

SOCIETY FOR INDUSTRIAL ARCHEOLOGY

NEWSLETTER

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Fall 1998

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INDIANAPOLIS IA

Review of the 1998 Annual Conference

The SIA held its 1998 Annual Conference in Indianapolis, June 4-7. Following on the heels of last year's conference in the rugged copper country of Michigan's Upper Peninsula, and the 1997 fall tour in the piny woods of Central Louisiana, urban Indianapolis offered a change of pace and a more traditional SIA-conference environment of an industrial and commercial city. Conference organizers offered a full schedule of events with many optional tours and plenty of opportunities to take in the flavor of a city noted for its transportation history, but also with a solid base of diversified manufacturing and large-scale public works.

More than 220 registrants turned out for the conference at the University Place Hotel. Thursday's early bird tour had a history of transportation theme. SIA's early birds headed south of Indianapolis to the **Whitewater Canal** (1836-1848) and an excursion trip on the **Whitewater Valley RR**, which was established on the canal towpath in 1868. The train made several stops to view canal structures, including the Garrison Creek aqueduct site and the Laurel feeder dam. Canal Society of Indiana members narrated the trip. Indiana's antebellum transportation history was dominated by the goal of better connecting the central Indiana heartland with the Ohio River, which served as the primary transportation corridor until the coming of the major trunk-line railroads in the last half of the 19th century.

For those arriving too late for the full-day early bird tour, a half-day walking tour of downtown Indianapolis was offered. Dana Florestano, a local architect, led the tour that featured manufac-

tories, warehouses, and transportation resources, in addition to the city's impressive civic and commercial architecture. Another option on Thursday was the **Repairing and Restoring Historic Bridges Workshop**. Jim Cooper [SIA] helped organize the workshop, an event co-sponsored by the SIA, Purdue University School of Civil Engineering, the Indiana Division of Historic Preservation, the Historic Landmarks Foundation of Indiana, Allen County Commissioners, and the American Society of Civil Engineers. The event was well-attended by SIA's pontists and many engineers, bureaucrats, and politicians involved in the restoration of historic bridges in Indiana. Outdoor demonstrations of riveting, heat-straightening, and hand forging of steel and iron bridge members were followed by a papers session where speakers shared some of the issues, concerns, and success stories of historic bridge preservation in Indiana and beyond.

The transportation theme was picked up again in Thursday evening's lecture by George Geib, professor of history at Butler University and an expert on Indianapolis history. He explained how Indianapolis's location at the center of the state influenced its selection as the state capital in 1821, and its role as a transportation hub was later insured by the National Road, surveyed in 1827. State politicians promoted railroads in part because the capital was difficult to reach over muddy roads from other sections of the state. By 1857,

(continued on page 2)

1998 Annual Conference group photo, Amtrak Beech Grove Shops.



John Reap photo



An inspector checks links at Diamond Chain.

(continued from page 1)

railroads radiated in seven directions from the city. The original 1852-53 **Union Station**, replaced in 1887-89 by the existing station, ranks as the earliest union station in the nation. Efforts to revitalize the station by adaptive reuse as a shopping mall have sputtered, and those of us who walked downtown to look at it were disappointed that most of the station was closed off to the public. Boosterism was also a theme of Professor Geib's humorous talk, as he described a cast of characters from Indianapolis's industrial past who got out and hustled for new business and did everything possible to promote the city as a first-class place to live and work, even though they often labored under the notion that they were falling behind the national pace of industrial progress.

Friday, SIAers split into eight tour groups, each with a separate itinerary of historic sites, process tours, and museums. Needless to

The *SIA Newsletter* is published quarterly by the Society for Industrial Archeology. It is sent to SIA members, who also receive the Society's journal, *IA*, published annually. SIA promotes the identification, interpretation, preservation, and re-use of historic industrial and engineering sites, structures, and equipment. Annual membership: individual \$35; couple \$40; full-time student \$20; institutional \$40; contributing \$60; sustaining \$125; corporate \$250. Send check or money order payable in U.S. funds to the Society for Industrial Archeology to SIA-HQ, Dept. of Social Sciences, Michigan Technological University, 1400 Townsend Drive, Houghton, MI 49931-1295; (906) 487-1889; e-mail: SIA@mtu.edu.

Mailing date for Vol. 27,3 (Fall 1998), Nov. 1998. If you have not received an issue, apply to SIA-HQ (address above) for a replacement copy.

The *SIA Newsletter* welcomes material and correspondence from members, especially in the form of copy already digested and written! The usefulness and timeliness of the newsletter depends on you, the reader, as an important source of information and opinion.

TO CONTACT THE EDITOR: Patrick Harshbarger, Editor, *SIA Newsletter*, Box 45, Toughkenamon, PA 19374-0045; (610) 268-3899; e-mail: phsianews@aol.com.



Pneumatic riveting was demonstrated at the bridge workshop.

say, selecting a tour was not an easy choice given the many enticing sites. Many SIAers selected a visit to **The Brickyard**, a.k.a. Indianapolis Motor Speedway, so named because of the brick racing surface. While not IA per se, the raceway has become synonymous with Indianapolis and high-performance automobiles. SIAers were offered a guided bus ride around the track and time to spend wandering through the racing museum. The Brickyard dates back to 1909, when dozens of truck and automobile manufacturers called Indianapolis home. They thought that the city was on its way to becoming the Motor City, only they lost out to the mass-production techniques of Detroit in the 1920s.

Still, Indianapolis is home to many auto and truck parts manufacturing plants, including the **Navistar Foundry** and the **Chrysler Foundry**. The Navistar Foundry was established by International Harvester in 1937 to consolidate its foundry and engine assembly operations. SIAers were offered a tour of the main foundry and sand-mold casting process, as well as the engine assembly line. The plant produces about 1,000 diesel engines per day, mostly for Ford trucks. Much to their pleasure, SIAers had a close-up, reach-out-and-touch-it, type of tour at Chrysler. The Chrysler Foundry produces engine blocks for 90 percent of the company's cars and trucks. The foundry uses 500 tons of sand daily to make the core molds for the engine blocks. Tour participants saw molds produced by both a hot-box machine, which uses heat to harden the sand, and a cold-box machine, which molds the sand with triethylamine gas instead of heat. They also viewed the cupola furnace where scrap iron and other materials are loaded to produce the hot metal.

Public utilities were featured on several tour itineraries. The Indianapolis Water Company organized guided tours of its **White River and Fall Creek water treatment plants** with an overview of the city's water resources and treatment facilities from the time the company was established in 1872 to the present day. The public transit corporation allowed SIAers to stroll through its bus garages, housed partly in buildings of the original **Duesenberg automobile factory (1920)**. **Citizens Gas and Coke** offered a tour of its coke plant, which operates 24-hours daily, 365 days per year, manufacturing gas and coke. SIAers were allowed a close-up view of the automated coke batteries, which receive charges of 26 tons of coal to produce 20 tons of coke and a by-product of coal gas that is distributed to industrial and residential consumers. The company's 1930s gasholder served as the annual conference logo.

Another stop on the public utility cavalcade was **Indianapolis Power and Light's Perry K plant**, established in 1892. It was fascinating to see at work a G.E. turbine-generator installed in 1924 that still carries its share of the load along with a coal-fired boiler.



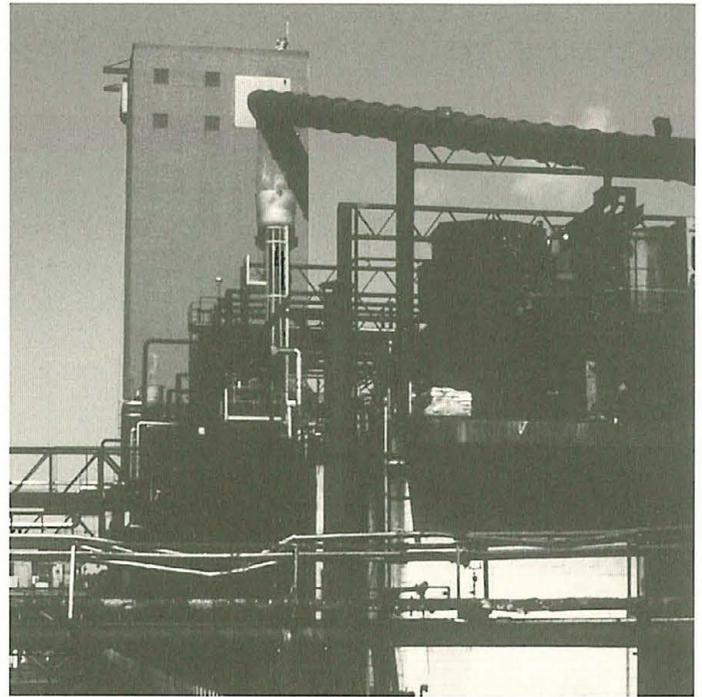
SIAers inspect the presses used to form globes at George F. Cram.

er from 1937. The 1946 coal dumping apparatus, which turns the coal cars completely upside down, was also of interest. Rounding out the utilities tour was the **Holliday Hydroelectric Powerhouse** (1922) in Noblesville. The plant, retired in 1965, still retains all of its original equipment, including two **Leffel AX** type turbines (first-generation, Francis-type turbines) directly connected to 100 rpm, synchronous G.E. generators.

Indianapolis also has its share of diversified manufacturers. The tour called "Chains, Oils, Globes, and Pipe Organs" couldn't have offered a more eclectic selection. **Diamond Chain** gave a thorough tour of its plant where they produce some 700 different roller chains for industrial uses. A diversity of machine tools produce chains ranging in size from those used to operate well-drilling rigs and automobile assembly lines to miniature chains used in aerospace and high-tech industries. **Crescent Oil** is a family-operated business that mixes and recovers specialty oils in a facility little changed since the late 1930s. An alluring stop was **George F. Cram Company**, where SIAers watched the manufacture of maps and globes on highly specialized machinery. The company's cartographers took time to explain how they combine old-fashioned hand artistry with today's modern computer graphic techniques. Hand craftsmanship was the theme at **Goulding & Wood**, manufacturers and restorers of pipe organs. The company averages about two or three instruments per year, each carefully crafted to the customer's space restrictions and specifications.

The tour that went the furthest afield from Indianapolis was the **Limestone Country** tour to southern Indiana. Hoosier limestone is famous for its high-quality finish as a building stone used in structures such as the Empire State Building and the Pentagon. The SIA saw active and abandoned open-pit quarries and an unusual underground limestone quarry. The tour also stopped at a cemetery to look at limestone carvings.

Rounding out the Friday tours, and bringing the group back to the transportation theme, were railroads. The **Indiana Transportation Museum** rolled out its collection of locomotives, street cars, interurbans, and freight cars. The museum is particularly proud of its **Class H1 steam locomotive (2-8-2 Mikado)**, built in 1918, and restored to service, and of its eight stainless-steel, streamlined 1937 **Santa Fe coaches** containing most of their original equipment, including dining and sleeping accommodations. Conrail provided a tour of its **Big Four Yard**, originally constructed in the 1950s. It is located on the Indianapolis to St. Louis line of the former Cleveland, Cincinnati, Chicago, & St. Louis Rwy. (Big Four), which was acquired by the New York Central in 1922. The yard is about 3.75-miles long and contains about 68 miles of track, receiving some 26 trains per day consisting of approxi-



Coke battery, Citizens Gas & Coke.

mately 1,600 cars. It is the fourth largest classification yard on the Conrail system. SIAers visited the 1950s computer, complete with vacuum tubes, that still controls the classification and switching system.

The Saturday paper sessions and annual business meeting were held at the conference hotel. One of the three concurrent sessions was dedicated to bridges, hosted for a 15th year by Eric DeLony. Other sessions featured a half-morning on an "All Pennsylvania" theme and another half-session on the history and restoration of the **Gronauer Lock No. 2** of the Wabash and Erie Canal in Indiana. Saturday's banquet at the Athenaeum, built in 1893 as a German cultural and social center, included a big band for entertainment.

Sunday's tours continued the theme of railroads with the feature stop at **Amtrak's Beech Grove Shops**, established in 1914 by the Big Four as the "world's greatest locomotive hospital." The Big Four railroad used the facility to repair steam locomotives, and Amtrak now uses it as their main passenger car repair and rebuilding facility, along with some service to its diesel locomotives. Another Sunday tour feature was the former **U. S. Arsenal (1863-65)**, converted to a technical high school in 1903. For those who did not have the opportunity to visit Madison in southern Indiana for the 1994 Fall Tour, the **Schroeder Saddle Tree Factory** was open by special drop-in invitation on Sunday and Monday.

The SIA's special thanks go to Bill McNiece who chaired the 1998 Annual Conference Organizing Committee. He was the driving force behind the conference, and put in an extraordinary individual effort. A dedicated group of volunteers joined with Bill including Jim Cooper, Leigh Darbee, Ralph Gray, Elizabeth Monroe, Jim Morgan, and John Staicer, who served on the planning committee. A host of others worked as tour leaders and assistants. Thanks go to each of them for all of their help. Some important publications resulted from the conference including *The SIA 27th Annual Conference Industrial Sites Guidebook*, and a special industrial-history theme issue of *Traces* (Spring 1998), the magazine of the Indiana Historical Society, published to coincide with the conference.

J. P. H.

1998 SIA General Tools Award Presented to Helena E. Wright

The Society for Industrial Archeology General Tools Award for Distinguished Service to Industrial Archeology was established in 1992 through the generosity of SIA member Gerald Weinstein, chairman of the board of General Tools Mfg. Co., and of its giving arm, the Abraham and Lillian Rosenberg Foundation. The award recognizes individuals who have given sustained, distinguished service to the cause of industrial archeology. Nominations for the award may be made by any member in good standing. Criteria for selection are as follows: The recipient must have given noteworthy service, over an extended period of time, to the cause of industrial archeology. The type of service is unspecified, but must be for other than academic publication. It is desirable, though not required, that the recipient be a member of the SIA. And, finally, the award may be made only to living individuals.

The following citation was read by General Tools Award Committee Chairman Emory Kemp at the SIA's Annual Business Meeting, Indianapolis, IN. The award consists of this citation, a commissioned sculpture (the famous Plumb Bob), and an honorarium of \$1,000.

Helena Wright's numerous contributions to industrial archeology exemplify the tradition of sustained, distinguished service that is honored through the General Tools Award. As an active member of SIA and a former president, she has been constantly involved in formulating policies and guiding operations for two decades. She was instrumental in fostering relationships with our international counterparts through such networks as TICCIH, thereby introducing many SIA members to industrial heritage documentation and conservation on a global level. In addition to her organizational and diplomatic efforts on behalf of IA, Helena has also enriched current practice within the discipline. She has been a strong advocate for incorporating visual evidence into the study of material culture; many investigations of industrial sites and processes have benefitted from her suggestions. Throughout her professional career she has been an accessible and reliable source of information and advice, acting as mentor and friend to the legions of grizzled veterans, as well as wide-eyed neophytes who have sought her expertise or shared her interests.

During her tenure at the former Merrimack Valley Textile Museum between 1968 and 1983, Helena occupied a key position at what was then a premier center for industrial history research. A blitzkrieg survey of endangered New England textile mills first brought her attention to the new field of industrial archeology. The comprehensive analysis of industrial sites later found expression in the collections policies that Helena implemented; she built up MVTM's holdings of manuscript and iconographic materials so that they could address a wide range of issues related to the textile industry and the communities where it was situated. Numerous scholars, both established and aspiring, made use of these nationally significant collections; their publications have since influenced many museum exhibitions and other public presentations. To this body of work, Helena added her own checklists and catalogues of MVTM's library resources, including *New City on the Merrimack: Prints of Lawrence, 1845-1876* (1974) and *Textile Technology Prints* (1980), which became invaluable

research guides. During these years, the MVTM library was an exceptionally stimulating and pleasant environment; both characteristics were attributable in no small measure to Helena's presence and influence.

It was also during her stint in the Merrimack

Valley Museum that Helena began immersing herself in IA fieldwork, programs, and activities conducted by the vibrant Southern New England and Northern New England chapters. In 1982, she was elected to the SIA Board of Directors. After relocating to Washington, D.C., and taking up the position of Curator of Graphic Arts at the National Museum of American History in 1983, Helena found her skills in great demand among IA constituencies both at home and abroad.

She fulfilled the presidency of SIA with aplomb during her 1984-1986 term of office; one of her initiatives involved formulating strategies for broadening the base of active participation in SIA. In the same period she was designated as the U.S. national TICCIH representative. Industrial Heritage 84, the 5th triennial assemblage of TICCIH which was part of a troika of major industrial history conferences staged in the Boston area over the course of ten broiling June days, owed much of its success to Helena's dedication.

While these achievements would certainly rank as high points on anyone's résumé, Helena has never shunned the more mundane aspects involved in maintaining the machinery of IA. She has participated in the summer Industrial Archeology Institute, which provided training in recording techniques and historic preservation; the SIA's NEH-funded curriculum project; and the Norton Prize Committee. Her frequent contributions to the *SIA Newsletter* have touched on topics ranging from IA in art to important developments overseas. Following Robert Vogel's retirement in 1988, Helena was one of a small group of stalwarts who maintained SIA headquarters at the Smithsonian until the organization's relocation to Michigan Technological University in 1993. In addition to acting as headquarters liaison with the SIA membership and the outside world during this interregnum, Helena continued to cultivate contacts with kindred professional societies and filled the post of Exhibits Review Editor for *Technology & Culture*. She also found time to curate the photographic exhibit, "Working People," at the National Museum of American History in 1992.

A few paragraphs cannot truly do justice to the extent of Helena's accomplishments in the field of IA; nor can words alone convey the esteem in which she is held by her peers. It is with a feeling of pride and heartfelt admiration that today we recognize one of our most gracious ambassadors and colleagues, Helena E. Wright. ■



Robert Vogel photo.



Notes From the President

Greetings from London! I am on sabbatical for the year and spending part of the fall in England, continuing research on a history and archeology project dealing with 17th-century migration to the Bahamas. While most of my time is spent among the old books and documents at the British Library and the Public Records Office, I am also taking the time to see the sites, and note how London has changed in the 30 years since I lived here. I have been going on field trips with American college students on a semester abroad program. Watching students get involved with the history of technology has been a lot of fun, but their general lack of knowledge and the difficulty they have grasping concepts has been a bit frightening. At Greenwich they were fascinated by the new exhibit on the development of the chronometer, but had a hard time understanding why it was so necessary. In the Museum of London they studied a wonderful exhibit on the need for fresh water in the city and the rise of plumbing, but again couldn't quite put it all into the big picture. On polling I found that none of these students came from a college or university that offered courses in the history of technology or industrial archeology.

Past President Fred Quivik has worked hard to put together this fall's conference on *Whither IA?*; our opportunity to assess our past and lay out a path for the future. As the incoming President, I hope to see that future paths include a strong commitment to IA education and recruitment of high school and college student members. Already most of our fall and annual tours contain "family friendly" tours, and our members are eager to bring their children along to share the experience that only an SIA tour can provide.

It is my hope that the session on IA within the university setting will generate some new ideas on recruiting students. We have a fund to support students who give papers at the annual meeting, and we have been active in recruiting students for paper sessions, but we need to do more. I have urged people who teach IA and history of technology courses to send me copies of their syllabi so we can offer a clearinghouse for interested parties. If you did not make it to the conference and you teach in these fields, or if you are associated with a university or faculty who offer these classes, send me your syllabi. To everyone, send suggestions you may have on ways to encourage students to become interested in IA and technology.

While visiting industrial museums and sites in England, I have been struck by the number of people of all ages and backgrounds who understand what they are seeing, and who are taking IA classes at their local university, for credit or for fun. Wouldn't it be nice if we could be the driving force to generate that same level of interest in our community?

Sandy Norman, President
Dept. of History, Box 3091
Florida Atlantic University
Boca Raton, FL 33431-2535
e-mail:norman@acc.fau.edu

Call for Nominations

For those willing to commit their time and skills to direct the SIA, there are four openings to be filled in 1999: three Directors and one member of the Nominations Committee. *Please note, all candidates must give their consent to be considered for nomination and must be members in good standing.*

Directors (3-year term), three of seven directors on the Board of Directors which meets quarterly, including during the Annual Conference. Directors govern official business of the SIA and chair subcommittees convened for ongoing functions, such as publications, tours and conferences, local chapters, and special events.

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 his/her term.

Nominations from the membership are requested by the Nominations Committee, which will then offer a slate of candidates to the membership. The committee welcomes your suggestions, including offering yourself as a candidate.

Please submit nominations by Jan. 4, 1999, by mail to:

Patrick M. Malone,
53 Riverside Dr., Barrington, RI 02806.

Include the name, address and telephone numbers of the person nominated, and the position. Be certain that the person has given his/her consent to be nominated.

Once the slate is selected, the Nominations Committee or SIA Headquarters will request a biographical statement (not to exceed 150 words) and a photograph from each nominee.

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, 1998-99

Sandra L. Norman, President (1998-2000)
Carol Poh Miller, Vice President (1998-2000)
Richard K. Anderson, Jr., Secretary (1997-2000)
Nanci K. Batchelor, Treasurer (1997-2000)
Fred Quivik, Past President (1998-2000)
Jack R. Bergstresser, Director (1996-1999)
Gray Fitzsimons, Director (1998-2001)
John D. Light, Director (1997-2000)
Bierce Riley, Director (1998-2001)
David A. Simmons, Director (1996-1999)
John M. Stacier, Director (1997-2000)
Anne E. Steele, Director (1996-1999)
Patrick E. Martin, Executive Secretary and Editor IA
Patrick Harshbarger, Editor SIAN

Nominations Committee

Patrick M. Malone, Chair (1996-1999)
Robert Casey (1997-2000)
David Shayt (1998-2001)
Fred Quivik, ex officio (1998-2000)



SIA Savannah Annual Meeting 1999

Patrick Hansberger photos



Central of Georgia RR shops, Savannah.

Mark your calendars for June 3-7. The 28th Annual Conference will be held in enchanting, historic Savannah, Georgia. While the city is well-known for its domestic architecture and 1733 town plan, it and the surrounding coastal region have a lesser known but impressive transportation, commercial, and industrial heritage, as well. The Historic Railroad Shops of the Central of Georgia RR will be one of the host sites. Spared by General Sherman on his famous march to the sea during the Civil War, it is the oldest and most complete antebellum railroad repair shop and station complex in the United States. Registration materials will be sent to members in early spring. Info: Mark Finlay, Dept. of History, Armstrong State Univ., Savannah, GA 31419; (912) 921-5642; e-mail: mark_finlay@mailgate.armstrong.edu.

CALL FOR PAPERS: The SIA invites proposals for papers to be read at the annual conference paper sessions, Saturday, June 5. Presentations on all topics are welcome, while presentations with a southern focus on maritime archaeology and Antebellum/New South industrialization (including military history, agriculture, and industrial slavery) are encouraged. Landscape studies are of particular interest. Papers on the future directions for industrial

archeology (following up on the SIA symposium, "Whither IA?" held at Lowell in November 1998) are also welcome.

Presentation Formats. Proposals may include individual papers (20 minutes), organized panel discussions (90 min.), reports on works in progress (10 min.), or symposia of related papers.

Proposal Formats. An abstract of not more than 250 words is required for all formats. Please include the title of the presentation, the names of the participants, brief curriculum vitae, postal addresses, telephone/fax numbers, e-mail addresses, and audio-visual requirements. Symposia organizers should submit all of the paper abstracts as a group. All proposers must submit four (4) paper copies of their proposals.

Deadlines. Proposals of all formats are due by February 15, 1999. Send Proposals to: Jack R. Bergstresser, SIA Program Committee, Dept. of Anthropology, 338 Ullman Bldg., Univ. of Alabama at Birmingham, Birmingham, AL 35294; (205) 934-4690; fax, 934-9896; e-mail: drblast@email.msn.com.

NB, To members accustomed to receiving a separate call for papers mailing, the newsletter will be the only notice this year, in an effort to save costs. ■

Minutes of the 1998 Annual Business Meeting

June 6, 1998

President Fred Quivik called the meeting to order at 1:00 pm in the ballroom of the University Place Conference Center and Hotel, Indianapolis.

Secretary's Report: Richard Anderson announced that the minutes of the last business meeting were published in the Fall 1997 issue of the *SIA Newsletter*. He called for additions and corrections to the minutes. There being none, President Quivik accepted the minutes as published.

Treasurer's Report: Nanci Batchelor reported that the SIA began the calendar year 1997 with a total fund balance of \$86,117. Cash receipts for the year totaled \$70,576. Various membership dues categories accounted for \$55,950 of the total. The balance was made up of interest income, publication sales, contributions, and a few miscellaneous items. The total expenditures for the year were \$54,334. The production costs of our publications were \$42,275. The balance of \$12,059 was spent on a combination of postage, insurance, prizes, awards, and a few miscellaneous items. The SIA closed 1997 with excess revenues over expenses of

\$16,242 and a total fund balance of \$103,958, of which \$8,968 is in restricted funds. The Treasurer's report was accepted by motion and unanimous vote.

Conferences & Tours: President Quivik recognized Bill McNiece and his committee for an excellent 1998 Annual Conference and thanked them on behalf of the Society. This year's Fall Tour chairman, Bob Stewart, provided a preview of the upcoming tour of the Connecticut River Valley. The 1999 Annual Conference will be held in Savannah, GA. Mark Finlay is heading the planning committee, and he stood to give a few words on the scheduled sites. The 1999 Fall Tour is schedule for Birmingham, AL.

TICCIH: Dennis Zembala, SIA's representative to TICCIH, reported that the next TICCIH meeting would be held in Havana, Cuba, this fall and includes tours of numerous historic industries. This is an intermediate conference, and any interested member may find out further details by consulting the *TICCIH Newsletter*, which is posted on the website of the Baltimore Museum of Industry.

Whither IA? Symposium: President Quivik called the membership's attention to the upcoming symposium on the future of industrial archeology to be held in Lowell, MA, this fall.

China Study Tour: President Quivik then commented on the wonders of the SIA's study tour to China. There were 17 SIA members on the tour.

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SOCIETY FOR INDUSTRIAL ARCHEOLOGY NEWSLETTER

PUBLICATIONS OF INTEREST

A Supplement to Vol. 27, No. 3

Fall 1998

COMPILED BY

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

GENERAL STUDIES

- Lawrence E. Babits and Hans V. Tilburg. **Maritime Archaeology: A Reader of Substantive and Theoretical Contributions.** Plenum Pub. (New York), 1997. 640 pp., cloth \$95, paper \$60. Textbook on underwater archeology. Chapters cover fieldwork, technology, research design, conservation, interpretation, and exhibition.
- **British & Irish Archaeological Bibliography.** Council for British Archaeology (Bowes Morrell House, 111 Walmgate, York, YO1 2UA, UK). £45/yr., bi-yearly, index. Hundreds of references and abstracts. Classified by period, subject, and author.
- **Discover Archaeology.** New archeology and science magazine (bi-monthly) includes newsbriefs, feature articles, essays and comments, a forum section, and reviews. First issue due out in Jan./Feb. 1999 with special charter subscription rates. Avail: (877) 347-2724; www.discoverarchaeology.com.
- Joseph Flanagan. **What You Don't Know Can Hurt You.** *Federal Archeology* 8 (Summer 1995), pp. 10-13. Advocates adoption of safety standards by contract archeologists and provides a list of diseases that can be contracted in the field.
- Andrew Hurley. **Common Fields: An Environmental History of St. Louis.** Missouri Hist. Soc. Pr. (St. Louis), 1997. 322 pp., maps, illus. \$19.95 paper. Includes chapters that address the connection between steamboating and deforestation, development of streets and sewers, and transformation of city from commercial river port to an industrial city. Rev: PH (Spring 1998), p. 70.
- Marie Laborde. **Architecture Industrielle, Paris & Environs.** Parigramme (59, rue Beaubourg 75003 Paris), 1998. 191 pp., illus. Guidebook to historic industrial buildings.
- **Proceedings of the 1997 Association for Living Historical Farms and Agricultural Museums (ALHFAM) Annual Conference and Meeting.** Articles include Tom Kelleher, *Blackstone Canal: Artery to the Heart of the Commonwealth*; Mary Seelhorst, *Icons of Invention: Henry Ford and the Technological Hero Myth*; Kenneth W. Keller, *Cyrus McCormick: The Inventor as Creator of Controversy*; Leonard DeGraaf, *From Laboratory to Museum: The Curatorial Transformation of Thomas Edison's Invention Factory*; Ron Kley, *On the Road to the American System of Manufacture: The Travels, Travails, Machines and Machinations of John H. Hall*; Charles LeCount, *Cotton Gin and Press Technology (1770-1870)*; Thomas L.

Sanders, *A Comparison of the Manufacturing Processes and Functionality of the American Axe and its Antecedents.* Copies of this and previous proceedings are available: ALFHAM Clearinghouse, c/o Alvin Gerhardt, Jr., Tusculum College, Greeneville, TN 37743; (432) 636-7348. A complete list and index of proceedings can be found at www.alhfam.org.

- Roger K. Raufer. **Pollution Markets in a Green Country Town: Urban Environmental Management in Transition.** Praeger, 1998. 288 pp. \$59.95. How thinking about industrial pollution has changed in Philadelphia over the past 300 years.
- Christine Rider and Michael Thompson, eds. **The Industrial Revolution in Comparative Perspective.** Krieger Pub. Co. (P.O. Box 9542, Melbourne, FL 32902-9542; phone: (407) 727-7270, 1997.

MINES & MINING

- **America's Mining Heritage.** CRM: *Cultural Resource Management* (National Park Service), v. 21, 7, 1998. Special theme issue covers the diversity of surviving historic mine resources. Efforts to document and preserve resources on federal lands. Includes many SIA-member contributors.
- Douglas L. Crowell. **Death Underground: The Millfield Mining Tragedy.** *Timeline* 14 (Sept./Oct. 1997), pp. 42-54. Methane gas explosion in Nov. 1930 in southeastern Ohio coal mine that led to the worst mining disaster in state history.
- Pete J. Dunn. **Franklin and Sterling Hill, New Jersey: The World's Most Magnificent Mineral Deposits.** Franklin-Ogdensburg Mineralogical Soc. (P.O. Box 146, Franklin NJ 07416), 1995. 5 vols., illus., maps, bibliog. Extensive mineralogical and mining history of the northern New Jersey area, which was critically important as a zinc supplier to the world. **The Story of Franklin and Sterling Hill.** Dept. of Mineral Sciences, Smithsonian Institution (Wash., DC 20560), 1997. 127 pp., photos, maps, bibliog. Abbreviated version of 5-vol. monograph (above). Photos of mining structures and equipment.
- Timothy Egan. **When Ghost Town Dies, What of the Ghosts?** *NY Times* (May 4, 1998), pp. A1, A14. The story of Southern Cross, a little-changed gold mine town in western Montana. Developers recently bought the town, evicting longtime residents who had painstakingly rescued and preserved the material culture of the town. The developers may open a theme resort.
- Richard Francaviglia. **Hard Places: Reading the Landscape of America's Historic Mining Districts.** Univ. of Iowa Pr.

(Iowa City), 1997. 257 pp., illus., maps. \$14.95 paper. Visual clues that indicate an area has been mined, how to read them, and interpret the forces that have shaped the architecture, design, and topography of mining areas.

- William P. Fuller, Judith Marvin, and Julia Costello. **Madam Felix's Gold: The Story of the Madam Felix Mining District, Calaveras County, California.** Calaveras County Historical Society (Murphys, CA), 1996. 168 pp., photos, maps. \$22. A lesser-known mining district on the western belt of the Mother Lode's southern mines. Mined from the 1860s to the 1940s, mostly by rancher-miner entrepreneurs in small-scale operations, and during the late 1980s by the Meridian Gold Co. Rev: *PH 20* (1998), p. 65.
- **Preserving Copper Country's Mining Records.** *Annotation: Newsletter of the National Historical Publications and Records Commission* (Mar. 1998), pp. 9,12. Copper mining company records at Michigan Tech University Archives.
- **Priceless Hole in the Ground.** *Compressed Air Magazine* (June 1995), pp. 24-29. Efforts of Robert and Richard Hauck to turn the abandoned Sterling Hill Mine in Ogdensburg, N.J., into an interpretive site and museum.
- Peter Stanier. **Mines of Cornwall & Devon.** Twelveheads Pr. (Chy Mengleth, Twelveheads, Truro, Cornwall, UK TR4 8SN), 1998. 108 pp., 115 photos, maps, illus. £15. Photos from the historic collections of the British Geological Survey illustrate techniques, machinery, and processes of metal mining industry from 1900 to the 1940s.

IRON & STEEL

- Kevin Krajick. **Mining the Scrap Heap for Treasure.** *Smithsonian* 28 (May 1997), pp. 34-43. Profiles family-run scrap business, Denbo Iron & Metal Co. (Decatur, AL) with info. on history and current trends in industry.
- Richard MacKinnon. **Making a House a Home: Company Housing in Cape Breton Island.** *MHR* 47 (Spring 1998), pp. 46-56. Analysis of housing (ca. 1903-1913) associated with the Sydney Steel Mill.
- Göran Rydén. **Skill and Technical Change in the Swedish Iron Industry.** *T&C* 39,3 (July 1998), pp. 383-407. Analysis of industrialization in the first half of the 19th c., focuses on skill in making bar iron.
- Doug Stewart. **Saving American Steel.** *Smithsonian* 28 (Aug. 1997), pp. 84-93. Efforts to save big steel sites, inc. plan for National Museum of Industrial History at Bethlehem Steel site. Several SIA members, incl. Emory Kemp, Lance Metz, and Gray Fitzsimons, are interviewed. Photos by Joseph Elliott, also SIA.

TEXTILES

- Bruce Clouette. **Baltic Mills, Sprague, Connecticut.** 1998. 59 pp., illus. Historical and photographic documentation. Avail.: Connecticut Historical Commission, 59 S. Prospect St., Hartford, CT 06106.
- Robert Gray. **The Factory Question and Industrial England, 1830-1860.** Cambridge Univ. Pr., 1996. 253 pp., illus., \$59.95. Controversies over regulating the length of the work day for children and women in English textile mills. Rev: *T&C* (Jan. 1998), p. 157.
- Cynthia Wallace-Casey. **"Providential Openings": The Women Weavers of 19th-Century Queens County, New**

Brunswick. *MHR* (v. 46, Fall 1997), pp. 29-44. Women in rural Canada depended on handweaving to supplement household income.

- **Whole Cloth: Discovering Science and Technology Through American Textile History.** A website created by the Lemelson Center for the Study of Invention and Innovation at the National History Museum, Smithsonian Inst., may be accessed at www.si.edu/lemelson.

MISC. INDUSTRIES

- Frederick Allen. **How Do You Make Paper Clips?** *I&T* (Summer 1998), pp. 6-7. Labelon/Noesting Co., Mt. Vernon, NY. The Roebling Chapter toured the factory when it was in the Bronx. The original machines moved with the company to the suburbs and the article includes color photos of them.
- Brenda J. Buchanan, ed. **Gunpowder: The History of an International Technology.** Bath Univ. Pr., 1996. 403 pp., illus. Includes paper on American manufacture of black powder by Rob Howard [SIA]. Rev: *T&C* (July 1998), p. 547.
- Carol J. Dyson and Floyd Mansberger. **Structural Glass: Its History, Manufacture, Repair, and Replacement.** *CRM* 18 (No. 8 1995), pp. 15-19. History of structural opaque glass sold under such brand names as Vitrolite and Carrara. Repair and replacement. Citations of reports and articles on restoration, names of suppliers of historic and new structural glass, and evaluations of modern substitutes.
- Terry Evans. **Bombs into Blossoms.** *Preservation* (July/Aug. 1998), pp. 74-81. Joliet (IL) Army Arsenal, the world's largest TNT plant during World War II, now abandoned, is being allowed to return into its native state as a tall-grass prairie.
- Stephen Fenichell. **Plastic: The Making of a Synthetic Century.** Harper Collins (New York), 1996. 356 pp., illus. \$25. Readable chronicle of the evolution of polymers and plastics. Rev: *MHR* (Spring 1998), p. 104.
- S. Paul Jung, Jr. **John Taber and John Taber Jr., Two New England Clay Tobacco Pipemakers: A Family History and Illustrated Catalogue.** Privately published. (Avail. from author, P.O. Box 817, Bel Air MD 21014), 1996. 120 pp., illus., bibliog. \$37 ppd. Looks at the Tabers, father and son, the pipes they made and their relationships with family, business associates, and friends. Illustrations document pipe mold styles and production materials found at five dated manufacturing sites.
- Thorn L. Mayes. **Wireless Communication in the United States: The Early Development of American Radio Operating Companies.** New England Wireless & Steam Museum (697 Tillinghast Rd., East Greenwich RI 02818), 1989. 242 pp., b/w illus., bibliog. refs., name index. \$29.95. Detailed early history of the individual wireless companies, how they got started and their contributions to the development of the industry.
- Jeffrey L. Meikle. **American Plastic: A Cultural History.** Rutgers Univ. Pr. (New Brunswick, NJ), 1995. 403 pp., illus. \$49.95. How manufacturers invented and marketed new materials, and why we have taken them into homes and workplaces. Rev: *T&C* (Jan. 1998), p. 169.
- Scott S. Smith. **The Wire That Won the West.** *I&T* (Fall 1998), pp. 34-40. History of barbed wire manufacture and its use.
- Owen Ward. **French Millstones: Notes on the Millstone Industry at La Ferté-sous-Jouarre.** The International

Molinological Society (Nieuwe Vaart 21, NL5161 AN, Sprang-Capelle, The Netherlands), 1993. 75 pp., illus., maps, bibliog. A history of millstone manufacture describing quarrying, cutting and assembly techniques and mapping quarry sites.

- R. B. Weir. **The History of the Distillers Company, 1887-1939: Diversification and Growth in Whiskey and Chemicals.** Oxford Univ. Pr., 1995. 417 pp., \$80. Rev: *T&C* (July 1998), p. 573.

POWER GENERATION

- Ronald H. Clark. **Steam-Engine Builders of Lincolnshire.** Soc. of Lincolnshire History and Archaeology (Jews' Court, Steep Hill, Lincoln, LN2 1LS, UK), 1998. £8.95. Reprint edition of 1955 classic. Well-illustrated study of a major local industry that built everything from simple portable engines to traction engines and railway locomotives. Brief histories of 30 companies. Covers the period from 1826 to the 1950s.
- Kathleen Randall. **Boilers to Biotech.** *BR: Building Renovation* (Spr. 1995), pp. 20-25. Seattle City Light's Lake Union Steam Plant, a designated historic landmark and cast-in-place concrete structure built 1914-1921, was converted into headquarters for ZymoGenetics, Inc., a biotech company.
- **Windmillers' Gazette** features articles and information on historic windmills and windmill manufacturers. Recent articles include: T. Lindsay Baker. *The Woodmanse Oil-Bath' Windmill.* One of the most frequently seen windmills throughout the U.S. and Canada, manufactured from the 1920s to the 1950s (Spring 1998); Etienne Rogier. *The Polar Wind Machines: The Wind Generator on the Fram during Nansen's 1893-96 Arctic Expedition.* First wind electric generator used during polar exploration onboard a Norwegian ship (Spring 1998); T. Lindsay Baker. *Prefabricated Windmill Towers from the Baker Manufacturing Co.* Maker of "Monitor" windmills from the 1870s to the 1960s (Summer 1998); Quarterly \$15/yr. Avail: Box 507, Rio Vista, TX 76093.
- James C. Williams. **Energy and the Making of Modern California.** Akron Univ. Pr., 1997. 468 pp., photos, maps. \$24.95. Comprehensive history of energy production and consumption in California: human and animal power, oil, hydroelectric, nuclear. How energy needs shaped California and, according to the author, exemplify American propensity to exploit the environment. Rev: *PH* 20 (1998), p. 63.

LOGGING & LUMBERING

- Ken Drushka and Hannu Konttinen. **Tracks in the Forest: The Evolution of Logging Equipment,** 1997. 256 pp., photos. \$39.95. Logging around the world with a detailed account of equipment from the 1880s to today's broad range of specialized machines. Daniel Mihalyo. **Wood Burners,** 1997. v.118 pp. \$19.95. Photos and drawings of refuse or wood burners, the most common is the "wigwam" style that is seen at many sawmills. Avail: Woodland Books, Box 1268, Hillsboro, OR 97123; 1-800-979-9840.
- Steven R. Gatke. **The Cascade Lumber Company.** *Timber Times* (Issue 18, Jan. 1998), pp. 8-19. Operations began in 1901 on the east slope of the Cascade Mountains in Washington. Includes reprint of 1935 article from the *West Coast Lumberman.* *Timber Times* is published quarterly and features articles related to the history of the lumber industry and information for modelers. Avail: Box 219, Hillsboro, OR 97123, \$19/yr.

RAILROADS

- Ted Benson, Guy Dunscomb, and Al Rose. **Sierra Vintage Steam.** *VR* (Sept./Oct. 1998), pp. 32-44. Sierra RR (Jamestown, CA) from 1930s to 1950s. A featured site of the 1996 SIA Sacramento Conf.
- Sarah H. Gordon. **Passage to Union: How the Railroads Transformed American Life, 1829-1929.** Ivan R. Dee (Chicago), 1996. 403 pp., illus., \$30. Social, cultural, and economic consequences of railroads. Considers passengers' experiences from the development of travelers' luggage to private cars.
- John Gruber & O. Winston Link. **Link's Bright, Creative Night Views.** *VR* (Sept./Oct. 1998), pp. 48-59. Link explains how he came to take the classic photographs of Norfolk & Western RR steam locomotives.
- Kelly Heyboer. **Village Montclair Rail Station.** *Star Ledger* (Newark, NJ), July 22, 1998, p. 23. 1913 station on the former Erie-Lackawanna RR will be reused as a video outlet. It is adjacent to a rare train shed that was transformed into a mall about 25 yrs. ago.
- Robert A. Le Massena. **Three Cylinder Concept.** *VR* (Nov./Dec. 1998), pp. 32-43. Technological development of 3-cylinder locomotives from 1848 to 1938.
- Peter J. Lewty. **Across the Columbia Plain: Railroad Expansion in the Interior Northwest, 1885-1893.** Washington State Univ. Pr. (Pullman WA 99164-5910), 1995. 326 pp, illus., maps, bibliog., index. \$25. Railroad development between the Rockies and the Cascades, the struggle between the Union Pacific and the Northern Pacific for control of the Oregon Railway & Navigation Co., construction of the Great Northern, the Seattle, Lake Shore & Eastern, and a history of mining in the Northwest. Sequel to Lewty's *To the Columbia Gateway: The Oregon Railway and Northern Pacific, 1879-1884* (1987). Rev.: *Lexington Qtrly.* (Sept. 1996), p. 1.

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
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 members, to the Publications of Interest c/o the SIA Newsletter, Box 45, Toughkenamon, PA 19374.

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, book store, or school for assistance with locating books or articles.

Terry Reynolds Receives 1998 Norton Prize

Each year the SIA recognizes outstanding scholarship within the field of industrial archeology with its Norton Prize, inaugurated by the Norton Company, a century-old materials engineering firm based in Worcester, MA. The award honors the author of the best article to appear in the Society's journal, *IA*, within the past three years. At the Annual Business Meeting, this year's award was received by Terry Reynolds for his article in Vol. 21, 2 (1995), entitled *Good Engineering, Bad Management: The Battle Creek Hydroelectric System and the Demise of the Northern California Power Company*.

This paper presents a sophisticated analysis of extant historic resources; it is based on a model synthesis of artifactual analysis and exhaustive documentary research. As part of a HAER project, Reynolds examined several hydroelectric stations in northern California. He relied on inventories of existing equipment and employee interviews in his initial evaluation of the technical choices manifested in the development of the sites. The author situated this material evidence within its appropriate historical context by drawing on an extensive knowledge of power generation and distribution technology. Moreover, he used the site investigation as a framework for designing research hypotheses about the commercial and managerial aspects of regional electric utility operations during a transitional era. Reynolds' insightful presentation demonstrates the value of preserving and interpreting historic industrial sites as a means of discovering fresh insights into the activities of American engineers and business executives. ■



Terry Reynolds (R) receives this year's award from David Simmons (L) of the Norton Prize Committee. The award consists of a cash prize and a wooden foundry pattern with a plaque engraved with the recipient's name. The pattern is a new addition to the award this year. David Simmons and Carter Litchfield gathered the patterns from the Platt Iron Works in Dayton, OH.

1998 Ironmasters Conference

April 23-25, 1999

Call for Papers

The West Virginia University Institute for the History of Technology and Industrial Archaeology, in cooperation with the SIA Three Rivers Chapter, is pleased to announce that the 1999 Ironmasters Conference will be held on the campus of West Virginia University, Morgantown, April 23-25. This three-day conference will feature an early bird Friday tour of the operating and historic regional iron and steel industry sites, paper sessions on Saturday, and a Sunday tour of the standing remains of northern West Virginia's charcoal iron industry. The paper selection committee is actively seeking paper proposals related to historic ironmaking, iron mining, and other iron and steel-related topics. Professionals and non-professionals alike are urged to submit a paper proposal. Abstracts should be two-hundred words or less, and the speakers are allotted twenty minutes per presentation. Proposals are due by December 31, 1998. For more info or to submit a paper proposal, contact Lee Maddex, (304) 293-3829; fax: 293-2449; email: lmaddex@wvu.edu. ■

Minutes of the 1998 Annual Business Meeting

(continued from page 6)

Local Chapters: President Quivik then reviewed the status of the Society's chapters, stating that it has many extremely active ones. It is traditional at the business luncheon to ask for chapter members to stand when their respective chapter names are called out. Following these introductions, President Quivik encouraged the membership to form local chapters in their area. He recommended that they contact board member John Staicer for information.

Publications: President Quivik continued saying that besides fall tours and annual meetings, the SIA has two publications: the *SIA Newsletter*, edited by Patrick Harshbarger, and the *Journal, IA*, edited by Pat Martin. Both editors are always on the lookout for new material.

Student Scholarships: This year's scholarship recipients were Perry Green of Lehigh University and Larry Buhr of the University of Saskatchewan. The SIA awards annual scholarships to students to offset the cost of travel to the conference.

Amendments to the SIA Bylaws: President Quivik then introduced the proposed amendments to the Society's bylaws, copies of which had been sent to every member in good standing via the *SIA Newsletter*. Member Charles K. Hyde of Detroit moved that the amendments be accepted as published. He was seconded. President Quivik called for discussion, and member Mary Habstritt from New York City

Notes & Queries

National History Day Seeks SIA Volunteers. Amy Federman [SIA] has been doing some work with the National History Day office to get the word out on this year's theme "**Science, Technology, and Invention in History.**" National History Day offices are in every state, except two, and the state and regional teachers are looking for mentors and judges. SIAers are uniquely placed to assist this very worthwhile endeavor. Middle- and high-school students conduct research on topics related to the annual theme, analyze their findings, and present their results in a variety of formats, including exhibits, documentaries, performances, and papers. As with science fairs, students compete in district and state contests. The two top winners per category from each state then advance to the national finals, held each June. Over the fall and winter months, volunteers will act as mentors to students, answering questions about scientific and technical issues. Finally, in March and April, volunteers are needed to serve as judges for district and state contests. Info: Amy Federman (301) 871-9254; e-mail: a.schlagelfederman@mailcity.com, OR state coordinators and their addresses can be found at the National History Day website: www.thehistorynet.com/NationalHistoryDay.

Detroit IA Website. A website devoted to Detroit's historic buildings and districts, in general, also focuses on industrial sites, especially automobile factories, including Packard and Ford Highland Park. A special feature is footage of the implosion of the Detroit Edison Conner's Creek generating plant (1914), whose smokestacks were called the "Seven Sisters." The site is well designed, easy to use, and includes good maps. www.bhere.com/ruins/home.htm.

A researcher is seeking information related to the **Old Perkiomen Copper Mines** at Schwenksville, Montgomery County, PA. The mines were first worked by Native Americans, and colonists began mining shortly after William Penn acquired the land in the late-17th century. The area, also known as Stone Hill, was mined for copper off and on up to about World War I. Local records are

sparse. Information is sought on any material, documents, accounts, or old photos. Also of interest is technical or archeological knowledge of how Native Americans may have opened the first pits and exploited the copper-bearing rocks. Additionally, a request is made for any information or records related to the Breslau Society, which sponsored the immigration of experienced miners from the German Hartz in the early 18th century. The information is being gathered with the goal of preparing a National Register nomination. Info: Philip Smith, 205 Gerloff Rd., Schwenksville, PA 19473; (610) 287-7217, between 7-9 pm, ET.

Phil O'Keefe [SIA] has developed a website on the history of the **Chicago Tunnel Company**. The website contains illustrations and text on this unique 60-mile-long narrow gauge railway that ran under the streets of downtown Chicago. The website may be reached through its home page: <http://members.aol.com/POKeefe571/tunnel1.html>.

Information is sought for a project to inventory and document any surviving bridges built in North America by the **King Bridge Company** of Cleveland, Ohio. Allan King Sloan, the great-great-grandson of the company founder, Zenas King, is working to locate the bridges and obtain photographs and other available data on their current status and function. He has begun the project with some success in New England but is seeking to expand his search to other areas of the U.S. and Canada. He is also looking for bridge plaques that may have been salvaged from bridges already gone. SIA pontists are encouraged to reply. Info: Allan King Sloan, 3 Summit Road, Lexington, MA 02421-6003; (781) 862-0539; email: moogsloan@aol.com.

The Society is pleased to announce receipt of the 20th royalty check, for \$24.00, from sales of *Historical Archaeology: A Guide to Substantive Theoretical Contributions*, edited by Robert L. Schuyler (\$31.95 + \$4 postage, Baywood Publishing Co., Inc., Amityville, NY 11701).

expressed concern that the wording of Article XI "Amendments" in the proposed bylaws left the impression that the Board of Directors could take unilateral action to amend or repeal the bylaws and promptly act on their decision without any review by the membership. President Quivik called on incoming President Sandy Norman to respond to the question. Norman said that the language in the proposed bylaws was in no way intended to give the board power to amend the bylaws without membership consent. The language was included because the board has had to respond to changes in IRS rulings and other situations where the present bylaws created some restrictions. The language was intended to give the board power to act in these situations without having to wait for a vote at an annual meeting to pass minor amendments. President Quivik recognized member Grace McIver, of Scotia, NY, who reinforced her concern that language be included to clarify the issue. She moved that the following sentence be inserted following the third sentence in the published changes under Article XI: "No action on a change may be taken by the Board of Directors until it is approved by a vote of the membership." The motion was seconded. A vote on the motion passed

unanimously. President Quivik then called for a vote on acceptance of the bylaws as published, including member McIver's amendment. The motion was passed unanimously.

Awards: David Simmons presented the Norton Prize to this year's recipient, Terry Reynolds, for the best article to appear in the Society's journal. Emory Kemp presented the SIA General Tools Award for Distinguished Service to Industrial Archeology (continued on page 12)

CONTRIBUTORS TO THIS ISSUE

Richard Anderson, Sumter, SC; Jack Bergstresser, Birmingham, AL; Amy Federman, Silver Spring, MD; Mary Habstritt, New York, NY; Charles K. Hyde, Detroit, MI; Emory Kemp, Morgantown, WV; Gerry Kuncio, Pittsburgh, PA; Lee Maddex, Morgantown, WV; Pat Malone, Barrington, RI; Pat Martin, Houghton, MI; Bill McNiece, Indianapolis, IN; Carol Poh Miller, Cleveland, OH; Sandy Norman, Boca Raton, FL; John Reap, Syracuse, NY; David Simmons, Columbus, OH; Robert Vogel, Washington DC; Helena Wright, Washington, DC

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With thanks

CALENDAR

1999

January 5-10: Society for Historical Archaeology Conference on Historical and Underwater Archaeology, Salt Lake City. Conference theme is "Crossroads of the West: 19th Century Transportation, Mining and Commercial Development in the Intermountain West." Info: Don Southworth or Michael R. Polk, Sagebrush Consultants, 3670 Quincy Ave., Ste. 203, Ogden, UT 88403; (801) 394-0013; fax 394-0032; e-mail: sageb@aol.com.

February 6: 12th Annual Conference on New England Industrial Archeology, Slater Mill Historic Site, Pawtucket, RI. Papers requested. Info: Matt Kierstead, 22 Rosewood St., Apt. 3F, Pawtucket, RI 02860; (401) 728-8780.

March 12-13: Multiple Views, Multiple Meanings: A Critical Look at Integrity, Goucher College, Towson, MD. National Council for Preservation Education co-sponsored event looking at the theory and practice of historic integrity in the preservation movement. Info: Michael A. Tomlin, NCPE, 210 W. Sibley Hall, Cornell Univ., Ithaca, NY 14853; (607) 255-7261; fax 255-1971; e-mail: mat4@cornell.edu.

April 14-18: American Society for Environmental History Biennial Meeting, Tucson, AZ. Info: Edmund Russell, SEAS, Thornton Hall A-237, Univ. of VA, Charlottesville, VA 22903; e-mail: epr5d@virginia.edu.

April 23-25: Ironmasters Conference, Morgantown, WV. (see article elsewhere in this issue). Info: Lee Maddex, (304) 743-3829; e-mail: lmaddex@wvu.edu.

April 29-May 1: National Council on Public History, Annual Conference, Lowell, MA. Info: NCPH, 327 Cavanaugh Hall-IUPUI, 425 Univ. Blvd., Indianapolis, IN 46202-5140. Website: www.iupui.edu/it/neph/neph.html.

June 3-7: SIA Annual Conference, Savannah, GA. Info: Mark Finlay, Dept. of History, Armstrong State Univ., Savannah, GA 31419; (912) 921-5642; e-mail: mark_finlay@mailgate.armstrong.edu.

June 13-17: Assoc. of Living History, Farm and Agricultural Museums Annual Conference, Kansas City, MO. "Across the

Wide Missouri: Crossroads & Cultures." Themes include changes in transportation and other technologies; the role of Kansas City in the movement of goods between east and west. Paper proposals requested. Info: Watkins Mill State Historic Site, 26600 Park RD N, Lawson, MO 64062. Website: www.alhfam.org.

Sept. 29-Oct. 2: American Assoc. for State and Local History & Mid-Atlantic Assoc. of Museums Conference, Baltimore, MD. "Caring for Treasures at the Millennium." Info: AASLH, 530 Church St., Ste. 600, Nashville, TN 37219-2325; e-mail: www.aaslh.org.

October 3-7: Society for the History of Technology (SHOT) Annual Meeting, Detroit, MI. Info: SHOT, Dept. of History, Auburn Univ., Auburn, AL 36849. Website: <http://lhfm.umd.umich.edu/tc/SHOT>.

Nov. 4-7: SIA Fall Tour, Birmingham, AL. Info: Bode Morin, Sloss Furnace NHL, Box 11781, Birmingham, AL 35202-1781; (205) 324-1911; fax 324-6758.

Minutes of the 1998 Annual Business Meeting

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to Helena Wright. Though she was not able to be present to receive the award, Mr. Kemp called for a round of applause which was warmly given by the membership.

Elections: President Quivik announced that three members of the Board of Directors were ending their terms this year: Abba Lichtenstein, Vance Packard, and Past President Duncan Hay. They were thanked for their service. He invited Nominations Committee Chair Charles K. Hyde to announce the election results. The committee received over 400 ballots. Elected were Carol Poh Miller, Vice President; Gray Fitzsimons, Director; Bierce Riley, Director; and David Shayt, Nominations Committee.

President Quivik turned the meeting over to Sandy Norman, who succeeds him as President. President Norman thanked Fred for his leadership. The meeting was adjourned at 2:09 pm.

Respectfully submitted,
Richard K. Anderson, Jr.
Secretary

Department of Social Sciences
Michigan Technological University
Houghton MI 49931-1295

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