

Volume XLVI Number 1

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 Miščević 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

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

APT 2015 Annual Conference Kansas City, Mo., November 1-5

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

Cover: Reynolds Metals Regional Sales Center, Southfield, Michigan, 1958. Photograph by Balthazar Korab, courtesy of the Library of Congress.

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

All Bulletin articles undergo peer review.

SPECIAL ISSUE ON MODERN METAL FINISHES

Metallurgy 102: Structure and Degradation of Metals Alan Pense





Practice Points Number 13 Data Interpretation and Early Corrosion Test Program for **Historic Concrete Buildings** Gina Crevello Follows page 28

A Survey of Historic Finishes for Architectural Aluminum, 1920-1960 Xsusha Flandro and

Helen M. Thomas-Haney





Modern Metals: Finishes. Investigation, and Conservation Considerations Jamie Clapper Morris and Deborah Slaton

The "White Metals" of **Early-Twentieth-Century** American Architecture Richard Pieper





Aluminum Finishes in Postwar Architecture Thomas C. Jester

Editor's Note Diana S. Waite 2

Guest Editors' Note

Rosa Lowinger and Kyle Normandin

Foreword to Modern Metal **Finishes** David Fixler

Building Technology Heritage Library Mike Jackson 51

Book Review

Frances Gale. **Book Review Editor**

Directory of Advertisers 54

APT Membership Information 55