

*4 days of instruction: only \$360*

Tuition \$300 + \$60 Classroom Fee

**Instructor:** Ferdinand Geitner  
**Coordinator:** John Kitchens  
**Phone:** (805) 216-2569  
**email:** steamandtrains@gmail.com



**Friday January 26 – Monday 29, 2018**

*Dudley House Museum – 197 Ashwood Dr. Ventura, CA. 93003*

This is a pocket watch course for entry-level students wanting to learn the fundamentals of watch repair. It contains hands-on practice in component definition, part handling, disassembly, cleaning, re-assembly, minor troubleshooting and testing. Most students have time to work on more than one watch during the four-day session. There is no pre-requisite for this course.

**Pocket Watch Movement Requirements for F301:**

**IMPORTANT:** The only type watch the student can use in this class is a size 16-18, 7-17 jewels, American made + operating Elgin, Waltham, Illinois or Hamilton (it must be running) pocket watch. Some watch movements from these companies were NOT made in America and they are not acceptable for this class. These watch movements can be purchased at NAWCC Regional or Chapter meetings. If you have any questions about the movement for this class you can call the Class Coordinator: John Kitchens at (805) 216-2569 or via email at steamandtrains@gmail.com

**Limited Class Size!**

**First come, first serve! Places reserved by pre-payment**  
**Mike Schmidt: 2317 Eagle Creek Lane, Oxnard, CA 93036**  
**Register early... this workshop is sure to fill quickly!**



### F301 Pocket Watch Instruction

- .. Pocket Watch Introduction
- .. Why Disassemble A Watch?
- .. Instructor Explains Student's Watches
- .. Study Student's Watches & Their Operation
- .. Remove Movement From The Case
- .. Disassemble Hands And Dial
- .. Disassemble Dial Train
- .. Disassemble Winding Mechanism
- .. Remove Spring Barrel Bridge
- .. Disassemble Watch Bridges and Plates
- .. Clean Movement
- .. Identifying Watch Components
- .. Practice Assembly Of The Wheels
- .. Assemble Spring Into Barrel
- .. Assemble Winding & Setting Mechanism
- .. Oiling Watch
- .. Escapement
- .. Review Other Procedures

### Required Student Supplied Tools

- .. Screwdriver Set, TS #16971 or similar
- .. Peg wood; TS #10462
- .. Tweezers; TS #19276; 3c or #5
- .. Oiler; TS #23295 or #13248
- .. Loupe/Magnifier 3 & 5 power or visor with 5 power
- .. Pliers; small chain & flat nose
- .. Hand Remover; TS #15481 or #13427
- .. Bench Blower; TS #15800 or similar
- .. Movement Holder (see picture on NAWCC website)
- .. Bench Plate (White cardboard 14"x10" or TS #18228
- .. Movement Cover (1qt Tupperware or similar)
- .. Bench Block TS #13449
- .. Pith Wood; TS #10459
- .. Bench light # extension cord
- .. Oil cup; TS #20045 or similar
- .. A student made watch assembly bench (see NAWCC website for description)

### Instructor Furnished Tools

- .. Stake Set
- .. Hammer
- .. Cleaner Machine
- .. Cleaning and Rinse Solution
- .. Timing Machine
- .. Power Distribution Cord
- .. Extra Jewel Screws
- .. Set of Student Tools
- .. Screw Driver Sharpener
- .. Oil Stone
- .. Let Down Keys
- .. Mainspring Winder
- .. Demagnetizer
- .. Oil
- .. Grease
- .. One Dip
- .. Screw Slot File

*This Workshop Sponsored by NAWCC Chapter 190*



*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 Prescot Museum for Clocks & Watches, responsible for the Liverpool Museum/Prescot 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.*