

# LONE STAR NEWS

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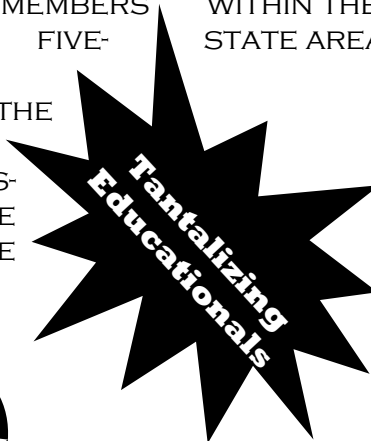
## A SPECIAL INVITATION TO ATTEND THE 2010 CHAPTER 124 LONE STAR REGIONAL IN MESQUITE, TX

**FRIDAY, MARCH 5TH AND  
SATURDAY, MARCH 6TH**



THIS CHAPTER NEWSLETTER IS BEING SPECIALLY SENT TO CHAPTER 124 MEMBERS AS WELL AS TO OTHER CHAPTER MEMBERS WITHIN THE FIVE-STATE AREA.

LOOK FOR THE PRE-REGISTRATION FORM IN THIS NEWSLETTER OR ON THE CHAPTER WEB PAGE



[WWW.CHAPTER124.COM](http://WWW.CHAPTER124.COM)

PLEASE JOIN US FOR SOME TEXAS HOSPITALITY!



## PRESIDENT'S MESSAGE

Greetings Everyone,

I hope everyone enjoyed the Holidays and that the New Year will be a happy, healthy and prosperous one for all. The beginning of the year began with our One Day on January 9<sup>th</sup> and Gerald Greener kept us all entertained with his educational on Cuckoo Clocks.



**For those of you who are wondering why you are receiving our Chapter Newsletter, it's because the 2010 Lone Star Chapter 124 Regional in Mesquite, TX is right around the corner, and we especially hope those of you in the five-state area will all plan to attend.** As most of you know, our Regional has the largest Mart in Texas, as well as the five-state area, with approximately 300 plus tables. We are centrally located and normally have attendees from both coasts. **Peter Crum**, our General Chair, and **Mark Vozar**, Co-Chair, have been hard at work planning for another great Regional this year. We are always thinking of something new and different that we can do to make each year a little special so let me mention a few of the things we are planning.

*(continued on Page 4)*

## FEBRUARY 2010

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## Upcoming Events

**March 5-6, 2010**

**Lone Star Regional**  
Mesquite, TX

**May 16, 2010**

**Spring Social**  
Betsy & Joe  
Veneziano's  
Carrollton, TX

**June 12, 2010**

**Chapter 124 One  
Day and Annual  
Meeting**  
Grapevine, TX

**June 16-20, 2010**

**NAWCC National  
Convention**  
York, PA

## Directions to Grapevine One Day Show & Classes

Take HWY 114 to Grapevine. Exit on South Main heading North to Downtown Grapevine at the railroad tracks. Turn right into the parking lot with the historical railroad depot and museum. The address is 701 South Main and the place is the Founders' Building.

**2010 LONE STAR  
~~~ REGIONAL ~~~**

**...Friday March 5th and Saturday March 6th...**

**Friday March 5th, 2010**  
**7:00...Unload and Setup**  
**7:00...Registration**  
**8:00...Mart and Exhibit Open**  
**5:00...Mart and Exhibit Close**  
**6:00...Banquet Auction 7:30**

**Saturday March 6th, 2010**  
**8:00...Registration**  
**8:00 Mart and Exhibit Open**  
**3:00 Mart and Exhibit Close**  
**3:30 Security Ends**

**Thursday March 4th, 2010**  
**2:00...Unload Only**  
**4:30...Mart Closes**

Hampton Inn (on site) 1-800-HAMPTON or 1-972-329-3100  
 ..\$88 Single or Double or \$108 for Suite (Double or King)

Mention NAWCC For Discounted Rate.

Holiday Inn Express...1-972-288-9900      Super 8 Motel...1-972-289-5481  
Spanish Trail Inn...1-972-226-9800      Marriot Courtvard...1-972-681-3300

**PRE~REGISTER NOW AND SAVE!**

Registration \$30 at the door.

**For More Information Contact Gene Meysenburg at 214-328-1984 or email [gm1000@prodigy.net](mailto:gm1000@prodigy.net)**

Tables reserved by Groups must be received in one envelope. All registration received by February 23, 2010 will be confirmed by mail and **Refunds will be granted until March 4th**. Tables must be setup and displayed in the MART. Only Horological items may be Bought and Sold in the MART. No pets allowed in the MART except for guide dogs with visually impaired persons. Only Members of NAWCC, their spouse and their children under 18 will be admitted to the MART. NAWCC Members and Officers are not responsible for any loss, damage, injury during this Regional.

**NAWCC Regional Convention Rules will govern.**

**Please print all entries. For additional space, use separate sheet.**

NAME \_\_\_\_\_ **NAWCC Number** \_\_\_\_\_ PHONE \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_

SPOUSE's NAME OR NICKNAME \_\_\_\_\_

|                                                                      |       |              |       |
|----------------------------------------------------------------------|-------|--------------|-------|
| Mart Admission for NAWCC Members or Spouse for Pre-Registration..... | _____ | @ \$25.00 ea | _____ |
| Mart Admission for NAWCC Members' Children FREE.....                 | _____ | ~FREE~       | _____ |
| Mart Table Registration (30" X 95") * foot table.....                | _____ | @ \$35.00 ea | _____ |
| Banquet Dinner (Pre-Registration Only).....                          | _____ | @ \$25.00 ea | _____ |
| Check Number _____                                                   |       | Total        | _____ |

Payment in US Currency or Check Only

Make Checks Payable to "LONE STAR CHAPTER 124"

mail to Gene Meysenburg 11028 Creekmere Dallas, TX 75218

If you have a library near you that might be interested in hosting the exhibit, please contact Evelyn and Hugh at [evelyn.slough@sbcglobal.net](mailto:evelyn.slough@sbcglobal.net).





Tales from the Bench

Mr. Dan Henderson, a Senior Manufacturing Technology Engineer at 3M, developed this formula for springs:

by Ferdinand Geitner

A Question of Power

A common occurrence, a mainspring is broken and nobody knows if it was the original or someone already replaced it with a different size and strength. How does one determine the right size and correct strength (torque) for the mechanism.

On movements with closed (or running) barrels, one can measure the inside depth of the barrel (subtracting the thickness of the barrel lid) to obtain the correct width. Then measure the inside diameter of the barrel and the thickness of the barrel arbor to calculate the length.

One can still order mainsprings for American clocks by make and model but it is preferable to understand the design parameters to determine the overall spring dimensions.

On open spring (no barrel) American clocks you measure the distance between the plate and the greatwheel (taking a little off for play) to obtain the correct width. The average American clock tends to be overpowered to compensate for cheaper manufacturing and therefore higher friction.

But this does not apply to French, English or German clocks where the gearing is cut much more precisely and smoother which makes the transfer of power more uniform.

I do have one exception, English fusee clock movements. This includes Skeleton, Pub, and Bracket clocks from the 1800s that have a strong spring and if one replaces it with the exact same dimensions they will actually be overpowered as the elasticity and torque of the same size modern springs is far superior to the original.

In some Skeleton clocks that I have restored, the anchor actually struck the bottom of the escape wheel due to too much power, creating erratic timekeeping, gaining at the end of the week due to the Fusee overcompensating the power curve.

In general, the strength of a spring is proportional to the cube of the thickness: if you double the thickness, the spring is eight (2 x 2 x 2) times stronger. The width is directly proportional to the strength: if you double the width, you double the strength. This assumes, of course, that the steel and the temper are the same in both springs being compared, which cannot easily be ascertained, but we can at least use this information as a guideline at the bench.

This formula can be used to determine the correct mainspring length:

$$L = \frac{\pi}{2T} (R_b^2 - R_a^2)$$

Where L is length, T is thickness, R(a) is the arbor radius (half the diameter of the arbor), and R(b) is the barrel radius (half the inner diameter of the barrel).

$$f = kbh^3$$

Where *f* is force (or strength), *b* is the base (or width of the mainspring), and *h* is the height (or thickness of the mainspring). *k* in the above formula is a constant, or a number. It reflects other factors that affect the strength of the spring. These include the shape of the spring, the temper and composition of the metal, variations in thickness along the length of the spring, whether the spring is new or several years old, to name a few. Since it is very unlikely that two springs will be of the same temper, etc., this formula does not provide a precise measure of strength: it can, however, provide a guideline for a clockmaker, comparing two springs that appear to be similar, such as two new mainsprings from the same manufacturer, but of different thicknesses.

$$f \% = \frac{\left[\frac{h_1}{h_2}\right]^3}{\left[\frac{h_2}{h_2}\right]^3} = \frac{\left[\frac{0.014}{0.018}\right]^3}{\left[\frac{0.018}{0.018}\right]^3} = \frac{0.47}{1} = 47\%$$

This means that the 0.014 inch mainspring has 47% of the strength of the 0.018 spring. I would be very careful in replacing a mainspring with one that is less than half as strong as the former.

Timesavers is selling a new mainspring for American clocks, part number 18790. It is 3/4" wide, 0.0165" thick, and 96" long. By the above formula, we can approximate it to have 77% of the strength of a similar 0.018" thick spring. If you believe that the mainspring in your American clock is too strong, I recommend that you try this mainspring. I have used it several times. I feel that a more moderate reduction in power would be more prudent.

Tributes to Mark Headrick

(This article is reprinted with the kind permission of the author and NAWCC Chapter 190 of Ventura County, CA.)

Ferdinand Geitner is an FSW Instructor of the NAWCC, and one of the featured speakers at the 2010 Lone Star Regional.





### January 2010 One Day and Mart

Clocks and watches were bought and sold, old acquaintances were renewed, and Gerald Greener gave a very informative lecture on the intricacies of repairing Cuckoo Clocks.

#### President's Message

(continued from Page 1)

First of all, please pre-register as this makes it easier for everyone—especially you as an attendee. We have enclosed a Pre-Registration Form in this newsletter; however, you will also find a Registration Form in the December 2009 Mart, as well as on the Chapter Website – [www.Chapter124.com](http://www.Chapter124.com). Those who register by February 23<sup>rd</sup>, 2010 will be confirmed by mail and refunds will be granted up to March 4<sup>th</sup>. The Host Hotel is the **Hampton Inn** and you may make reservations by phoning 972-329-3100 or 1-800-Hampton. Mention the NAWCC for Special Rates of \$88 for a standard room or \$108 for a Suite and this includes a hot Breakfast. Reservations must be made by February 22, 2010 in order to get the NAWCC rate. Make your reservations now in order to have your room guaranteed at the special rate.

**Unloading only** will begin on Thursday, March 4<sup>th</sup>, from 2:00 PM until 4:30 PM; however, set-up is available for those with four plus tables with prior approval. The Mart begins at 7:00 AM on Friday morning, March 5<sup>th</sup>, with unloading and set-up before our 8:00 AM shot-gun start which means the Mart is open for one and all.

During the day on Friday and Saturday, March 5th and 6th, there will be lectures by **Ferdinand Geitner** of Santa Barbara, CA on “A Review of Some Bad Clock and Pocket Watch Repairs,” “Development of Pocket Watches” and “Vienna Regulators and Their Development.” NAWCC Chair **John Hubby** will give an educational on “Dating Gustav Becker Clocks: The Whole Story.” There will be something for everyone, including Free Hands-On Workshops and Demonstrations throughout both days in the Mart chaired by **Mike Dempsey** of Elm Grove, WI. The workshops are something different and one example will be making Micro Taps & Dies. These workshops are available for all, so make plans to attend several! You will definitely pick up some tips from Mike.

As always, we will have a lot of Silent Auctions, Door Prizes of all kinds, as well as a **Grand Door Prize of a two-weight Vienna Regulator** to be given away on Saturday morning. There will be a Cash Bar on Friday evening beginning at 5:00 PM prior to the Banquet at 6:00 PM. We are planning another seated dinner for our Banquet, and these past two years have been so successful, that we are anticipating the same again this year. If you have not attended before, you are missing out! **Bruce Wooldridge** will be our Auctioneer for our annual Regional Auction beginning at 7:30 PM, with previewing from 5:00 PM—6:00 PM. Our auctions are a no reserve, absolute auction. The highest bidder gets the item and the seller donates 10% of the sale to Chapter 124. The Regional Auction, with 90% of the items coming from a private collection this year, brings people in from all over (not just the DFW area), so the attendance is always very good. You will definitely see buyers walk away with a smile!

**John Erickson**, our Educational Director, is planning an exhibit this year on **Seth Thomas City Series Clocks**, as well as other Seth Thomas clocks. There are also plans to hopefully have the **McClintock Street Clock** as well as the Master Clock at the Regional for all to see, before donating them to the City of Grapevine. A special “Thank You” to **Bill Edwards, Chair of the Street Clock Chapter Project**, as well as to **Byron and Annette White, Bill Andrie, Bruce Wooldridge, Chuck Edwards, Peter Crum, Phil Gregory and the others who have assisted in making this project possible!**

We definitely need volunteers to make our Regional successful, so please contact **Peter Crum** or **Mark Vozar** if you are able to assist. We are counting on your support!

Last, but not least, we hope to see you at the Lone Star Chapter 124 Regional, March 5th and 6th, 2010 for some buying, selling and fun times, as well as great Texas hospitality!

Happy Valentine's Day!

*Pam Tischler*

**APPLICATION/RENEWAL FOR LONE STAR CHAPTER 124, NAWCC**  
*An educational group dedicated to preserving and understanding horology.*  
Complete and send with applicable check made payable to: Lone Star Chapter #124  
To Gene Meysenburg gm1000@prodigy.net, 11028 Creekmere, Dallas, TX 75218

Please PRINT:  
  
Mr.\_\_\_\_ Mrs. \_\_\_\_ Ms. \_\_\_\_ (Please check appropriate blank.)  
  
NAME \_\_\_\_\_  
NAWCC # \_\_\_\_\_  
  
STREET \_\_\_\_\_ PHONE \_\_\_\_\_  
  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_  
  
E-mail: \_\_\_\_\_  
  
I'm most interested in \_\_\_\_\_


Check appropriate box:  
☐ **New #124 Member**  
☐ **Renew my membership**

*Dues are \$10 per year.*  
Yrs @ \$10 =  
Join/renew for 1-5 years

To join Chapter #124, you must be an NAWCC member, or have applied for NAWCC membership. Have you applied for National membership, but haven't gotten a membership number? Check here \_\_\_\_\_. (Date of your application/check to National.)

**David Tips Volunteer of the Year Award**  
Who would you like to nominate for this special Chapter Award? We have so many members who donate, or have donated their time, to the Chapter that it is difficult to choose just one individual. The Nomination Form is in the December Chapter Newsletter as well as on the Chapter Website. The nomination form is due to **Chuck Edwards, Chair of the Awards Committee**, on or before **February 18<sup>th</sup>**. Please submit your nomination now for a deserving fellow chapter member! If you have questions about the form, please contact Chuck Edwards or Pam Tischler, as

both will be willing to assist you.  
Past recipients include:  
  
**Gene Meysenburg—2008**  
  
**Bill Andrle—2009**



| Upcoming Education Classes                                                                                                                                                                                                                         |                                                        |                         |                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------|
| Location for Classes: Founders' Building, 701 South Main, Grapevine, TX<br>Check Chapter 124 Website @ <a href="http://www.chapter124.com">www.chapter124.com</a> for any changes or updates.<br>(*Note: Time of classes is normally 9 am to 5 pm) |                                                        |                         |                                                                               |
| CLASS                                                                                                                                                                                                                                              | DATE                                                   | COST                    | INSTRUCTOR                                                                    |
| Open Workbench                                                                                                                                                                                                                                     | February 27, 2010                                      | \$5                     | Mark Vozar<br>For information:<br>972-399-9894                                |
| Dial and Reverse Glass Painting                                                                                                                                                                                                                    | March 20-21, 2010<br><br>At Karen Summerville's studio | \$20<br><br>materials   | Phil Gregory &<br>Karen Summerville<br>Phil Gregory-Registrar<br>972-717-4021 |
| Weight Driven Clock Repair 400                                                                                                                                                                                                                     | March 27-28, April 3-4, 2010                           | \$120                   | Phil Ball &<br>Mark Vozar<br>Phil Ball-Registrar<br>972-889-9338              |
| Pocket Watch Repair                                                                                                                                                                                                                                | April 10-11, 2010                                      | \$60                    | Bill Andrle &<br>Clinton Kleen<br>John Erickson-Registrar<br>972-985-0855     |
| Kitchen Clock Repair 100                                                                                                                                                                                                                           | April 24-25, May 1-2, 2010                             | \$120                   | Mark Vozar<br>Mark Vozar-Registrar<br>817-399-9894                            |
| SWCC Self Winder (NY:WU) Repair                                                                                                                                                                                                                    | May 8-9, 2010                                          | \$70*<br>*Includes book | Marybess Grisham &<br>John Acker<br>John Erickson-Registrar<br>972-985-0855   |



NAWCC Chapter #124  
**LONE STAR**  
11028 Creekmere  
Dallas, TX 75218-1950



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February 2010

## **2010 Lone Star Regional**

### **March 5th & 6th**

### **Registration Form**

### **!!!See Details Inside!!!**

## **Welcome New Members!**

Linda Langston  
Alex Stone

Colleyville, TX  
Waxahachie, TX

In Memory

## **Jimmy Don Busby**

April 24, 1935—December 7, 2009

## CLASSIFIEDS

### **CLOCK PARTS MADE NEW OR REPAIRED**

Wheels, pinions, barrels, etc.

◆ Richard Cox, CMC, CMBHI (29585) ◆

FENDLEY & COX'S CLOCK SHOP

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972-986-7698

6-2010

### **Atmos Clock Repair & Complete Restoration**

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Floyd Ennis 972-436-5724

One Year Warranty on all Labor

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Your **SHERLINE** Dealer

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Pete Cronos

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PETESWATCHES.COM

4-2010

### **!Auction Items Needed!**

**Do you have an old clock, watch or tool  
that you are ready to part with? Or an entire  
collection? Why not let the Chapter auction  
these items for you?**

**Contact Bruce Wooldridge by e-mailing:  
bawool@suddenlinkmail.com  
or phoning 903-839-3386.**

Printed or typed ad copy must reach Editor by March 2, 2010 for inclusion in the April 2010 NEWSLETTER. Must include your name, address and NAWCC number! Send to Editor, 1426 Hollywood Avenue, Dallas, TX, 75208. Include check to "Lone Star Chapter #124" in the amount of \$5 per issue. Ads are "business card" sized.

The Lone Star News is mailed to all Chapter 124 members at no cost. Non-members may subscribe at the rate of \$8.00 per year. Mail subscription requests with payment to: Editor, Lone Star News, 1426 Hollywood Avenue, Dallas, TX, 75208. Checks payable to: Lone Star Chapter #124.