a Unique Dredge Machine.** *Knight Club Noon Whistle*, 3 (Apr. 2002), pp. 2-7. Samuel Knight's dredge machine, patented in 1885, for removing overburden from gold-bearing gravel beds. The *Noon Whistle* is sent to members of the Knight Foundry and also includes updates on efforts to preserve and interpret the foundry [tour site—Annual Conference 1996]. Membership

begins at \$18.72/yr. Knight Foundry, Box 1776, Sutter Creek, CA 95685.

- Pat Frost. **Greenfield Mills Consolidation and Repair Work, 2000-2001.** *IA News* 121 (Summer 2002), pp. 4-5. Preservation of North Wales copper works, dating to mid-18th c.
- **Hot Sauce Bottle Offers Peek into Mining Town's Past.** *Savannah Morning News/AP Wire* (June 30, 2002). Short, quizzical news item reports archeologists have discovered the shards of a 130-yr.-old bottle of hot sauce, perhaps one of the oldest ever found, beneath the site of the Boston Saloon of Virginia City.
- John R. Park. **A Guidebook to Mining in America.** Stonerose Pub. Co. (7741 SW 59th Ct., S. Miami, FL 33143; <http://stonerosepub.home.att.net>). 2 vols., 622 pp., photos, illus., glossary. \$34.68. History of the mineral resource industries disguised as a travel guide. More than 1,700 entries: mining museums, museums with mining exhibits, tourist mines, viewable or tourable working mines, preserved ghost mining towns, mining monuments, stone quarries, blast furnaces, metal refineries, lime kilns, charcoal kilns, coke ovens, saltworks, saltpeter caves, petroleum refineries, pipelines, ore loading docks, ore boats, canals, industrial railroads, mine offices and houses, mints, assay offices, etc., etc. Also avail. is **Maryland Mining Heritage Guide including Delaware and the District of Columbia.** 88 pp., photos, maps, \$11.95. Offers expanded coverage with 130 additional entries and text. [These are very comprehensive, interesting and user-friendly resource guides. Great to have along when traveling!—The Editor].

TEXTILES

- Jo Ann E. Argersinger. **Making the Amalgamated: Gender, Ethnicity, and Class in the Baltimore Clothing Industry, 1899-1939.** Johns Hopkins Univ. Pr., 1999. 229 pp. \$39.95. Organization of the Baltimore Chapter of the Amalgamated Clothing Workers Union (ACWU). Describes organization of work, with designing, cutting, and pressing in large plants and sewing in small contract "sweat" shops. Rev: *T&C* 43 (Jan. 2002), pp. 177-79.
- Rosa Serra. **Colonies Textils de Catalunya.** Angle Editorial (Passeig de Pere III, 14-16 5e 1a, 08240 Manresa, Spain), 2002. In Catalan with English translation. Textile mills that grew up along the rivers flowing from the Pyrenean Mountains through Catalonia are claimed to be the most intense exploitation of waterpower of any rivers in the world. Densely illustrated book examines their architectural and technical heritage.

RAILROADS

- James W. Ely, Jr. **Railroads and American Law.** Univ. Pr. of Kansas, 2001. 376 pp. \$39.95. Railroads were America's first big businesses and they raised a host of problems for the 19th-c. legal system in areas of charters, eminent domain, safety, labor relations, and interstate commerce. Rev: *NRB* 66,6 (2002), pp. 50-51.
- Herbert H. Harwood, Jr. **Invisible Giants: The Empires of Cleveland's Van Sweringen Brothers.** Indiana Univ. Pr. (1-800-842-6796), 2002. \$39.95. One of the most dazzling business phenomena of the 1920s, Cleveland's two bachelor Van Sweringen brothers came out of nowhere to control the

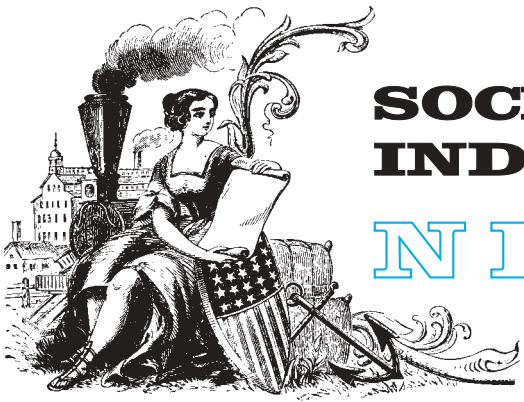
country's largest railroad network. Simultaneously, they sponsored creation of the model upper-class suburb of Shaker Heights and the landmark Terminal Tower building.

- Eugene L. Huddleton. **Uncle Sam's Railroads: The USRA and the Nation's Railroads.** Indiana Univ. Pr. (1-800-842-6796), 2002. 196 pp., photos. \$39.95. The US Railroad Administration was created during WW I to operate the railroads on their intensified wartime footing. As a result, the USRA changed the face of railroads forever and left America with twelve now-classic locomotive designs. Illustrated book presents a study of the 30-yr. impact of the USRA on steam locomotives.
- **Industrial Railway Record** is the journal of the Industrial Railway Society (UK). £13/yr., quarterly. It covers all aspects of industrial railways and locomotives in Great Britain and abroad. The most recent issue (v. 169, June 2002) includes Chris Fisher, *The Woolpit Brickworks Railway* (Suffolk); Cliff Shepherd, *Stephenson-Crossley Diesel Shunters*; and Keith Chester, *The Duro Dakovic Class 62 Locomotives* (Yugoslavian tank locomotives). In addition to its journal, the society maintains an extensive book sales list with an emphasis on European industrial railways and mines. Info: R. V. Mulligan, Owls Barn, The Chestnuts, Aylesbeare, Exeter, Devon, EX5 2BY, U.K.
- William D. Middleton. **When the Steam Railroads Electrified.** 2nd Ed., Revised. Indiana Univ. Pr. (1-800-842-6796), 2001. Revised 2nd ed. of a highly sought after, comprehensive history of electrification that has been out of print for years.
- Bill Osinki. **'Rolling State Park' Gets on Track.** *Atlanta Journal-Constitution* (June 24, 2002). New excursion train called the SAM (Savannah-Americus-Montgomery) travels through Georgia cotton country. Stops at the Georgia Rural Telephone Museum (Cordele), reported as having the world's largest collection of historic telephone equipment.

ABBREVIATIONS:

CRM	= Cultural Resource Management, published by the U.S. National Park Service
IA News	= Industrial Archaeology News, published by the Assn. for Industrial Archaeology (UK)
IAR	= Industrial Archaeology Review published by the Assn. for Industrial Archaeology (UK)
I&T	= American Heritage of Invention & Technology
NRB	= National Railway Bulletin, published by the National Railway Historical Society
SCA Journal	= Society for Commercial Archeology Journal
T&C	= Technology & Culture: Quarterly of the Society for the History of Technology
TICCIH Bulletin	= The International Committee for the Conservation of the Industrial Heritage Bulletin.

Publications of Interest is compiled from books and articles brought to our attention by you, the reader. SIA members are encouraged to send citations of new and recent books and articles, especially those in their own areas of interest and those obscure titles that may not be known to other SIA members. *Publications of Interest*, c/o SIA Newsletter, 305 Rodman Road, Wilmington, DE 19809; phsianews@aol.com.



SOCIETY FOR INDUSTRIAL ARCHEOLOGY NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 32, No. 1

Winter 2003

COMPILED BY

Mary Habstritt, New York, NY; and Patrick Harshbarger, SIAN editor.

GENERAL INTEREST

- **American Machinist Memories** is a series of books reprinting selected articles from early issues of *American Machinist Magazine*. The series is organized by theme. To date, it includes *Machine Shop 1900-01* (tools and techniques of the professional machinist); *Foundry 1900-01* (patternmaking and molding, including an article on molding a 9-ton flywheel); *Ordnance 1900-01* (history, design details, and manufacturing techniques of various types of ordnance); and *Engines 1900-02* (design, construction, and repair of engines). Illus., \$11.95 each, paper. Also, *Echoes from Oil Country*, (3 vols., illus., \$7.95 each, paper) the wild stories of W. Osborne, a fictionalized machinist from Pennsylvania's oil district, and his mishaps repairing governors, hiring good men, fixing pumps, working with bad Babbitt metal, running a worn-out lathe, and much more. *American Machinist Memories* is among a wide selection of reprints and technical books available from Lindsay Publications, Box 538, Bradley, IL 60915; (815) 935-5353; www.lindsaybks.com. Catalogue avail. Other recent issues include, Joseph V. Woodworth, **Punches Dies and Tools for Manufacturing Presses**, 4th ed., 1931 (reprint ed. 2002). 538 pp., illus. \$23.95 paper. Encyclopedia of die-making, punch-making, die-sinking, sheet-metal working, and making of special tools for everything from cartridge shells to pens, jewelry, and clockwork. **Making Rifle Barrels**, reprints from *Machinery Magazine* 1916. 61 pp., \$8.95.
- **Pioneer American Society Transactions**, v. 24 (2001) includes several articles of IA interest: Thomas M. Rasmussen, *Transportation Costs, Economies of Scale, and Early Settlement Patterns of Western New York* (pp. 29-41); Martin T. Olliff, *Alabama: Methodism, Capitalism, Utopia, and the Antebellum Mill Village* (pp. 43-55); J. Daniel Pezzoni, *The Architecture of Tobacco Manufacturing in Nineteenth-Century Virginia* (pp. 69-81); Michael C. Reis, 'By the Gasworks Wall': *The Split Image of the Pioneer American Gas Industry and Its Buildings* (pp. 83-95); Jeffrey L. Durbin, *From Shovel and Barrel to Automatic Unloader: The Material Culture of Great Lakes Iron Ore Unloading, 1855-1900* (pp. 97-111).
- Jim Quinn. **Patent Magic: Innovation's Home Turns 200**. *I&T* (Winter 2003), pp. 6-8. The U.S. Patent and Trademark Office celebrates its 200th anniversary.
- Joshua L. Rosenbloom. **Looking for Work, Searching for Workers: American Labor Markets during Industrialization**. Cambridge Univ. Pr., 2002. 216 pp., diagrams, tables. Interplay of market strictures, wage rates, and worker characteristics from the 1860s to 1910s explains the nature of employment patterns in the U.S.

- Sana Siwolop. **Shops Set Where Industries Were Once at Home**. *NY Times* (Oct. 23, 2002, p. C9). Atlas Terminals, built some 80 years ago in Queens, was home to GE, Kraft, and Westinghouse, among others. Developers plan to turn half of it into a retail and office complex.
- Theodore A. Webb. **Seven Sons: Millionaires and Vagabonds**. Trafford Pub. (www.trafford.com/robots/99-0024.html), 1999. 392 pp., bibliog. \$35.25. Story of the remarkable Washburn brothers of Livermore, ME. One of these was Cadwallader C., milling magnate of Minneapolis. Another was William D., who made his fortune in lumber, flour milling, and railroads.
- Howard Zinn, Dana Frank, and Robin D.G. Kelley. **Three Strikes: Miners, Musicians, Salesgirls and the Fighting Spirit of Labor's Last Century**. Beacon Pr., 2001. 174 pp. \$24. Covers the Ludlow Massacre of Colorado coal miners by the National Guard in 1913; the New York movie theater musicians' strike of 1936 in protest of job lost to the new technology of talking pictures; and a sit-in of Woolworth counter girls in Detroit during the Depression that was successful in achieving better pay and benefits.

RAILROADS

- Elinor Barr. **Thunder Bay to Gunflint: The Port Arthur, Duluth & Western Railway**. Thunder Bay Historical Museum Soc. (425 Donald St. E., Thunder Bay, Ontario, P7E 5V1; (807) 623-0801; fax 622-6887), 1999. 151 pp. \$24.95. Begun in the 1880s, the PAD&W ran from Port Arthur to the Paulson Iron Mine in MN. It later became an insignificant branch line of the Canadian Northern Ry. Examines the political intrigue that swirled around the PAD&W and the individuals who guided its destiny.
- Alan R. Clarke. **Broadwater's Art Shop**. *The Log Train*. Mountain State Railroad and Logging Historical Assn. Issue 67 (Summer 2001), v. 17, 3, pp. 4-12. Photographer in Thomas, WV, and the photographs he took of the WV Div. of the Western Maryland Ry. starting ca. 1907. His interests covered mining, railroads, tanneries, logging, and local towns. He took approx. 2,000 pictures, forming a visual story of the region.
- Edward E. Fagen. **The Engine's Moan: American Steam Whistles**. Astragal Press (Box 239, Mendham, NJ 07945; www.astragalpress.com). 288 pp., illus. \$44.45 ppd. A blend of scholarly treatise, antique guide, and shop manual. Covers the invention of the steam whistle, applications, physics of the whistle's operation, and the whistle in popular culture.
- Don Phillips. **Wronged Side of the Tracks? Railfans Complain of Police Scrutiny in Terror Era**. *Washington Post* (Nov. 15, 2002), p. A1. Railroad security is heightened and

railfans—often found around the lines with cameras and notebooks—report greater scrutiny of their activities and, at times, harassment by police. Some argue that railfans could be a real value in spotting a truly suspicious activity and reporting it.

- **Railroad Heritage** is the quarterly magazine of the Center for Railroad Photography and Art (Box 259330, Madison, WI 53725; www.railphoto-art.org). Articles examine the work of railroad photographers and artists. No. 5 (2002) includes *Santa Fe Photos Launch Project* (30 yrs. of Santa Fe photos by company photographer R. Collins); *Interurban Photos Show Style* (Chicago rapid transit publicity photos); *Union Station: A Chicago Landmark*; and *Seeing the Metropolitan Corridor* (interview with American railroad landscape historian John R. Stilgoe).
- Kurt C. Schlichting. **Grand Central Terminal: Railroads, Engineering, and Architecture in New York City.** Johns

Hopkins, 2001. \$26.50. Looks behind the architectural beauty of Grand Central to the engineering marvels achieved by combining subways, commuter rail, and long-distance rail lines in one station in 1913.

- Frederic D. Schwarz. **End of the Line?** *I&T* (Summer 2002), pp. 12-13. Uncertain fate of NYC's High Line, the abandoned elevated freight railroad on the city's west side.
- David O. Stowell. **Streets, Railroads, and the Great Strike of 1877.** Univ. of Chicago Pr., 1999. 182 pp., illus., maps. \$31; \$15 pap. The strike as a community uprising. Details the enormous cost in human terms of bringing railroads into urban centers.
- **Timber Transfer** is the newsletter of the Friends of East Broad Top RR. The Spring 2001 issue included Lance Myers, *New Life at the North End*, *The Mt. Union Connecting RR*, and Vagel Keller, *The Reluctant Railroad, The EBT's Rocky Ridge Branch*. Newsletter is a source of information on efforts to preserve the EBT, beloved by railroad historians and enthusiasts to be the most complete narrow-gauge railroad in the U.S., as well as feature articles on the EBT and related subjects. Quarterly newsletter is avail. with membership in the Friends. \$30/yr. Peter Clarke, 10428 Carlyn Ridge Rd., Damascus, MD 20872.
- Steven W. Usselman. **Regulating Railroad Innovation: Business, Technology, and Politics in America, 1840-1920.** Cambridge Univ. Pr., 2002. 414 pp., illus. \$65; \$25 pap. Innovation in the railroad industry as a jumping off point for an examination of American business, politics, and technology.
- Alan R. Woolworth. **The Genesis and Construction of the Winona and St. Peter Railroad, 1858-1873.** Society for the Study of Local and Regional History (Box 291, Marshall, MN 56258), 2001. 54 pp., illus., \$3 + \$1.50 p&h. Under-financed, struggling land-grant enterprise opened up large tracts of land in western Minnesota and eastern Dakota Territory to settlement.

Nominations Committee Announces 2003 Slate

The SIA Nominations Committee is pleased to present the following slate of candidates for the 2003 election:

Secretary (3-year term): Elect One	Richard K. Anderson, Jr.
Treasurer (3-year term): Elect One	Nanci K. Batchelor
Director (3-year term): Elect Two	Mark Finlay Duncan Hay Lynn Rakos XXXXX XXXXX
Nominations Committee (3-year term): Elect One	Larry Mishkar XXXXX

Additional nominations may be made in writing over the signatures of no fewer than twelve members in good standing and delivered to the chairwoman of the SIA Nominations Committee at the address below no later than April 15, 2003. Candidates must have given their consent to be nominated and must also be dues-paying members in good standing. Ballots, together with a biographical sketch of each candidate, will be mailed to all members in early May. Only dues-paying members in good standing will receive a ballot. (Dues notices for 2003 were mailed in December.)

For the committee,
Carol Poh Miller, Chairwoman*
Michael Raber
Justin Spivey

Reply to: SIA Nominations Committee, c/o Carol Poh Miller, 17903 Rosecliff Road, Cleveland, OH 44119-1347; 216-692-0747; cpmiller@stratos.net

* Note: Since announcement of the call for nominations in the last issue of SIAN, Nominations Committee Chairman Robert M. Frame III resigned. SIA President Vance Packard appointed Past President Carol Poh Miller, an ex officio member of the committee, to serve as chair.

WATER TRANSPORT

- Frederick E. Allen. **The 'Monitor' Rises.** *I&T* (Winter 2003), pp. 48-58. Bringing up parts of the Civil War ironclad ship from the ocean bottom off Cape Hatteras.
- Bill Beck and C. Patrick Labadie. **A Fabulous Trade: An Illustrated History of the Port of Duluth-Superior.** Afton Historical Society Pr. (Box 100, Afton, MN 55001; 1-800-436-8443; www.aftonpress.com), 2003. 200 pp., photos. \$35. Development of the port from an isolated fur-trading post to a global bulk transshipment facility for iron, coal, and grain. Labadie [SIA] was the opening-night speaker at the 2000 SIA Annual Conference in Duluth. Also: Chris Havens. **Volunteers Toil to Make 'Meteor' Shipshape.** *Duluth News Tribune* (Oct. 6, 2002). www.duluthsuperior.com/mld/duluthtribune/news/local/4224264.htm. Efforts to preserve the only surviving whaleback freighter, built in 1896 (tour site, 2000 SIA Annual Conference).
- Richard Chase. **Tugs Everlasting.** *I&T* (Fall 2002), pp. 24-27. Class of tugboats known as railroad tugs, built to move car floats, have long outlived their original job.
- Mary Louise Clifford and J. Candace Clifford. **Women Who Kept the Lights: An Illustrated History of Female Lighthouse Keepers.** 2nd ed. Cypress Communications, 2001. 242 pp., illus. \$32.95. 141 women who received official keeper appointments in the lighthouse service (more than twice that number received appointments as assistant keepers) and profiles 30 in detail. Most of these women were wives, wid-

ows, or daughters of former keepers, beginning with Hannah Thomas, who took over the Plymouth Light (MA) in 1776 when her husband went off to war.

- Charlie LeDuff. **So It's a Lighthouse: Now Leave Me Alone.** *NY Times* (Apr. 18, 2002). Frank Schubert, 85, is the country's last civilian lighthouse keeper. Living in a cottage at the Coney Island Lighthouse, built in 1890, he doesn't like the recent publicity and isn't taking phone calls or visitors.
- Gene Onchulenko and Skip Gillham. **The Ships of the Paterson Fleet.** Riverbank Traders (St. Catherines, ON), 1996. (Avail: Thunder Bay Historical Museum Soc., 425 Donald St. E., Thunder Bay, ON, P7E 5V1; (807) 623-0801; fax 622-6880; <http://www.tbaytel.net/tbhms/>). Illus. \$24.95. One of a series of shipping company histories by the publisher, this book tells the story of a family-owned Great Lakes firm based in Thunder Bay. Describes each company vessel from 1915-1995. Selections from the book are also online at <http://www.marmus.ca/marmus/PATSRN/shipstoc.htm>.
- Stephen Rowson and Ian L. Wright. **The Glamorganshire and Aberdare Canals.** Black Dwarf Pub. (47-49 High St., Lydney, Glos GL15 5DD, U.K.), 2002. 272 pp., maps, photos. £30. The history and IA of two canals in Wales.
- Kirkpatrick Sale. **The Fire of His Genius: Robert Fulton and the American Dream.** Free Press, 2001. 242 pp. \$24. Biography of the inventor, one of several developers of steam navigation, but the one who gets the most frequent popular history credit, mainly because of sustained commercial success, according to the author. Fulton's other endeavors at submarines and anti-ship torpedoes are also recounted, as well as his work as a painter. For another perspective on Fulton, how about John H. White, Jr., **Robert Fulton's Dream.** *I&T* (Summer 2002), pp. 38-46. Summary: he wanted to become rich and well-connected. Along the way he invented the steamboat.
- Ben Webster. **Canals to Be Revived by a £500m Flow of Cash.** *The [London] Times* (Mar. 23, 2002), News Sec. p. 8.

CONTRIBUTORS TO THIS ISSUE

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With Thanks.

Britain will spend huge sums to reopen or build anew nearly 300 miles of canal. Boom in small boats and developers' interest in waterfront properties have encouraged the renaissance. Among the projects are restoration of Bow Back Rivers in East London and the Manchester, Bolton & Bury Canal. The 37-mile Cotswolds Canals will include reopening the Sapperton Tunnel, at 2.25-miles the longest canal tunnel in the country. The Anderton Boat Lift, built in 1875 to link the River Weaver and the Mersey Canal, its original machinery restored, has begun raising boats again after being abandoned 20 years ago.

POWER GENERATION

- T. A. Heppenheimer. **Nuclear Power: What Went Wrong?** *I&T* (Fall 2002), pp. 46-56. Engineers made it safe, but they couldn't make it cheap.
- **Pavilion to Provide Shelter for Historic Steam Engine.** *The Tennessean* (Nov. 14, 2002), Local News Section. www.tennessean.com. Steam engine in Dickson, TN, once powered the Cowan Lumber Co. mill. Described as 16-ft. high and 27-ft. long and built by an Iowa foundry, ca. 1920.

BRIDGES

- Mella Rothwell Harmon and Bert Bedeau. **Working to Save Reno's 'Wedding Ring Bridge.'** *SCA News* 10,2 (Summer 2002), p. 1. Virginia St. Bridge over Truckee River in downtown Reno, NV, a reinforced-concrete arch built in 1905, is under threat of demolition. Folklore has it that divorcees cast their wedding rings from the bridge after exiting the nearby courthouse.
- David Plowden. **The Bridges I Love.** *I&T* (Winter 2003), pp. 28-39. One of America's foremost photographers describes why he loves bridges and their history.

BUILDINGS & STRUCTURES

- Elsa Brenner. **New Life for Rundown Site on Yonkers Waterfront.** *NY Times* (Oct. 8, 2002), Real Estate, p. 7. Redevelopment of Hudson River waterfront in Yonkers includes re-use of 19th-c. Otis Elevator Co. complexes.
- James S. Russell. **Coop Himmel(l)au Challenges Preservation Orthodoxy in the Gasometer B Project by Making Stolid...** *Architectural Record* (Nov. 2001), pp. 109-115. Four-gasholder house complex in central Vienna adaptively re-used for apartments, offices, and shops within and above. Each house was assigned to a different architect. Focus of this article is one redesigned by Wolf Prix with a performance hall at grade, 13 stories cantilevered over the top of the hall, and a 22-story addition.
- Sara Wermiel. **Army Engineers' Contributions to the Development of Iron Construction in the Nineteenth Century.** American Public Works Assn., 2002. Avail: www.apwa.net/bookstore/detail.asp?ProductID=359 or from the Public Works Historical Society, 2345 Grand Blvd., Ste. 500, Kansas City, MO 64108-2641; (816) 472-6100. \$15. Since the late 19th c., the work of the U.S. Army Corps of Engineers has centered on rivers and harbors. But earlier in the 19th c., Army engineers were called on to help with a variety of civil (in contrast to military) engineering projects. They were among the first Americans to build with iron. The first part treats the early history of iron-skeleton lighthouses. Several of the earliest of these lighthouses, dating from the 1850s, are still standing off the south coast of Florida. The second part deals with iron-framed fireproof buildings built by the federal government in the 1850s under the overall direction of Army engi-

neer, Capt. Alexander Bowman. Dozens of fireproof federal buildings went up in this decade and some are still standing, such as the post offices in Windsor, VT, and Georgetown, Washington, DC. This section of the essay treats the origins of rolled I-beams. Questions or comments? Contact the author, 70A South St., Jamaica Plain, MA 02130, fireproof2@att.net.

MISC. INDUSTRIES

- Peter Bartrip. **The Way from Dusty Death: Turner and Newall and the Regulation of the British Asbestos Industry, 1890s-1970.** Athlone Pr., 2001 (Avail.: Continuum Books, 1-800-561-7704). 400 pp., \$99. Emergence of medical, then official, concern about the three diseases related to asbestos (asbestosis, lung cancer, and mesothelioma), the legislative process and impact of the 1931 Asbestos Industry Regulations providing insight into occupational health and its regulation in 20th-c. Britain. Author had unimpeded access to the archive of Turner & Newall, the leading British asbestos mfr.
- Alan R. Clarke. **Jenningston.** *The Log Train.* Mountain State Railroad and Logging Historical Assn. Issue 71 (Summer 2002), v. 18, 3, pp. 8-23. Account of the rise and fall of a logging town in Randolph and Tucker counties, WV.
- John Steele Gordon. **A Thread Across the Ocean: The Heroic Story of the Transatlantic Cable.** Walker & Co., 2002. 240 pp., illus. \$26. The indefatigable spirit of Cyrus Field in getting the first transatlantic cable laid in spite of calamity, misfortune, error, and failure, and how the project reflected our human propensity to push technology beyond its limits. Rev.: *NY Times Book Review* (Aug. 11, 2002), p. 26.
- Michael Lamm. **Feel the Noise: The Art and Science of Making Sound Alarming.** *I&T* (Winter 2003), pp. 22-27. From the earliest fog signal on an American lighthouse (Boston Harbor, 1719) to Chrysler air-raid sirens of the 1950s.
- Seth Shulman. **Unlocking the Sky: Glenn Hammond Curtiss and the Race to Invent the Airplane.** HarperCollins, 2002. \$25.95. Litigious rivalry between the Wright brothers and Curtiss in airplane design and development.

PAPER & PRINTING

- Jack Abbott. **The Harper Establishment.** Oak Knoll Pr., 2001. 182 pp., illus. \$29.95. Reprint of 1855 ed. By examining book manufacturing at Harpers, explains the entire mid-19th-c. book printing process from the arrival of paper at the loading dock to finished bound book. Floor plans, numerous wood engravings of machinery and workers, and detailed descriptions.
- J. P. Bertrand. **Timber Wolves** Thunder Bay Historical Museum Soc. (Thunder Bay Museum, 425 Donald St. E., Thunder Bay, Ontario, P7E 5V1; (807) 623-0801; fax 622-6880), 1997. 162 pp., illus., maps. \$14.95. Story of the pioneer loggers, pulpwood operators, timber speculators, and mill promoters, many of whom the author knew. Includes details of their political devices and intrigues to obtain exportable pulpwood without having to pay Crown dues, to trespass on Crown Reserves, and to gain favor with political leaders.
- Tom Conroy. **Bookbinder's Finishing Tools Makers, 1780-1965.** Oak Knoll Pr. (310 Delaware St., New Castle, DE 19720; www.oakknoll.com) 2002. 250 pp., illus. \$55. Directory of hundreds of tool-cutters and their firms covering 1780 to 1965. Biographies of each craftsman and many illustrations of original trade marks and advertisements. Opening essays, *What Finishing Tools Are and How They Were Used* and

How Finishing Tools are Made. Co-published with the British Library.

- Eero Niinikoski. **Verla Mill Museum Celebrates 30th Anniversary.** *TICCIH Bulletin* 18 (2002), p. 1. Paper mill, located about 150 km northeast of Helsinki, Finland, operated from 1882 to 1964, became a museum in 1972, and features mill technology tours and childrens' programs.
- Roy Piovesana, Beth Boegh, and Thorold J. Tronrud. **Paper & People** Thunder Bay Historical Museum Soc. (425 Donald St. E., Thunder Bay, Ontario, P7E 5V1; (807) 623-0801; fax 622-6880; <http://www.tbaytel.net/tbhms/>). \$59.95; \$29.95 pap. Great Lakes Paper Co. grew from a local Thunder Bay operation to an international forest products corporation. Based on photos taken over a 50-year period, every operation of the mill is documented.

AGRICULTURE & FOOD PROCESSING

- Steve Leikin. **The Cooperative Coopers of Minneapolis.** *Minnesota History* 57, 8 (Winter 2001/2002), pp. 386-405. Trade unionism and cooperative shops among the barrel makers that supported the great Minneapolis flour-milling industry.
- René Boretto Ovalle. **Fray Bentos: A Town with the Flavour of a Meat Pie.** *TICCIH Bulletin* 18 (2002), p. 3. Fray Bentos, Uruguay, home of the Leipig Co., achieved wide fame in Europe for its meat-product exports, including the beef cubes with the OXO trademark. Leipig's late-19th-c. industrial complex includes machinery, tools, documents, photos, and even a complete chemical laboratory. A local group is developing a "museum of the industrial revolution." Web site: www.anglo.8m.com.

IRON & STEEL

- John U. Bacon. **If There's a Hole, They Cover It.** *Michigan History*, 86,5 (Sept./Oct. 2002), pp. 8-13. Illustrated article on the history and current manufacturing process of the ubiquitous manhole covers produced by the East Jordon Iron Works, East Jordon, MI.
- James Stacey and Jimmy Santiago Baca, eds. **The Heat: Steelworkers Lives and Legends.** Cedar Hill Pub., 2001. 157 pp. Series of stories written by steelworkers, the outcome of writing workshops offered by the United Steelworkers of America to prepare workers for careers in or out of the industry. *NY Times Book Review* (Oct. 29, 2002) described the stories as 'unadorned and moving.'

ABBREVIATIONS:

<i>I&T</i>	= <i>American Heritage of Invention & Technology</i>
<i>SCA News</i>	= <i>Society for Commercial Archeology News</i>
<i>TICCIH Bulletin</i>	= <i>The International Committee for the Conservation of the Industrial Heritage Bulletin.</i>

Publications of Interest is compiled from books and articles brought to our attention by you, the reader. SIA members are encouraged to send citations of new and recent books and articles, especially those in their own areas of interest and those obscure titles that may not be known to other SIA members. *Publications of Interest*, c/o **SIA Newsletter**, 305 Rodman Road, Wilmington, DE 19809; phsianews@aol.com.