

Chapter 139

Online Resources

Shaun Clarke

NAWCC San Jacinto Chapter 139

Chapter 139 Website

<http://www.chapter139.com/>


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★ San Jacinto Chapter 139 ★

2016 Chapter Of The Year Houston, Texas 2016 Chapter Of The Year

The time is: 1:59:03 PM on November 4, 2016



Bulle electro-mechanical


[Recent Newsletter](#)

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[Pocket Watch Servicing Class](#)



2016 All Texas Chapters Regional Review

Chapter 139 Website

Homepage

- *Newsletter "San Jacinto Star"*
- *Schedule of Activities/Calendar*
- *One Day Show photos and write-ups*
- *Tech Session photos and write-ups*
- *Regional photos and write-ups*

Chapter 139 Website Information

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- *Officer/Director Contacts*
- *Membership information*
- *Resources / Suppliers*
- *Message Board*
- *Links to NAWCC*

Chapter 139 Website

Presentations and Educational Topics

- *Under **EdCtr** → Chapter Presentations/Educational Topics*

1. *Timepieces of Famous Historical Figures*
2. *Making Small Screws For Clocks*
3. *Making A Rack*
4. *Gear Cutting 101*
5. *A Brief Study Of Finials*
6. *One Piece Barrel Repair*
7. *Mercury Hazard Awareness*
8. *Assessing Pocket Watch Problems*
9. *A Better Way to Repivot*
10. *Tim Glanzman's Pivot Polishing*
11. *E. Howard Tower Clock Renovation*
12. *Determining Pocket Watch Quality*
13. *History of the Rockford Watch Company*
14. *Clock Gear Teeth Repair*
15. *Restoration of Lenzkirch Clock Case*
16. *The Great American Novelty Clock Invention (Plato Clock)*
17. *Show & Tell by the Chapter 2012 Board Members*
18. *The Father of the Modern Grandfather Clock*
19. *History Of Bulle Clocks and Making Suspension For Just About A Buck*



Chapter 139 Website

Technical

Tech Sessions



Schedule: These sessions occur on the 2nd Saturday of each month.

Hours: 8AM to 12:00PM (end time may vary)

(It will not take place if it interferes with another Texas Chapter activity)

Location: It is held at Turn-Key Coatings, 8411 Rannie Road, Houston, Texas 77080 (just off of Hummer Road and near Bingle). [Detailed directions](#)

The space is being donated by fellow member and company owner Tim Glanzman

Activity: Bring any clock, watch or horologically related item to the session. Ask any question on any horological topic or give advice. Bring whatever tools you think you might need. Host members usually have tools to assist or investigate projects but not to give out long term.

Assessories such as desk lights and extension cord, paper towels, and doughnuts should be considered. Just kidding, you could bring kolaches or anything else. No project? Just come by, visit and consider it a mental session.

Presently all work needs to be taken home at the end of each session. However, it is highly likely that long term projects will be able to stay at the facility until the work has been completed once the facility is finished being renovated.

Clock and Watch Tool Lists

Chapter members have been very supportive in either buying tools or donating them for use at the monthly Technical (Tech) Sessions. The lists below show available tools and those needed. Watch tools are currently supplied by each member as many are specialized per task and they can get quite expensive.

Clock Tools

Authored by Drew Lundgren

Watch Tools

Authored by Shaun Clarke

Main Spring Calculation

Watch Main Spring Calculation (Excel file)

By Shaun Clarke

Chapter 139 Website

Mainspring Calculator

<u>A. MEASUREMENTS</u>					
1. Start by measuring the inside diameter of the mainspring barrel:					
	Barrel Inside Diameter	11.51 mm			
	from this we calculate the radius				
R =	Barrel Inside Radius	5.76	mm		
2. Next, measure the outside diameter of the barrel arbor:					
	Arbor Outside Diameter	3.92 mm			
	from this we calculate the radius				
r =	Arbor Radius	1.96	mm		
			<i>FYI: Arbor Outside Diameter should be about 1/3rd of the Barrel inside diameter.</i>		
			<i>We calculate this as:</i>		
				3.84	mm
3. Next, measure the thickness of the mainspring:					
	Mainspring Thickness	0.133 mm			
e =					
			<i>FYI: Mainspring thickness should be about 1/100th of Barrel Inside Diameter.</i>		
			<i>We calculate this as:</i>		
				0.12	mm
3. Finally, measure the width of the mainspring:					
	Mainspring Width	1.31 mm			

Reference: The Theory of Horology, Swiss Federation of Technical Colleges (1999), pp 48

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Mainspring Calculator

B. MAINSPRING LENGTH			
Calculation for Mainspring Length is:	$L = \frac{\pi(R^2-r^2)}{2 \cdot e}$		
Mainspring Length equals:	346 mm	in inches	13.6 "
C. K-FACTOR			
Calculation for "k-factor" is:	$k = \frac{r}{e}$	<i>FYI: Optimal range for the k-factor is between 10 and 14.</i>	
k-factor equals:	15		
D. ORDERING			
	<u>Metric</u>		<u>Inches</u>
Mainspring width	1.31 mm	Mainspring width	0.0516 "
Mainspring thickness	0.133 mm	Mainspring thickness	0.0052 "
Mainspring length	346 mm	Mainspring length	13.6 "
End Style	<specify>	End Style	<specify>

Reference: The Theory of Horology, Swiss Federation of Technical Colleges (1999), pp 48

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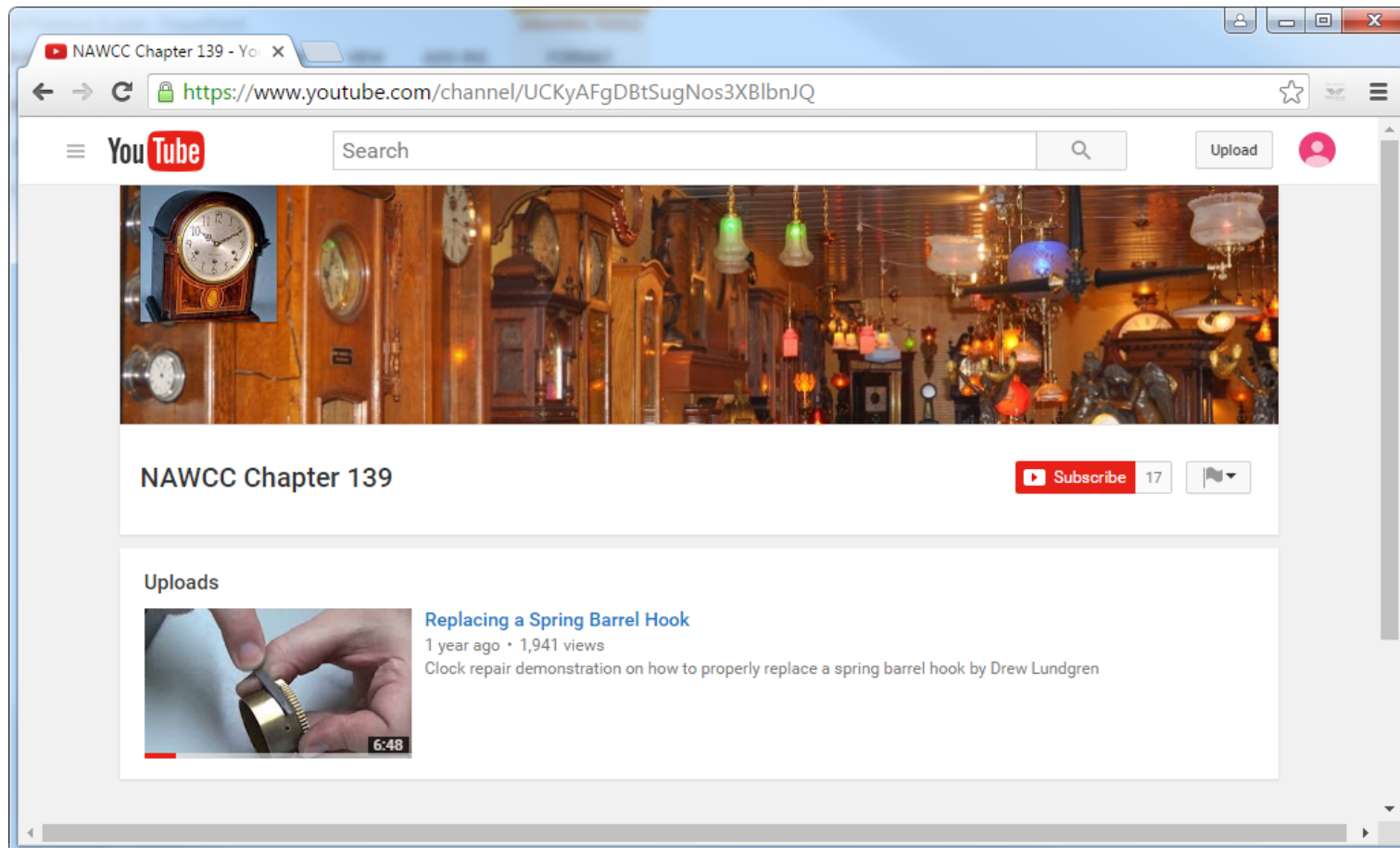
Educational Programs

- *Recoil Escapement Class*
- *Statue Repair & Restoration Class*
- *Chapter Reverse Glass Painting Class*
- *Mold and Casting Class*
- *French Clock Class*
- *Wood Case Restoration Classes*
- *Kitchen Clock Class*
- *Wood Clock Movement Repair Class*
- *Pocket Watch Servicing Classes*

YouTube

"NAWCC Chapter 139"

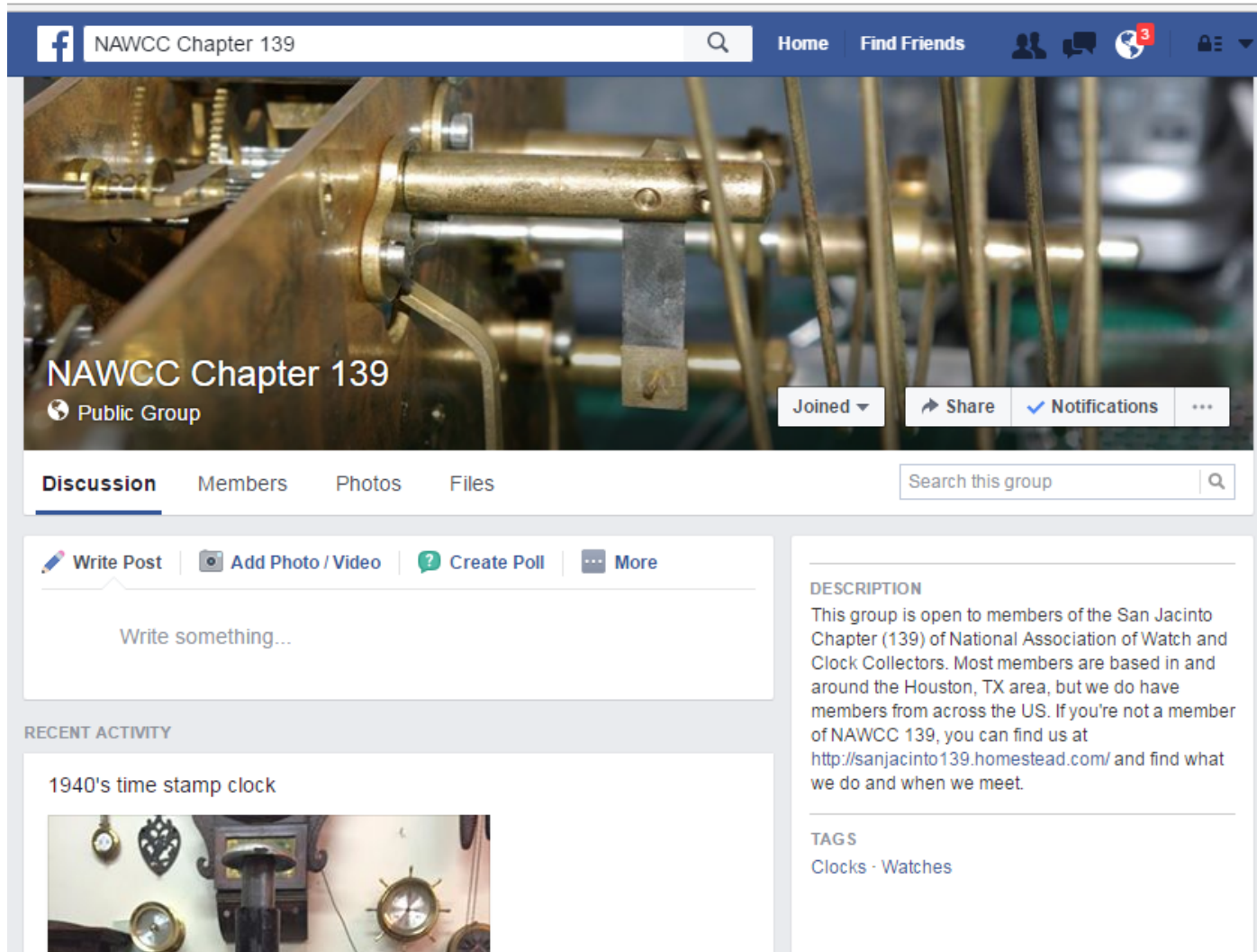
- *"Replacing a Spring Barrel Hook", by Drew Lundgren (~2000 views)*



The screenshot shows a web browser window displaying the YouTube channel page for 'NAWCC Chapter 139'. The browser's address bar shows the URL <https://www.youtube.com/channel/UCKyAFgDBtSugNos3XBlnJQ>. The YouTube logo and a search bar are visible at the top. The channel banner features a photograph of a clock shop interior with various timepieces and chandeliers. Below the banner, the channel name 'NAWCC Chapter 139' is displayed, along with a 'Subscribe' button showing 17 subscribers and a notification bell icon. The 'Uploads' section lists a video titled 'Replacing a Spring Barrel Hook' by Drew Lundgren, posted 1 year ago with 1,941 views. The video description reads: 'Clock repair demonstration on how to properly replace a spring barrel hook by Drew Lundgren'. A small video thumbnail shows hands working on a metal component, with a duration of 6:48.

Facebook

"NAWCC Chapter 139" Public Group



NAWCC Chapter 139

Public Group

Joined Share Notifications

Discussion Members Photos Files

Search this group

Write Post Add Photo / Video Create Poll More

Write something...

RECENT ACTIVITY

1940's time stamp clock

DESCRIPTION

This group is open to members of the San Jacinto Chapter (139) of National Association of Watch and Clock Collectors. Most members are based in and around the Houston, TX area, but we do have members from across the US. If you're not a member of NAWCC 139, you can find us at <http://sanjacinto139.homestead.com/> and find what we do and when we meet.

TAGS

Clocks · Watches

Suggestions or submissions?

Contact our webmaster...

