



The Association for Preservation Technology International  
Association pour la préservation et ses techniques  
Asociación Internacional para la Técnicas de Conservación del Patrimonio

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***APT Bulletin* 53: 4**  
**Preservation Technology in Canada, Italy, and the U.S.**

The latest issue of the *APT Bulletin: The Journal of Preservation Technology* includes an eclectic collection of articles ranging from underwater exploration and recovery to the restoration of one of America's oldest surviving iron structures. Projects across three countries — Italy, the U.S., and Canada — are featured.

Wayne Lusardi's account of discovery, "Lake Huron Red Tails," explains how a missing World War II fighter aircraft piloted by a Tuskegee Airman during a training mission 70 years ago was finally found in Lake Huron in 2014. Lusardi, Michigan's state maritime archaeologist, gave an insightful keynote talk at APT's 2022 annual conference in Detroit, which he adapted for the *Bulletin*. The article features stunning underwater shots of the aircraft.

"Use of Advanced Documentation and Analysis Technologies at the Shaughnessy House Conservatory in Montréal," by Morgan Matheson and Michael Duric, highlights their challenging preservation and restoration project. Their article explains the role of point-cloud scans, BIM software, and THERM (Two-Dimensional Building Heat-Transfer Modeling).

Robert Kornfeld and Charles Van Winckle detail the painstaking multiyear effort to restore a beloved local landmark in "Restoration of the Harlem Fire Watchtower." This iron structure, built in 1856, was nearing collapse before the project began. But the "pinnacle of Harlem's rich culture" now stands proud.

Edmund Meade writes about his Affiliate Fellowship at the American Academy in Rome, which was awarded by the Association for Preservation Technology International. He spoke with engineers, architects, and conservators as he explored structural interventions related to earthquake loads for historic buildings in "Seismic Evaluation and Retrofit of Unreinforced-Masonry Buildings in Italy."

And, finally, a Practice Point by Jeffrey S. Levine, Remo R. Capolino, and Julie M. Palmer updates the historic-preservation profession on "Metals for Historic Roofing."

Book reviews, edited by Lesley Gilmore and Natascha Wiener, include *Managing Energy Use in Modern Buildings: Case Studies in Conservation Practice* by Bernard Flaman and Chandler McCoy with Gail Ostergren, reviewed by Angela Wolf Scott; *Plywood: A Material Story* by Christopher Wilk, reviewed by Suzana Radivojevic; *Storm Windows: A Comprehensive Guide: Wood, Wood Combination, Aluminum, and Interior Storm Windows* by Steve Jordan, reviewed by John G. Waite; and *Structural Restoration of Masonry Monuments: Arches, Domes and Walls*, by George G. Penelis and Gregory G. Penelis, reviewed by David H. Macdonald.

Finally, in his Building Technology Heritage Library column, Mike Jackson presents catalogs on metal roofing and a publication from 1907, issued just after the San Francisco earthquake, that showcased brick buildings and how they held up after fires and earthquakes.

The Association for Preservation Technology is the international organization dedicated solely to advancing appropriate traditional and new technologies to care for, protect, and promote the longevity of the built 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 its international 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 online digital archive available around the world. Visit <http://www.apti.org> for more information. Non-APT members have the option of joining JSTOR's Register and Read program, which allows the 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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