

F302 BEGINNING WRISTWATCH CLEANING & REPAIR

4 days of instruction: only \$357!

Tuition \$300 (Payable to NAWCC) + \$57 Classroom Fee (Payable to Chapter 190)

(Non NAWCC members add a \$70 supplemental fee)

Instructor: Ferdinand Geitner

Contact: Weber Wang

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January 27 - 30, 2012

Historic Dudley House • 197 North Ashwood • VENTURA, CA. • 93003

This watch course is designed to familiarize the student with working on a basic, time only, manual wound mechanical watch movement, identifying individual part, their names and function. The student will learn how to hold and use watchmaking tools correctly, get accustomed to focusing on attention to detail and acquire hand-eye coordination which is essential to working on micro mechanical devices. There is no pre-requisite for this course.

Wrist Watch Movement Requirements for F302:

A movement to work with will be supplied by the NAWCC in order to be able to replace parts efficiently due to possible breakage and other damage (which does happen) during class and is part of the course cost.

Limited Class Size!

First come, first serve! Places reserved by pre-payment

to Weber Wang, 1431 S. 3rd Street, #D, Alhambra, CA 91803

Register early... this workshop is sure to fill quickly!



F302 Wrist Watch Instruction

- Wrist Watch Movement Introduction
 - Why Disassemble A Watch?
 - Student Study of Watches & Their Operation
 - Instruction on Tools and Their Use
 - Instruction on Correct Magnification
 - Remove Balance Bridge with Balance
 - Remove Balance From Bridge
 - Disassemble Motion Work
 - Disassemble Winding Mechanism
 - Remove Barrel Bridge
 - Remove Barrel
 - Remove Barrel Arbor and Mainspring
 - Remove Watch Bridges and Gears
 - Remove Pallet (Anchor) Bridge and Pallet (Anchor)
- Identify Watch Parts and Check for Wear or Damage
 - Clean Watch Parts in Cleaning Machine
 - Replace Spring and Barrel Arbor (Correct Lubrication)
 - Assemble Winding and Setting Mechanism
 - Assemble Gears/Pallet and Bridges
 - Reattach Balance to Bridge
 - Oiling/Correct Viscosity Throughout
 - Escapement Alignment and Adjusting/ Timing



Required Student Supplied Tools

- #2 Tweezers
- #5 Tweezers
- Movement Holder
- "Quality" Screwdriver Set
- Dust Blower
- Movement Cover
- Covered Parts Tray
- Rodico Cleaning Putty
- 10 to 12 Power Loupe (both preferred)
- 4 Power Loupe
- Peg Wood (or round toothpicks)
- Pith Wood
- Bench Plate TS #18228 or equivalent
- Bench Light and extension cord
- Oiler TS #23295 or #13248
- Oil Cup TS #20045 or equivalent

NOTE: Some tools are referenced with Timesavers (TS) part number for identification purposes only. It is highly recommended for the student to shop around other tool/parts vendors.

This Workshop Sponsored by NAWCC Chapter 190



Ferdinand Geitner, MBHI, CFI

Born and educated in Austria. Mr. Geitner qualified as a Master Watch & Clock Maker at the College for Horology & Precision Engineering in Karlstein Austria, 1968. He worked for the Omega Agency in Vienna then emigrated to Great Britain. After seven years he became the Senior Technician/Conservation Officer at Prescott Museum for Clocks & Watches, responsible for the Liverpool Museum/Prescott Museum & Horological collection. He has been a guest speaker at an International Conservation Symposium in Greenwich, England. In 1988 he accepted a repair & restoration position in California where he has also lectured for the NAWCC. In 1995 he opened a restoration workshop in Montecito, CA. Mr Geitner holds Omega & Seiko Certification and is a qualified Field Instructor in Horology from the NAWCC School of Horology, PA.