

EDITOR
Paul E. Fontenoy
 North Carolina Maritime Museum
 315 Front Street, Beaufort, NC
 28516
 (252) 728-7317
 paul.fontenoy@ncdcr.gov

**NAUTICAL
 RESEARCH GUILD, INC.**

www.thenrg.org

HOME OFFICE

Nautical Research Guild
 Julie Hannon, Manager
 31 Water Street, Suite 7
 Cuba, NY 14727-1030
 (585) 968-8111

Office Hours 9AM - 2PM EST
 nrghomeoffice@verizon.net

OFFICERS

Lloyd V. Warner
 Director & Chairman

Bob Filipowski
 Secretary

Jeff Sillick
 Treasurer

DIRECTORS

Donald C. Dressel

Mickey Martelle

Mitch Michelson

Daniel W. Pariser

Don Preul

Kurt Van Dahm

EDITORIAL ADVISORY BOARD

Raymond Ashley
 Maritime Museum Association of San Diego

Filipe Vieira de Castro
 Texas A&M University

Annalies Corbin
 The PAST Foundation

Joe Flatman
 University College London

Paul F. Johnston
 National Museum of American History
 Smithsonian Institution

I. Roderick Mather
 University of Rhode Island

Douglas M. McElvogue
 The Mary Rose Trust

Waldemar Ossowski
 Polish Maritime Museum

Joseph K. Schwarzer
 North Carolina Maritime Museums

William H. Thiesen
 United States Coast Guard Historian's Office

John A. Tilley
 East Carolina University

Atilla J. Toth
 National Office of Cultural Heritage, Hungary

Spencer C. Tucker
 Virginia Military Institute

Dana M. Wegner
 Naval Surface Warfare Center

NAUTICAL RESEARCH

Vol. 56, No.4 Winter 2011

"Advancing Ship Modeling Through Research" **JOURNAL**

EDITORIAL194

FEATURES

The Use of CT Scanning in the Evaluation of Historic Ship Models
 by J.D. Bondy 195

**The 2011 Nautical Research Guild Photographic
 Ship Model Competition**
 209

The State Barge of the Pharaoh Tutankhamun (circa 1334-1325 BC)
 by John McGann 225

Looking for Left-Handed Rope
 by Dan Brummer 233

**COLUMNS
 SHOP NOTES**

MAKING MULTIPLE INCLINED STAIRWAYS
 by DAN PARISER 239

"ARE YOU BEING SERVED?"
 by ROBERT W. PERSON 243

LETTERS TO THE EDITOR 245

BOOK REVIEWS 245

ADVERTISER INDEX 249

ON THE BACK COVER 256

SUBSCRIPTIONS

One year is \$38.00 US, \$50.00 for all other countries. Contributions are welcomed, but contact the editor before submitting anything. Books are accepted for review. The editor and the Nautical Research Guild assume no responsibility for safe return of items sent. The Nautical Research Journal (ISSN 0738-7245) is published quarterly by the Nautical Research Guild Inc., 31 Water Street, Suite 7, Cuba, NY 14727-1030. Periodicals postage paid at Cuba, NY, and at additional mailing offices.

POSTMASTER: Please send address changes to Nautical Research Journal, 31 Water Street, Suite 7, Cuba, NY 14727-1030

The Nautical Research Journal is available on microfilm from Bell and Howell Information and Learning, Ann Arbor, Michigan.

On the cover: Model of the State Barge of Pharaoh Tutankhamun, built by John McGann. Photograph by the builder.