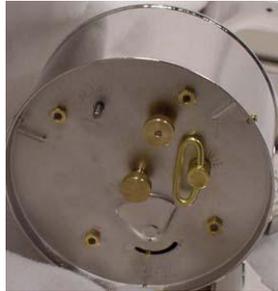


Restoration of Darche 1908 Flashlight Alarm

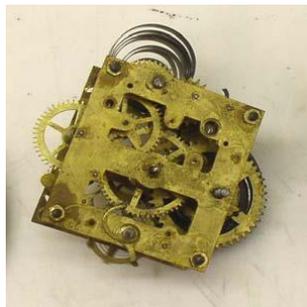
Ken Reindel (conclusion)

In the October and November issues, we followed the restoration from a prime example of rust and corrosion through the plating process. To learn how the story ends, read on.

Clock Case. The topic of how we refabricated the clock can is worthy of a separate article. It was very time consuming, taking nearly a full day to complete. The basic idea is to start with a strip of brass about .018" thick, and bend it into a can shape around a form. The joint is closed with another strip and some simple rivets. Once completed, it does have a seam that the original did not have, but it is invisible underneath the clock, hidden from view. Exact measurements are key to assuring that the friction tight back fits just snugly. A front bezel is "spun" on the lathe and is then soldered to the front, forcing the shape of the can exactly round. Test fitting, trimming, and drilling for mounting screws are followed by polishing and plating. The brass can does not require the buffing layer of cotton.



Clock Movement. Likewise the movement restoration was quite involved on this unit. The "Before" picture is shown to the right. It required a new alarm main wheel arbor, and alarm setter arbor as well. Both were sheared off and the parts missing. Again I will not go into a detailed explanation of what it took to engineer the missing parts. The thread required a 5-40 LH tap and die. The alarm setter arbor and knob required a 3-48 RH tap and die. Both the setter knob and arbor were fabricated at the same time. Getting the length



and protrusion from the dial required substantial trial and error. The result is shown to the left. Clearance to the hour hand was critical. Another point about the movement: a stop pin needed to be added near the center wheel pinion. This pin was not in the original design. Without it, the mainspring would impinge on the center wheel, stopping the clock long before it was unwound.

November Potluck

The third annual Chapter 15 Potluck was held on Saturday, November 13th at the home of Jay and Pat Holloway in Pflugerville. Plenty of good food and excellent company were enjoyed by those who were able to stop in during the day. It's safe to say, that once again no one went away hungry!



Treasurer's Report	
Chapter Account	\$7,579.63
Membership renewal	262.40
Wooden works tuition	375.00
Wooden works workshop	(440.14)
Newsletter	(173.20)
	\$7,603.69
Regional Account	\$4,363.60

Chapter membership

It's that time again – time to renew your Chapter 15 membership for 2011. It's easier than ever with the addition of the Chapter 15 website PayPal option. If you have an email address, please consider receiving your newsletter electronically – not only does it reduce our costs, it's environmentally friendly.

Chapter 15 Membership Application
 New Application / Renewal (circle one)
 Membership Dues are \$10

You must be a current and paid NAWCC member to join a Chapter.

You may be a member of more than one Chapter.

Please Print or Type

NAME: _____

SPOUSE'S NAME: _____

STREET: _____

CITY: _____

STATE/COUNTRY: _____ ZIP: _____

EMAIL: _____

PHONE: _____

NAWCC Member # _____

HOROLOGICAL INTERESTS: _____

_____ Please send my Chapter 15 newsletter by email.

Make Check Payable To: Chapter 15, NAWCC
 Enclose this application and check and send to:
 Pat Holloway
 1105 Lafayette Lane
 Pflugerville, TX 78660

Wooden works workshop

November was a busy month for Chapter 15. We started the month with a wooden clockworks workshop on November 5th and 6th. Clocks in hand, five enthusiastic students joined instructor Phil Gregory to learn about these horological marvels. Even over 100 years later, and some mishaps through the years, each of the clocks found new life this weekend. Additionally, each of the attendees found a new appreciation and a much deeper understanding of the makers, styles and workings of wooden clockworks.



Hmmm....Did this class include a test?



Waiting for the clock elves to help



Another successful rescue

Chapter 15 Update

by Ken Reindel

For the past few months, we've been working to update our Mission Statement. We thought it might be good to share what we've been thinking about. The essence of our Mission Statement is outlined below:

Our Mission Statement:

"We in Chapter 15 are committed to excel as a most vibrant Chapter in the NAWCC. We will demonstrate this through superior educational programs on clocks, watches, and other related horological topics, the most comprehensive website in the NAWCC, and engaging, fun social opportunities for all members. Our social programs will be an example for other Chapters to follow.

"We believe in working with other horological societies—not competing with them—to serve our members. We will reach out to the community to spread our passion, with hopes of inspiring them to learn from the decades of experience we have here locally. Through this effort we can preserve our great Chapter history and continued interest in Horology."

As we talked among ourselves, we realized that one of the most critical and key elements of who we are is Training and Education. Although from a demographic perspective we are a smaller chapter, it is incredible the breadth of expertise we have here locally. We've been sharing that expertise among ourselves and plan to do more.

As you might know, we are one of the very few Chapters in the NAWCC that holds monthly training programs. Over the summer, we held a Dial Restoration program and a two-part program on rare stones and jewels in horology. In August we completed a 3 hour program on clock case restoration. In September, Gene Galbraith presented an outstanding program on tower clock restoration. Then in October, Pat Holloway presented a very interesting 2 hour historical perspective on Watch Artifacts that captured the imagination. In November we had a workshop on wooden works as well as our annual Thanksgiving potluck. In upcoming months we will be presenting additional topics on clock and watch restoration and repair. The intent is to spread the unique expertise we have here among all

members. If you haven't attended one of the monthly programs, come check them out.

Our monthly meetings have other benefits in addition to training. They are an opportunity to meet and socialize with others of common interest and attract new folks that share our interests. We've recently welcomed several new members and guests at our meetings, including Marsha Mathis, Mary Ann Rogers, and Mr. and Mrs. Edward McDowell. In January, we'll kick off the year with a program on fusee movements by Bob Rasmussen. We look forward to seeing you there. Additional programs and workshops covering a wide variety of topics are also planned for 2011.

Another interesting project we've been working on relates to the pride we have in our Chapter. When we sat down and thought about it for awhile, we identified 15 Fantastic Facts about our Chapter. It is amazing to realize that this is a **small** sampling of what we have available right here in our own back yard. Here is our list:

1. Horological Plating Services
2. Southwest Museum of Clocks & Watches
3. Multiple members offer expertise in Gearmaking
4. Multiple member expertise in Clock Case Restoration
5. Multiple member expertise in Reverse Glass, Dial Painting
6. Multiple members served Officer positions at National level
7. Strong expertise in electric, self winding clock restoration
8. Catalog of self winding clock parts, dials, No. 6 batteries
9. Information-packed MONTHLY newsletter published
10. High quality MONTHLY training programs
11. Our own Sherline Lathe distributor
12. Full-featured Chapter Website
13. Tower clock restoration expertise
14. Chapter 15 birth place of 4 area Chapters
15. Multiple members published in NAWCC Bulletin, multiple times!

How many others can you think of?

Have you seen our new T shirts, shopping bags and hats? They are another expression of our Chapter spirit. Come to our next meeting and check them out!!

Newsletter Editor NAWCC Chapter 15
1105 Lafayette Lane
Pflugerville TX 78660

Save The Date

- January 22, 10:00 a.m.
1105 Lafayette Lane, Pflugerville
Fusee movements program
Bob Rasmussen
- February 26
- March 4 & 5
Lone Star Regional
Mesquite
- Make plans now to attend our annual meeting in April. (Tentatively planned for Saturday, April 30.) This year's event is shaping up to be even bigger than last year's with a mart, program and a workshop you won't want to miss! All this on top of fantastic friends, fellowship and food!

**Best wishes for a wonderful
holiday season!**

