The APT Bulletin Travels North America through Time

The Spring 2011 issue of the APT Bulletin, The Journal of Preservation Technology, contains articles that span the North American continent from prehistoric times to the twentieth century. Annick Daneels and Luis Fernando Guerrero-Baca examine data from the archaeological site of La Joya, located on the Gulf Coast of Mexico, to find out how monumental earthen architecture survived in the wet tropics. Beatriz del Cueto traces the development of the early uses of hydraulic mortars and concrete in Puerto Rico from Spanish colonial times to its years as a U.S. territory in the twentieth century. Thomas E. Boothby examines documents and the two longest lenticular-truss bridges built by the Berlin Iron Bridge Company of Connecticut and reveals their intelligent engineering and sharp business practices.

Current techniques used in preservation are also explored in this issue. Julie L. Sloan presents the results of water testing stained-glass windows at Saint Thomas Church, New York City. An article by L. Brad Shotwell, Joshua Freedland, and David A. Waugh explains how a macrotube can collect high-quality, uniformly lit field images of small-scale features; the article includes instructions and useful illustrations on how to build a macrotube. Vinay V. Badami focuses on a historic brick-masonry building in upstate New York to demonstrate the use of hygrothermal computer modeling in building analysis.

This issue’s Practice Points, the eleventh in the series, is Lorraine Schnabel’s “Mortar Analysis Part 3: Buying the Right Services.” While her earlier articles on Practice Points dealt with mortar-making materials and analytical methods, Number 11 is a guide to articulating the objectives of a mortar analysis, the analytical process, and purchasing the right services.

The Association for Preservation Technology is the only international organization dedicated solely to promoting the best technology for conserving historic structures and their settings. Founded in 1968 in Québec as a joint venture between Canadian and United States preservationists, APT provides members with benefits such as publications, networking, conferences, training courses, and student scholarships. As a benefit of membership, APT members can search, browse, download, and print full-text PDF versions of past *Bulletin* articles on JSTOR, an international online digital archive.

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.

**Contents**

*The Macrotube: An Inexpensive Device to Improve Photodocumentation of Surfaces*
*L. Brad Shotwell, Joshua Freedland, and David A. Waugh*

*Millenary Earthen Architecture in the Tropical Lowlands of Mexico*
*Annick Daneels and Luis Fernando Guerrero-Baca*
Assessment, Analysis, and Management of Lenticular-Truss Bridges

*Thomas E. Boothby*

Practice Points Number 11: Mortar Analysis Part 3: Buying the Right Services

*Lorraine Schnabel*

Water Testing Stained-Glass Windows at Saint Thomas Church, New York City

*Julie L. Sloan*

Hygrothermal Modeling of Brick Masonry Using Empirically Determined Properties

*Vinay V. Badami*

The Development of Hydraulic Mortars, Cement, and Concrete in Puerto Rico

*Beatriz del Cueto*

Book Reviews

*Frances Gale, Book Review Editor*

Vol. 42:1, 60 pp., 66 illus., $30.00 (U.S.) plus $5.00 shipping and handling.
ORDER FORM

Name ____________________________
Company ____________________________
Street Address ____________________________
City _________ State/Province ______ Zip code____ Country____
Daytime phone _______________ Fax_____________

Payment form:
__Check  __ Credit Card: American Express / VISA / MasterCard

Card number ____________________________
Card expiration date ____________________________
Name of cardholder ____________________________
Cardholder signature ____________________________

Please send me APT Bulletin Vol. 41:1

APT members: _______ copies @ $30.00 each $____
Non-members: _______ copies @ $39.00 each $____
Discount of 10% on 20 copies or more $____
Shipping and handling for first copy $ 5.00
Add $1.00 for each additional copy $____
TOTAL $____

Please send a publications list.
Please send membership information

Orders from U.S. must be prepaid. Orders from Canada and overseas will be invoiced. Make check or money order payable in U.S. funds to Association for Preservation Technology International, 3085 Stevenson Drive, Suite 200, Springfield, IL 62703, U.S.A.. Telephone 217.529.9039, fax (toll free) 888.723.4242, www.apti.org, e-mail: info@apti.org

The APT Bulletin is also available through JSTOR, the online digital archive, as a benefit of membership in APT.