



The Association for Preservation Technology International  
Association pour la préservation et ses techniques

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### **The *APT Bulletin*: 51:2-3**

The latest issue of the *APT Bulletin: The Journal of Preservation Technology* features articles that differ in location, size and scale, building material, and more. The papers in this issue focus on a variety of locations: the Netherlands; Cusco, Peru; and Toronto, Canada, as well as Georgia, South Carolina, and Washington, D.C. Besides location, there is also a wide assortment in the content and scale of the topics covered: from seismic-mitigation documentation to cast-iron gates and the history of sash locks. Some articles focus on the use of such traditional local materials as adobe, while other articles discuss the use of computer technology. This issue also includes Spanish-language abstracts of the articles, making the *Bulletin* more accessible to non-native-English speakers.

“Restoring a Cast-Iron Secret at the National Museum of Natural History in Washington, D.C.” by Carly Bond looks at the restoration of the large-scale cast-iron night gates at the museum, which had long been frozen in their retracted position. Bond discusses the removal process and the work needed to restore them to their original design and function. The article emphasizes the many discoveries made as the restoration work was underway.

Michael F. Lynch, after decades of research, discovered who was responsible for inventing a wildly popular sash fastener in his article entitled “Who Invented the Fitch Sash

Fastener?” Lynch discusses how most patents were attributed not to the inventor but to the company where the inventor worked. He highlights several other window sash fasteners and their inventors, including many that attempted to copy the Fitch fastener.

“Seismic Retrofitting Using Local Materials and Expertise at a Church in Kuñotambo, Peru” by Claudia Cancino, Elena Macchioni, Benjamin Marcus, Juan Carlos Mellado, and Juan Carlos Menéndez details the work needed to stabilize and reinforce that building using such local materials as adobe and eucalyptus rafters. The project was a part of the Seismic Retrofitting Project of Getty Conservation Institute and promoted community engagement in Kuñotambo.

The 2019 APT College of Fellows keynote speaker, Tracy Metz, based her article on her presentation at the 2019 APT conference in Miami. Entitled “Sweet&Salt: Water and the Dutch,” her paper looks at the Netherlands and its longstanding relationship with water. Metz discusses how the Dutch successfully worked in conjunction with water in the past; however, this relationship has changed as the Dutch have exerted more control over the water—expelling it where they did not want it and pumping it into places where they did want it. As the effects of climate change worsen, the Netherlands is finding it harder to control the water and must face an uncertain future as the ocean steals back more land to the sea.

This issue of the *Bulletin* includes a *Practice Point*, the twentieth in the series: “Introduction to Mid-Range Terrestrial Laser Scanning” by Warren Wilford. The *Practice Point* discusses the use of terrestrial laser scanners in documenting sites and buildings. Wilford describes how to secure accurate terrestrial laser scanning data to create deliverables for clients, such as point clouds.

An article on a similar topic is “Querying the Products of Two Recording Techniques: Analog and Digital” by Brent R. Fortenberry and Amalia Leifeste. The authors look at

documentation techniques and their efficiency and accuracy. In this experiment, two students each documented two buildings using both hand measuring and laser scanning. Laser scanning saved more time overall but required more expertise for the student to interpret the data accurately. The article includes measured drawings that illustrate the results of the students' recording techniques.

Hassan Saffarini's "Rehabilitation of Exterior Stone Masonry at the Union Station Head House in Toronto" analyzes the retrofit work on the masonry envelope of Union Station. There were several cracks in the masonry, and a monitoring program was undertaken. Some walls were stabilized by embedding rods into the stone and bonding them with epoxy, while others had to be completely replaced.

"Moisture Analysis and Preservation Practice at Cockspur Island Lighthouse in Georgia," by Paul Hardin Kapp and Stephen E. Hartley, discusses the effects of rising sea levels on historic coastal buildings, as well as the future of preserving coastal monuments. Increased moisture was affecting the brick masonry of the lighthouse. A new mortar mix was utilized, and a monitoring program has been implemented.

Book review co-editors Lesley Gilmore and Natascha Wiener secured several reviews for this issue. Kenneth Breisch's *American Libraries: 1730–1950* is reviewed by John G. Waite. *Environmental Management for Collections: Alternative Preservation Strategies for Hot and Humid Climates* by Shin Maekawa, Vincent L. Beltran, and Michael C. Henry is reviewed by Mark E. Nussbaum. *Historic Cities: Issues in Urban Conservation*, edited by Jeff Cody and Francesco Siravo, is reviewed by Pamela Jerome. Erica Avrami's *Preservation and the New Data Landscape* is reviewed by Michael A. Tomlan. This issue's Building Technology Heritage

Library feature by Mike Jackson highlights trade catalogs produced by manufacturers of building hardware and cast-iron architectural components.

The Association for Preservation Technology is the only international organization dedicated solely to advancing appropriate traditional and new technologies to care for, protect, and promote the longevity of the build environment and to cultivate the exchange of knowledge throughout the international community. Founded in 1968 in Québec as a joint venture between Canadian and U.S. preservationists, APT provides members with benefits that include publications, networking opportunities, conferences, training courses, and student scholarships.

As a benefit of membership, APT members can, at no cost, search, browse, download, and print full-text PDF versions of past *Bulletin* articles on JSTOR, an international online digital archive. Visit <http://www.apti.org> for more information. Non-APT members also have the option of joining JSTOR's "Register and Read" program, which allows a user to read one hundred articles online without charge each month.

The *APT Bulletin*, a peer-reviewed, scholarly journal, is a valued source for state-of-the-art information on preservation technology. Published three times a year by APT, the *Bulletin* examines all aspects of preservation technology in feature articles and book reviews, keeping readers at the leading edge of the field.

Mount Ida Press, which edits and produces the *APT Bulletin*, specializes in high-quality publications on history, architecture, and building technology. For further information about the *APT Bulletin*, please contact the editorial office in Albany, New York, at 518.426.5935 or at [info@mountidapress.com](mailto:info@mountidapress.com).

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