Valentine museum leads rescue of rare 19th-C pump

When the City of Richmond drained a section of the James River & Kanawha Canal to repair a lock, the metal-detector buffs arrived in droves. Luckily, members of the Virginia Canal & Navigation Society were keeping an eye on things. They contacted me at The Valentine in Richmond when they found an archimedes screw pump buried in the canal basin in July. Realizing that the city might be unwilling to drain the canal again, I decided to attempt the pump removal.

Three weeks later, the pump was out. Significant help came from Lyle Browning, president-elect of the Archaeological Society of Va. With cooperation and donations from local firms and with the aid of Fort Lee U.S. Army personnel and a Chinook chopper, the rare pump was removed and stored submerged until conservation can begin.

The screw pump dates from 1852-53 and was used as a trash pump during the construction of the canal's Great Ship Lock. In fact, during the dig, another pump was uncovered, but it was reburied in the canal basin. Large rocks found at the ends of the pump appear to have been carefully placed for support, evidence that the pumps were floated about 250 yards from the lock where they operated and sunk to the bottom. Over the years, sitting covered the pumps with about two to six feet of dense mud and sand, which preserved them in a near pristine state.

The cylindrical pump is 38' long, 3½' in diameter, and weighs about 8 tons. The cylinder is formed of wooden staves and iron bands, with an iron pulley at one end. Running through the center of the hollow cylinder is a central shaft with a cup bearing on one end and an iron journal on the other. Between the shaft and inner surface of the cylinder are two wooden augers that run the length of the shaft, 180 degrees counterposed. When operating, the pump would sit at an angle with its base in water, and be rotated by steam or animal power via the iron pulley. As the cylinder rotated, the water would be carried up the augers and flow out the top.

The pump may be the oldest and largest of its type extant in the U.S. An 1890s screw pump near San Francisco and a 1913 New Orleans pump have been designated Mechanical Engineering Landmarks by the American Society of Mechanical Engineers. Info: Greg Galer, The Valentine, Museum of the Life & History of Richmond, 1015 E. Clay St., Richmond, VA 23219 (804-649-0711).

CORRECTION: The cover of the Summer 1989 Newsletter was numbered incorrectly. The correct designation for the Summer 1989 issue is Vol. 18, No. 2.
Two-year effort records Nassawango Iron Furnace for HAER

The completion of a two-year Historic American Engineering Record documentation study of the Nassawango Iron Furnace by John R. Bowie [SIA] was announced by Furnace Town Foundation, Inc., a nonprofit organization dedicated to the restoration and interpretation of the furnace site. The furnace survives as a rare representative of the transition from cold to hot blast in American ironmaking. While only remnants of the bellows and water wheel exist, the hot blast stove remains intact on top of the furnace.

Nassawango Furnace is the heart of Furnace Town, the recreation of a 19th-C village on SR 12 in the Pocomoke Forest near Snow Hill, Md. This water-powered, cold-blast furnace, built in 1830 by the Maryland Iron Co., used local bog ore, oyster and clam shells, and charcoal to produce iron, which was shipped in pigs or cast products to Baltimore, Phila., and New York. The hot-blast equipment was added in the mid-1830s. It operated until 1847. By the turn of the century, the furnace was becoming overgrown and Furnace Town was in ruins.

Between the 1930s and '60s, interest in the furnace revived and stabilization efforts were begun. The property was deeded to the Worcester County Historical Society in 1962, and additional archeological work was done, continued after 1982 by Furnace Town Foundation, Inc. For further info., contact Kathy Fisher, Ex. Dir., Furnace Town, POB 207, Snow Hill MD 21863 (301-632-2032).
"The Oldest Otis." The title caught my eye. As the corporate archivist in charge of the Otis Elevator Co.'s historical records, I am regularly asked, "Where is the oldest Otis elevator?" Surviving 19th-C sales records reveal where Elisha Otis and his sons shipped their earliest elevators, but there are no files indicating if any particular installation has survived to the present.

The answer, I hoped, lay before me in Richard F. Snow's article, "The Oldest Otis" (American Heritage of Invention & Technology 2 [Summer 1986]: 6-7). Snow described an old freight elevator still operating in a three-story building on Indiana Ave. in Wash., D.C. Snow, who had interviewed Fred Litwin, current owner and proprietor of the building's used-furniture store, identified the elevator as a pre-May 1854 Otis machine, the "oldest Otis."

From Snow's article, I turned to Otis historical records, particularly old sales ledgers, for additional information about this Litwin elevator. But, records revealed that Otis shipped no elevators to Washington through 1854. Was the Litwin elevator a later model? Was it even an Otis?

Elisha Graves Otis (1811-61) built a hoisting machine or freight elevator in 1852 for the Yonkers, N.Y., factory where he worked. The machine had a unique safety mechanism that prevented the platform from falling if the hoisting rope broke. The safety was a spring held taut by the rope, which, if broken, released the spring, allowing its ends ("pawls") to catch in ratchets on the car guides in the hoistway.

In 1853, Otis established an elevator manufactory, building three freight elevators that were shipped to New York City customers. The first 1854 shipment, on May 5th, went to the Crystal Palace at the New York World's Fair, where Otis demonstrated his safety device by riding up and down and dramatically cutting the hoisting rope. Later that year he shipped freight elevators to textile mills and other customers in New York State.

The Otis archives raised questions about Snow's identification of the...
EXECUTIVE DIRECTOR VACANCY. Slater Mill Historic Site has announced a search for an executive director. SMHS is a private non-profit dedicated to the preservation and interpretation of the American industrial heritage, with emphasis on the textile and machine-tool industries. The preferred candidate will have a strong history background as well as proven fundraising and management skills. The executive director will administer all museum operations, including long-range planning and financial management, and will oversee a major development campaign. Send resume, letter, and references to Search Committee, Slater Mill Historic Site, POB 727, Pawtucket RI 02862 (401-725-8638).

MAJOR ELECTRIC RYW. RESEARCH ACQUISITION. Full runs, dating from 1884, of Street Rwy. Jnl., and its successors, Electric Rwy. Rev., Electric Rwy. Jnl., and Transit Jnl. have been donated by original publisher McGraw-Hill to the New England Electric Rwy. Hist. Soc., owners and operators of Seashore Trolley Museum, Kennebunkport, Me. Street Rwy. Jnl. was McGraw-Hill's first publication and the foundation of its trade-periodicals empire, and the $100,000 donation was the publisher's official archival copy. Also donated were whole and partial runs of eight other electric rwy., transit and electric rwy. investment periodicals from 1883 to 1942. Info.: Donald G. Curry, Dir., Seashore Trolley Museum, PO. Drawer A, Kennebunkport ME 04046 (207-967-2712).


UK IA PIONEER HONORED. R. Angus Buchanan, British IA pioneer and one of the founders of the Assn. for Industrial Archaeology, the SIA's sister society in England, was awarded the Leonardo da Vinci Medal by the Society for the History of Technology at its annual meeting in Sacramento. The medal is SHOT's highest recognition, presented to individuals making an outstanding contribution to the history of technology. Buchanan was cited for the breadth of his contributions, including his role as a pioneer in industrial archaeology. The presentation was made by Terry Reynolds [SIA], chair of SHOT's Awards Committee.

The citation reads in part: "Professor Buchanan was one of the pioneers of industrial archaeology. As a scholar in this field he has contributed, as author or joint author, more than a half-dozen books and booklets dealing with the industrial archaeology of England. His 1972 volume, Industrial Archaeology in Britain, was the most comprehensive treatment to date of the physical remains of the British industrial revolution. In this book, in many of his journal articles, in his addresses, and in his book reviews, Buchanan has sought to place industrial archaeology within the larger contexts of social, economic, and technological history, while simultaneously working to persuade historians of technology that they neglect the surviving physical evidence of historical industrial processes at their peril. Largely due to the efforts of Buchanan and his contemporaries in the field, industrial archaeology has provided historians of technology with important new sources of information while simultaneously having an enormous impact on museum work. As in the history of technology, proper, R. Angus Buchanan also played a role in the creation of institutions for furthering the study of industrial archaeology. He was active, for example, in founding Britain's Association for Industrial Archaeology and served as one of its early presidents (1974-77). He worked for over a decade as editor of the journal of the British Industrial Archaeological Society and has served on numerous committees and councils dealing with the preservation of historic sites in Britain, including the Royal Commission on Historical Monuments."

Reynolds later commented that Buchanan received the award despite the continuing inability of our British colleagues to spell "archaeology" correctly.

WOLMAN AWARD NOMINEESANTED. The Public Works Historical Society is soliciting nominations for the $1,000 1990 Abel Wolman Award, presented annually for the best book in public works history published in the preceding year. Individual authors or their publishers may submit a book for consideration. The award is presented to the primary author(s). Submissions must be made by Feb. 15, 1990, to PWHS, 1313 E. 60th St., Chicago IL 60637 (312-667-2200).

NY MINING HISTORY QUERY. For a projected history of mining in New York State, Mark W. DeLawyer [SIA] seeks communication from interested persons, as well as geologists or rock hounds willing to contribute to a collection of geological specimens documenting the state's mining industry. According to DeLawyer, NY boasts the world's largest talc and garnet mines, the deepest salt mine in the western hemisphere, and the world's largest (inactive) titanium and magnetite mines. Contact: DeLawyer at 550 S. Clinton St., Syracuse NY 13202.

GREAT Lakes NAVIGATION QUERY. LeRoy G. Barnett [SIA] seeks additional input for a union list of all printed materials ever issued by navigation companies operating on the Great Lakes. The list will include sailing schedules, tourist promotional literature, employee rule books, annual reports, and related materials. Although Barnett has visited virtually all likely repositories in the U.S. and Canada, he wants to be sure he has not missed any items. Anyone with leads to little-known public collections containing printed items generated by Great Lakes shipping firms should contact Barnett at the State Archives of Michigan, 3405 N. Logan St., Lansing MI 48918 (517-335-9165).

REFERENCE MATERIALS AWARDS. The National Endowment for the Humanities Reference Materials program supports projects that organize essential resources for scholarship and improve access to information and collections. Awards are made in two categories: "tools" and "access." Dictionaries, historical or linguistic atlases, encyclopedias, concordances, catalogues raisonnés, linguistic grammars, descriptive catalogues, and data bases are eligible in the "tools" category. Archival arrangement and description projects, bibliographies, bibliographical data bases, records surveys, cataloguing projects, indexes, and guides to documentation are eligible in the "access" category. Info.: Reference Materials, Rm 318, NEH, Wash. DC 20506.

CALL FOR PAPERS. The History Dept. at California Univ. of Pa. solicits session and paper proposals for a one-day conf. April 21, 1990, on "19th Cent. River Transportation." One session will be devoted to the 175th anniv. of Capt. Henry Shreve's successful round trip in the steamboat Enterprise from Brownsville, Pa., to New Orleans, 1814-15. Send proposal abstract & cv. by Jan. 15 to J.K. Folmar, Dept. of History & Urban Studies, CU, California PA 15419 (412-938-4053 or 7856).

1990 ADVISORY COUNCIL TRAINING SCHEDULE. The Advisory Council on Historic Preservation has announced its 1990 schedule for presentations of the 3-day course, "Introduction to Federal Projects & Historic Preservation Law," designed to teach federal, state, local, and tribal officials and contractors the basics of the projects review process, known as "Section 106 review," that is mandated by Sec. 106 of the Natl. Historic Preservation Act. The Council cosponsors the course with the General Services Admin. Training Center. Session registration is $210. Info.: GSA Training Center, PO. Box 15608, Arlington VA 22215, Attn: John Hansley; request brochure announcing "Intro. to Federal Projects & Historic Preservation Law."
A SUPPLEMENT TO VOL. 18 NO. 3
FALL 1989

Compiled by John M. Wickre

GENERAL SUBJECTS

Dean C. Allard, "Naval Technology during the American Civil War." In American Neptune 49, Summer 1989, p114-23.


Jean-Pierre Hirsch, "Revolutionary France, Cradle of Free Enterprise." In AHR 94, Dec. 1989, p1211-39. Laissez-faire policies dominated political talk, e.1790s, but merchants and manufacturers were unwilling to abandon state regulation. Incl. examples from Lille textile industry.

Histoire sociale-Social History (Université d'Ottawa, 156, rue Séraphin-Marson, Ottawa, Ontario K1N 6N5 (Canada). Published twice yearly. Subscription: $15 individuals / $25 organizations. Articles variously in French or English, as submitted, with a summary paragraph in the alternate language. Some good IA possibilities, e.g., a series of papers on historical databases (Vol. 21, Nov. 1988 (re'd Nov. 1989), p685-817), including mention of 1661 and 1871 census schedules of manufacturing and industries. See Burris & McKay, this PofI, for example.


Image File is the new title of the former Postcard Journal. Vol. 5, No. 4, 1989, includes an account of the June bus tour of AIhnye & Schenectady, N.Y., co-sponsored by Cornell U. & the Society for Commercial Archeology (SCA, our sister organization, or kissing cousin, hq'd next door to SIA in Room 5010, Smithsonian); and an Illus. review of Don Jackson's Great American Bridges & Dams. Published quarterly and avail. as a benefit of a $15 membership in the Curt Flood Postcard Collection (Lake County Museum, Lakewood Forest Preserve, Wauconda IL 60084), $35 now accepts manuscripts for publication. Newly avail. are 1- to 5-page location lists of the Collection's images ($6 for each US state or foreign country, with cities in alphabetical order within each list).

The Inventive Yankee. Yankee Books (Dublin, N.H.), 1939. 243p, Illus., index. $25. 800 years of New England inventors and inventions.

Andrew Jamison, "Technology's Theorists: Conceptions of Innovation in Relation to Science and Technology Policy." In Tec 30, July 1989, p605-33. 16th-20th C.


Published by the Society for Industrial Archeology Editor: Robert M. Frame III
Room 5020 National Museum of American History Smithsonian Institution Washington, D.C. 20560


Contributing to This Issue


With thanks.
HISTORIC BRIDGE SLIDES BACK IN STOCK. The set of 12 slides of historic bridges photographed by Jet Lowe [SIA] of the Historic American Engineering Record [HAER] is again available, following a sell-out of the original stock. Reproduced in color directly from large-format HAER transparencies, these slides have been selected to represent important bridge types. Some of the examples are well known, while others are obscure, but each is interesting, instructive, and, not incidentally, handsome. They range from Calvert Vaux’s graceful 1861 Gothic cast-iron arch in Central Park, N.Y.C., to a magnificent 1932 three-hinged arch carrying a road high above the Feather River in Butte County, Calif.

In their own right, the images will be of interest to anyone concerned with IA or with the relationship between the built environment and the landscape. They can be used as excellent teaching tools in these areas, as well as in engineering, the history of technology, and geography. The slides are captioned and accompanied by a leaflet providing basic info. on each structure. Additional slide sets are planned. Order today for $20 p.p. (checks payable to “SIA Slides”; $25 outside US; USS only, please), from Anthracite Heritage Museum, RD 1, Bald Mt. Rd., Scranton PA 18504 (717-963-4804).

While ordering bridge slide sets from Scranton, consider the series of striking full-color cards illustrating the famous “Phoebe Snow” jingles that originally advertised the Lackawanna RR. Phoebe symbolized the cleanliness of passenger service on one of the few lines whose locomotives burned hard coal—the “Road of Anthracite.” The series is available as postcards, note cards, holiday cards, and posters. Write or call the Anthracite Museum.

EXHIBIT ON SURVEYING. Historic surveying instruments are on display at the Michigan Museum of Surveying, 220 S. Museum Dr., Lansing, the nation’s first and only museum devoted to the profession of surveying. Founded by the Mich. Society of Registered Land Surveyors Foundation, it is open Tues.-Fri., 10 a.m. to 3 p.m., and located next to the R.E. Olds Museum of Lansing automotive history, and the Impression 5 children’s science & technology museum, both in rehabed cl900 factories. Info.: Ruth Armitage, MMS, 517-484-6605.

A.H.F.

“A CENTURY OF INDUSTRIAL IMAGES, 1889-1989,” an exhibit featuring the work of four Pa. industrial photographers, opens Feb. 4, 1990, at the Canal Museum, Easton, Pa. Included are George Bretz, William H. Rau, George Harvan, and Joseph Elliott, interpreting the evolution of Pa.’s coal mining, RR, and ferrous metals industries. Bretz (1842-1910) was the earliest Pa. photographer to successfully photograph in a working underground mine. Rau (1855-1920) displayed a remarkable talent for the artistic integration of RR and industrial structures into the natural landscape. The contemporary work of Harvan deals with the emotional interrelationship between anthracite coal miners and steel laborers with their working environment. Elliott’s work from the 1970s and ’80s exhibits a fascination for the interplay of mass and shadow, which emphasizes the monumentality of industrial facilities [see “IA in Art,” SIAN Fall 87-9]. The exhibit, which closes Sept. 30, is accompanied by a free lecture series, including an April 12 talk on “The Art of Industrial Photography” by Joseph Elliott. Info.: Canal Museum, 200 S. Delaware Dr., POB 877, Easton PA 18044-0877 (215-250-6700).

KEEPING IT UP IN N.Y.C. The on again, off-again repairs to the arson-damaged High Bridge Water Tower (pictured on the SIA membership brochure), are moving along with a $864,000 appropriation from the city Parks Dept. When the work is completed, the interior stairs will be replaced but no longer open to the public; the carillon, destroyed in the 1984 torching, is gone forever. G.W.

PARKING FACILITIES QUERY. James I. Meyer, an engineer who designs parking facilities, is interested in exchanging information on the history of structures built for automobile parking. Contact Meyer at Walker Parking Consultants/Engineers, Inc., 410 Thresher Sq., 700 3rd St. S., Minneapolis MN 55415 (612-332-7275; FAX 612-332-1657).

WINTERTHUR FELLOWSHIPS. Winterthur Museum & Gardens will award a number of fellowships to encourage research in American history, art & design history, and material culture, in 1990-91. Scholars pursuing advanced research can apply for Natl. Endowment for the Humanities (NEH) fellowships with stipends up to $27,500 for six to twelve months’ work. Short-term fellowships with monthly stipends ranging from $1,200 are available to academic, museum, and independent scholars, and to support dissertation research. Application deadline is Feb. 28, 1990. Info.: Katharine Martinez, Visiting Research Fellowship Program, WM&G, Winterthur DE 19735 (302-888-4649).

1990 HARTFORD BOILER CALENDAR. The Hartford Steam Boiler Inspection & Insurance Co. has published a “1990 Vacation Calendar” featuring a color rendering of the April 1865 explosion of the Mississippi River Steamboat Sultana, the worst boiler disaster in history. Also avail. are boiler wall charts “suitable for posting in your boiler room”: “Power Boilers,” “Heating Boilers” & “Heating Boiler in French.” The Hartford publishes The Locomotive, a small periodical containing occasional historical notes on steam boilers. Info.: Marketing Services, THSBI&IC, One State St., Hartford CT 06102.

IEEE FELLOWSHIP IN ELECTRICAL HISTORY. The Institute of Electrical & Electronics Engineers (IEEE) invites applications for its 1990-91 Fellowship in Electrical History, supporting a one-year of full-time graduate work in the history of electrical engineering and technology at a college or university of recognized standing or up to one full year of post-doctoral work in the same field for a recent graduate. The stipend is $14,000. The fellowship is made possible by a grant from the IEEE Life Member fund and is administered by the IEEE History Committee. Application deadline Feb. 1, 1990. Info.: Director, Center for the History of Electrical Engineering, IEEE, 345 East 47th St., NY NY 10017.
The Bureau for Historic Preservation, Pa. Historical & Museum Commission, is undertaking a broad range of efforts to identify and preserve historic industrial resources across the state. The BHP's activities include publication of an overview history of Pa. industry, a survey and nomination of various Pa. iron and steel sites to the National Register (NR), nomination of one county's industrial resources to the NR in cooperation with HAER, and creation of a newsletter that reports on statewide industrial survey efforts.

A draft overview of Pa.'s industrial history has been completed by the BHP, identifying the state's most historically important industries, and briefly outlining their evolution over three centuries. The five most significant industries have been iron and steel, coal, textiles, foundries, and transportation. These were the state's largest industrial employers and producers, and among the top manufacturers within their industries nationally. Together with a wide array of other important industries, such as oil drilling and refining, lumber, grist milling, and electrical goods, these industries have made Pa. one of the two foremost industrial states in the nation, particularly from the mid-19th to the mid-20th century. Publication of the state industrial overview is scheduled for late 1989.

Last Jan., the BHP also initiated a statewide survey of iron and steel industry sites to identify significant properties not previously surveyed or nominated to the NR. Some 20 state sites will be surveyed, including several large steel plants, resulting in a NR Multiple Property nomination and several individual nominations. The BHP will prepare an iron and steel industry history for publication. All projects are scheduled for completion by mid-1991.

In addition to the other efforts, the BHP is cooperating with HAER, America's Industrial Heritage Project, and the NR office to list industrial resources in Huntingdon County in central Pa. The county has a wealth of IA sites, including iron furnaces, coal mining towns, brick works, and railroad structures. A HAER survey identified some 25 sites that are being nominated to the NR. Using NR software, HAER and BHP have entered site info. in a computer database, forming the basis for individual nomination forms and for an overall Multiple Property form. The project will be completed in late 1990.

Finally, in July the BHP launched *Pennindustry*, a biannual newsletter reporting on the many Pa. industrial survey and preservation programs. In addition to the above projects, for example, there is the Steel Industry Heritage Task Force to establish a steel museum in the Pittsburgh area. To get on the *Pennindustry* mailing list (next issue in Jan., 1990), contact Bill Sisson, BHP, PH&MC, Box 1026, Harrisburg PA 17108-1026 (717-783-9922).

*Above:* Two surviving refractory brick kilns at the still-operating N. American Refractories, Huntington County, Pa. *Nancy Shedd photo, HAER.*

*Left:* Eliza Furnace (c1846 hot blast), Vintondale, Pa.

*Below:* Carrick Furnace (c1826 cold blast), with 1879 blowing engine, Franklin County, Pa. *Diane Kalimann photos, PH&MC.*
SIA AFFAIRS

18TH ANNUAL BUSINESS MEETING

June 3, 1989

The Society met in the Hotel Le Concorde, Quebec City, in conjunction with its Annual Conference. The meeting was called to order at 1:50 p.m. by President Emory Kemp.

President's Report

The 1989 Annual Conf. This year's conference attracted 255 registrants, the largest ever. This was the 18th Annual Conf. and the first held outside the U.S. Barrie Trinder from Ironbridge Gorge Museum Trust and the Inst. for I.A. (U.K.) travelled farthest to attend.

President Kemp thanked the conf. organizing committee—Adelard Buillemette, Claire Mousseau, Jean LeVoie, Andre Berube, and Jacques LeCours—for their superb efforts. Each was presented with an SIA hard hat in appreciation.

News of Members. President Kemp reported the recent death of founding member Mary Jane Rutsch and announced that SIA had sent condolences and a memorial gift. He also reported Past-President Torgersen's recent stroke and strong recovery.

News of Chapters. President Kemp reported briefly on the "Elizabethan progression" he has conducted in order to attend chapter activities throughout the U.S. He lauded the general vitality of SIA chapters.

Report on Elections

President Kemp reported that Nominations Committee chair Charles Hyde had suddenly been hospitalized and was unable to attend the Annual Conf. The ballots had been mailed to Conf. HQ, but had been impounded by Canadian Customs, who had misread the customs label as "bullets". The membership was forced to wait in suspense to learn the outcome of the vote.

[TThe results of the SIA annual election subsequently have been reported as follows: secretary, Nicholas Westbrook; directors, Thomas R. Flagg, Carol Poh Miller, David A. Simmons; nominations committee member, Robert Casey.]

Treasurer's Report

Treasurer Nanci Batchelor reported annual income of approximately $45,000 and expenses of approximately $35,000. In 1988, the Society enjoyed a fund balance increase of $9,285.

Long-Range Planning

President Kemp reported briefly on the Board's focussed attention to long-range planning during the previous year. The four cornerstones of the Society will remain its two publications, IA and the Newsletter; and its two meetings, the annual conference and the fall tour. The Board hopes to expand the Society's educational services.

President Kemp noted that finances now permit two issues of IA annually. He reported that a strong committee structure was in place to facilitate the work of the organization. Committees are chaired as follows: Publications, Laurence Gross; Conferences, Robert M. Vogel; Membership, David A. Simmons.

Up Coming Conferences & Tours

Members were reminded of the 1989 Fall Tour to Butte, Mont. Director Chris Andreae reported on progress in planning a 1990 Fall Tour to the Yukon. Planning has involved the Canadian and U.S. park services. Ron Malis and Alec Barbour have been central to the planning. The ten-day tour will be Sat., Aug. 18, through Sun., Aug. 26, at a cost of $1,679 (CAN$2,099) from Vancouver.

Cooperative Agreement with HAER

President Kemp reported that, with leadership from Eric DeLony [SIA], Chief of the Historic American Engineering Record, SIA had concluded a Cooperative Agreement with HAER to undertake a variety of mutually beneficial projects. The first project will be an SIA/HAER fellowship to support scholarly use of the HAER collections.

The Norton Prize

President Kemp reviewed the previous winners of the Norton Prize, the Society's highest award for scholarship, which recognizes the outstanding scholarly article published in IA during the previous three years. The 1989 winner is Patrick Malone, director of the Slater Mill Historic site and senior lecturer at Brown University. Malone's award was for "Little Kinks and Devices at the Springfield Armory, 1892-1918," in IA 14 (1988).

New Business

Elizabeth Beaton, Sydney, Nova Scotia, is coordinator of a project to document steel production on Cape Breton. She asked for and received endorsement of the objectives of her project, viz. to record the existing plant and develop a plan for its future.


With no further business, the meeting was adjourned at 2:30 p.m.

NICHOLAS WESTBROOK
Secretary

1990 Fall Tour Registration Opens

An information & registration brochure has been mailed with the final itinerary and fees for "The Trail of '98," the SIA 1990 Fall Study Tour of the Yukon and Alaska. The tour begins Sat., Aug. 18, with a flight from Vancouver, B.C., to Whitehorse, for the opening reception. It concludes with a return to Vancouver on Sun., Aug. 26. In between are tours of the White Pass & Yukon Rwy., Skagway, Whitehorse, and Dawson, including a vintage DC-3 "flightseeing" tour over the gold fields. The study tour is sponsored by the SIA, in cooperation with the Canadian Parks Service and the U.S. National Park Service. The fare covers travel, admissions, accommodation (double occupancy), and most meals: from Vancouver, $1,679 (CAN $2,099); from Whitehorse, $1,348 (CAN $1,685). A deposit of $200 (CAN $250) is necessary for registration, with the balance due June 18. Payment can be by check, money order, Visa, or MasterCard.

For a copy of the registration brochure, containing the full itinerary and all tour and fare details, write SIA HQ, 5020 NMAH, Smithsonian Inst., Wash. DC 20560, or phone Chris Andreae [SIA] at 519-657-1851.

TICCIH UPDATE

The 7th Intl. Conf. on the Conservation of the Industrial Heritage will be held Sept. 2-9, 1990, in Brussels, Belgium, sponsored by the Belgian section of The Intl. Committee for the Conservation of the Industrial Heritage (TICCIH). The conf. theme is "Technology, Organization of Labor, and the Shaping of the Industrial Landscape". Official languages of the conf. are English, Dutch, and French, and plenary sessions will have simultaneous translation. There will be a number of tours and field trips, including a trip on the canals of Charleroi and all tour and fare details, write SIA HQ, 5020 NMAH, Smithsonian Inst., Wash. DC 20560, or phone Chris Andreae [SIA] at 519-657-1851.
The IA of bridge rehab

CORNISH-WINDSOR BRIDGE REHABILITATION.
Above: The bridge during repairs.
Top right: The mid-span and Vt.-end structures and cables.
Near right: N.H.-end structure for cables.
Far right: One of four cable-anchors.

The rehabilitation of Cornish-Windsor bridge [NR, HAER, NHCEL] over the Connecticut River between Cornish, N.H., and Windsor, Vt., has been of special interest because of the temporary cable-stay suspension structure supporting the bridge while the contractor replaced deteriorated structural members and corrected the warpage resulting from sunlight on the south face of the bridge.

The bridge was built in 1866 by James F. Tasker of Cornish, in association with Bela J. Fletcher of Claremont, N.H. The design follows the Town plan, except that heavy squared timbers, rather than planks, were used in the lattice web. The structure is 480' long, and includes two spans (203'7" & 204'6"; 408' between abutment faces) plus overhang at each end.

The bridge is owned by the State of N.H. and the work is under direction of its Dept. of Trans. In planning the work, consideration was given to its historic value and the preservation of as much of the original fabric as possible. The repair increased the bridge's live load capacity to meet modern highway standards and extended the bridge's life well into the next century.

W.J.E.