



Free State Chapter 141

MD, PA, VA, WV

April / May – No.2014-03

Chapter 141

Officers

President

Lou Orsini

Vice President

Bob Rothen

Treasurer

Neil Amrine

Secretary

Patsy Rothen

Newsletter Coordinator

Al Bush

Webmaster

Alex Snouffer

Board of Directors

George Hudson

Frank Goad

George Tresansky

For more information about the chapter, you may contact the President Lou Orsini by email

oh2batc@verizon.net

or phone 703-352-7260.

Newsletter questions or feedback should be addressed to Al Bush at:

agbush172@verizon.net

or 410-531-5307.

Website questions or feedback should be addressed to Alex Snouffer at:

arsnouffer@gmail.com or 301-797-6133.

President's Message

Wow, I think we finally have winter in our rear view mirror for this year; it's been an interesting season with more snow than we've seen in years and several weather records set. I'm not sure whether or not this is all about global warming, but I do think that we're into a new and more extreme weather cycle. But regardless of weather patterns, the sports world stays on schedule with an unbelievable college basketball final (who in their right mind would have picked a 7 and 8 seed to meet for the championship?); hockey and pro basketball playoffs about to start; and with baseball officially underway, can summer be far behind?

Due to a variety of conflicting circumstances, I now have missed the last two meetings and our joint meeting in Woodsboro, for which I apologize. It is unfortunate that sometimes life gets in the way of pleasure, but (at least so far), my schedule looks clear for being at the May meeting. Speaking of which, our **next meeting is Wednesday, May 14**, and I hope you all are better at de-conflicting your schedules than I have been these last four months. Please take the opportunity to **bring a friend, colleague, co-worker, neighbor or anyone else who might be interested in joining us**. It's a good deal for your guest (adult, non-family member), who gets a free meal out of it, and potentially good for you (also a free meal if your guest joins NAWCC and the Chapter), and definitely a good deal for the Chapter as a whole. When we get new members, everyone is a winner.

I am pleased to announce officially that we have created a new position of **Chapter Webmaster**, which **Alex Snouffer** has volunteered to fill. Those who regularly participate in meetings know Alex as a wonderful young person and a sponge when it comes to learning more about the profession; he embodies the future of this organization. I expect that he will be making some much-needed improvements to our website. If you have any thoughts, ideas or questions regarding our website, Alex is anxious to hear from you.

Finally, as always, please **remember our brave men and women serving in so many different roles in Afghanistan**, and other dangerous places throughout the world. It seems like every day brings more bad news from some hot spot around the globe, and yet another challenge for the United States. Because all Americans are potential victims of the fallout of any of these crises, it is critical that our service members, diplomats and aid workers continue to engage in some extremely challenging environments to protect American interests and improve our security. Please keep these dedicated professionals and their families in your thoughts and prayers, every day, until they return home. I also ask that you take the opportunity whenever you can to say thank you to our military and civilian public servants; it means a great deal to them to know that we really care.

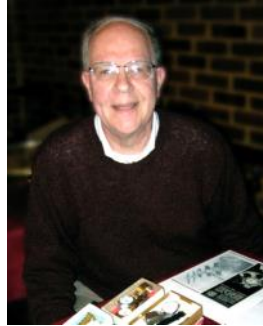
Lou Orsini, president

Our next meeting will be Wednesday, May 14th 2014 at The Cozy Inn

Minutes of Freestate Chapter 141 – 12 March, 2014

Vice President Bob Rothen opened the meeting informing the group that President Orsini was not available and Treasurer Amrine was called out of town. Member Alex Snouffer was also unable to attend but informed the membership that he has been agreeable to be the Web Master for the club so a position was created for this task. Everyone introduced themselves and gave a short synopsis of their many and varying interests. The membership was informed the Joe Lubozynski collection of clocks will be auctioned on Memorial Day at the Johnsville Auction House. More information will be provided at the May 2014 meeting.

Frank Goad gave an interesting program on "Pocket Watch Components" - Appropriate Parts and Cases for a Movement. The whole idea is to 1. Restore watch to its' original manufacture/appearance and functions. And 2. Limit fixing to normal wear. Sources of information for correct original appearance are many, such as brochures, catalogs, advertisements, and price guides, NAWCC bulletins and library, and observe examples of similar watches. Mr. Goad showed various examples of watches with original parts as well as some with matching poor components. He provided various slides with Hamilton Railroad, as well as Waltham and Elgin RR Watches. Another example was an Illinois 60 hour 6 position RR



watch with a 1926 ad. Things to be looked at when fixing includes the movement of parts - 1. Hands, 2. Dial, 3. Winding Wheel, 4. Microregulator components, 5. Barrel, train-wheel, balance wheel, and jewels, and 6. Note degree and quality of finish as well as fit. His slides provided information on various cases and how they should be used, such as a hunting case sidewinder which should always wind at the 3 o'clock position. Other factors to be considered in selection of cases is Hunting or open face case, material, era, style. Case material can be base metal, nickel, silverine, silveroid, etc, rolled gold, plated gold, gold filled (yellow, green white, gold), coin or sterling silver, or solid gold (10K, 14K, 18K). Items to consider on crystals is glass or plastic, contour, and thickness. Many case styles are available such as jointed case, swing ring case, as well as occasionally finding "Loaner" cases, and Display cases. Thanks to Frank for a very informative and interesting presentation. Most of us left the meeting with a greater appreciation of knowing it's not just putting a movement in a case, but finding the right parts and cases to properly restore the many beautiful watches still out there.

Meeting was dismissed with a reminder to always remember those who are serving our Country. Next meeting is 14 May 2014.

—Patsy Rothen

“Treasurer’s Tidbits”

Hi folks!

I would remind all members to send in their dues, if they are not fully paid... dues were due at the end of June. Contact me at Neil54@aol.com, or call me at 301-229-2587 if you have questions. I look forward to seeing everyone at the Cozy's in May. Please be prompt with your RSVPs for the meeting reservations. We will need to know the head count for the meal so reservations can be made.

Thank you!!

Neil Amrine

Attention: It is important also to keep Neil advised of any change in your membership information, address changes, etc. We cannot keep you informed if you don't keep us informed.

FREE STATE CHAPTER 141 MEMBERSHIP-RENEWAL APPLICATION

NATIONAL ASSOCIATION OF WATCH AND CLOCK COLLECTORS

Date _____ NAWCC No. _____ Interests _____

(CLOCKS, WATCHES, TOOLS, OTHER)

Name _____ Spouse's Name _____

Address _____ Phone Number _____

City/State _____ Zip Code _____

Email Address _____

Wish to Receive Newsletter via Email or US Mail

As of January 2007 Annual dues are only \$8.00 payable to Free State Chapter 141. Please send your check with this completed application to:

Neil Amrine, 5621 Ogden Road, Bethesda, Maryland, 20816. Phone: 301-229-2587; email: neil54@aol.com

If you have an interest in clocks or watches you are invited to Our Next Meeting
May 14th, 2014 at the Cozy Inn

CHAPTER 141 PROGRAM FOR MAY 14th, 2014

The May meeting theme for Chapter 141 original program plan did not work out. Bob is working on an alternate program plan but it is not finalized at press time. It will have to be announced later. Whatever it turns out to be, I am sure it will be an interesting program as all his programs have been to date. Plan on attending, we're looking forward to seeing you at the meeting. Come out and join us for a pleasant evening. Just like the food at Cozy's, I have yet to find something I didn't like.

—Al Bush (for Bob Rothen)

Meeting time is ~ Dinner: about 6:15 PM Mart: Come early for the mart Business/Program: follows dinner

MEETING RESERVATIONS: You may use the Meeting Reservation form below to mail in your reservations for the Free State Chapter 141 meetings. Please indicate the meeting date as you complete the form. You may also make reservations via e-mail to neil54@aol.com and providing Neil Amrine with the information requested on the meeting reservation form or by Calling Neil at 301-229-2587 and informing Neil directly. (Please RSVP at least 48 hours before the meeting date)

Cancellation Policy: Our policy on meeting cancellations is simple. If the Frederick schools are closed due to inclement weather on the day of our meeting, we will cancel. Otherwise, you can expect the meeting is on. In the event of a cancellation, Neil will try to contact everyone who has made reservations (especially those who don't live locally), but it's all based on the school decision. (Several Radio & TV stations in the region carry closure information including WMAR 2, WTTG 5, WJLA 7, WUSA 9, WBAL 11, WJZ 13, x 45, & WETA 26.)

Free State Chapter 141 Meeting Reservation Form

Reservation for Free State 141 Meeting on _____

Name _____

Guest Names _____

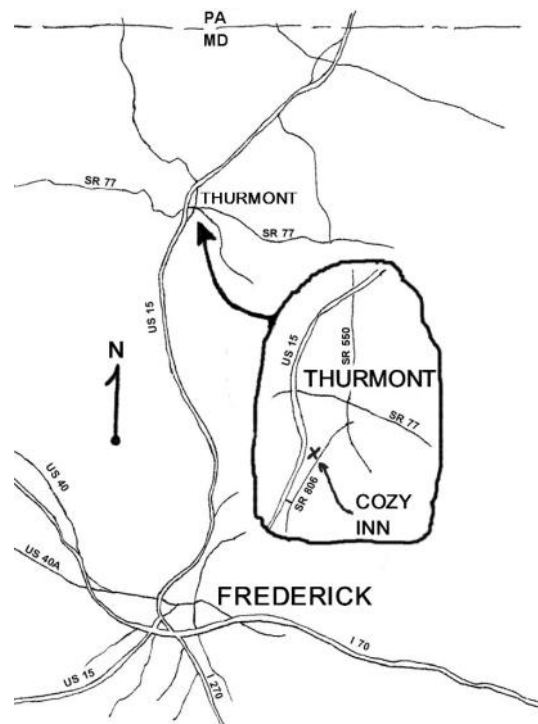
Number coming _____ x \$16.00 = Total \$ _____

Number of Mart Tables _____ (Mart Tables are Free)

Please make checks payable to Free State Chapter 141 and mail to
Neil Amrine, 5621 Ogden Road, Bethesda, Maryland 20816

Phone: 301-229-2587; email: neil54@aol.com.

Directions: Cozy Inn is in Thurmont, about 16 miles north of Frederick. Take Route 15N if coming from Frederick or 15 South if coming from PA. Take the Thurmont ramp to MD806 and go east on Thurmont Blvd (right if traveling north, left if traveling south) for about a quarter mile, then take a left on Route 806 (Frederick Road) heading north. The restaurant is about 0.4 mile on the left. If you need additional directions please call the Cozy Inn at 301-271-7373.

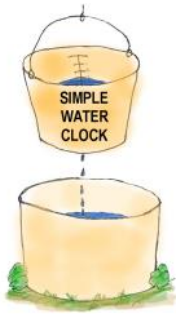


Horological Talk & Tips

Water Clocks

I have been thinking about different kinds of clocks and watches. There are candle clocks, its burning rate actually determines time. In ancient times the Chinese had incense burners that were calibrated in time. The sun dial or its predecessor the shadow clock was another early one. Then there were many types of water clocks developed. Some of the water clocks were very interesting and even animated. If I wanted to build a water timer or clock, what are the things I would have to consider? First, I would need a power supply or energy source. Second I would want something to provide regulation so the time measurement would be evenly done or linear. Then I would need something to provide a readout or indicator of the time as it passes. These would have to be combined in some practical way and have some element of convenience.

The simple way would be to take a bowl of some sort and make a very small hole in the bottom of it, fill it with



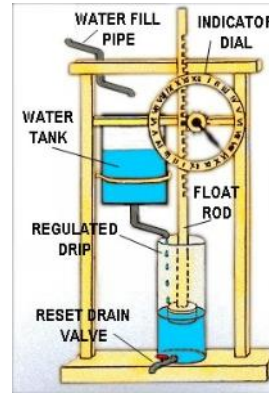
water and as the water leaks out the level of water in the bowl will descend. I simply mark the level on the inside of the bowl at uniform time intervals to indicate the passage of time. To calibrate the time piece I would mark the full line when the bowl is first filled and also place a stake in the ground and mark the position of its shadow at the point in time the bowl is

filled. Now I wait until the same time the next day that the shadow has reached the shadow point I marked when we started and mark the bottom water level. This established the one day time interval. If we decide to divide our day into 24 intervals we now divide the distance between the full water line and the bottom water line into 24 points and thus we have a crude form of a water clock. It could be divided to show half and/or quarter hours as well. This would be an improvement over the shadow clock whose accuracy would change with the season and not even be available on cloudy days or at night.

This type of clock would depend on the frequency of the dripping drops of water. If it was “running” too fast one would have to reduce the hole size or if too slow make the hole larger. However if the clock was calibrated over one day it should not require adjustment. If in the calibration process the bowl was emptied before one day had elapsed or had not emptied nearly enough one might at that point have to enlarge or reduce the size of the hole. Think about what kind of repair a clocksmith

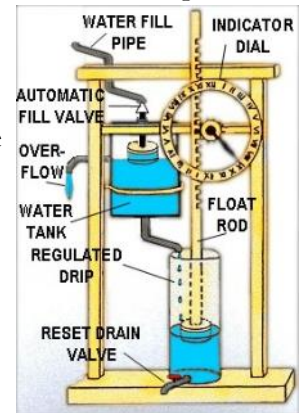
might have to do for a water clock. The bowl could crack and leak making it inaccurate. The minerals in the water could form scale changing the size of the hole and thus the frequency of the drips, or the water could evaporate requiring more to be added. I certainly wouldn't need my bench of tools to do that. Oh yes, in the cold northern climate you might have to add salt or something to preclude freezing.

This is a simple clock. Many improvements and more complex designs evolved for the water clock with time.

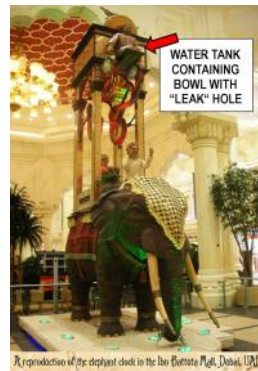


Some of these are shown in the figures below. One point of note is that with water clocks like that shown in the photo at left requires attention to water pressure. The pressure of the water at the bottom of a tank varies with the height of the water above the point of the

leak since the weight of the water above the drain point (leak) determines how much pressure is applied behind the leak and thus how rapidly it will leak. The volume regulated design shown below shows how that problem can be overcome by



allowing more water in from the reserve tank to maintain a constant water level in the clock tank. One last point to share: while scanning the internet for water clocks I found many sites and articles including one from NAWCC. Included was a robotic elephant water clock designed in 1206 AD and recreated in a Dubai Shopping Mall. I also found water clocks for sale at Bed Bath & Beyond. These are small clocks that



require you to add tap water at which point a digital display comes on and the clock comes to life. Some of them even include alarms. These water clocks don't use the water mechanically but depend on the tap water to serve as an electrolyte that completes its internal battery and provides the small amount of electrical power needed to make it work.



Al Bush 2014-03

Personal Postings For Chapter 141 Members

INTRODUCTION: This page is for Chapter 141 members to post horological questions, ads, or notices at no charge. The Newsletter Advertising Policy is repeated here for your convenience. It has been defined and will be on file with the Chapter 141 records for viewing. Updates will be posted from time to time as needed.

Members submitting information for posting will need to provide the information in a form that can easily be conveyed to NAWCC Headquarters for editing, printing, and distribution. It is not intended that any editing will be required for information you submit. The information should be submitted in Microsoft WORD file format as a .doc or .docx file by email to albushWLIVE@hotmail.com. This email address will be checked for input when the newsletter is prepared to send to press. If you do not have access to a computer, I suggest you contact a friend and seek their help to prepare and email the posting for you. Sample postings to give you an idea of what can be posted in a 2x3½" space were given in the June-July issue of this newsletter. Effort will be made to maintain your posting, wording and presentation as you have submitted it.

PERSONAL POSTINGS

LOOKING FOR SOMETHING OR HAVE SOMETHING SOMEONE ELSE NEEDS ?? ----- POST IT HERE !!!!!!!!!!!

WANTED: I am looking for an early 1800s grandfather clock for a friend who is buying a house of that vintage. Please contact Lou Orsini with photos and or description at oh2batc@verizon.net.

SALE – SALE – SALE -- SALE

NAWCC Member **Harry Burriss** a.k.a. *Mr Clockman* has his entire clock shop for sale **AS ONE LOT**.

"I am moving to an apartment and need to take up a different hobby. Will still remain a NAWCC member." He is a member of Chapters 141, 158 & 1.

A collage of some of the items for sale is shown here. They comprise a small cross-section including Boley Clock Lathe, Ultrasonic cleaning tank, assorted metal

stock, Cummins Lathe, many assorted hand tools, MicroSet testing instrument, Sherline milling machine, Webster spring winder, Bench drill press, drawers of assorted parts and much much more.



Harry can be contacted at cdrsuppo@hotmail.com or 717-352-7760.