

WATCH

November/December 2017
Volume 59/6 • Number 430

Journal of the National Association
of Watch & Clock Collectors, Inc.

& CLOCK Bulletin



National Office hours, Mon.-Thurs., 8 am-5 pm;
Fri., 8 am-4 pm. Closed Sat. and Sun.
514 Poplar St. | Columbia, PA 17512-2130
Ph.: 717.684.8261 | Fax: 717.684.0878

NAWCC Staff

Executive Director Ext. 209	TOM WILCOX twilcox@nawcc.org
Controller Ext. 202	CHUCK AUMAN cauman@nawcc.org
Accounting Assistant Finance & Development Ext. 205	SARAH GALLAGHER sgallagher@nawcc.org
Development Coordinator Ext. 204	REBECCA HICKEY rhickey@nawcc.org
Director of Communications Ext. 227	MARKUS S. HARRIS mharris@nawcc.org
Marketing & Special Events Coordinator Ext. 231	KIM CRAVEN kcraven@nawcc.org
Education Coordinator Ext. 237	GILLIAN RADEL education@nawcc.org
Director of Information Services Ext. 232	KEVIN D. OSBORNE kosborne@nawcc.org
Member Services Office Manager Ext. 210	PAMELA J. LINDENBERGER plindenberg@nawcc.org
Administrative Assistant Membership Ext. 201	CHRISTA ECKERT ceckert@nawcc.org
Member Services Clerk Ext. 229	STACEY STRAYER sstrayer@nawcc.org

National Watch & Clock Museum

Museum Director Ext. 236	NOEL POIRIER npoirier@nawcc.org
Curator Ext. 203	KIM JOVINELLI kjovinelli@nawcc.org

NAWCC Store

Museum Admissions & Store Manager Ext. 211	ABBY KROUSE giftshop@nawcc.org
--	--

Library & Research Center

Library & Archives Supervisor Ext. 224	SARA BUTLER-TONGATE sbtongate@nawcc.org
Archivist Ext. 229	KATE VAN RIPER kvanriper@nawcc.org

Equal Employment Opportunity Policy

To give equal employment and advancement opportunities to all people, we make employment decisions at the NAWCC based on each person's performance, qualifications, and abilities. The NAWCC does not discriminate in hiring or employment because of race, color, religion, sex, age, disability, genetic information, national origin or ancestry, or any other characteristic protected by law.

Guiding Core Purpose

NAWCC's mission is to educate the world in the art and science of timekeeping.

Vision

NAWCC's vision is to be the premier educator in timekeeping and the preservation of timepieces.

The NAWCC, Inc. is the world's largest museum, research library, educational institution, and international community of horological professionals and enthusiasts dedicated to clocks, watches, time, and timekeeping. We are committed to being the world leader, educator, and advocate for horology and for everyone who is interested in timepieces and horological issues.

NAWCC Board of Directors

Terms expire 2021

SECRETARY	LEROY BAKER lebak@chorus.net
TREASURER	CHRIS MILLER cmiller@mimgolfcars.com
	JOHN COTE jcote@comcast.net
	ROBERT GARY robertsclockworks@verizon.net
	PHILIP E. MORRIS mpmorris@bellsouth.net
	TIM ORR torr286@aol.com

Terms expire 2019

CHAIR	RICH NEWMAN rnewman@yahoo.com
VICE CHAIR	JAY HOLLOWAY jay@hollowaytrading.com
	THOMAS J. BARTELS tombartels@gmail.com
	PHILIP C. GREGORY pgregory@flash.net
	DAVID A. LEE davidlee@theclockworks.com
	CARROLL W. WOLFE carrollw1102@gmail.com

Ex Officio

Legal Counsel	MYRON J. MINTZ, ESQ
Executive Director	TOM WILCOX

Official Notice

The full text of the approved minutes of NAWCC Board meetings may be found at <http://www.nawcc.org/index.php/ourassociation/bod-documents>.

Membership

US Memberships with publications mailed & online: Individual \$90, Business \$175

Memberships outside US with publications mailed & online: Individual \$114, Business \$199

eMemberships with online-only publications: Individual \$80, Associate (spouse/significant other of member) \$20, Youth \$20, Student \$35

Contributory and Lifetime Memberships available. Contact Member Services for information at 717.684.8261 (option 5) or nawcc.org/join.

Change of address, membership application, and membership payment should be sent to NAWCC, Inc., at the address above or by calling 717.684.8261 (option 5), faxing, or emailing membership@nawcc.org.

Members can update contact and payment information as well as make payments by going to My Account on nawcc.org.

NAWCC Publications Department

Editor Ext. 206	CHRISTIANE ODYNYEC codynyec@nawcc.org
Associate Editor & Chapter Highlights Coordinator Ext. 207	FREDA CONNER fconner@nawcc.org
Production Coordinator	KIM HESS
Creative Services Production Leader & WatchNews Editor Ext. 212	KEITH LEHMAN klehman@nawcc.org
NAWCC Advertising Services Coordinator Ext. 208	GILLIAN RADEL marf@nawcc.org

The *Watch & Clock Bulletin* (ISSN 2152-4858), peer-reviewed journal of the National Association of Watch & Clock Collectors, Inc., is published in January, March, May, July, September, and November. The NAWCC is a 501(c)(3) educational charitable nonprofit organization.

Manuscripts being offered for publication and all **editorial correspondence** should be emailed to the editor at the address above.

All material in the *Watch & Clock Bulletin* is copyrighted by the NAWCC, Inc. No article, feature, or any part of them may be copied or otherwise reproduced by anyone. Limited copying may be permitted by first requesting permission in writing, and receiving permission in writing; but acknowledgment of the source, adjacent to the copied article or feature is mandatory. An author may have copyrighted an article, in which case permission to copy must be obtained from the author.

Statements of opinion made by authors of papers read before or appearing in the publications of the NAWCC are accepted as the author's own. The Association assumes no responsibility for the accuracy or correctness of any statements of its contributors.

© Copyright 2017 by the National Association of Watch & Clock Collectors, Inc. **All Rights Reserved.**

Periodicals postage paid at: Lancaster, PA 17604-9998 and additional offices.

POSTMASTER: Send address changes to the National Association of Watch & Clock Collectors, Inc., at the address above.

NAWCC Inc. membership is not to be used to imply NAWCC endorsement of individuals, their products, or their services.

The NAWCC Inc. is tax exempt under Section 501(c)(3) of the US Internal Revenue Code, and gifts to the NAWCC are tax deductible under Section 170(b)(1)(A)(vi) of the code.

National Watch & Clock Museum

December thru March
Tues.-Sat. 10 am-5 pm
Closed Sun. and Mon.

April thru November
Tues.-Sat. 10 am-5 pm
Sun. noon-4 pm

Memorial Day thru Labor Day
Mon.-Sat. 10 am-5 pm
Sun. noon-4 pm (Closed July 4)

Library & Research Center

Tues.-Thurs. 8 am-5 pm
Fri. 8 am-4 pm

Sat. noon-4 pm
Closed Sun. and Mon.

Visit NAWCC.org to link to:

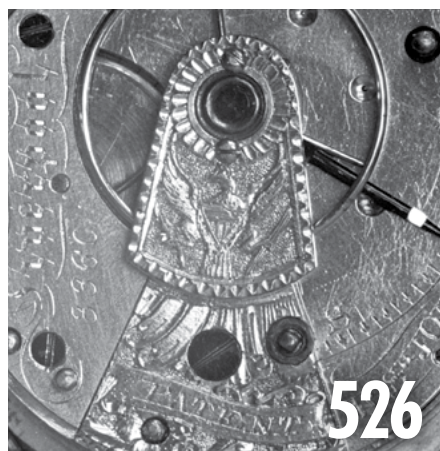


WATCH & CLOCK Bulletin

Volume 59/6 • No. 430



493



526

FEATURES

- 484 Vox Temporis | Letters to the Editor
- 486 Statement of Ownership
- 487 NAWCC 2018 Pritchard Prize Call for Entries
- 490 Fantastic Finds & Related Tales
- 492 Poem
- 517 WatchNews
- 519 Horology in Art
- 520 Tech Time
- 526 Research Activities & News
- 571 National Watch & Clock Museum & Library
- 574 In Memoriam, In Memory of, In Honor of and Obituaries
- 575 For All Time 75th Anniversary Endowment and Capital Campaign Donors

556 Thank You To Our Authors
Thank You to Our 2017 Writers

562 2017 Crafts Competition

ARTICLES

- 488 Life IS Fair!
by Patricia Holloway, FNAWCC
- 493 Two William B. Lorton "Iron Front" Clocks Made to His May 1, 1855, Patent Design
by Lee Davis, FNAWCC*
- 497 Design and Materials Features for the Keystone-Howard 16S Bridge Model Movements
by Selman A. Berger
- 511 Progression of Wristwatch Styles: From Bracelet Watches to Smartwatches Part 1
by Randy Jaye
- 540 Reproduce an Antique Kitchen Clock Shelf: An Interesting Challenge
by David J. Hagberg
- 547 Eli Porter, Clockmaker of Williamstown, MA: His Town, His Life, His Clock
by David A. Sperling



562

Letter from the Editor—Christiane Odyniec

It takes a little while to get your groove on.

The Emperor's New Groove was one of our favorite movies when my kids were little. In it, the self-centered emperor is dancing but has to stop when he backs into an old man. "I'm sorry, but you've thrown off the emperor's groove," a guard says and tosses the old man out a window. Don't worry—it's not gruesome. It's a kid's movie. The old man survives and the selfish emperor learns his lesson in the end. Spoiler: they all live happily ever after, with the emperor having a new and improved groove.

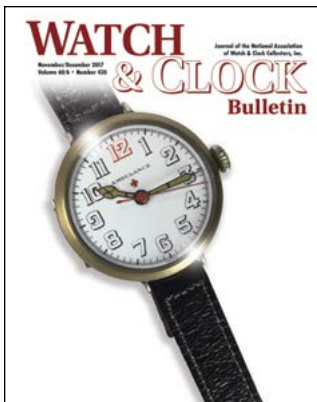
None of us are emperors, but I think we all have experienced the difficulty of getting one's groove on—especially when learning a new job. As the old saying goes, "We don't know what we don't know."

I started at the NAWCC Inc. in February 2017. My co-workers and the NAWCC members all welcomed me warmly and helped me get acclimated. However, the only real way to learn a job is to actually do it. I am happy to say that after a little more than 7 months, I feel like I have settled into the role of

NAWCC editor. That is, I believe I have my groove on. So where do I go from here?

First, I will be going to Boston in a few weeks for the NAWCC Ward Francillon Time Symposium. I am looking forward to the sights and sounds, the words and images, and most importantly the people I will meet. Then, at the end of November, there will be the 40th anniversary celebration of the National Watch & Clock Museum—an event I don't want to miss. Of course, there is the NAWCC Inc.'s 75th celebration to plan and prepare for in July 2018. So much to do with my new groove!

Regarding the *Bulletin* specifically, I am honored to continue the proud tradition of this publication. I am excited about the topics planned for 2018 (see a sample of them on page 525) and look forward to publishing new and established authors. My goal is that every issue provides a healthy balance of articles and features that reflect the diversity of our readership—in short, something for everyone. That way, we can all have our grooves on!



About the Front Cover

Our cover this month features the Marvin wristwatch, circa 1915. It is uncertain if these watches were issued by the military or individually purchased. This watch is on loan at the National Watch & Clock Museum, Columbia, PA, from former NAWCC Executive Director Steve Humphrey. To read the first installment in a new series on wristwatch styles, check out Randy Jaye's article on page 511. Cover designed by Keith Lehman.



About the Back Cover

Our back cover shows the German wag clock that is the subject of Jim Holmgren's article in *Fantastic Finds & Related Tales* (page 490). Read about his quest and perhaps be inspired to spin your own yarn in an upcoming issue. Back cover designed by Keith Lehman.

Errata

On page 433 of the September/October 2017 issue, Figure 5 should be rotated ninety degrees counterclockwise. The *Watch & Clock Bulletin* regrets this error, which was corrected in the online version.