



Next Meeting

The next meeting will be held on Sunday March 25 at the Qualicum and Graham Park Community Centre on Esquimalt Avenue in Graham Park, commencing at 1:30 pm (Doors open at 1:00 pm)

On the program will be a talk and demonstration by Jim Armstrong on how he photographs horological items. In addition, Allan Symons has promised to bring along some examples of New Haven Canada clocks from his museum, and he will be talking about them and the New Haven Canada Gingerbread case for which new member Luc Laurin is seeking a movement.

The remainder of the program will be given over to Show and Tell, and all members are invited to bring along any items of a horological nature and to be prepared to talk about them if only for a few minutes.

There will of course be the usual Mart and Display tables, so don't forget to bring along items for these also. Don't forget that friends and visitors are welcome at our meetings.

Clock Repair Instruction

Based on discussions at the January meeting, and subsequent input, Dan Hudon has drawn up proposals for a series of Workshops and a Learning Clock Repair Course. Dan's detailed proposals and outlines appear on pages 3 and 4 of this issue.

As such things take time, preparation, and commitment of facilities and materials, it is essential that Dan knows in advance, how many will actually be participating in each Workshop/Course before he can make the final arrangements. Therefore, for the proposed workshop on lathes, and the Learning Clock Repair Course, it will be necessary to have participants signed up by the end of the March meeting. So if you are definitely interested, come along and see Dan at the meeting. If you have any questions, or cannot get to the meeting, you can telephone Dan at 820-8039, or you can speak to Maynard Dokken at 829-1565.

Timely Quotes

Why is the third hand on a watch or clock called the second hand? *Unknown.*

The Bytown Times is published five times a year by the Ottawa Chapter 111, National Association of Watch and Clock Collectors, 14 Kinnear Street, Ottawa, Ont., K1Y 3R4. Telephone (613) 728-1242. Maynard Dokken, President.

Bill Pullen, Vice President.

Ben Roberts, Secretary.

Charles Beddoe, Treasurer.

Immediate Past President: Dan Hudon.

Allan Symons, Program Director.

Peter Bomford, Public Relations.

Ben Roberts, Editor, Bytown Times.

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The Chapter meets five times a year on the fourth Sunday of the months of Jan., March, May, Sept., and Nov., at 1:00 pm. Annual dues \$16.

Membership in the NAWCC is obligatory.

Association dues: U.S. \$50.

Last Meeting

The last meeting was held on Sunday January 28 at the Qualicum and Graham Park Community Centre.

Some 40 people attended and the main items on the program were a silent auction and a talk by Jim Armstrong on Selling on the Internet.

President Maynard Dokken introduced and welcomed visitors Luc Laurin from Ottawa, and Peter Kushnir from Montreal, both of whom later became Chapter members. Maynard also extended the Chapters best wishes to Wim Vilé and Peter Bomford, two of our members who are currently in hospital:

A donation of \$75 had been made to the Community Association by the Chapter as a gesture of thanks for the use of their facilities for our meetings.

Dan Hudon led a discussion regarding the possibility of providing some form of Clock Repair instruction. Members were asked to indicate their interest, and a series of workshops appears to be the most popular choice at this time. Dan will continue discussions with interested members in order to establish firm requirements.

Once again our annual Chapter auction proved to be very popular. Some fifty items were on the block, ranging from complete clocks and watches to individual movements and tools, as well as advertising booklets and magazine articles on Canadian clocks. Not all the items attracted bidders during the silent auction, but by the end of the meeting, thanks to the efforts of Maynard Dokken, all items were finally sold. The Chapter is grateful to Michael Mazer who sent along several items for the auction, the proceeds from which he donated to Chapter funds, and to Bryan Hollebhone who also donated the proceeds from his sales.

Judging from the obvious reaction of the members, the talk by Jim Armstrong on 'Selling on the Internet' was very well received, and everyone obviously found the subject most interesting and informative. During the talk Jim mentioned his use of pictures of watches for sale on the net. This led to a promise that he will give a talk on the subject of photographing watches at a future meeting.

Allan Symons drew attention to the NAWCC Members Forum which can be found on the Internet at www.nawcc.com. Any issues concerning the NAWCC, its services, its structure, its events, its policies etc. can be addressed at this site.

Bill Pullen, who, in the absence of Charles Beddoe, did an excellent job as acting treasurer, asked for a source of quartz movement repair. Jordan Renaud supplied the name of Bill Bree who is located in Sterling, Ontario. His telephone number is (613) 395-1584.

Charles Locke showed two Pseudo Canadian Railroad watches and Ernest Boldt showed a gold watch with an inscription identifying it as a Sun Life Insurance Co. presentation watch.

Gary Fox with items from the estate of the late Larry Beaudoin, and Leo Savant with watches, tools and watch parts for sale, both provided Mart tables.

Seen at the Last Meeting



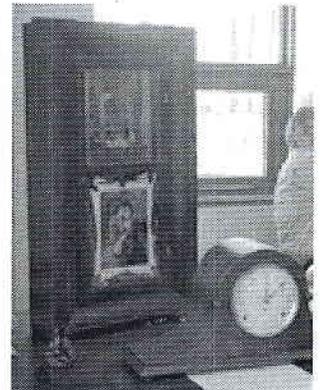
Chapter President Maynard Dokken opens the meeting



Members were interested in both the auction items and Gary Fox's Mart Table.



Items on the auction table proved interesting.



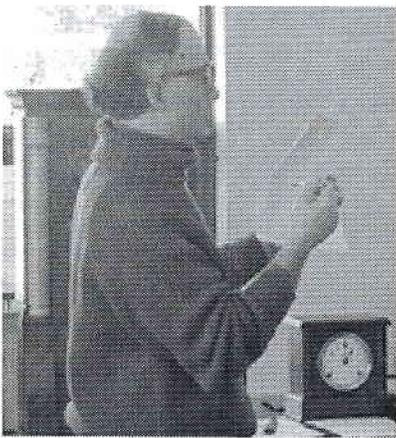
There was a variety of clocks on the auction table.



More items for auction, and the Savant Mart Table



Members delve into the items on the auction table

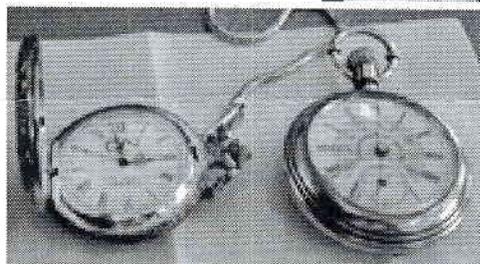


Left: Allan Symons talks about the NAWCC Members Forum on their Web site.

Right: Charles Locke stands to talk about his two pseudo Railroad Watches during Show and Tell.



President Maynard Dokken re-energized the silent auction and succeeded in getting all the items sold.



Left: The pseudo railroad watches belonging to Charles Locke



Jim Armstrong talks about 'Selling on the Internet'



Jim was asked many questions during his talk, and members showed obvious interest in the subject

F & J Grant of Ottawa

By Gary Fox



The above photograph is of the watchmakers' shop of Francis and James Grant, 391 Wellington St. Ottawa, currently the site of the National Archives of Canada. The Grant family has a long history of watchmaking in Ottawa.

The 1851 Canadian Census records that Edward Grant, watchmaker, was living in Ottawa with his wife Eliza, his sons Francis, James and Henry, and his daughters Mary and Sarah. Edward's birthplace was listed in the census as Ireland, and he was said to be 36 "at his next birthday." While no address was given in the census record, it was recorded that he lived in a "frame house." Some 10 years later, in the first published edition of the Ottawa City Directory, Edward's shop and home were listed at "Wellington n Bay." In subsequent directories, his home and shop were listed at 321 Wellington St. From 1872 on, there is no further reference to Edward in the City Directories, and two of his sons, Francis and James, took over his business. It is believed that Edward lived for many more years.

A couple of years ago, Ben Roberts reported repairing a Grandfather Clock with a somewhat crude movement that appeared to have been made by hand. The movement plates were engraved respectively: E. A. Grant, Ottawa April 3, 1883-1887-89 and E. A. Grant, June 8th 1887, Queens Jubilee 1889-95. The dial and false plate were made by Osbornes of Birmingham, England. Indications are that the clock was made in the later part of the nineteenth century.

Francis and James appear to have operated the watch-

makers' shop together from 1874 to 1911. Francis carried on alone from 1912 to 1915. There is one interesting anomaly in the City Directories. From 1879 to 1892 the owners of the shop were listed as F. & G. Grant. There was no indication that Edward had a fourth son or that a son of Francis or James became involved in the enterprise. Further, the City Directory was rife with errors that were repeated from year to year. It is most likely that the "G. Grant" was a typo in the directory. It is interesting to note that in 1875, the address of Francis' and James' home and shop changed from 321 Wellington to 391 Wellington. At some point in the 1870's the street numbers in Ottawa were adjusted. It is interesting to speculate whether 391 Wellington and 321 Wellington were in fact the same address.

Successful watchmaker shops often were sold to other watchmakers. This was not the case with 391 Wellington. Given that the same address was used for the shop and home, it appears that the business was simply closed and the family retired to anonymity. It would be interesting to know if the upstairs windows and curtains were part of the Grant family apartments. The photo was provided by Irene Lillico. Francis and James were "great uncles" to the late Isabel Gordon Gamble Gow. Ms. Gow gave the photo of their shop, and a Grandfather clock to Ms. Lillico. The clock appears to be English, 8-day weight driven. The dial has a painted country scene which is signed Francis Grant 1876. Thanks to Irene for bringing this delightful picture to our attention at the antique show at City Hall last spring.

and one on Carriage clocks. I therefore offer the following suggestions:

1. LATHES. (Hands-on) (duration: aprox. 1 day)
-cleaning a watchmakers lathe; includes disassembly and assembly.

Clock Repair Classes.

By Dan Hudon

WORKSHOPS

So far, only 6 members have signed up for workshops. Of these six, two want workshops on lathes and equipment, one on cleaning techniques, one on alarm clocks

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Continued from Page 3.

- turning techniques on a micro-lathe and a watch-makers lathe
 - sharpening cutting tools
 - pivot polishing (American and modern clocks)
 - for members with more advanced skills or those willing to tackle a project— make small tools i.e. a lantern pinion punch, pivot beds (skills enhancement project-facing; turning; filing a square; drilling; finding center)
- Other projects such as re-pivoting will be offered depending on time.
- participants must bring a lathe, accessories, tools such as polishing sticks, files, small drill bits; pin vise to hold drill bit; emery paper 400 to 600 grit.; small vise; safety glasses; portable lamp, extension cord.
 - metal will be furnished for the workshop.

Note: I intend to schedule the above course soon, so the final sign up date will probably be the March meeting. I will only prepare and supply resource material for the people who sign up.

2. MOVEMENT CLEANING. (Hands-on) (duration: 1/2 day)

- demonstration of a mechanical system of cleaning
- demonstration of an ultrasonic system
- hand cleaning techniques
- discussion of cleaning solutions and applications
- cleaning wooden movements
- participants will be given the opportunity to clean a movement. Rubber gloves recommended.

3. ALARM CLOCKS. (1 meeting) -this could be scheduled as part of a regular meeting -discussion of mechanisms and general repair techniques -emphasis on variety such as animated, musical, anything unique and interesting.

4. CARRIAGE CLOCKS. (1 meeting) - Again this would be more suited as a presentation at one of the meetings.

-general information.

CLOCK REPAIR COURSE

Three members have so far signed up for this course, and two of them do not own lathes. Therefore I will demonstrate repair techniques using hand methods along with the use of specialized tools. I will make a first attempt to start the course in April/May depending on continued interest and availability of participants and suitable facilities.

Course Outline:

This is a hands on course designed for the beginner. It is intended to develop the necessary basic skills and confidence needed to repair less complicated clocks. The student will actively examine, disassemble, repair, make adjustments, re-assemble and regulate the movement.

The student will be given projects and may retain all tools or parts he or she makes.

Method Of Instruction: Demonstrations, lecture, technical sheets, practical work.

Tools: Each student should bring tools such as files- # 3 cut; eye loop or visor; safety glasses; bench vise; screwdrivers with thin blades; steel rule; tweezers; small hammer; small pliers; set of needle files;

Optional but useful tools to have: jewelers saw frame and blades; cutting broaches; pivot file and burnisher; clock oil; let down keys; scribe; Exacto knife; drill

bits

1- 60; small lathe; soldering iron and soft solder;

1 - Skills Development:

- file a square; file tapered pins
- make a let-down key; make a clock oiler
- harden and temper steel
- make one or more punches
- learn how to repivot
- learn how to replace a missing tooth in a clock wheel
- fabricate a click and a rivet

2 - Introduction to the Hour and Half Hour Striking Clock.

- nomenclature; count wheel; rack and snail;
- understanding the function of the parts
- observation of the movement for damage/determination of the work to be done
- disassembly of the movement

3 - Cleaning.

- cleaning solutions
- techniques
- pegging the holes

4 - Pivots and Pivot Holes

- polish pivots (American and Modern German movements)
- bush worn pivot holes.
- locate proper center
- repivot/straighten bent pivots

5 - Main Wheels.

- handling mainsprings with and without barrels
- repairing clicks and click springs
- repairing mainsprings/replacing

6 - General Repairs.

- saddle
- clock plates
- replace missing tooth in clock gear
- make a bushing
- gear inspection
- straighten bent gear teeth
- topping an escape wheel
- replacing a pin in a lantern pinion
- clicks and rivets

7 - Escapements.

- recoil
- deadbeat
- adjustments; drop; lock; lift; topping

8 - Lubrication.

- grease/oil

9 - Assembly.

- proper alignment of gears and levers
- endshake
- crutch
- final adjustments

10 - Regulate the Clock.

- put in beat
- timers

11 - Use of Specialized Tools.

- use of a micrometer
- use of a bushing tool
- use of a mainspring winder
- use of staking tools

12 - Reference Material.

- books, calculations and other documents
- internet