



# BULLETIN

THE JOURNAL OF  
PRESERVATION TECHNOLOGY

Volume XLVI  
Number 4

Published by  
Association for Preservation Technology  
International  
Association pour la préservation et ses  
techniques  
Asociación Internacional para la Tecnología  
de la Preservación

*Bulletin* Editor and Advertising  
Diana S. Waite, Editor  
Melissa Mišćević Bramble, Project Manager  
Laura Colaneri, Editorial Assistant  
Mount Ida Press  
111 Washington Avenue  
Albany, NY 12210  
Tel.: 518-426-5935  
Fax: 518-426-4116  
E-mail: info@mountidapress.com

APT  
3085 Stevenson Drive, Suite 200  
Springfield, IL 62703  
Tel.: 217-529-9039  
Fax (toll-free): 888-723-4242  
www.apti.org

APT 2016 Annual Conference  
San Antonio, Texas, October 30-November 2

APT 2017 Annual Conference  
Ottawa, ON, Canada, October 11-14

Articles from the *Bulletin* are copyrighted  
and may be reprinted 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  
info@mountidapress.com.

The *Bulletin* is indexed on APT's Website,  
www.apti.org, and in Art Index, Architectural  
Periodicals Index, Art and Architecture  
Technical Abstracts, Avery Index to  
Architectural Periodicals, Garden Literature,  
America: History and Life, Historical Abstracts,  
Ulrich's, and the University of Maryland-  
National Trust Library Index to Historic  
Preservation Periodicals. Past issues of the  
*Bulletin* are available on JSTOR, the Scholarly  
Journal Archive.

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.

© 2015 by Association for Preservation  
Technology International. ISSN 00449466

Postmaster: Send address changes to APT,  
3085 Stevenson Drive, Suite 200, Springfield, IL  
62703

Cover: Damage to untreated wood  
caused by termites after only six months  
of soil contact in Louisiana. Courtesy of  
Stan T. Lebow and the U.S. Forest Products  
Laboratory.

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

All *Bulletin* articles undergo peer review.

### Georgia Marble Repair at the Minnesota State Capitol

Paul Whitenack,  
L. Brad Shotwell, and  
Michael J. Scheffler  
10



### The Making of the Nara Document on Authenticity

Christina Cameron and  
Nobuko Inaba  
30

### Structural Assessment, Analysis, and Rehabilitation of a Masonry Aqueduct

Dennis McMullan and  
Douglas Bond  
18



### Taos Pueblo Preservation Program

Luis Mountain Zamora and  
Mary Kay Judy  
38

### Practice Points Number 14: Wood Preservatives: Considerations for Historic- Preservation Projects

Ronald W. Anthony  
and Stan T. Lebow  
*Follows page 28*



Editor's Note  
Diana S. Waite  
3

### APT Building Technology Heritage Library

Mike Jackson  
46

### Book Reviews

Frances Gale  
Book Review Editor  
47

### Directory of Advertisers 48

### Index to Volume XLVI 51

### APT Membership Information 55

# **KH** KEAST & HOOD STRUCTURAL ENGINEERS



Creative Collaboration



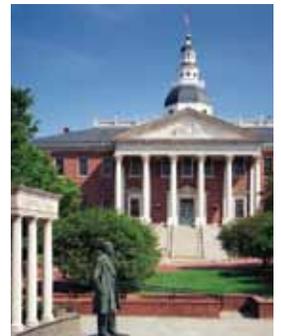
**Providing structural engineering solutions  
in historic buildings for over 60 years.**



Thoughtful Preservation



Insightful Engineering



Exceptional Service





# CONSERVATION SOLUTIONS

CELEBRATING 15 YEARS WHILE PRESERVING TWO ARCHITECTURAL TREASURES

[conservationsolutionsinc.com](http://conservationsolutionsinc.com)