



**Learning in Person by Gary Combs 9
Cryptogram/Sherlock Puzzle 20**



MART & HIGHLIGHTS

NAWCC • November/December 2021 • 422



**2022 Crafts Competition 60
2022 National Convention 66**

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Mystery Clock with Candelabra*

*Right: French
Oversized Arched
Glass Domed Top
Carriage Clock
with elaborate
ornamentation
Below: Chinese
Automaton
Bracket Clock with
Articulated Bell
Ringer on Top*



*Right: Rare Regina
Disc Operated Chiming Clock*



*Elliott of London
Carved and
Inlaid
9-tube
108"*



*106" Carved
French Tallcase*



*Spectacular Onyx
Tallcase Clock, 112"*



*Rocking Beam
Engine Industrial Clock*



*Rare 38" Trumpeter
Clock by Wehrle*



*Monumental Gilt Bronze
by Lerolle Frères, 32"*



*Above: French
Rocking Ship
Automaton Clock*



*Right: Rare American
Organ Clock 40" high*



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School of
HOROLOGY

Introduction to Antique Clocks

Date: Sat., 12/4/21 & Sun., 12/5/21

Time: 9:00 a.m. - 5:00 p.m.

Location: NAWCC School of Horology,
454 Poplar Street, Columbia, PA 17512

Instructor: Ken De Lucca (kdelucca@nawcc.org)

Scope: Basic functions of a time-only mechanical clock movement; take the movement apart, reassemble it, put it in beat & lubricate it

Tools: Hand tools & movements provided; bring your own binocular magnifier or similar device

Cost: \$695

Visit nawcc.org > Events to sign up today!



There's Always Something New to Learn!

As an NAWCC member for over 20 years and a graduate of the NAWCC School of Horology (2007), my primary goal is to reestablish our education outreach commitment to our members and those interested in clockmaking. It's time to refocus and revitalize by starting with beginners' classes at the School of Horology. My plan is to start with introductory classes and build upon them to reach more technical and complex offerings in Columbia. I also hope to develop our online educational video library for those who cannot attend in-person classes. It's an exciting time to be a part of this undertaking and an exciting time to be a member of the NAWCC!

—Ken De Lucca, NAWCC Director of Education



105th Auction

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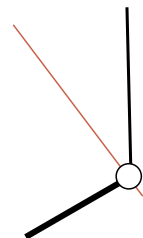
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The American Watchmakers-Clockmakers Institute

August 11-13 \$595 Herschede Tubular Bell Clocks Instructor: Michael Gainey, CC21 AWCI Headquarters, Harrison, Ohio Michael will share his knowledge gained from 40 years of experience through his extensive PowerPoint presentation with over 200 photos focusing on examples of issues before and after a rebuild that are unique to most common Herschede Tubular Bell movements.	August 11-13 \$595 Practical Gear Cutting for the Horologist Session 1 Instructor: David Lindow AWCI Headquarters, Harrison, Ohio Come to AWCI's well-equipped machine shop to join David Lindow for this practical, hands-on class where gearing and gear cutting will be practiced. Students will not only learn the basic setups for cutting horological gears, but they'll also learn multiple approaches to tooling as well as theory from a practical standpoint. Students will learn about wheel and pinion engagements and gain a fuller understanding of horological gearing in general. While the focus of the class will be on making gears and pinions, the skills taught will transfer to general repair and improve the success rate of all clock repairers.	August 14-16 \$595 Practical Gear Cutting for the Horologist Session 2 Instructor: David Lindow AWCI Headquarters, Harrison, Ohio Come to AWCI's well-equipped machine shop to join David Lindow for this practical, hands-on class where gearing and gear cutting will be practiced. Students will not only learn the basic setups for cutting horological gears, but they'll also learn multiple approaches to tooling as well as theory from a practical standpoint. Students will learn about wheel and pinion engagements and gain a fuller understanding of horological gearing in general. While the focus of the class will be on making gears and pinions, the skills taught will transfer to general repair and improve the success rate of all clock repairers.
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For additional details about specific courses in comprehensive syllabi form, including complete tool lists, visit: www.awci.com/classes or contact education director, Jason Champion, CW21, at 866-FOR-AWCI (367-2924), x303. For additional calendar events visit: www.awci.com/calendar.



Save the Date
Nov 4-6, 2021



Fall Symposium
More to follow!
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AHS THE STORY OF TIME



The Antiquarian Horological Society (AHS) offers a wide range of resources to those studying the story of time as well as to family historians, biographers, dealers, collectors, writers, and media researchers looking for key facts in the history of horology. Some of these we have made available to everyone.

AHS members have additional access to a bigger and growing set of online resources as part of their subscription, including free-text searchable access to *Antiquarian Horology* from 1953 to two years ago, *Horological Journal* from 1858 to two years ago, *Watch and Clock Maker* from 1928 to 1939, *Horological Review* from 1964 to 1965, and the Electrical Horology Group's Technical Papers series. Full details are found on our website under 'Resources'.

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NAWCC Watch & Clock Traveling Workshops 2022

F101 Introduction to Basic Time & Strike

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Shalimar, Florida. • January 13-16, 2022 Instructor:
Gary Combs. gary.combs@cox.net

Member cost per student will be \$250
Plus a material fee of up to \$40 to be collected in class.
Non-member cost per student will be \$300
Plus a material fee of up to \$40 to be collected in class.

Please check our website under the Events tab or contact NAWCC Education at 717.684.8261, ext. 237 or education@nawcc.org



If you have questions contact education@nawcc.org. Please do not make any firm travel reservations until it is confirmed if the class will go as scheduled.

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Figure 1.



Figure 2.

Learning in Person: NAWCC Traveling Workshop

By Gary Combs (FL)

On August 5–8, 2021, six NAWCC members traveled long distances to Shalimar, FL, to attend a four-day F105 400-day Clock Repair workshop. Two of the six students operate clock repair shops in their home area. In Figure 1, Loron Williams, standing, is watching Clyde Crouch work on his table of 400-day clocks. Clyde actually serviced five clocks during the course and all five were running. Clyde also made the most suspension springs – personally making more than all the other five students combined. Getting his clocks to run was not an issue for Clyde; however, adjusting them to keep accurate time was a challenge. All the students worked on multiple 400-day clocks, and the majority of the project clocks were running by Saturday.

Instructor Gary Combs provided each student with a custom suspension spring manufacturing block/jig (Figure 2) and copies of suspension spring templates from the *Horolovar 400-Day Clock Repair Guide*. Using the block jig and cut outs of the appropriate template – making suspension springs became an easier task for the NAWCC F105 students. A nice pair of nail clippers is a perfect tool for a clean crisp cut/trim of the suspension spring material. Extra taper pins to hold the top or bottom blocks is readily available. The bottle cap makes a neat retainer for very small loose pieces.

Removing the mainspring from the small barrel was a challenge for many of the students, and the consensus seemed to be to replace the old mainspring with a new Horolovar mainspring. If the correct new mainspring was available, many students replaced their project clock mainspring during this class.

In addition to TW F105, Gary teaches TW F101 and TW F102. Classes are routinely limited to 5 students and always held in Shalimar, FL. If you are interested in attending a Traveling Workshop class, please contact Gary at gary.combs@cox.net or education@NAWCC.org.



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NAWCC Dates to Remember

Access information about Regionals, the Convention, and the Symposium from the nawcc.org homepage. All Regional meetings must be scheduled through Convention Committee Coordinator John Koepke, 2923 16th Street, San Pablo, CA 94806-2362 • 510.236.2197 • jskoepke@comcast.net
This listing includes only Regionals that have been confirmed as of September 1, 2021.

2022 National Convention

June 23–26 • Dayton, OH

Co-Chairs: Earl Harlamert & Rich Newman

2022 NAWCC Ward Francillon Time

Symposium November 4–5 • New York, NY

Chair: Bob Frishman

FEBRUARY 2022

February 17–19—Florida

Mid-Winter*

Host: Florida Suntime Ch. 19

Cohost: Florida's Central/West Coast Ch. 156

RP Funding Center and Hyatt Place, Lakeland, FL

National Representative: Rich Newman

MARCH 2022

March 4–5—Lone Star*

Host: Lone Star Ch. 124

Cohosts: Southwestern Ch. 15; Five State Collectors Ch. 80; San Jacinto Ch. 139

Mesquite Convention Center and Hampton Inn & Suites, Mesquite, TX
National Representative: Sherry Kitts

March 11–12—Arizona Sunshine*

Host: Valley of the Sun Ch. 112

Cohosts: Keywinders of Arizona Ch. 46; Southern Arizona Ch. 113

Fountain Hills Recreation Center and Lakeshore Hotel & Suites, Fountain Hills, AZ

National Representative: Sherry Kitts

APRIL 2022

April 7–9—Southern Ohio

Host: Buckeye Ch. 23

Cohost: British Horology Ch. 159
Roberts Centre and Holiday Inn, Wilmington, OH

MAY 2022

May 13–15—Pacific Northwest*

Host: Mount Rainier Ch. 135

Cohost: Pacific-Northwest Ch. 31, Inland Empire Ch. 53, British Columbia Ch. 121

Kitsap Conference Center and Hampton Inn & Suites, Bremerton, WA

AUGUST 2022

August 12–14—Silver Dollar*

Host: Sacramento Valley Ch. 71

Cohosts: San Francisco Ch. 5, Sierra-Nevada Ch. 65, Diablo Valley Ch. 107
The Nugget Hotel & Casino Resort, Sparks, NV

SEPTEMBER 2022

September 9–10—MKOA*

Host: Sooner Time Collectors Ch. 74
Ozark Ch. 57

Cohosts: Ozark Ch. 57; Arkansas Razorback Ch. 62; Sunflower Clock Watchers Ch. 63
Location TBD

*Public day offered

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Alerts regarding stolen items are listed at no charge, in one issue only.



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Submissions and Payments:
3 p.m. EST, December 1, 2021

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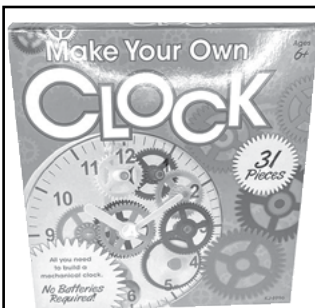
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Cryptogram Puzzle: Nov/Dec 2021

A cryptogram is a word puzzle in which one letter stands for another. If you think X = O, it will equal O throughout this entire puzzle. The solution is trial and error. Puzzle solvers, please email your answer, name, and Chapter affiliation to mart@nawcc.org. All emails will be acknowledged (if you receive no acknowledgment, please resend). Mail your answers to NAWCC, Inc., Attn.: Publications Dept., 514 Poplar St., Columbia, PA 17512-2130. Your name will be listed in the next available Mart & Highlights puzzle section. Please remember to include your name and Chapter number with your puzzle answer. (Clue L = W).

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The Adventures of Sherlock Holmes – Watch! Pocket Watch Pockets!

Email your answer to SherclockPuzzle@nawcc.org and you will be mentioned in the next edition. Please remember to include your name and Chapter number with your puzzle answer.

Sherlock Holmes walked into his sitting room to find his friend, Dr. John Watchson walking around their square table with his eyes closed. At each of the four corners of the table was a large bowl turned upside down. "What in heavens name are you doing, Watchson?" asked Holmes. "Ah," said Watchson, "you're home. I heard an excellent puzzle at my meeting today and I'm trying to solve it the best way I can. I need a table, which we have." "I can see that," said Sherlock. "And the table should have a pocket in each corner and be able to spin, which it hasn't and can't, so I'm using what we have. There is a pocket watch under each bowl." "Go on," said Sherlock sitting down in his favorite chair, "I'm still barely listening." "Imagine a square table with a pocket in each corner. There is a pocket watch in each pocket, which can't be seen. Each pocket watch case can be either open or closed, but they are not all the same. The goal is to make the cases either all open or all closed, either situation is acceptable. Now here is the trick, you may put your two hands into any two pockets and open, close, or leave unchanged the cases there, but after you've done so, you must close your eyes and the table is spun around an arbitrary number of times. You may then choose any two more pockets and repeat. If at any time you get all the cases to be the same, a bell will ring telling you that you have succeeded! The question is, what is the minimum number of times you will have to reach into the pockets to be certain that you have made all the cases the same. Isn't that interesting, Sherlock? Sherlock! Wake up!"

If you can figure out what is the minimum number of times it's necessary to reach into the pockets, and be guaranteed to get all the cases the same, and describe the procedure, email the answer to SherclockPuzzle@nawcc.org before the next Mart goes to publication, and you will be mentioned in the next edition. (courtesy of Jim Guinn)

The Adventures of Sherlock Holmes – Triplets!

The different sets of three numbers that will multiply to thirty-six are (1, 1, 36), (1, 2, 18), (1, 3, 12), (1, 4, 9), (1, 6, 6), (2, 2, 9), (2, 3, 6), and (3, 3, 4). (I don't think I've missed any!) Discounting (1, 1, 36) and (1, 2, 18) because they have numbers larger than twelve we are left with (1, 3, 12), (1, 4, 9), (1, 6, 6), (2, 2, 9), (2, 3, 6), and (3, 3, 4). Their sums are respectively 16, 14, 13, 13, 11, and 13. Sherlock said that he didn't have enough information to answer the question, and we can assume that Sherlock knows what he is talking about, so the date must be the 13th and the watches must be set to one of the triplets (1, 6, 6), (2, 2, 9), or (3, 3, 4), since they all have the same sum, 13. If the date were 16, 14, or 11, Sherlock would have had enough information to answer the question. Watchson then said that "the watch with the smallest time ..." But only the triplet (1, 6, 6) has a watch with the smallest time. So, the watches must be set to 1 o'clock, 6 o'clock, and 6 o'clock, and the date is the 13th! Once again, I would like to thank Ivan Moscovich's excellent book, *BrainMatics* H. F. Ullman Publishing, 2009, for the idea for this puzzle.

Cryptogram Puzzle Answer

Cryptogram Puzzle: Sept/Oct 2021 Mart & Highlights

ANSWER: Even a stopped clock is right twice every day. After some years it can boast of a long series of successes. —Marie von Ebner-Eschenbach

Congratulations to the NAWCC members who submitted correct answers.
Chapter 195 had the most solvers. The names are listed below in the order received.

Tom Chapell — Ch 6
Pat Holloway — Ch 15, 22,
120, 124, 134, 139, 194, 195
Daniel J. Trick — Ch 23
James E. Sturm — Ch 1, 76
George S. Augustas — Ch
124
Gary Knapton — Ch 171
Deborah Lockwood — Ch
55
Wayne and Shelia Fugett
— Ch 23
Barb Cline — Ch 29
Lori Janczura — Ch 107
Pam Hall
George Winkle
Bill Yee — Ch 31
Greg Ruda — Ch 6, 194
Chuck Montrose — Ch 84
John Cox — Ch 17
George R. Kozak — Ch 28
Mike Graham — Ch 84, 148
Fritz Lotze — Ch 59
Verlyn Kuhlmann — Ch 59,
136, 178, 180
Robert Linkenhoker — Ch
69, 81, 133, 136, 178, 180
Stephen Betts — Ch 40
Neil Gallensky — Ch 160
Harry Firth — Ch 36
Ralph Ferone — Ch 3, 47,
66, 159, 194, 195
Steve Hossner — Ch 31
George and Marietta Matto
— Ch 31
Mike Essi

Terrence Turgyan — Ch 142
Bob Carter — Ch 103
Dorothy and Dick Baker
— Ch 13, 55
Dan Davis
Margo Brill — Ch 55
Chuck Edwards — Ch 124
Edward Newcomb
Nancy Burke — Ch 37
John Platt — Ch 159
George Emery
Peter Barrett — Ch 1
Ron Jensen — Ch 34
Michael Powers — Ch 148
Dale Kiesewetter — Ch 12,
134, 194
Jim Powers — Ch 87, 89,
189, 194
Ann Prasil-Karam — Ch 28,
195
Mark Stevens — Ch 3
Marc Toplin
Jim Hartog — Ch 119
Ben Snitkoff — Ch 87
M. Beth Brown — Ch 109,
195
Elinor Kline — Ch 23
Phil Carthage — Ch 89
John Acker — Ch 124, 139,
168, 195
Cheryl Comen — Ch 2, 148
Roger Cozier — Ch 23
Bob Schug — Ch 22, 31
Sigfred Knudsen — Ch 92
Cornelius and Mary
Frances Blevins — Ch 29

Randy Grunwell — Ch 24
Harold Koch — Ch 8
Richard A. Beach
John Wilman — Ch 84
Mark Beever — Ch 8, 89,
134
Michael L. O'Sullivan
— Ch 8
Bob Feiertag — Ch 22, 23
Bob Ballenger — Ch 31
Marjorie Wilson — Ch 119
L. Scott Petersen — Ch 1,
133, 134
David Stillwell — Ch 178,
195

July/Aug Puzzle 118

Mark C. Will — Ch 63
Paul J.I.M Berntsen
Vint Bradburn
Mark Stevens — Ch 3
Richard Philips — Ch 17

Sherclock Holmes – Triplets!

Steve Hossner – Ch 31
Russ Youngs
Ben Snitkoff – Ch 87
Randy Grunwell – Ch 2437

Sherclock Holmes – A Timely Egg

Greg Geiman
Randy Grunwell – Ch 24

New Members and Memberships

July & August 2021

New Business Members

Eugene Stohlman • Claudio Cur

Michael Daniel • Steve Davidson

Membership Upgrades

New/Upgraded Brass

J. Alan Bloore
Ronald Gaskins
Ronald Hansen
Eric Janle
Jay Jordan
Daniel Rose
Stephen Saft
Kent Smith
Charles Timm

Returning Brass

Larry Gene Brown
Richard Flynn
Jay Hendricks
Erik Jokinen
Phil Jones
Tyler Kalb

George Matto
James Nichols
Harrison Terrell

New/Upgraded Silver

Timothy Drury
Howard Frisch
Stanton Harn
John Koepke
Susan Simens

Returning Silver

Brian Carlin
Chrisoula St Dennis
George Murphy
Louis Pardi
Mark Simens

Returning Gold

Chester Ekstrand
Jeffrey Ferrill
James Lawton
Thomas Leidy
Rex Lucke
Kent Singer

New/Upgraded Gold

Evelyn Allison

Returning Platinum

Michael Goodwin

National

Michelle Wallace
Anniston, AL
Danny Eiland
Clanton, AL
Robert Langton
Pasadena, CA
Russ Altman
Menlo Park, CA
Robert Bray
San Diego, CA
Michael Nello Ferretti
Los Banos, CA
Elizabeth Sharp
San Diego, CA
Michel Medina
Roseville, CA
Frank Su
Camarillo, CA
Marianne Duncan
Stockton, CA

Guy Robinson
San Diego, CA
Tom Ahern
Centennial, CO
Greg Geiman
Fruita, CO
Zachary Humphries
Erie, CO
Lisa Carter
Hamden, CT
Rick E. Daley, Jr.
Plantville, CT
Bernd Frost
Portland, CT
Rob Gentile
Newark, DE
Stephen Voorhis
Green Cove Springs, FL
Norwin Voegeli
Ponte Vedra Beach, FL
Adrian Pincever
Parkland, FL

Kathryn Coll
Hollywood, FL
Maksim Malteer
Hollywood, FL
Kevin J. Shahan
New Port Richey, FL
Janice Karm
Boynton Beach, FL
Chip Moak
Coconut Creek, FL
Brian Sneed
Kingsland, GA
William Vaughn
Dawsonville, GA
Luis Rojas
Braselton, GA
Jerry A. Shafer
Dalton, GA
Les Dobbins
Suwanee, GA
Kelly Sims
Bogart, GA



LONE STAR ★ CHAPTER 124

SAVE THE DATE

2022 Lone Star Regional

March 4-5, 2022

Mesquite, Texas

www.chapter124.org

"The NAWCC, its officers and members, and The Lone Star Regional are not responsible for any loss, injury, or tort during the event."

Mark C. Murbach
Watkinsville, GA
Charles Cartwright
Keaau, HI
Gary Walker
Spirit Lake, IA
Mark Kailer
Boise, ID
Kenneth Johnson
Yoder, IN
Tod Jacobson
Plymouth, IN
Brenda Greiner
Lexington, KY
Christopher Woodhouse
Louisville, KY
Darrell Greer
Corbin, KY
Robert Mcleish
Norwood, MA
Steve Davidson
Concord, MA
David Greeves
Frederick, MD
Eugene Stohlman
Hagerstown, MD
Edward DeGarbolewski
Earleville, MD
Michael Shackelford
Brunswick, MD
Christopher Duffy
Frederick, MD
Stephen Eldridge
Monmouth, ME
Robert Moskalik
Lawton, MI
Ronald Schreiber
Oak Park, MI
Douglas Urbanski
Saint Paul, MN

Dwight Salley
Kansas City, MO
Dominic Sappington
Neosho, MO
Todd Burke
Winston Salem, NC
Scott Markwood
High Point, NC
Claudio Cur
Waxhaw, NC
John M. Pagel
Hendersonville, NC
Ralph Hicks
Fletcher, NC
Kyle Marshall
Franklin, NC
Will Davidson
Charlotte, NC
Richard L. Phillips
Charlotte, NC
Thomas Irwin
Lillington, NC
Russell Singer
Sanford, NC
Dean W. Ullerich
Omaha, NE
Thomas Carriker
Taylor, NE
C. Joseph Rickrode
Nashua, NH
Bob Collins
Londonderry, NH
Jay Jordan Gilmanton
Iron Works, NH
Ruth Astemborski
Beverly, NJ
Sam Fried
New Milford, NJ
Ellen Bakalian
Newfoundland, NJ
Mike Smoliga

Trenton, NJ
Paul Alfano
Flemington, NJ
Matthew Korobkin
Haddon Township, NJ
Kelly E. Burghart
Highland Park, NJ
Anthony Corallo
Manalapan, NJ
Maxwell Kimerling
Staten Island, NY
Mehran Shirazi
Monroe, NY
Craig Roth
Syracuse, NY
Joshua Yarmish
Brooklyn, NY
Kevin Reap
Syracuse, NY
Cody Pershinsky
West Islip, NY
David Butchko
Syracuse, NY
Mark Carl
Tonawanda, NY
Jonathan Fagan
Columbus, OH
Patrick Britten
Salesville, OH
Michael Daniel
Cleveland Heights, OH
Christopher S. Duckworth
Columbus, OH
Michael Jaccarino
Cincinnati, OH
Daniel Hugli
Hubbard, OH
Robert Basel
Galloway, OH
Douglas Evans
Carroll, OH

Chris Sides
Tulsa, OK
Michael Bobo
Edmond, OK
Stephen Gentner
Portland, OR
Eric D. Ritchey
Wellsville, PA
Kenneth Druckenmiller
Bloomsburg, PA
Benjamin Bluestein
Lititz, PA
Amy Parenti
Doylestown, PA
Joy Vincent-Killian
State College, PA
Richard Killian
State College, PA
Rhonda Robinson
Cresco, PA
Rafael Rios
Mechanicsburg, PA
Michael Loughrey
Coopersburg, PA
Paul Koczwanski
West Warwick, RI
Gary Bourgeois
Columbia, SC
Dylan Burton
Seneca, SC
Hardy Russell
Rock Hill, SC
Gwen Cannon
Clemson, SC
Robert R. Williams
Tullahoma, TN
Kirt Keelan
Houston, TX
Reece Parrish
Baytown, TX
Wayne Brooks
Galveston, TX
Carl Childers
Conroe, TX
Gerald Sorensen
Waxahachie, TX
Christopher A. Rodie
College Station, TX
Kimara Wilson
Brownwood, TX
James Arbuckle
Galveston, TX
Donna Blackwood
Rockwall, TX

Vinh Nguyen
Houston, TX
Craig M. Lindsay
Mansfield, TX
Toby Hendricks
Taylor, TX
Harold Schultz
El Paso, TX
Andrew Dill
Freeport, TX
Patricia A. White
Caddo Mills, TX
James Austin
Forney, TX
Luis Peixoto
Katy, TX
Steven Garner
Weatherford, TX
Bruce Bray
Salt Lake City, UT
Matthew Wood
Falls Church VA
Jason Nofsker
Virginia Beach, VA
John Musser
Stephens City, VA
Daniel Fragiadakis
Alexandria, VA
Robert Davis
Palmyra, VA
Rodney Smith
Richmond, VA
Frank Clark
Culpeper, VA
Joyce Davis
Palmyra, VA
Walter Smith
Lorton, VA
Donna Mustanski
Glen Allen, VA
Paul Thomson
Roanoke, VA
M. Pratt Valentine
Lynchburg VA
Nicholus Morrow
Wakefield VA
Jeff Sandford
Hampton, VA
Christopher Rusk
Williamsburg, VA
Bryan Carlile
Virginia Beach, VA
Rawad Sleem
Spotsylvania, VA

Mark Marks
Suffolk, VA
Nicholas May
Chilhowie, VA
Benjamin Wunder
Midlothian, VA
Mark Connolly
Woodbridge, VA
Libby A. Mills
Virginia Beach, VA
Leonard Merida
Floyd, VA
Michael Carter
Midlothian, VA
Hal Scott
Virginia Beach, VA
Michael Becwar
Seattle, WA
Paul Gessner
Mountlake Terrace, WA
Hamza Masood
Seattle, WA
Mary Clare Trainor
Waukesha, WI
Kenneth Frederick
Milwaukee, WI
Carl Bergquist
Kenosha, WI
Peter Schaeffer
Morgantown, WV

International

Sean Killins
Sidney, Canada
Christopher Reuse
Stoney Creek, ON Canada
Michael Taylor
Centreville, NS Canada
Jose Saenz
Cuajimalpa, Mexico
Keith Higgins
Southampton,
United Kingdom
Nigel McMorris
Armagh, United Kingdom
Christopher Lloyd Owen
King's Lynn, United Kingdom
Michael Skinner
Berkshire, United Kingdom
Juan Quirk
Isle of Man, United Kingdom

Chapter Highlights

Total membership on August 31, 2021: 10,025
First accession number on September 10, 2021: 185690

Chapter reports must be received by the end of the working day (5 p.m. EDT) on the following date to appear in the next published issue: **Wednesday, November 10, for the January/February 2022 issue.** Send reports to chaphi@nawcc.org. For reporting questions call 717.684.8261 ext. 207.

Arizona

112. VALLEY OF THE SUN

LOCATION: Fountain Hills Community Center, 13001 N. La Montana Drive, Fountain Hills, AZ 85268

WHEN: Second Saturday of each month, except November (first Saturday); silent auction and mart, 9 a.m.; meeting and program, 10:30 a.m.

MEMBERSHIP INFORMATION: Malcolm L. Comeaux, 321 E. Fairmont Drive, Tempe, AZ 85282

EMAIL: comeaux@asu.edu

WEBSITE: <http://new.nawcc.org/index.php/chapter-112-valley-of-the-sun>

JULY MEETING: Our meeting was once again held virtually via Zoom and 20 people joined the meeting. During our brief business meeting, the main topic of discussion was final planning for our upcoming Sunshine Regional in October.

SHOW AND TELL: Jim Powell showed us his 7.5" time-only brass Chelsea ship's clock that has a brass dial, a sweep second hand, and a hack function. The clock also has two electrical connections. Discussion ensued regarding the electrical connections and why the clock has a hack function. Jim also showed us a Honeywell Model 77 thermostat clock that has a 7-day, 7-jewel mechanical movement. He also displayed a round metal-cased French wall clock with a black reverse-painted glass dial and is chain wound.

Don Couch shared an interesting electromechanical clock that he is repairing for a friend. The movement is mounted on a marble backplate, and impulse is supplied electrically to the pendulum. Don had to make a new motor coil for the clock by carefully winding 40-gauge wire on a lathe. The new coil is only

1.5 mm thick and superglue makes it self-supporting. Don also designed and made an adjustable voltage regulator for a Bulle clock that requires 2 volts to run. The voltage regulator reduces a 3-volt power source to the needed voltage. Someone noticed that Don had a Big Ben "Clock of Tomorrow" sitting in the background. The clock is a reproduction of the original and has a quartz movement, a white enamel case, and a bright metallic bezel.

Pat Fitzgerald displayed his Seth Thomas Model 71 wall clock circa 1943. There is an aperture in the dial around the seconds bit, and the outside edge of the dial is painted with alternating black and white bars like a radio room clock. It's possible that it may have been used as a master clock to synchronize wartime radio communications.

Frank Wagner proudly displayed a new acquisition, a very handsome English skeleton clock made in the mid-1800s. He believes it may have been manufactured by Evans of Handsworth.

JULY PRESENTATION: The presentation was a walk-through of the collection and workshop of Bruce Jeffers. Bruce has been collecting and professionally restoring clocks for almost 50 years. His special area of knowledge is old English clocks. Bruce took us on a quick tour through the collection scattered throughout his home and we ended up back in his workshop at his computer. Bruce's plan was to explain and illustrate the unusual escapements and complications found in some of his clocks. Unfortunately, his computer froze and he could not get it back up and running in a timely fashion. It's unfortunate that we only got a taste of Bruce's passion for finely made clocks and we hope that he will be able to complete his presentation at a future meeting.

AUGUST MEETING: The August meeting was held via Zoom and there were 23 participants.

NAWCC Board of Directors member Sherry Kitts joined us. Sherry was supposed to be our National representative at the October 2021 Sunshine Regional, which unfortunately had to be canceled at the last minute due to problems with the meeting facility. Much of the business meeting discussion focused on identifying the work required to reschedule the Regional to March 2022.

SHOW AND TELL: Jim Powell showed us a Dutch Zaandam wall clock that was gifted to him. The clock dates from the 1950s and has solid polished brass weights and nice cast brass ornamentation.

Mort Drexler loves 37-size clock movements and he showed us two auto/truck clocks that both have 37-size seven jewel movements. One was a Waltham and the other was made by Elgin. The Waltham example is older and its nickel-plated case could be mounted onto the dashboard of a car or truck. Vehicles of the era didn't have doors or if they did, they didn't lock. The case was made in such a way that it could be removed and taken with the owner when the vehicle wasn't in use. The Elgin clock was in a rectangular brass case that would slide onto a heavy base plate attached to the dash. It could be locked to the plate using a key, thus reducing the chance that it would be stolen.

Dave Shields displayed a quartz wrist-watch that was manufactured in the steampunk style. Like many decorative steampunk items, it has a heavy industrial look with a number of nonfunctioning gears and wheels. **AUGUST PROGRAM:** Jim Powell gave a program titled, "A Brief History of Steampunk with an Emphasis on Timepieces."

Jim has an interest in steampunk, which often gives futuristic capabilities to 19th-century machinery. He referenced the influence of the author Jules Verne who captured the reader's imagination describing voyages to impossible destinations in fantastic Elizabethan-era machines. Steampunk has influenced fashion and also movies, such as the 1950s Disney movie *20,000 Leagues under the Sea* and the 1999 comedy *Wild Wild West*. Some antique clocks also celebrate the European Industrial Revolution. A number of late 19th-century French clocks were modeled after the large industrial machines of the day such as railroad engines, boilers, and steamships, and each had a clock movement mounted in it. Modern steampunk clock designs may incorporate

a large number of nonfunctioning gears, buttons, switches, gauges, and even vacuum tubes in the case design. Jim's lively presentation contained many photos of these futuristic and imaginative timekeeping creations.

—Dave Shields

California

71. SACRAMENTO VALLEY

LOCATION: Sacramento Garden and Arts Center, 3300 McKinley Blvd., Sacramento, CA 95816

WHEN: Third Sunday of January, March, May, July, September, and November

MEMBERSHIP INFORMATION: Robert Peischl, 510 N St., Rio Linda, CA 95673; 916.991.4301

EMAIL: uhrhaus@aol.com

WEBSITE: <http://net.nawcc.org/chapter71>

JULY MEETING: Our first in-person meeting since the beginning of the pandemic was held at the Shepard Garden and Arts Center. For this meeting, we had a mask protocol and did not serve any refreshments. That being said, there were 25 members present for the mart, three guests, and 17 people who stayed for the meeting and program. This meeting was our first in the recently refurbished center, which is now under new management!

The meeting was called to order by President Vince Angell. He announced a new rule for guests. A guest can attend two meetings and on the third visit must become a member of the Chapter. At that time, they must also be a member of the National.

Vince then announced to the group that the next Silver Dollar Regional has been set and will be held in Sparks, NV, at the Nugget Hotel Casino Resort on August 13–14, 2022. Four Chapters have signed up to co-sponsor this Regional. They are Dr. Barclay Stephens Chapter 5, Sierra-Nevada Chapter 65, Sacramento Valley Chapter 71, and Diablo Valley Chapter 107. Vince asked the attendees to think of how they can volunteer to put on this event. Without volunteers there might not be an event so please volunteer.

The Chapter would like to take this time to announce that in June 2021 John Koepke was a recipient of the NAWCC Fellow Award. It is well deserved. Congratulations, John!

In addition to John Koepke receiving his NAWCC Fellow Award, the Chapter would also



(left) John Koepke showing the Lick Observatory where the Dent Precision Clock was used. (right) Longtime member Harve Ferrill showing, if you can see it, his new NAWCC 50-year pin he received.

like to announce that our long-time member Harve Ferrill, member of Chapter 71, Chapter 65, and Chapter 178, has recently received his 50-year Membership pin from the NAWCC. Thank you, Harve, for being part of a great organization.

SHOW AND TELL: Ron Hoops showed how he restored a little Sessions banjo clock that he purchased from a thrift shop for \$5. Great job, Ron! Ric Gatling showed a clock he restored for a friend that had been in Kauai, HI, for many years. The clock movement was badly rusted and corroded. Ric painstakingly spent many hours polishing each piece and putting the clock back in running condition. It was fabulous work and he showed pictures of the finished clock. Chris Johnson showed the group a beautiful New Haven bracket clock. It is a Hew Haven Chime No. 3 circa 1900. Chris took and completely restored this clock to what we would call "MINT." Ken Rothaus showed pictures of a Dent astronomical clock he saw when visiting a museum in England. Vince Angell showed information on the Howard Banta Alarm Clock Chapter, hoping to attract new members. He then surprised the group with a pop-up photography tent that is

great for taking pictures of small items. This 24" photo box with different colored backdrops was only \$25 on Amazon. It's a great buy and a huge help in photographing items.

JULY PROGRAM: Our guest speaker was John Koepke, president of Barclay Stephens Chapter 5 and The Horological Tool Chapter 173. He gave two great presentations.

First, there is a 25' steampunk clock weighing around 1,500 to 2,000 lbs. located in Sebastopol, CA. The clock was handmade out of various scrap metals by a very handy gentleman that actually knew nothing about building clocks. We believe that he would like to donate the clock to the Vista Museum. John is asking Northern California Chapters if they would be willing to donate money to relocate this clock. Chapters 65 and 71 have agreed to donate at the present time.

Next John showed pictures of a Dent Precision Clock, circa 1880s. This Dent No. 1847 was used in the Meridian Circle House at the Lick Observatory. It has a double four-legged gravity escapement with a mercurial compensated pendulum. Hopefully it will be restored soon. —Phyllis Angell



Activity at Chapter 190's August mart.

190. VENTURA & SANTA BARBARA COUNTY

LOCATION: Ventura College Cafeteria, Building B, 4667 Telegraph Road, Ventura, CA 93003

WHEN: Third Sunday of each month, except June and December; workshop, 11 a.m.; mart, noon; meeting and program, 1 p.m.

MEMBERSHIP INFORMATION: Ernie Jenson 805.341.4619

EMAIL: erniejenson1@gmail.com

WEBSITE: <http://www.nawcc-ch190.com/>

JULY MEETING: We had 25 members attend our first in-person meeting since early 2020, including 4 guests.

Following our Chapter member sales and lunch, Chapter President David Spong welcomed us back to our first in-person meeting since early 2020. Education Director Tom Ferkel spoke about plans for an upcoming workshop tentatively to be held in October of this year.

After announcements, David Spong gave his presentation, "A Restored French Portico Barley Twist Column Clock Circa 1870." He began by sharing that the clock was a thrift store

find. He found a possible repair mark when working on the movement dated to 1894, which was possibly the initial repair date. He was able to repair the movement not long after purchasing the clock in 2015. However, he did not tackle the very extensive case restoration work until early 2020.

The focus of the talk was the case restoration. In just the top area of the case, of 12 original pieces of brass inlay, 10 were missing. A similar situation was found in other areas of the case. He discovered that for each missing piece of inlay, there was a remaining duplicate somewhere else on the case. He was able to use these existing pieces to create the needed templates to make replacement pieces. He also was able to learn to hand engrave the necessary replacement pieces, as well as to recreate the decorative stringing needed to complete the case. David shared how he created the tools and jigs he needed to accomplish this amazing work. He also shared how he completed the repair of a large crack in the bottom section of the case. He finished his presentation by showing before and after photos of each section of the case, which garnered a well-deserved, huge round of applause from the Chapter members.

SHOW AND TELL: Richard Lamoureux showed the group his inherited 1807 Eli Terry woodworks tall case movement (running on a test stand). He shared that the history of the movement with his family dates back to the original purchase in Vermont. He began working on the movement in 2009, and he continues to make fine adjustments.

Following Show and Tell, door prizes were drawn.

AUGUST MEETING: Instead of a regular meeting, Chapter 190 held a small outdoor mart. The mart was held on the grounds of the Dudley House, in Ventura. Members supplied their own tables or used tables from the Dudley House to display their offerings. One member was able to purchase the blueprints for a Synchronome clock for a donation to the Chapter. Another member purchased a world time clock. And, of course, much more occurred during the course of the mart. Lunch was served to members during the event.

—Sue Gary



From left, Terry Jones, John Neal, Jim Price (NAWCC Board Chair), Mike Korn, and Tom Evans at the Colorado Regional.

Colorado

21. COLORADO

LOCATION: St. Michael and All Angels' Episcopal Church, 1400 S. University Blvd., Denver, CO 80210

WHEN: Fourth Monday of each month, 7 p.m., except July and December

MEMBERSHIP INFORMATION: Mike Korn

EMAIL: nawcc21@gmail.com

WEBSITE: <http://www.nawcc21.com/>

AUGUST MEETING: The meeting was called to order by Ken Reindel with the customary review of COVID-19 status in Colorado. There were 28 people in attendance. We are planning for a face-to-face meeting in September, but with the recent outbreak of the Delta variant, the decision is less confident at this time. Expect to be notified as the situation evolves.

Terry Jones reported on a new location for the regular meetings generally held on the fourth Monday of the month. It is necessary to move because our Monday time slot has been reassigned, reportedly anyway, to another group meeting at St Michael's. There is some confusion about this, but the most we can determine, and for our self-interest, it is time to identify another place to meet on Mondays. The jury is still out, but for information purposes, the new location is easy to access from I-25 and University, close to the LaQuinta

Motor Inn and Perkins Restaurant at Buchtel and South Colorado Blvd. The address will be published as soon as confirmation is verified.

Dave Fornof reported on the Regional. It was a grand success from all indications. Like our monthly meetings, the Chapter was obliged to find a new venue. Moving the location to Boulder County appears to improve the annual event. The final count was 70 tables and over 100 participants. NAWCC Board Chair Jim Price was on hand for the entire weekend and welcomed the group with an update at the Chapter's breakfast on Sunday. Chapter member and outgoing National Board of Directors member Tim Orr made the keynote presentation on "Longitude and Latitude Today." His talk is available on the Chapter's YouTube channel at <https://youtu.be/B8Zg5F3QH5g>.

Following a short discussion on the Boulder Fairgrounds facilities, the consensus was to schedule the same time and place for next year's Regional Expo. Again, Dave and Nattelle Fornof will take the lead. Dave and Nattelle Fornof and Terry Jones were given a round of applause and thank you for the time they invested in organizing the successful 2021 Colorado Regional.

Several show-and-tell items were displayed and presented in Zoom's screen share. One notable talk was about a street clock located on South Broadway, with tips from the

group on how to sleuth out the owner. Unfortunately, the clock is not working. However, it is unique on a major highway and might be a project if the owner can be unearthed.

Librarian Paul Wegener reported on a book titled *Clocks* by Simon Fleet (Octopus Books, Ltd., Publishers, London, 1972). Paul always shares a pithy perspective. To quote his critique: "All of you that collect and/or repair clocks should always be in wonder of some of them that were invented and created, as it were, by men [humankind]. This book begins with man's earliest timepiece, a stick in the ground to cast a shadow. Then, it traces its history and evolution to the mechanical clock through sundials and water clocks, hourglasses, and measured candles. The book is a fine read." The members always appreciate the librarian's report and summary of the many titles in Chapter 21's library. Thank you, Paul.

John Flahive presented the monthly program, "Military Watches of WWI and WWII." It was recorded and is available at https://youtu.be/F6Gcmc_4zNg.

Ken Reindel is scheduled to present next month on, "Clock Case Restoration." —David Gies

Florida

96. FLORIDA WHITE SANDS

LOCATION: Ensley Church of the Nazarene, 8300 N. Palafox, Pensacola, FL 32534 or Shalimar Town Hall, 2 Cherokee Road, Shalimar, FL 32579

WHEN: Third Sunday of February, June, August, October, and December, 2 p.m. Second Sunday of April

MEMBERSHIP INFORMATION: Gary Combs, 850.217.5180

EMAIL: gary.combs@cox.net

WEBSITE: <https://new.nawcc.org/index.php/chapter-96-florida-white-sands>

AUGUST MEETING: Even with a low turnout (only 6), those who attended the Shalimar Town Hall meeting were treated to a presentation on antique American clock types and American clock companies from 1800 through the 1930s. Participants discussed various American clock companies, and Sam Gereg added to the discussion with mention of American clock companies that also manufactured watches. Everyone enjoyed drinks,



The Hamilton Model 925 that Chapter 96 will give away at the October meeting.

various pastries, and fresh fruit. In keeping with the Chapter's past meeting protocols, a fully restored Sessions 8-day black mantel clock (not in Tran Duy Ly's book) was given away as a door prize. Several horological items (watches and clocks) changed ownership with a small mart offering. At the October 17 meeting to be held in Shalimar, the Chapter will give away a very nice, working 18-size, 17-jewel, gold-filled hunter cased Hamilton Model 925 pocket watch. Members, friends, and family are always welcome. Mike Stafford, from Milton, was a new attendee to our August meeting. —Gary Combs

154. DAYTONA BEACH

LOCATION: Various

WHEN: Various

MEMBERSHIP INFORMATION: Viviane Lindeolsson

EMAIL: vivlo@earthlink.com

WEBSITE: <https://randyjaye.wixsite.com/chapter-154-nawcc>

JULY MEETING: Chapter 154 has started a new public project (maintenance of the historic Espanola Schoolhouse), and is working to gather additional funding.

The July 2021 program was conducted live online using Zoom, recorded and then posted on Chapter 154's YouTube channel. The program was, "American Watch Companies of Yesteryear." This program discussed several watch companies that originated in the United States since the mid-19th century, including American Waltham Watch Co., Benrus Watch Co., Elgin National Watch Co., Gruen Watch Co., Hamilton Watch Co., Hamp-



Hamilton Watch Co. Lancaster, PA, postcard, circa 1960. Photograph by Chapter 154's Randy Jaye.

den Watch Co., and Illinois Watch Co. Some of the watch models from these companies are sought by collectors; however, many do not have much monetary value in today's market. Due to buy-outs, mergers, and inconsistent company records, it is difficult to determine when some of these companies actually started and ceased to exist. Some are still operating in name; however, they do not have any connections to companies that originated in the United States.—Randy Jaye

Idaho

153. IDAHOROLOGICAL

LOCATION: Varies in the Ketchum, ID, area

WHEN: Third Sunday of even-numbered months

MEMBERSHIP INFORMATION: Ira Goldstein, 208.853.2062

EMAIL: bsuperg@icloud.com

AUGUST MEETING: Members of Idahorological Chapter 153 met at the home of Jim Rineholt and Carol Cole in Hailey. Thank you for hosting and presenting a wonderful program!

President Ira Goldstein opened the business meeting. Ten members were present. The minutes of the previous meeting as well as the treasurer's report were approved.

We will be holding a mart table and show and tell will be the letter S at the next meeting.

We held a discussion as to whether or not we should keep the storage unit. It would save a considerable amount of money if we let it go. We have all decided to keep it for now.

Barbara and Ira Goldstein shared about their trip to the National Convention in Hampton, VA. Barb went to the tower clock meeting and joined their Chapter. Be sure to get all your tower clock questions to her!

SHOW AND TELL: Ira Goldstein brought a Tudor Ranger watch & Rolex's lesser wristwatch. Barbara Goldstein showed a Ross Perot watch. Jim Rineholt presented German Rope clock and a Ramond 18-size pocket watch by Elgin. Sheri Partyka showed a resin clock by Lux. Neil Partyka brought a real train engine sounding locomotive alarm clock. Finally, Terry Freed shared about a missed opportunity to win a \$50 Rolex in New York City.

AUGUST PROGRAM: For our program, Jim Rineholt showed us his repair of a Seth Thomas Sonora chime clock.

It was a fabulous presentation and the pictures of the process were phenomenal! The challenges he faced and effort he put into it really makes us proud of the fine workmanship of our fellow horologist. —Sheri Partyka



Chapter 153 members at the August meeting.

Indiana

83. PEACE PIPE

LOCATION: St. John Township Community Center, 1515 Lincoln Hwy., Schererville, IN 46375

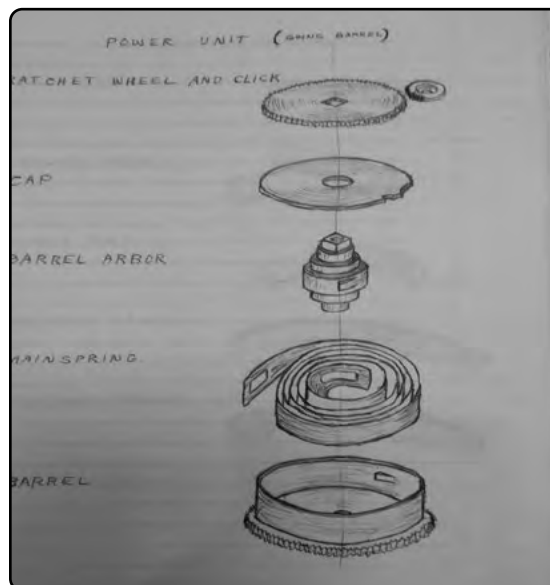
WHEN: Second Monday of each month, 7 p.m.

MEMBERSHIP INFORMATION: Raul Rodriguez

EMAIL: rxrodr1@yahoo.com

JUNE MEETING: Chapter 83 President Jerry Tiemens called the June meeting to order. The minutes from the last meeting were read and accepted by vote. There was a lot of discussion about sponsoring an informational. Several options were available: in Chesterton, Merrillville, and Portage. It was decided by vote to have an informational on Saturday, August 21, 2021, at Portage. We will generate flyers and Paul Jancarich will distribute them at local businesses. The reasoning for the informational was based on our decision to not have a mart in 2021. Ideas were offered on teaching activities for next month; a possibility is gear-tooth replacement.

There was a discussion on retaining officers. A motion was proposed by John Wagner, as an incentive for the president's office, to have the Chapter pay the annual National dues for the sitting president. The motion was seconded by Harry Murray and passed by vote.



One of Norm Krueger's hand-drawn diagrams showing the details of a watch mainspring from Chapter 83's July class.

SHOW AND TELL: The letter for this month's show and tell was "V." Paul Kwiatkowski brought a Vulcain women's mechanical watch, Swiss-made.

JUNE PROGRAM: The meeting was followed by a special presentation by Paul Kwiatkowski of unusual, beautiful watches. Among them was a tourbillon and a minute-repeater that rang the hour, the quarter-hour, and the minutes past the quarter-hour. An Arnex pocket watch with an alarm music box has compli-

cations that animate a damsel drawing water from a fountain, and a gentleman raising a hawk on his arm while his horse lowers his head to drink water from the fountain. Even the water was animated. It was a beautiful display.

JULY MEETING: Chapter 83 President Jerry Tiemens called the July meeting to order. The minutes from the last meeting were read and accepted by vote.

There was a mart update. Flyers were generated for our Chapter-sponsored informational on August 21 at Portage, IN (Portage Historical Society, 5052 Highway US 6, Portage, IN [219] 762-8349). Paul Jankarich spoke to the principal, and just noted we need to get final board-approval next week.

A letter was read from the National office thanking us for the contribution on behalf of our Chapter to help with the 2021 National Convention.

SHOW AND TELL: The letter for July's show and tell was "W." Paul Kwiatkowski brought printing plates used in an article about Paul's horological business and his history from the *Kankakee Daily Journal*. Paul also shared photos of a rare watch that he saw at an auction he assisted in. This European-purchased watch was hand-made by Abraham Louis Breuget. The watch had a stop-works mechanism on it. Paul also brought a Wakmann Swiss watch. While only a 17-jewel automatic, this was a lot for that time period. It has an INCA-block, anti-magnetic, rated for water-resistance to 662 ft with a screwdown crown. Fred Schrum, John Wagner, and Jerry Tiemens also shared various pieces with us. Bob Miller educated us with some history on Revere Electric Clock Co. It was formed by Walter Hershede, and eventually bought by GE. This interest was sparked by a repair job that he undertook, and which had an interesting procedure for setting the chime and strike mechanism.

EDUCATION SEGMENT: Norm Krueger shared with us his repair techniques related to a swinger clock that was brought last month by John Wagner. It took a lot of small operations that added up to make an efficient, balanced movement. Multiple steps were performed from the mainspring-arbor to the verge to the pivoting posts. Norm also shared tools and techniques used to adjust pocket watch bows. —Raul Rodriguez



Chapter 29 members David and Emily Lewis, top, and ship's bell clocks and parts, bottom.

Iowa

29. IOWA-ILLINOIS

LOCATION: Gwen's Restaurant, 119 W. Main St., Lisbon, IA 52253

WHEN: November 21

MEMBERSHIP INFORMATION: Mark Butterworth, 5300 59th Ave. W, Muscatine, IA 52761

EMAIL: bci@muscanet.com

JULY MEETING: Eighteen members of Chapter 29 attended the July 18 meeting. David and Emily Lewis brought three Kroeber Angel Swing clocks and gave a very interesting presentation highlighting Florence Kroeber's life and listing many of his contributions. Kroeber held a number of patents that improved either the production or performance of clocks. One thing that I found particularly interesting was that Kroeber would contract movements from various manufacturers and then stamp his name on them. He also did the same with clock cases. The cases were either manufactured to his own design or embellished after their purchase. David also told the story of their three clocks. He described where he purchased them, the condition they were in, and what steps he has taken to restore his examples. David and Emily's presentation held our attention for almost an hour if you include the numerous questions David answered. At the conclusion of his presentation, David acknowledged that Emily was responsible for the

pictures and PowerPoint presentation. Several members agreed that spouses' support for their hobby was a crucial part of their hobby.

Following the program, members who brought clocks were encouraged to talk about what they had brought. Charles Cline spoke briefly about his two Kroeber clocks. Dennis Roberts spoke briefly about the china clocks and mantel clocks he had brought. Marilyn Swanson had a table full of ship's bell clocks and various parts that included Chelsea dials and cases. It seems the mart at our meeting always includes tools, parts projects, and clocks and watches that are ready to take home and enjoy. Mark Butterworth reminded us that we had several veterans attending our meeting so we acknowledged Bob Burr for his service during the Korean War and Roald Zvonik for his service during World War II. Chapter President Denny Roberts lead us in prayer before a delicious buffet provided by Gwen and her staff. The next meeting will be on November 21 at Gwen's in Lisbon, IA. —Gary Wolber

Kansas

36. HEART OF AMERICA

LOCATION: St. Peter & All Saints Episcopal Church

WHEN: Second Sunday of even-numbered months, 1:30 p.m.

MEMBERSHIP INFORMATION: Joe Loar, 1215 Redbud Lane, Belton, MO 64012-1946; 816.322.6121

EMAIL: clkbug@yahoo.com

WEBSITE: <https://new.nawcc.org/index.php/chapter-36-heart-of-america>

AUGUST MEETING: Acting President Thaine Damman presided over the meeting, in which 25 members and one guest attended. This was the first meeting of the Chapter since February 2020. The 50/50 drawing, officiated by Wayne Andrews, was won by Bob Chester; the Education Fund increased by \$21.

Thaine welcomed all to the meeting and thanked Harry Firth for providing a cake in celebration of our Chapter being able to meet in person again since the pandemic interrupted our meetings. The membership discussed and approved a new location for the Chapter's meetings: St. Peter & All Saints Church.

The Nominating Committee was reconvened to seek members to serve as an officer



Chapter 36 members Thaine Damman (left), Joe Loar (center), and Harry Firth (right) look on as Wayne Andrews talks about his Waterbury iron-front clock.

of the Chapter for calendar year 2022–23. Harry Firth, as the immediate past president, will serve as the committee's chair. Members of the Nominating Committee are Lisa Shepard, Joe Loar, and Wayne Andrews.

SHOW AND TELL: Wayne Herrmann presented a very intriguing movement that can only be described as a Pinwheel-Morbier. He was hoping for answers as to its history, but no one had seen one like it before. Larry Boucher showed a small Terry clock and a most interesting piece of memorabilia, a Whizzo the Clown's pocket watch, used on the set of his TV show. Many members grew up watching his show. Lisa Shepard displayed a very nice Waltham ship's clock. Wayne Andrews brought a Waterbury iron-front clock. Florent Wagner showed a ladies' automaton dresser clock with a painted ivory dial.

AUGUST PROGRAM: Micheal Roberts generously donated a truckload of clocks and parts. These items were dispersed to members through a fun and fairly fast-paced Dutch auction – the auctioneer was Joe Loar. A total of \$1,198.00 was raised and will be added to our Chapter's Education Fund.

IN MEMORY OF: We lost Jerry VanLanker and Tim Busenbark during the 17-month hiatus. A memorial contribution was sent to National for each.—Greg Gould



Chapter 63's Treasurer Kevin Holloway presented the July program titled "Unusual Contemporary Clocks & Other Stuff."

63. SUNFLOWER CLOCK WATCHERS

LOCATION: Woodland United Methodist Church, Pathfinders Room, 1100 W. 15th St. N, Wichita, KS 67203

WHEN: First Friday of each month, 7 p.m.

MEMBERSHIP INFORMATION: Jim Price

EMAIL: reservistsrcool@yahoo.com

JULY MEETING: Chapter 63 met on July 9.

SHOW AND TELL: Larry Robinson shared a handsome cast-iron Ansonia black mantel clock with real brass decorations (as opposed to plated pot metal) and noted that it was for sale. Dennis Cooper shared a Barre electromagnetic clock under a glass dome. J.D. Unruh shared a 2001 Chapter 63 roster.

JULY PROGRAM: Treasurer Kevin Holloway presented Chapter 63's July program titled "Unusual Contemporary Clocks & Other Stuff." Kevin showed six clocks and three non-clocks that he has constructed from kits in the recent past and explained how each works/tells time. He noted that some rely on AC power for accuracy versus quartz as well as some things that influence the accuracy of quartz. It was an entertaining and informative program.

AUGUST MEETING: Chapter 63 met on August 6.

SHOW AND TELL: Dennis Cooper shared a George B. Owen Argus kitchen clock. Owen made clocks from 1864–79, making this a rare find. Nathan Beals shared a 12-size, 7-jewel Elgin pocket watch from Chapter President Jim Price's family.

AUGUST PROGRAM: Fellow Norma Ciskowski presented the program titled "Public Clocks Visited by Mike & Norma." Norma shared photos of several tower clocks from Kansas county courthouses and the Wichita-Sedgwick County Historical Museum as well as public clocks visited in other parts of the United States. —Stev Overstreet

Michigan

101. WESTERN MICHIGAN

LOCATION: St. Paul's Church, 2560 Lake Michigan Drive NW, Grand Rapids, MI 49504

WHEN: First Saturday of even-numbered months

MEMBERSHIP INFORMATION: Robert Pulsifer, 517.213.9324

EMAIL: pulsifr2@sbcglobal.net

WEBSITE: <http://net.nawcc.org/chapter101>

AUGUST MEETING: Twenty-six members and guests of Chapter 101 gathered on Saturday, August 7 at St. Paul's

Anglican Catholic Church in Grand Rapids. Doors opened at 9 a.m. for mart setup. Items for sale included a bag of 400-day miniature suspension guards, a handsome black mantel clock, a veritable library of used books and ephemera of horological interest at favorable prices, and a gaggle of wristwatches. The watch contest was for pocket watch chains, either leather or metal. Clark Strobel took first place while Sue Ellison captured second. Travel watches competed in August's watch contest. Clark Strobel took his second gold with a first-place finish while Therese Lynema took a silver.

AUGUST PROGRAM: Andy Dervan presented August's program on the Differential Clock Co., which operated out of Grand Rapids for part of its existence. Pat Loftus lent the program a working example of a movement that was the type used in the jeweler's regulator case. The membership thanks Andy and also Pat for another interesting and well-researched program. Those wishing to know more about Chapter 101 and its happenings are encouraged to check out our web presence at <http://nawcc.org> or to contact President Jon Start at (269) 345-3726.—Richard Weideman



Chapter 101 member Pat Loftus's movement found in a Differential Clock Co. jeweler's regulator.

Minnesota

20. MINNESOTA—OSCAR T. LANG MEMORIAL

LOCATION: Various restaurants in the Minneapolis-St. Paul area

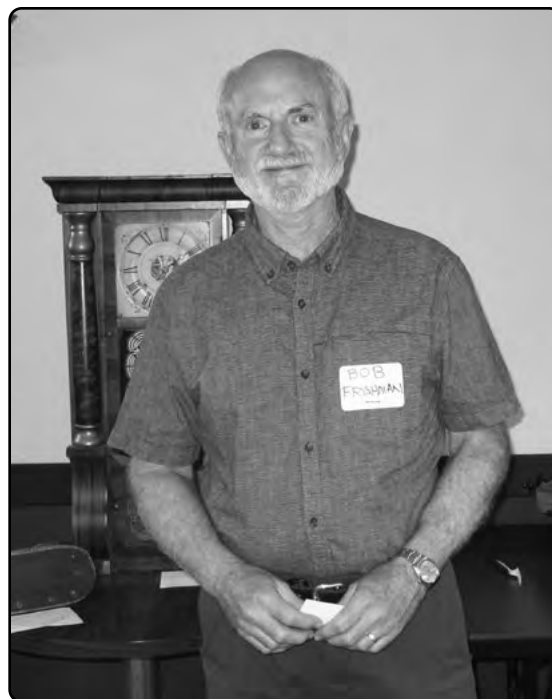
WHEN: Third Saturday of odd-numbered months

MEMBERSHIP INFORMATION: Darold Hanson, 16621 Gunflint Trail, Lakeville, MN 55044

EMAIL: dhanson@mninter.net

WEBSITE: <https://Minnesotawatches.com/otlang>

JULY MEETING: Thirty-eight people, including three new people, attended the July 31 meeting at David Wong's restaurant in Bloomington, MN. The meeting was presided by Chapter President Gary Anderson. Jerry Renk and Diane Hanson served as hosts.



Chapter 20's July speaker, Bob Frishman.

The business meeting was conducted by Chapter President Gary Anderson.

JULY PROGRAM: Bob Frishman presented "Horology 1776." This talk is a lead-up to the Ward Francillon Time Symposium he has organized to be held in October in Philadelphia. Bob's talk highlighted stories of clocks, watches and timekeeping during the American Revolution.

Bob started out by showing a print by Paul Revere depicting the Boston massacre. In the background a tower clock and a wall-mounted sundial are visible. However, the time was wrong in the original so a reprint was made. Some of the famous stories of the Revolution were the horseback rides of Paul Revere and William Dawes. In the course of evading pursuers, Dawes fell off his horse and lost his watch. Three days later he found it!

Bob discussed a few of the items in the Concord Museum's collection. The Concord Museum acquired a clock from the historically significant Buckman Tavern; however, it was the movement only. Minutemen gathered at the tavern while awaiting the British before the battle of Lexington and would have been in the presence of this clock. A local craftsman made a period-correct case for it. The museum also has a watch from a British officer. Bob noted that watches acted as a kind of de facto currency, as paper money was often suspect

and easy to counterfeit. The museum also has a musket ball that killed General Joseph Warren at the battle of Bunker Hill. Bob then showed a picture of the Benjamin Willard clock that Warren commissioned. He also remarked that more clocks carry the "Willard" name than were actually made.

Bob noted a few horological connections to Benjamin Franklin, including a miniature portrait with a clock in the background. Another horological connection to Franklin is a three-wheeled clock designed by him with an interesting dial where the hour markers are arranged in three concentric circles with four hours displayed on each circle. The clock was made for him by John Whitehurst in England. Colonial clockmaker Edward Duffield also made clocks for Benjamin Franklin, and currently Bob is doing research for a book he intends to publish about Duffield.

Another horological story connecting horology with the Revolution concerns a watch conferred by George Washington to General Lafayette. Lafayette was later invited back to the United States by President Monroe to embark on a tour. Lafayette returned in 1824 and his tour lasted until 1825, but apparently somewhere along the way his watch was stolen. Many years later the watch was discovered and returned to his heirs. However, the engraving on the "discovered" watch would appear to be from the 1830s so perhaps the story was cooked up.

Bob has around 18 speakers lined up for the Symposium, the details of which can be found at <http://www.horology1776.com/speakers>. Emily Akkermans, curator at the Greenwich Observatory National Maritime Museum, will give the James Arthur lecture titled "Timekeeping in the British Navy during the American Revolution."—Steve Scidmore

Missouri

57. OZARK

LOCATION: Varies

WHEN: First Sunday of even months, 1:00 p.m.

MEMBERSHIP INFORMATION: Ruth Overton

EMAIL: rwoverton@att.net

AUGUST MEETING: Due to COVID-19 shutdowns, our regular meeting facility has been closed since March 2020. As there has not

been anything available in our area, we have been meeting, weather permitting, in city parks. We met in June and August at the home of Hugh and Ruth Overton. We are hoping to be back at our regular facility this fall, Southwest Missouri Bank Community Center in Duquesne, MO.

After a small but active mart, the business meeting was spent going over final details for the MKOA Regional, hosted by Ozark Chapter 57, September 16–18 at the Memorial Hall in Carthage, MO.

New Chapter officers serving through March 2023 are Ruth Overton, President; Steve Lingenfelter, Vice President; Justin Overton, Secretary-Treasurer.

We welcome the following new members: Doug Crabtree, Richard Sappington, Dominic Sappington, and David Pilkerton.

SHOW AND TELL: Ron Rosencrans showed an Ansonia, Plush Series, Florentine, Model No. 1 clock that was given to him to use for parts. Needless to say, it is not going to be used for parts. He also showed the front for a cuckoo clock carved by a friend.

AUGUST PROGRAM: Steve Lingenfelter gave our program on his technique for polishing brass clock weight shells. Steve suggested that you check first to determine if the shells are solid brass or just brass plating over steel or aluminum. He uses an electric or battery drill and hole cutters. Find the hole cutter that is a firm fit in the clock weight cylinder. Wrap a thin piece of foam around the cutter. Insert this into the cylinder and spin. In your other hand you hold a piece of cotton like Wizard Metal Polish. When you are satisfied, then buff off with a clean soft cloth.

IN MEMORY OF: Our Chapter is very sad to say goodbye to two of our members who passed away in July. George Orr, Past NAWCC board president, was always a super strong supporter of our Chapter and the MKOA group.

We helped Chapter member Kenneth Young celebrate his 100th birthday in April. He was a very faithful Chapter meeting attendee. He drove himself several miles to our meetings up until two years ago, after which another member brought him. —Ruth Overton



Some of the clocks on display at the Eastern States Regional.

New York

55. CENTRAL NY

LOCATION: Homer Center for the Arts, 72 S. Main St., Homer, NY 13077

WHEN: Sundays (dates vary) in February, April, June (picnic meeting), and November; cosponsor of the Eastern States Regional with Chapters 13 and 33

MEMBERSHIP INFORMATION: John Wyman, 315.243.1468

EMAIL: jwyman1@twcny.rr.com

WEBSITE: <https://new.nawcc.org/index.php/chapter-55-central-new-york>

REGIONAL RECAP: With deference to all of the current health concerns, careful planning for the 2021 Eastern States Regional (ESR) was key, and we can report that based on all evidence to date that it was an unqualified success. It was wonderful to see everyone again and talk about the topics we like the best—clocks and watches. A total of 358 individuals attended, including 22 members of the public, perhaps a total 25% less than "normal." We expected attendance to be down due to health concerns, and indeed a number of long-time attendees called to give their regrets that they would not be able to attend. Additionally, with issues at the Canadian border crossing, a large group of attendees, volunteers, and workshop demonstrators who usually attend from Toronto Chapter 33 were unable to come,

which was a big loss and disappointment. All of our 174 tables were sold, although perhaps five remained empty when the doors opened after several registrants chose not to attend, which we anticipated under the circumstances. While Upstate New York remains "better" than many other areas, Central New York was nonetheless under an indoor mask advisory for all participants, and compliance was very good. The mart was extremely busy, and virtually all comments were to the effect that both buying and selling were active. We were honored to have researchers and experts Paul Foley and John A. Delaney curate and present our outstanding exhibit entitled "Ingenious Artist: Simon Willard and his Patent Time Pieces." Thirty important and rare time pieces, more commonly called "banjo clocks," were featured, and the history of Willard and these clocks was presented by John Delaney as our main lecture and through two separate walk-through sessions in the exhibit room. On Saturday morning, seven 1.5-hour workshops covering watch and clock repair, gold leafing, and reverse glass tablet reproduction were presented, with over 75 participants. Three special interest Chapters—Electrical Horology Chapter 78, International 400 Day Clock Chapter 168, and Tower & Street Clock Chapter 134—held group meetings on Friday afternoon, and the Chapter 134 meeting featured a program by Phil D'Avanza entitled "Restoration of a Reeve & Co. Tower Clock, South Church, St. Johnsbury, VT." Two evening

programs for participants were offered, including Joel Warren on case work projects and techniques, including a Seth Thomas Office Calendar No. 11 that won a previous NAWCC National Convention People's Choice Award, and Jonathan Rowe, who gave a great presentation on the current state of the market on wristwatches titled "Purchasing Wrist Watches – The Black & White and Grey (Market)."

—Janet Oechsle

84. MID-HUDSON

LOCATION: Freedom Plains Presbyterian Church, 1168 NY-55, Lagrangeville, NY 12540

WHEN: Second Saturday of even-numbered months

MEMBERSHIP INFORMATION: Mark Nathanson, 845.592.0065

EMAIL: tictocmark@hotmail.com

WEBSITE: <http://net.nawcc.org/chapter84>

JULY MEETING: Our Chapter held its annual picnic at a local state park, under perfect weather conditions. Forty-two members, guests, and friends from neighboring Chapters were on hand to participate in a successful mart, which included several timepieces as well as a large assortment of horological tools, accessories, and parts. A highlight of a show and tell session was Jerry Maltz's circa 1890 Fitzroy storm glass barometer. Jerry told us that Robert Fitzroy was not only a distinguished scientist and meteorologist who devised the first practical seagoing barometer, but Fitzroy also gained fame as the captain of the *HMS Beagle*, when Charles Darwin sailed around the world.

At noon, participants gathered for a picnic lunch, completely devouring 15' of sub sandwiches, together with several salads, snacks, and beverages. Longtime member Steve Zuchtmann won our 50-50 raffle.

—Mike Graham

North Carolina

17. CAROLINA

LOCATION: Lexington-Memorial Masonic Lodge, 468 Central Ave., Lexington, NC 27292

WHEN: Fourth Sunday of every other month beginning in January; mart, 8:30 a.m.; classes, 9:15 a.m.; meeting, 11 a.m.

MEMBERSHIP INFORMATION: Lyall Shroeder

EMAIL: lyallsch@gmail.com



Chapter 84's Jerry Maltz and members observing the antique Fitzroy barometer.

WEBSITE: <https://new.nawcc.org/index.php/chapter-17-north-carolina>

JULY MEETING: Our July 25 meeting was successfully held in Lexington, NC, with 33 attendees. An active mart was held with plenty of items and even a "free" table. James Layton won the door prize this meeting, and Paul Richmond won the 50/50 drawing.

We held a short business meeting, where some members were recognized for their part in Chapter 17's contribution to the recent National Convention. David Pendley reported 15 in attendance for the clock class, investigating strike trains.

JULY PROGRAM: The program this meeting was our own Don Whittaker who gave the Chapter an in-depth look at an Isaac Jackson tall case clock, circa 1762–75. This is a clock Don has been maintaining for 36 years in four homes. The case is 88" tall and made of walnut and has its hand-engraved dial. It is believed to be one of 28 surviving examples.

Don's presentation covered the case square-peg and dovetail joinery construction as well as the movement and its history of fixes and un-fixes. The sand-cast brass movement plates still show their layout lines for positioning of the arbor holes and other construction techniques of this 30-hour movement. The hand-forged components still survive. It was a pleasure to learn about this 200+ year-old clock.

CORRECTION: In the September posting of the May meeting, Don Whittaker's name was written as Don Whittington. We apologize for the error.

UPCOMING CHAPTER EVENTS: Save the date for our future meetings: November 28, 2021, and January 23, 2022.

Please note Chapter 17 is attempting to

provide meeting notices only by email. If you desire a notice, please ensure that the Chapter Treasurer has your current email.—Terry Hall

Ohio

23. BUCKEYE

LOCATION: VFW Hall in Piqua, OH

WHEN: December 4, 2021

MEMBERSHIP INFORMATION: Peggy Goodwin, 513.677.9066

EMAIL: PJGoodwin@fuse.net

WEBSITE: <https://new.nawcc.org/index.php/chapter-23-buckeye-23>

AUGUST MEETING: The Buckeye Chapter welcomed 55 members and their guests to the Moraine Civic Center for our annual potluck grill out and tailgate mart. It was such fun to see so many old friends who hadn't been to a Chapter meeting in a good long while, and to meet some new friends who had recently joined the NAWCC or who came as guests of our members. It was a little warm in the parking lot for the tailgate, but still lots of interest and spirited activity happening there. And lots more action was inside the building as members moved indoors to set up their displays. Whether you were inside or outdoors, there was plenty of great conversation, camaraderie, and the sharing of ideas and information – it's what we're all about!

Topping off the afternoon's activities was our Grill Master Tim Rawlings serving up some mighty good, done-to-perfection burgers, brats, and hot dogs. Pair those with all of the side dishes and desserts contributed by our members and . . . well, if you went away hungry, then you must have gone to the wrong event!

Congratulations to the existing slate of officers who were reaffirmed to their leadership positions: Earl Harlamert, President; Craig Ankeney, Vice President; Peggy Goodwin, Secretary; and Ness Ball, Treasurer. Congratulations to Dan Bowers who was re-elected to the Board of Directors, and welcome to Steve Baker, newly elected to serve a two-year term as Director. Our sincere thanks to Bill Bergman as he leaves the Board. To all of you, the Chapter greatly appreciates your willingness to serve the organization in a leadership capacity; we value and benefit from your insights, perspectives, and good judgment.



Chapter 158 speakers Don and Eileen Muzyka at the July meeting.

IN MEMORY OF: The Chapter would like to remember longtime member Charles Bevins, who passed away on May 5 and his wife, Barbara, who passed a few weeks earlier on April 21. We extend our deepest sympathy to the Bevins family in their loss.

UPCOMING CHAPTER EVENTS: Our next regular Chapter meeting/mart at Moraine Civic Center is on Saturday, December 4.

—Peggy Goodwin

Pennsylvania

158. KEYSTONE

LOCATION: Hoss's Steak and Sea House, 61 Gettysburg Pike, Mechanicsburg, PA. 17055

WHEN: Third Wednesday of odd-numbered months; mart, 5:00 p.m.; dinner and program, 5:30 p.m.

MEMBERSHIP INFORMATION: Karen Laning, 480.544.5501

EMAIL: karenlaning5552@gmail.com

JULY MEETING: Chapter 158 met at Hoss's near Mechanicsburg, PA, on July 21 with about 30 members, spouses, and guests in attendance.

Following a small mart, orders were taken for dinner, and then announcements. We



Chapter 42's August presenters Tom Manley, left, and Bill Rotmeyer, right.

were saddened by the passing of Eric Kramer, a longtime Chapter member.

Mid-Eastern Regional Chair Lee Davis reminded Chapter members to volunteer and help Chapter 1 once again host a quality convention on November 6–7, 2021, at the York Expo Center.

Speakers for the evening were Don and Eileen Muzyka, who told about their many adventures in clock collecting since the 1960s. Chapter members enjoyed their photos along with tales of their finds and experiences.

President Wayne Laning announced that Tom DePrez is stepping forward to fill the vacant Chapter Vice President position, which was greeted with a sincere round of applause.—Lee Davis

Tennessee

42. TENNESSEE VALLEY

LOCATION: Bradbury Community Center, 3343 Buttermilk Road, Kingston, TN 37763

WHEN: First Saturday of even-numbered months

MEMBERSHIP INFORMATION: Pat Manley, 865.675.2084

EMAIL: pmanley@charter.net

AUGUST MEETING: On August 7 we had 19 members present for our first in-person meeting in 1 ½ years! It was so good for us to be

able to visit with each other again.

Chapter President Russ Youngs conducted our usual business meeting. One of our members, Dawn Thomas, will be pursuing the “Meet Up” program available online for six months. This is an online effort to increase participation in our Chapter.

Our potluck luncheon, with lots of friendship, was enjoyed by everyone!

AUGUST PROGRAM: Chapter 42 Vice President Anthony Manis introduced our two speakers for the program. Bill Rotmeyer and Tom Manley gave a presentation on Dutch Stoel wall clocks. They each brought their own clocks. Bill’s three-year-old clock is referred to as a wall clock. Bill provided two short videos of manufacturing facilities that build these clocks. Tom’s 18-year-old clock was a Frisian/Stoel clock, in Dutch meaning “chair wall clock.” Elaborate hand-embroidered dust cloths covered the tops each clock, even though they were made by different manufacturers in the same region. Tom’s actually had two Bible verses embroidered on it. Each of these clocks were built based on Tom and Bill’s specifications. The program was quite interesting and the clocks were outstanding!

We would love to have you join us for one of our meetings. Please feel free to contact Pat Manley for further information regarding our Chapter. —Pat Manley



Clocks at Chapter 48's July meeting.

48. KING COTTON

LOCATION: Junior League Building, 3475 Central Ave., Memphis, TN 38111

WHEN: Second Sunday of odd-numbered months except May; mart, 1:30 p.m.; regular meeting, 2 p.m.

MEMBERSHIP INFORMATION: Ray Smith, 901.272.0939

EMAIL: RSmithtn@hotmail.com

JULY MEETING: Chapter 48 President Calvin Flowers called the July meeting to order. We had 12 members present today. Everyone welcomed new member Sean Carroll. Thanks to all who attended.

JULY PROGRAM: Calvin Flowers showed a video by Richard Cox of Texas. Richard reviews his parts-making techniques. Several members have used him for years to replace gears, barrels, and re-pivoting. He showed some of his award-winning clocks from the Nationals. Link to video: <https://vimeo.com/407779302>

Charlie Gallagher brought four watches. Charlie's display included a Baal watch and a 3-disk Invicta watch.

Jack Stover brought five French clocks that he has repaired and restored. Jack provided information on how to determine the date of the French clock. Two of the clocks were tortoise shell clocks. The largest clock was a French mid-18th-century clock.

John Williams brought three movements and five gears. One movement was a Sonora chime movement. The two other movements were Seth Thomas 89 movements. John explained how the Sonora chime movement and one of the Seth Thomas 89 movements worked together. John also explained how he

repaired and made gears.

Glen Weeks brought watch fobs that he picked up at estate sales. —Ray Smith

Texas

15. SOUTHWESTERN

LOCATION: Pok-E-Jo's Restaurant, 2121 Parm-er Lane, Austin, TX 78727

WHEN: Third Saturday of each month

MEMBERSHIP INFORMATION: Pat Holloway

EMAIL: patricia.w.holloway@gmail.com

WEBSITE: <http://www.nawcc-chapter15.org/>

JULY MEETING: After over a year without in-person meetings due to COVID-19, a good group attended the July 17 meeting. This was an informal meeting with time for each attendee to show and tell about their horological findings/purchases since our last meeting almost 18 months ago. Attendees enjoyed the time catching up and sharing.

AUGUST MEETING: At the August 21 meeting, Jay Holloway presented an overview on keys to setting up various 2- and 3-train clocks. He brought four different types of movements for the members to activate and watch the interactions of the gears and levers. Comparison of these different movements enabled attendees to see that the traditional guide for striking clocks, which has three levers with two falling into a valley and the third catching a pin to stop the strike, is not true for all striking clocks. He covered why they vary and the concept for each type.

Regarding three-train Westminster chime clocks, the focus was on stop pin locations and their relationship to the multiple cams when correctly synchronized. A critical factor in a three-train chime clock movement working properly is the relationship between the alignment of the stop pin, the cam, and the lift arm on the chime rods. Also covered was the relationship of the strike cycle with the gathering pallet and leaving the strike lever in detent position for operation.

In addition to the movements, Jay showed videos to demonstrate and follow the movement of each part throughout the striking and chiming cycles. The combination of hands-on with a variety of movements and video demonstrations was very effective in explaining a process that can be confusing.

—Pat Holloway



The custom quilt auctioned off at the All-Texas Regional.

139. SAN JACINTO

LOCATION: Varies due to COVID-19

WHEN: Second Saturday of the month, 8 a.m.-noon

MEMBERSHIP INFORMATION: Jeff Zuspan

EMAIL: jjzuspan61@sbcglobal.net

WEBSITE: chapter139.com

REGIONAL RECAP: It's been two years since our last All-Texas Regional and the excitement was high. There was great energy throughout the mart room. Marcus Bush hosted a statue clock exhibit thanks to the generous contributions from Chapter members. We had a robust slate of presentations, with some being standing room only.

We are happy to report there were no injuries sustained during our patented "It's For Free" table. Those that have experienced this event know that they can get pretty western sometimes. Truly, one man's trash is another man's treasure.

The silent auction, with more than 50 clocks and watches, was well attended with spirited bidding right to the last call. We finished with a live auction for a custom quilt, handmade and donated by Eileen Egloff. It was patterned after an E. Howard No. 2 Banjo clock. The bidding was active with two bidders calling in via phone. Congrats to Jeff Zuspan, the winning bidder.



Chapter 34 President Lee Fischer passing out door prizes at the August meeting.

We appreciate everyone who made this such an exceptional event. A special thanks to our vendors, presenters (Richard Cox, Ralph Pakluda, Jim DuBois, and Jay Dutton), volunteers, sister Chapters, and long-time friends. When we finally loaded out the last attendee, we took a deep breath and reflected on how thankful we were to see old friends and to enjoy the hobby we love.—Steve Egloff

Virginia

34. OLD DOMINION

LOCATION: Holiday Inn Gateway, 515 Bypass Rd, Williamsburg, VA

WHEN: Second Sunday of even-numbered months

MEMBERSHIP INFORMATION: Judy Draucker

EMAIL: jtdraucker@gmail.com

WEBSITE: <http://www.nawcc-ch34.com/>

AUGUST MEETING: Twenty-four members and guests attended Old Dominion Chapter No. 34's August 8 meeting. This meeting was held after the NAWCC National Convention in Hampton, VA, that was held July 15 – 18, 2021. Judy Draucker, co-chair of the National Convention and also our Chapter Secretary, congratulated the Chapter members who participated in making the National Con-



From left, Old Timers Lee Davis No. 11,096, Gerald Rogers No. 8,207, Van Worrell No. 14,268, James Kane No. 14,505, and Aubrey Wilkerson No. 6,846.

vention a success. With the Delta version of COVID-19 ramping up, some members wore masks and the seating was spaced to provide approximately 6 feet between members. Vice President Rick Robinson discussed the next Mid-Eastern Regional and the hope that members would step up to fill Chapter officer positions when they became empty.

The mart had a large selection of wrist-watches and pocket watches, watchmaker and clockmaker tools, and a few clocks. Our Chapter exhibit had a Howard wristwatch that “radio synced” with the “exact” time from Colorado, an 1883 Ansonia parlor clock, a wood movement with staples to repair lost teeth, an early Waltham circa 1916 Army aircraft clock marked “A.S.S.C.” (Aviation Section Signal Corps) of the type used by Lindberg on his solo flight across the Atlantic, and a collection of railroad watch ephemera. Chapter member Jeff Wilson, who exhibited the wood movement, was the winner of a free lunch.

AUGUST PROGRAM: The program was a visit to The Mariners’ Museum in Newport News, VA, for a behind-the-scenes tour of the chronometer collection at the museum. Nineteen members took the trip from Williamsburg to Newport News to participate.—Ed Fasanello

Special Interest

22. OLD TIMERS AND FELLOWS

LOCATION: Annual luncheon at National Convention

WHEN: National Convention

MEMBERSHIP INFORMATION: Janet Oechsle, 5 Clinton St., Homer, NY 13077

CHAPTER UPDATE: The annual Old Timers and Fellows Luncheon was held on July 17, 2021, at the National Convention in Hampton, VA. Our President and Co-Chairman of the Convention Judy Draucker welcomed the large group and commented on how exciting it was to see all our friends together after two years. Judy thanked everyone for their support and for attending our luncheon. Next, Judy introduced Bob Frishman, Chairman of the Ward Francillon Time Symposium, and he described the marvelous event, “Horology 1776,” to be held in Philadelphia, PA. The program will cover the clocks, watches, and other time-keeping instruments used during the American Revolution. The lectures will not only come from an American perspective but also the English, French, and Hessian viewpoints.

Judy then introduced all Old Timers present: Aubrey Wilkerson No. 6,846, Gerald Rogers No. 8,207, Lee Davis No. 11,096, Van Wor-



Chapter 78 presenter Bill Ellison.

rell No. 14,268, and James Kane No. 14,505. Secretary/Treasurer Janet Oechsle handed out her meeting minutes and financial statement for 2019–21. Janet noted the Chapter donated the pens for the Convention attendees. The basket was passed around the luncheon group and offerings went to cover Chapter 22 donations this year.

CHAPTER PROGRAM: Chapter Vice President Lee Davis introduced Alan Bomar, a historian and volunteer who maintains the two tower clocks at Fort Monroe, VA. The first clock he described is located in the Fort's Post Office and Custom House, and is a well-documented 4-dial face Seth Thomas Model 5 dating from 1898. The second is a Seth Thomas Model 15 striker and is located in the Post's Main Barracks building. Records indicate it was ordered by the US Government for Fort Monroe in the summer of 1810. Both clocks are wound weekly by a team of volunteers. —Janet Oechsle

78. ELECTRICAL HOROLOGY SOCIETY

LOCATION: NAWCC National Convention, Various Regionals meetings

WHEN: Same as above

MEMBERSHIP INFORMATION: Harvey Schmidt, 75-80 179th St., Flushing, NY 11366 or Martin Swetsky, 15 Hummingbird Ln., Whiting, NJ 08759

AUGUST MEETING: Bill Ellison conducted a Chapter 78 meeting at the Eastern States Regional meeting at Syracuse, NY, on August 20. Various topics were considered. Bill showed a General Electric alarm clock with the same

dial on both the front and back of the clock. This clock was manufactured on the 75th anniversary of General Electric, and it was meant for use between twin beds with a separate alarm for each side. Unfortunately, my camera could not display both sides of the clock in one picture!

Bill continued by describing a method for restoring the function of Telechron rotors. Many repairers attempt to drill holes in the rotor to insert oil. This can result in fragments of metal dropping into the rotor. Bill restores rotors by placing the rotor in a shot glass in a refrigerator. After he removes the shot glass from the refrigerator, the rotor warms up, and air pressure inside forces the old oil out of the rotor along the output shaft. After this process is repeated several times to remove all of the old oil, the process is reversed with fresh oil placed around the output shaft. Bill then places the rotor in a refrigerator to cool, causing the new oil to be drawn in along the output shaft. After several repetitions of this reverse process, the rotor is tested.

The meeting concluded with Pat Loftus discussing his outstanding mounted visual display of many of the varieties of rotors manufactured by Telechron.—Frank Servas

168. THE INTERNATIONAL 400-DAY CLOCK CHAPTER

LOCATION: NAWCC National Convention, Eastern States Regional, Lone Star Regional, and Southwest California Regional

WHEN: Same as above

MEMBERSHIP INFORMATION: Rick Coleman

EMAIL: rcoleman18@cox.net

WEBSITE: <http://net.nawcc.org/chapter168>

AUGUST MEETING: The International 400-Day Clock Chapter 168 held a meeting in conjunction with the Eastern States Regional at Syracuse, NY, on August 20. Treasurer Frank Servas presented background information to prepare those in attendance to view John Hubby's presentation titled "Schlenker und Posner SEPO Revealed." *The Horolovar 400-Day Clock Repair Guide* attributed both pendulum 37 (circa 1911) and pendulum 35 (circa 1930) to the Kieninger & Obergfell manufacturer. Confusion arose when Victor Tang of Singapore discovered a photo of a clock with pendulum 37 in a Kern catalog, and he wondered if Kern was the manufacturer.

In his *Lexikon der Deutschen Uhrenindus-*



A photo from John Hubby's presentation at Chapter 168's meeting.

trie 1850-1980, Hans-Heinrich Schmid lists Schlenker und Posner (SUP) as a manufacturer of 400-day clocks from 1928 to 1938, at which time the company was sold to Kern & Söhne. Thus, Plate 1505 shown in the *Repair Guide* represents a manufacturer rather than

an importer. The final proof was obtained when an original catalog showing SUP clocks was found. John Hubby's talk discusses this company and features the clocks found in this catalog.—Frank Servas, Jr.

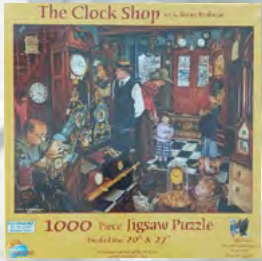
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- 60 FLORIDA GOLD COAST (FL):** P) Joe C. Cohen, Antique Time Appraisals & Antique Classes, 3090 N. Course Dr. Apt. 107, Pompano Beach FL 33069-3356, jccohen3@comcast.net; S)
- 61 ROCKET CITY REGULATORS (AL):** P) Keith W. Henley, 691 Otter Falls Rd., Sewanee TN 37375-2737, keithhenley@hotmail.com; S) Ellen W. Payne, 64 Majestic View Dr., Grant AL 35747-9204, gary.g.payne@gmail.com
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- 63 SUNFLOWER CLOCK WATCHERS (KS):** P) Jim Price, 1440 N. Armour St., Wichita KS 67206-1128, reservistsrcool@yahoo.com; S) Steven Overstreet, 24 S. Lakeside Blvd., Wichita KS 67207-1053, stevenoverstreet@cox.net
- 65 SIERRA-NEVADA (NV):** P) Vince T. Angell, 2757 Coleman Way, Sacramento CA 95818-4430, phylathome@hotmail.com; S) Donna Erlenbusch, 124 N. Avena Ave., Lodi CA 95240-1806, donnasews@sbcglobal.net
- 66 CENTRAL ILLINOIS (IL):** P) Philip J. Stoller, PO Box 3044, Bloomington, IL 60702-3044; S) Carl Lair, 4012 Southwoods Rd., Springfield IL 62711-8163, csclair@gmail.com
- 68 JEAN RIBAUT (FL):** P) Eric Tibbetts, 4309 Blue Heron Dr., Ponte Vedra Beach FL 32082-3003, ericsusan5081@att.net; S) Truman D. Donoho, 690 Natures Hammock Rd. W., Jacksonville FL 32259-2866, am4soft@comcast.net
- 69 ORANGE COUNTY (CA):** P) Paul Martyn, 9339 Angosta Dr., Whittier CA 90603-1065, ptmartyn@gmail.com; S) Phyllis M. Adams, 1483 Paseo Grande, Fullerton CA 92833-1347, phyllisadams2006@yahoo.com
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- 83 PEACE PIPE (IN):** P) Jerry Tiemens, Jerrys Clock Shop, 10431 Red Rock Pl., Dyer IN 46311-2389, jerryann10@sbcglobal.net; S) Raul Rodriguez, 3733 Manor Dr., Highland IN 46322-3052, rxrodr1@yahoo.com
- 84 MID-HUDSON (NY):** P) James M. Holmgren, 53 Tor Rd., Wappingers Falls NY 12590-4624, jamesholmgren@gmail.com; S)
- 87 GREATER MASSACHUSETTS (MA):** P) Micah Tasker, P.O. Box 709, Milton NH 03851-0709, Micah@thevintagewatchman.com; S) Steve R. Murphy, P.O. Box 308, North Eastham MA 02651-0308, yankeehorology@aol.com
- 89 MAINE (ME):** P) Tim Martel, 7 Brookside Dr., Topsham ME 04086-5145, timbev70@comcast.net; S) Mark Beever, P.O. Box 526, Cornish ME 04020-0526, nawcc89@gmail.com
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98 CALOOSA (FL): P) Donald Rupp, 9212 Springview Loop, Estero FL 33928-3405, drupp1@comcast.net S) Nancy Barnes, 16231 Lunar Dr., Fort Myers FL 33908-7379, nancybarnes2018@gmail.com

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106 NEW MEXICO ZIA SUNDIALS (NM): P) Warren K. Pierce, 2320 Flagstone Rd N.E., Rio Rancho, NM 87124-7564, wkp51@msn.com; S) Dwight E. Auten, 1123 Tijeras Ave. N.W., Albuquerque NM 87102-2911, dwiauten@aol.com

107 DIABLO VALLEY (CA): P) Helen Wheeler, 722 Bentley Ct., Brentwood, CA 94513-5606, wheelha@yahoo.com S) Ross W. Smith, P.O. Box 700, Danville CA 94526-0299, mainuse@msn.com

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112 VALLEY OF THE SUN (AZ): P) Jim C. Powell, 2560 N Ellis St., Chandler, AZ 85224-5804 jcp691@cox.net; S) Dave T. Shields, 469 N. Cavendish St., Queen Valley AZ 85118-9001, dtshields1@aol.com

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116 SANTA ANITA (CA): P) Julius S. Murphy, 171 S. Baldwin Ave., Sierra Madre CA 91024-2556, w9gly1@gmail.com; S)

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122 MELBOURNE (INTL.): P) Michael Connolly, AAHS, P.O. Box 1058, Huntingdale, VIC 3166 Australia, maconnolly@optusnet.com.au; S)

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135 MT. RAINIER (WA): P) Jack R. Goldberg, 19437 S.E. 57th Pl., Issaquah WA 98027-8646, jgoldberg777@comcast.net; S) Jeffrey Grossman, 23677 N.E. Twinberry Way, Redmond WA 98053-1997, info@nawcc135.org

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Watch & Clock Bulletin Rates for 2022

Issue	Ad Due Date	Issue	Ad Due Date
January/February	November 1, 2021	July/August	May 2, 2022
March/April	January 3, 2022	September/October	July 1, 2022
May/June	March 1, 2022	November/December	September 1, 2022

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Half Page Color	\$585	
Half Page B & W	\$530	
Quarter Page Color	\$300	
Quarter Page B & W	\$275	
Column Inch Ad	\$40	
Line Ads	\$3.80	
Double Page Center Spread Color	\$1,950	
Double Page Center Spread B & W	\$1,800	
Double Page Color	\$1,850	
Double B & W	\$1,700	
PREMIUM PLACEMENT		
Front Cover	\$1,500	
Back Cover	\$1,300	
Inside Front Cover	\$1,200	
Inside Facing Front Cover	\$1,250	
Inside Facing Back Cover	\$1,150	
Inside Back Cover	\$1,250	

Column Inch Ads in Mart & Highlights: Multiply height of ad by \$40, round to nearest quarter inch. Multiply this number by number of columns the ad will span. Column widths: 1 col—2-1/4" wide • 2 cols—4-3/4" wide • 3 cols—7-1/4" wide.

NAWCC Regional and National Convention Ads in Mart & Highlights: These ads receive a 10% discount and must contain the following disclaimer: "The NAWCC, its officers and members, and the 'name of Regional' are not responsible for any loss, injury, or tort during this event."

[illegible]

Your ad may also be submitted on a separate paper or email to mart@nawcc.org. Your name, as an NAWCC member, and your contact information must appear in your ads. No more than three advertisements per advertiser per section.

AD CATEGORIES—PLEASE CIRCLE ONE.
Want Clocks • Want Watches • Want Other • Sale Clocks • Sale Watches • Sale Other • Service • Announcement
 RATE FOR CLASSIFIED ADS: \$3.80 per line (2¼" wide, approx. 28 spaces); 3-line minimum (\$11.40)

A full-page sheet of white graph paper featuring a uniform grid of thin black horizontal and vertical lines. The grid consists of 20 columns and 20 rows, creating a total of 400 small squares. There are no margins, text, or other markings on the page.

Circle Appropriate Card: Credit Card No.: _____

MasterCard Visa Discover Amex Expiration Date: ____ CVV No. (back of card): ____

Regular Annual Meeting of the Membership

Minutes – To Be Approved at the 2022 National Convention in Dayton, OH

Saturday, July 17, 2021

Hampton Roads Convention Center

1610 Coliseum Dr.

Hampton, VA

Board Chair Jim Price called the Regular Annual Meeting of the National Association of Watch and Clock Collectors, Inc. (NAWCC) to order at 7:33 a.m. EDT. He welcomed all in attendance and thanked them for their participation.

Board Secretary Sherry Kitts announced that a quorum was present.

The Chair announced that the minutes of the 2019 NAWCC Regular Annual Meeting were posted and asked for corrections or objections to their approval. With no corrections or objections, and motions to approve from the attendees, the Chair announced the minutes approved.

The General Chairs for the 2021 NAWCC National Convention Judy Draucker (Old Dominion Chapter 34) and Rich Newman (British Horology Chapter 159) were recognized by Chairman Price for their hard work and efforts to overcome challenges.

Chairman Price reminded the attendees about the Awards Banquet at 7:00 p.m.

The NAWCC Board Members present were introduced by the Chair:

Chairman Jim Price	Vice-Chairman Rhett Lucke,
Treasurer Jay Dutton	Secretary Sherry Kitts
Director Rich Newman	Director Leroy Baker
Director Bob Burton	Director Tom Compton
Director Renee Coulson	Director Cathy Gorton
Director Philip Morris.	
Director John Cote was absent.	

Chairman Price thanked the outgoing Directors Chris Miller, Tim Orr, and Robert Gary (who was not present).

The Chairman recognized the incoming National Election Committee (NEC) members Tim Orr and Chris Miller, who will join Carroll Wolfe and Jerry Thornsberry.

The NAWCC Headquarters staff was recognized by Chairman Price: James Campbell, Research Library Supervisor and Museum Curator; Sarah Gallagher, Human Resources Manager and Development & Marketing; Laura Taylor, Managing Editor; Seth Huber, Information Technology (IT) and Chapter Support; and John Avignone, Development contractor.

Chair recognized the Old Timers and Golden Circle (50-year) members. Past NAWCC Chairmen and Presidents were also recognized: Rich Newman, Frank Del Greco, and Judy Draucker (Chairs) and Jim Coulson and Fred Ingram (Presidents). Fellows and Silver Star Fellows were recognized.

Chairman Price then called on Director and Past Chairman Rich Newman to present him with a special award: a framed picture of his choice of museum artifacts - a Thomas Parker Shelf Clock

from Philadelphia with Board-signed matte - and a “Chairman’s Choice” plaque to be mounted by the clock in the museum. This award was based on Rich Newman’s process improvements, fiscal conservatism, and website upgrades, among other accomplishments. When the past Executive Director resigned, Rich created the Oversight and Advancement Committee (OAC) which was highly effective in guiding the organization through COVID challenges. Due to his leadership, the organization was able to replace the roof with donations and Board Restricted Funds. A Public Time Gallery was added to the museum. Of 34 past Chairs and Presidents, Rich Newman is one of only 5 that have served at least 4 years.

Director Rich Newman then took the floor and thanked all the volunteers in the organization for moving it forward. He viewed his position on the Board as a method to give himself to the betterment of the organization and to inspire others to be their best.

Chairman Price then recognized Jim Coulson to provide the report of the NEC. Jim Coulson was acting in the absence of NEC Chairman George Goolsby. Survey Monkey was used to process votes for 2021 elections. A total of 2060 ballots were cast, representing 20% of the association’s membership, a historically high turnout. The following individuals were elected to the 2021-2025 NAWCC Board of Directors, taking office on July 14, 2021: Leroy Baker (WI), John Cote (IN), Sherry Kitts (TN), and Philip Morris (AL). Renee Coulson (TN) and Cathy Gorton (NC) were appointed by the outgoing Board on April 22, 2021.

Jim Coulson further confirmed the election of Tim Orr (CO) and Chris Miller (MO) to join Carroll Wolfe and Jerry Thornsberry on the NEC.

Chairman Price noted that we are the largest horological Museum and Research Library in the world. Strong teamwork and passion are responsible for success. One in three museums is expected to close in the next 5 years as a result of COVID. The OAC will continue to operate until the new Executive Director, Rory McEvoy’s VISA process is completed. Due to the US Embassy delay of VISAs, his interview was moved from August 2021 to February 2022.

Chairman Price reminded all that the next National Convention will be in Dayton, OH, with Chairs Earl Harlamert (Chapter #23) and Rich Newman (Chapter #159). The 2021 Ward Franchillon Symposium, “Horology 1776,” is October 7-9 in Philadelphia, PA. Bob Frishman was thanked for all his hard work to bring this to fruition after COVID delays.

Jay Dutton was then recognized by the Chair to provide the Treasurer’s Report. Treasurer Dutton stated that financial accounts of the NAWCC for the year ending March 31, 2020 were audited and a clean opinion was rendered by RKL LLP. Excess of Support and Revenue over Expenses was \$153,000, compared to a deficit of (\$384,000) for the prior year. This turnaround was attributable mainly to actions taken by the OAC. The endowment portfolio suffered a significant unrealized loss of \$300,000 as of March 31, 2020. This portfolio has recovered and now reflects an unrealized gain of over \$760,000. The current value of this fund is \$3.5 million.

Thanks to the generosity of the membership, the annual appeal brought in 50% more than the prior year, which helped overcome the negative effects of the COVID pandemic on museum admissions and membership renewals. Also, a loan of \$210,000 was received from the Payroll Protection Program, which has been forgiven. Total assets increased more than \$1.3 Million from the balance on March 31, 2020. Chair Price reminded everyone that we had not been paying the salary for an Executive Director, which makes this look better than it really is.

Director Newman added that we learned how to “unwind” from a convention contract (2020 Dayton) due to COVID. He is proud of the headquarters team. Financially we are on a good trend. We depend heavily on sponsors and must avoid utilization of Endowment Funds to support operation.

Chairman Price then opened the floor for questions. The following clarifications were provided:

- Rory McEvoy can do some remote work for us because we have a contract for a certain number of hours per week.
- We have downsized from a staff of 37 to 20: 14 full-time and 6 part-time. We are very lean, but we have to consider our available funds against our needs. Additionally, our current staff is of excellent quality. With regard to library staff, we have very professional people right now; adding personnel is not fiscally responsible at this time. James Campbell is doing a fantastic job with the Research Library.
- Museum certification by the American Alliance of Museums (AAM) is indeed at risk. Considerable financial and personnel effort would be required to recertify, which comes up every 10 years. Our current certification expires in March 2022, and we cannot reasonably meet that date. Also, on further consideration, we do not gain a lot being certified. Neither the American Clock & Watch Museum nor the Willard House & Clock Museum are certified by AAM, and non-certification has not stopped us from borrowing objects for exhibit from other museums. We have borrowed from the Smithsonian without certification. It does not negatively affect our ability to apply for grants or loans. The AAM does not maintain a list of accredited organizations. The AAM offers best practices which we will follow. Given these facts, we have higher priorities. We may re-apply at a later date.
- The HVAC system needs to be replaced, and it will cost about \$1.5 Million. James Campbell is very good at keeping the current system running. We have been assured that the system does not have a high likelihood of total failure in the near future. We are working on applications for three separate grants to help us fund the replacement.
- Membership continues to trend down. We lose about 10% every year and gain about 7%. Demographics have remained approximately the same for many years (old vs young, etc.). We had an exceptional gain of 152 members in May of 2021.
- With regard to attracting younger members, we must get into the social media age. The Board has funded “FREE” membership for youth (under age 21) and student with proper ID (age under 25). If we are not on Facebook, Twitter, Instagram, etc., we do not exist with the younger generation. We are getting approximately 20,250 visits from different people per week to our NAWCC Forums. We do require registration on the site, so we have the necessary information to follow up with users of the site.
- Hardcopy membership dues rose more than digital membership dues because of the rising cost of printing the Bulletin and any other cost increases associated solely with the non-digital membership.
- Every 5 years we have the National in the York, PA area to coincide with a 5-year anniversary. The National in 2023 will be held at the Lancaster Marriott and adjoining Convention Center in Lancaster, PA, in conjunction with the 80th anniversary of the NAWCC.

Chairman Price adjourned the meeting at 8:40 a.m. EDT.



The 2022 NAWCC CRAFTS COMPETITION

INTRODUCTION

The 2022 Crafts Competition will be held at the National Convention in Dayton, Ohio—June 23, 2022 – June 26, 2022. It will be an excellent opportunity for all craftspeople to have their work judged against that of their peers.

All classes will be judged by qualified experts. We will have our annual “People’s Choice” award, which will be determined by ballot. Ballots will be in the crafts exhibit area and can be cast for your favorite entry in the Crafts Competition. A ribbon will be attached to the winning item in the crafts exhibit area after judging has taken place. The People’s Choice winner receives a trophy at the evening banquet.

We would like to have all previous participants as well as first-time participants vying for honors at this event.

RULES GOVERNING THE COMPETITION

PURPOSE of the COMPETITION: To showcase the finest work in current-day horological crafts. This contest highlights each artisan’s talent as well as their understanding of history’s influence on their craft. It provides the opportunity to expand each member’s historical appreciation of clocks and watches.

SUBMISSION of ENTRIES at the COMPETITION:

Entries will be received by the Crafts Committee between the hours of:
10:00 am and 4:00 pm on Friday, June 23, 2022

Entries must be presented by the entrant or his/her designee. Arrangements may be made so entries can be shipped in advance. For more shipping instructions, contact Bill Slough who will connect the entrant with the Local Contest Coordinator.

QUALIFICATIONS of ENTRIES: Only pieces of a horological nature or with an obvious relationship to horological pursuits, as outlined in the classes of competition defined herein, will be accepted. Items entered as timepieces are expected to run and have reasonable accuracy.

WORK DONE by ENTRANT: A substantial portion of the work covered by the description of the class in which it is entered must have been performed by the entrant. Only work actually performed by the entrant will be considered in judging. Articles constructed from kits will not be eligible. The entrant must clearly list all work he has not personally performed including any CNC use in the project. Misrepresentation will result in rejection or disqualification, at the discretion of the judges.

To receive the highest rating by the judges, one should state in documentation with the entry at the time of the competition all items performed since the judges may not assume the entrant performed any function without documentation.

RESUBMITTING of ENTRIES ENTERED in PRIOR COMPETITIONS: Entries that have been entered in previous competitions, but were not awarded first place in any category or class, may be resubmitted in subsequent competitions. Entries that were 1st place winners of awards in prior competitions will be welcome for display in the noncompetitive Exhibition Class. An entry form must be submitted, as for any other class.



ELIGIBILITY: Members (does not include Youth Membership) of the National Association of Watch and Clock Collectors, in good standing at the time of any scheduled competition, are eligible to enter.

YOUTH MEMBERS: 17 years of age or younger are eligible to enter all classes and they will be judged as a separate group with medals and awards. Their projects will be displayed with all entries but judged as a Youth Entry.

NUMBER of ENTRIES and CLASSES: An unlimited number of entries may be entered in the contest by any one person. A maximum of two entries per class submitted by any one member or source will be available for 1st, 2nd or 3rd place (If a person submits 4 entries in one class they may only win a ribbon and medal for 2 of the top 3 places. Any other entries will receive Honorable Mention). This limit does not apply to items in the Exhibition Class. Any one entry may be submitted on only 2 classes (example: a single clock could be entered in Clock Restoration, Dial Painting, Reverse Glass Painting, Decorative Metal Parts, Case Refinishing, etc. so the entrant must determine which two classes they wish to enter the item). The entrant may enter the item in any other class the next year in areas they did not win 1st place.

ENTRY FORM: A separate entry form must be fully completed for EACH ENTRY Per CLASS. An entry form appears in the Mart or can be obtained by writing to William "Bill" Slough, 4647 Bonanza Ln., Dallas TX 75211, by calling 817-600-7501, Emailing: sherlock.clock@outlook.com or downloading the form from the NAWCC web site.

PHOTOGRAPH of ENTRY: A photograph of the entry item must be included with the entry form. Entry forms may be sent by email with photographs in Microsoft Office formats (PDF or word are preferred). However, if this is not possible, please send us your entry form noting "photograph to follow." The photographs help us determine the best display space for exhibit and judging. Photographs alone will not constitute an entry.

DESCRIPTION of ENTRY: The entry form has space for a description of the entry. Please fill it out. Entrants must bring descriptions of their entry and the work they performed to be with the entry at the time of competition. Entrants are encouraged to be present with their entry to discuss their work. Of special interest are any unusual features of the entry or aspects of the craftsmanship employed. Judging will be performed between 8:00 am and 12:00 noon on Friday of the convention.

DESIGNATION of CLASS of ENTRY: Each entrant must designate on the entry form (one entry per form) the class in which he/she would like to have the item entered and the display area required (this should include any electrical outlet requirements). The NAWCC Crafts Committee reserves the right to make the final determination as to the appropriateness of the entrant's election and to place the entry into another class, including the noncompetitive Exhibition Class. Each contestant will receive a confirmation email or letter for each entry listing the class of his/her entry.

DEADLINE for MAILING ENTRY FORMS: To facilitate proper preparation for the exhibition of the entries, entry forms must be postmarked no later than midnight, June 1, 2022. LATE ENTRIES must be approved by the Craft Chair to be entered in the competition or they may be accepted for exhibit only, in Class 27.

JUDGING: Judging will be conducted objectively, under the direct supervision of the NAWCC Crafts Committee. Each entry in each class will be independently scored by persons specially qualified to evaluate the skills involved, using a point system developed by the NAWCC Crafts Committee for that class. Individual scores will be tabulated by the NAWCC Crafts Committee and awards will be made on the basis of the highest totals scored by the judges. Judging will be done between 8:00 AM and 12:00 Noon on Friday of the Convention. Awards will be announced in the Craft room at 3:00 PM of the same day.

Classes of Competition

In recognition of the wide variety of skills associated with horological craftsmanship and the importance of comparing like skills, there are 26 distinct competitive classes with one noncompetitive Class 27, which is designated as items submitted for exhibit only.

Description of Classes

- Class 1. SINGLE-TRAIN CLOCK MOVEMENTS—METAL: Movements with metal plates and wheels.
- Class 2. MULTIPLE TRAIN MOVEMENTS— METAL: Movements with metal plates and wheels, 2 or more trains.
- Class 3. CLOCK MOVEMENTS—WOOD: Movements with wooden plates and wheels.
- Class 4. COMPLICATED CLOCK MOVEMENTS: Orrery, astronomical, etc.
- Class 5. EXPERIMENTAL TIMEPIECE DESIGNS: This class is meant to explore new concepts, new designs, new material for plates, gears, pendulums, etc., and applications for timepieces. The greater the accuracy of the timepiece will add points in judging.
- Class 6. WOOD CLOCK CASES—SOLID OR VENEERED: May be new, original designs or copies, but no kits. If it is a replica, an accurate, detailed reproduction of an old handmade or factory-produced clock case of any material, then a photo or accurate drawing of the original must accompany the entry.
- Class 7. OTHER MATERIAL CLOCK CASES: Stone, glass, papier-mâché, metal, etc. May be new and original designs or copies, but no kits. If it is a replica, an accurate, detailed reproduction of an old handmade or factory-produced clock case of any material, then a photo or accurate drawing of the original must accompany the entry.
- Class 8. WATCH MOVEMENTS: Any size or style.
- Class 9. WATCH CASES—ANY MATERIAL: pocket watch, pendant watch, or wristwatch.
- Class 10. WATCH RESTORATION: Item must be documented with photos or drawings to show condition when project began. Photos or drawings as work progressed must accompany the entry. Entry must be restored to its original condition. Any part of the restoration not performed by the entrant must be noted. Misrepresentation will result in rejection or disqualification.
- Class 11. AUTHENTIC REPLICA CLOCKS: Entire clocks, constructed by the entrant, which authentically duplicates every detail of both the case and the movement of an old handmade or factory-produced clock. A photo or accurate drawing of the original must accompany the entry.
- Class 12. CLOCK RESTORATION: The restoration of any style of clock (tower, electric, mantel, etc.) in which one person performs the work. Photos or drawings as work progressed must accompany the entry. Entry must be restored to its original condition. Any part of the restoration not performed by the entrant must be noted. A story board presentation is acceptable for clocks too large to bring to the contest (tower clocks as an example). Misrepresentation will result in rejection or disqualification. Please remember the complexity of the clock restoration is a major point in judging this class.
- Class 13. PAINTED DIALS: Completely hand decorated, including numerals, time-track, and embellishments of all kinds, with or without gold leaf.
- Class 14. REVERSE PAINTING ON GLASS: Clock tablets, throat pieces, dials, or other elements made of glass, on the back side of which an illustration and/or design has been applied, using paint and ink or a combination of gold leaf and paint. Stencil bronzed or gold leaf borders will not be judged.
- Class 15. REVERSE PAINTING ON GLASS - LITHO-TRANSFER: Clock tablets, throat pieces, dials, or other elements made of glass, on the back side of which an illustration has been applied using a Litho-Transfer and paint. Stencil bronzed or gold leaf borders will not be judged.
- Class 16. REVERSE PAINTING ON GLASS: STENCIL ON GLASS: Clock tablets, throat pieces, dials, or other elements made of glass, on the back side of which a design has been applied using stencil bronzing and paint.
- Class 17. STENCIL BRONZING with NO PAINT APPLIED: Wood columns (pairs), top splats, glass tablets or other glass elements that have been decorated by the use of varnish, stencils, and bronze powders.

- Class 18. **GOLD LEAFING:** Horological components that have been decorated by the application of gold leaf. Only the gold leaf work will be judged.
- Class 19. **PAINTED CASE DECORATION:** Application of hand-painted decoration to the surface of a case such as an iron front, papier-mâché, chinoiserie, porcelain, etc. Old or new cases may be used. Only the painting will be judged.
- Class 20. **WOOD CARVING:** All or significant elements of any horological device created by the carving of wood. Entries may be submitted separately or as parts of an assembly. Only the carving will be judged.
- Class 21. **METAL ENGRAVING AND DECORATIVE METAL PARTS:** The decorating of any metal part or parts of a horological device by the incising of designs and/or legends, i.e., dials, plates, bridges, cocks, hands, bobs, weight shells, etc. Only the engraving will be judged. Handmade decorative elements of horological devices made entirely by the entrant, i.e., bezels, finials, bobs, bosses, feet, hands, etc. When the parts are cast, the original handmade pattern must be submitted with the finished piece. Casting made by using another casting as the pattern will not be accepted. If the parts are on an existing clock, the items to be judged must be noted clearly by the entrant for the judges to view.
- Class 22. **HOROLOGICAL PARTS -** This may be clock or watch parts made entirely by the entrant. Items such as gears, wheels, plates, hands, etc. are examples of items to be entered. The parts must be displayed individually and not inside a clock that may be entered in another class.
- Class 23. **HOROLOGICAL TOOLS—NEW OR REPRODUCTIONS:** Tools used for the making and/or repair of horological devices. Entry must be capable of performing the intended work and may be an original tool conceived by the entrant or may be a copy (either exact or in function) of an existing tool.
- Class 24. **HOROLOGICAL NOVELTIES:** Items, or groups of items forming a whole, that relate to horology but do not fit into another class of the competition. Creativity and craftsmanship are key elements for points in judging.
- Class 25. **CHAPTER CLOCK RESTORATION:** Items must be documented with photos or drawings to show condition when project began and subsequent progression. Entry must be restored to its original condition. Any part of the restoration not performed by chapter members must be noted. A minimum of three chapter members must perform restoration activities as shown on the application.
- Class 26. **INSTITUTIONAL AND PUBLIC CLOCK RESTORATION:** Same as Class 25 with special display criteria. See Special Entry Form.
- Class 27. **EXHIBITION ONLY:** Examples of handcrafted horological work that are not entered into the competition. This class may include, but is not limited to, entries that have earned awards in earlier competitions. It may also include items made by members or former members of NAWCC other than the person submitting them for exhibit.



ENTRY FORM—2022 NAWCC CRAFTS COMPETITION

2022 National Convention, Dayton, Ohio—June 23, 2022 – June 26, 2022

“People’s Choice” Award is given for the favorite entry.

Entrant’s Name: _____

Address: _____

City, State, Zip: _____

Phone: _____ NAWCC#: _____

E-Mail: _____

Photo and Description of entry—Please include a brief summary of entry and any special features, especially those that may not be apparent in the photo(s). This will only be used for establishing the correct class for the entry by the Craft Committee.

Class of Competition in which I would like this entry judged _____ Youth Entry: Yes No

Display space requested _____ Electricity Needed: Yes No

Classes for the 2017 Crafts Competition are as follows:

- | | |
|---------------------------------------|--|
| #1 Single-Train Clock Movements—Metal | #15 Reverse Painting on Glass – Litho-Transfer |
| #2 Multiple Train Movements—Metal | #16 Reverse Painting on Glass - Stencil |
| #3 Clock Movements—Wood | #17 Stencil Bronzing – No Paint Applied |
| #4 Complicated Clock Movements | #18 Gold Leafing |
| #5 Experimental Timepiece Designs | #19 Painted Case Decoration |
| #6 Wood Clock Cases—Solid or Veneered | #20 Wood Carving |
| #7 Other Material Clock Cases | #21 Metal Engraving and Decorative Metal Parts |
| #8 Watch Movements | #22 Horological Parts |
| #9 Watch Cases—Any Material | #23 Horological Tools — New or Reproduction |
| #10 Watch Restoration | #24 Horological Novelties |
| #11 Authentic Replica Clocks | #25 Chapter Clock Restoration |
| #12 Clock Restoration | #26 Institutional & Public Clock Restoration |
| #13 Painted Dials | #27 EXHIBITION ONLY |
| #14 Reverse Painting on Glass | |

Complete rules governing this competition, including definitions of the various classes, are on the previous pages of this issue of the MART.

“I agree that I have read and will be bound by the rules of this competition and that the information I have provided is true and correct. I also agree that the NAWCC may freely publish pictures and text describing my entry.”

SIGNED _____ NAWCC# _____ DATE _____

Complete this form and mail it with picture(s) of your entry postmarked no later than June 1, 2022.

William “Bill” Slough, Crafts Chairman
4647 Bonanza Ln., Dallas TX 75211

Phone: 817-600-7501
Email: sherlock.clock@outlook.com



**CHAPTER AND INSTITUTIONAL/PUBLIC CLOCK RESTORATION
(CLASSES 24 AND 25) Special Entry Form**

2022 National Convention, Dayton, Ohio—June 23, 2022 – June 26, 2022

Chapter Name & Number:

Chapter President's Name:

Address:

City, State, Zip:

E-Mail:

Description of entry—Please include any special features, especially those that may not be apparent in the photo(s). A good description helps the judges with their determination. Use an extra sheet if more space is needed for an adequate description.

All Chapter Restoration Clock entries to be judged in Classes 25 and 26 must use this entry form.

The entry form for Classes 1-24 is provided on the facing page.

This entry form is for Class 25 _____ or Class 26 _____ (check as appropriate).

Provided below are the rules governing the competition for Classes 25 and 26, Chapter and Institutional Clock Restoration Contest.

Class 25. CHAPTER CLOCK RESTORATION: Item must be documented with photos or drawings to show condition when project began. Photos or drawings as work progressed must accompany the entry. Entry must be restored to its original condition. Any part of the restoration not performed by chapter members must be noted. Entries will be judged on the quality and complexity of the restoration activities. A minimum of three chapter members must perform restoration activities as shown on the application signed by the chapter president. Clocks must be displayed at the convention to be judged in the contest. A supplemental notebook showing restoration is acceptable but not required.

Class 26. CHAPTER INSTITUTIONAL AND PUBLIC CLOCK RESTORATION CONTEST: Rules for Class 26 are the same as Class 25 above except entries may be presented in storyboard format and electrical powered clocks will be eligible for judging. Please check below indicating storyboard size and display characteristics. A supplemental notebook showing restoration is acceptable but not required.

Please describe the display area required as well as electrical requirements if any:

"I agree that I have read the information listed above and our chapter will be bound by the rules of this competition. The information provided is true and correct. NAWCC may freely publish pictures and text describing this entry."

SIGNED _____ Chapter # _____ DATE _____
Chapter President

Complete this form and mail it with picture(s) of your entry postmarked no later than June 1, 2022.

William "Bill" Slough, Crafts Chairman
4647 Bonanza Ln., Dallas TX 75211

Phone: 817-600-7501
Email: sherlock.clock@outlook.com

Get Ready for America's Largest Watch & Clock Show!

Head to Dayton, OH, next summer to buy, sell, trade, learn, teach, share, and socialize in grand NAWCC style. Join us at the 2022 National Convention on June 23-26!

Mart, Meetings & More!

Gather with old and new friends in Dayton as you participate in auctions, enjoy lectures on watches and clocks, and attend Chapter and Committee meetings. Stroll through the huge mart room and find the perfect gifts for family, great books for the kids, and maybe even a little something for you. Highlights of any Convention always include the Awards Banquet, Old Timers & Fellows luncheon, and the Crafts Competition.



Location Is Everything

The Dayton Convention Center is in the heart of the city, just minutes from the Dayton International Airport and major highways. The host hotel, Radisson Hotel Dayton, is connected to the Convention Center by an enclosed skywalk over the street. The hotel has a free airport shuttle, and parking at the hotel is free.



Sightseeing at Its Best!

Dayton's historic Oregon District is only 1.5 blocks from the Convention Center and offers many options for dining, shopping, and entertainment. The nearby Packard Museum is in the original Packard Motor Car Company building and has a wonderful collection of early 20th-century cars. The Dayton Aviation Heritage National Historic Park includes the Huffman Prairie Flying Field, Wright-Dunbar Interpretive Center, Wright Cycle Company building, Paul Laurence Dunbar House Historic Site, and the Carillon Historical Park. To the northeast of downtown Dayton is the Wright-Patterson Air Force Base, home of the world-renowned National Museum of the US Air Force.

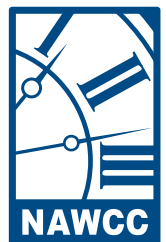


For more information, contact:

Earl Harlamert
Co-Chair
National Convention
937.890.2924

Rich Newman
Co-Chair
National Convention
rpnewman@nawcc.org

**NATIONAL
CONVENTION**
DAYTON, OH
June 23-26, 2022



Ticktock Time-Out!

Back when TikTok only meant “tick tock”, watch and clock companies showed off their products in ads like the ones below. These ads were really popular around the holidays. Companies wanted to encourage shoppers to buy their products to give as gifts. Ads showed the newest watches and clocks and were in magazines as well as displayed in stores.



In 1929, the Seth Thomas York No. 1 clock cost \$22.50. This was a lot of money back then! A loaf of bread only cost \$0.10. In 1947, the Hamilton Clara watch, cost \$60.50. This would be around \$740 in today's money.

To see more of these ads or to find great books about time, visit the Fortunat Mueller-Maerki Library & Research Center in Columbia, PA, or online at nawcc.org/research.



1947



1929



1948

Secret message---Secret Message---Secret message---Secret Message

Unscramble the letters to find each winter word. Then, use the numbered letters from the unscrambled words to discover a secret message from Ticktock to you.

DESL 5 8

RSAFC 6

OTSRFY 7 4

INTMST 12 2

NSNOAWM 1 9 10

ADZLZIBR 3 11

1 2 3 4 5 6 7 8 & 9 10 11 12!



An Epic Vortic Journey – From Pocket To Wrist

This article was originally published on the website MrWatchMaster.com. MrWatchMaster presents a uniquely authoritative resource, covering news, opinion, reviews and entertainment about the watch sector. Read more at www.mrwatchmaster.com.

We have featured the Vortic Watch Co. and its founders on MrWatchMaster and are great admirers of the brand.

The true inspiration behind Vortic's American Artisan Series watches is a simple idea that they had it right the first time. Before the United States got away from watchmaking in the mid-1900's, it produced millions of beautiful, high-quality pocket watches that became more than just a way to tell time.

The domestically made pocket watches became heirlooms that were passed down through generations, signifying the deep roots of quality manufacturing in America that, while covered with dirt, still exist today.

I bought a Waltham pocket watch at an 'antique and collectables' fair and restored it back to working order – it just needed a basic clean!

I'm a huge collector of antique pocket watches, and was immediately drawn to the watch by its stylized look – the watch was made around 1910, which places it in the 'Art Nouveau' period – which was different and rather attractive. I also appreciated the beautiful blued steel 'Breguet' moon styled hands that complimented the gold Arabic numerals.

Having been introduced to the Vortic Watch Co., it got me thinking about the Waltham watch and the potential to convert it to a wristwatch as a practical solution.

I contacted the team at Vortic who were fantastic from the start of the 'journey' (and continue to be so!). They explained what I needed to do to get the watch shipped and to ensure it was packaged properly so it didn't get damaged on the way. This was great advice and was a straightforward process.

When the watch was received, the next step was to select the materials and design the watch. A secure link was sent to enter the 'Watch Builder' and the journey continued...

It was amazing to see how the Waltham – now renamed 'The Boston 350' – from 1909 would now look in a machined titanium case with gold crown (to compliment the numerals!). As the reality of the transformation began, the excitement and expectation began to build at pace.

Having made the custom selections for the case, crown, strap and engraving, it was now time for the Vortic watch maker to begin the meticulous restoration of the watch movement.

During this time the brilliant team at Vortic kept me updated with progress and an estimated completion date. The build of the watch continued and was carried out by a highly qualified watch maker.

This luxury watch conversion service from Vortic included all of the upgrades and custom selections featured in their watch builder. The whole process takes

around 12 weeks. I'm absolutely delighted with the outcome and look forward to wearing the 'newly transformed' Boston 350 with pride.

We would strongly recommend you experience this 'incredible Vortic journey'. The level of customer service associated with the project was second to none. Each timepiece produced comes with a personal design consultation and consistent updates throughout the process to ensure your happiness.

If you'd like to convert your watch, please visit Vortic using this link:
<https://vorticwatches.com/pages/convert-your-watch>



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