

Volume LI Number 2-3

Published by Association for Preservation Technology International

Association internationale pour la préservation et ses techniques

Asociación Internacional para la Technología de la Preservación

Bulletin Editor and Advertising Elizabeth Marsh, Project Manager

Mount Ida Press 111 Washington Avenue Albany, NY 12210

Tel.: 518-426-5935 Fax: 518-426-4116

PO Box 7317 Tel.: 217-529-9039

Fax: 217-529-9120 www.apti.org

APT 2021 Annual Conference Washington, D.C., Oct. 27-Nov. 2

Articles from the Bulletin are copyrighted and may be reproduced only with permission of the editor. Please submit requests in writing to Diana S. Waite, Mount Ida Press, 111 Washington Ave., Albany, NY 12210, or

Past issues of the Bulletin are available on JSTOR. The Bulletin is indexed on APT's website (www.apti.org) and in the Getty Conservation Institute's Art and Architecture Technical Abstracts and the Avery Index to Architectural Periodicals.

Responsibility for the methods and/or materials described herein rests solely with the contributors and should not be considered official statements or endorsements of APT.

© 2020 by Association for Preservation

Postmaster: Send address changes to APT, PO Box 7317, Springfield, IL 62791

Cover: Production of adobes at Kuñotambo, southeast of Cusco, Peru, using locally available materials. Photograph by Juan Carlos Mellado, © 2017 J. Paul Getty Trust and Dirección Desconcentrada de Cultura Cusco, Ministerio de Cultura del Perú.

Printing: Fort Orange Press. Printed in U.S.A.

All Bulletin articles undergo peer review.

Restoring a Cast-Iron Secret at the National Museum of Natural History in Washington, D.C. Carly Bond



5



Practice Points 20: Introduction to Mid-Range Terrestrial Laser Scanning Warren Wilford Follows page 38.

Who Invented the Fitch Sash Fastener? Michael F. Lynch 13





Querying the Products of Two Recording Techniques: **Analog and Digital** Brent R. Fortenberry Amalia Leifeste

Seismic Retrofitting Using Local Materials and Expertise at a Church in Kuñotambo. Peru Claudia Cancino, Elena Macchioni, Benjamin Marcus, Juan Carlos Mellado, Juan Carlos Menéndez

> Sweet&Salt: Water and the Dutch Tracy Metz

> > 31



Rehabilitation of Exterior Stone Masonry at the **Union Station Head House in Toronto** Hassan Saffarini



Moisture Analysis and **Preservation Practice** at Cockspur Island Lighthouse in Georgia Paul Hardin Kapp Stephen E. Hartley

Abstracts of Articles in Spanish 76

Editor's Note Diana S. Waite 3

Building Technology Heritage Library Mike Jackson 71

Book Reviews Lesley Gilmore Natascha Wiener **Book Review**

Co-Editors 72

Directory of **Advertisers** 74

APT Membership Information 79