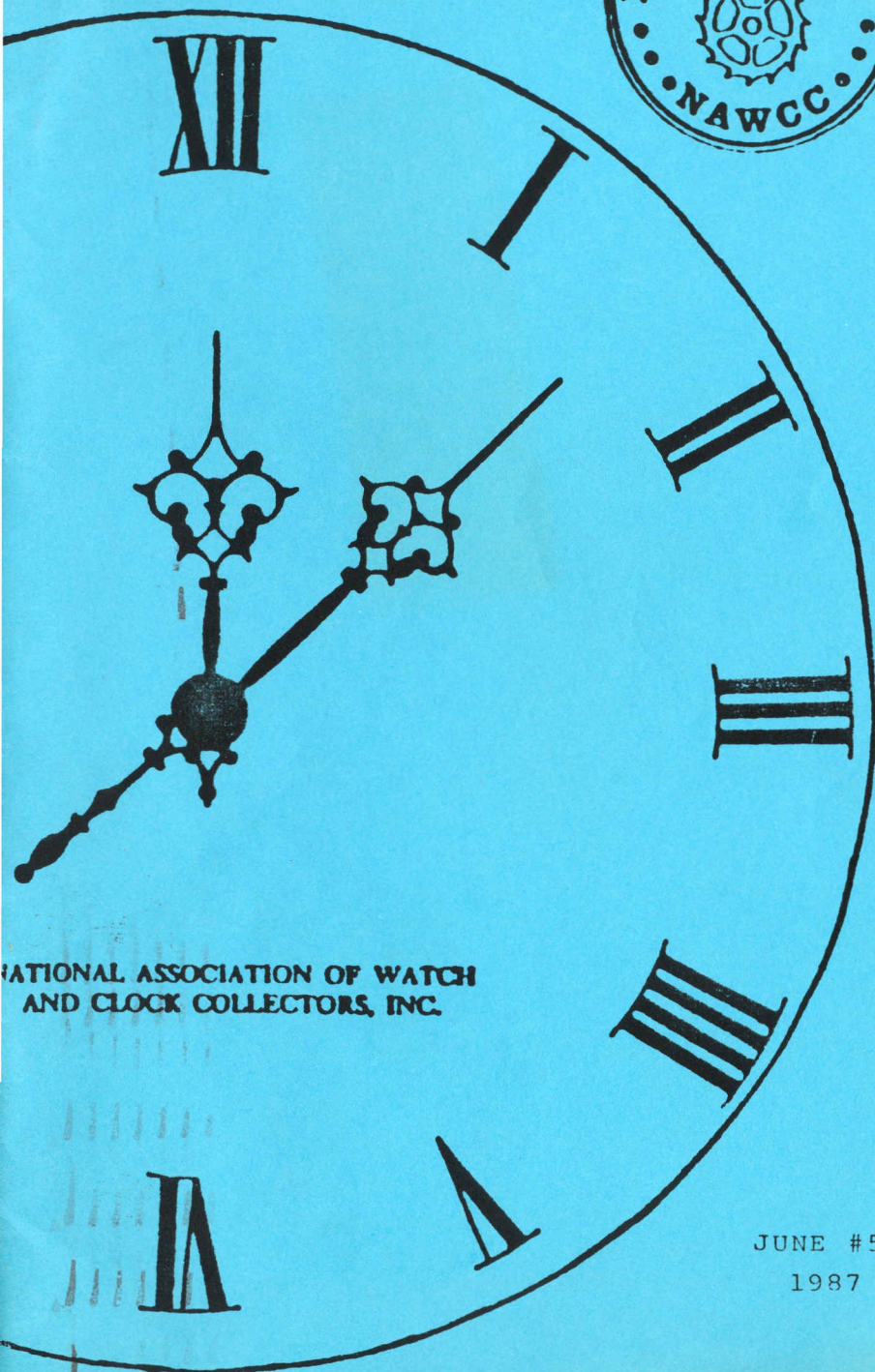
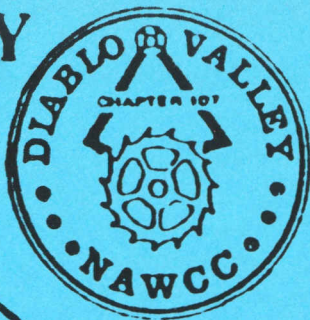


DIABLO VALLEY BULLETIN



NATIONAL ASSOCIATION OF WATCH
AND CLOCK COLLECTORS, INC.

JUNE #52
1987

1987 OFFICERS

President.....John Stohr.....376-6476
Vice-President...Dorothy Glenk..825-9039
Vice-President...Bob MacIver....523-2096
Secretary.....John Sanderson.937-6272
Treasurer.....Tom Mitch.....865-6711

DIRECTORS

Leonard Boone.....228-7916
Jim McElroy.....935-0462
Edwin Okvist.....357-6257
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Roy Holman.....530-5428
Jane Saville.....866-8482

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Membership.....Bob Wahrer....462-4912
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Mart/S. Auction
& Hospitality....Wayne DeLaroche944-9242
Library.....Sandy Cuthill..686-3144
Program.....Dorothy Glenk..825-9039
 Bob MacIver523-2096
Facilities.....John Sanderson.937-6272
 Dick Trautwein.820-3863
Nominating.....Phil Russell...229-2462
Display.....Phil Russell...229-2462
Refreshments.....Bud Ehler.....228-5387
 Roy Holman....530-5428
 Bob Boone.....672-9254
Raffle Drawing...Scott Grabill..672-6892
Photographer.....Fred Cuthill...686-3144

CHAPTER MOTTO: ACCENT ON EDUCATION

Statements of opinion or fact made by the authors of articles appearing in the Chapter publications are to be accepted as the author's own. The Chapter assumes no responsibility for accuracy of its contributors.

PRESIDENT'S MESSAGE

Our April 12th meeting was great! Robert Zimmerman's program on a rusted tower clock he restored & installed in his garage was excellent. His slide presentation took us through the steps from beginning to end, including a new dial & hands. Great talent put to good use! We can thank our program chairman, Bob MacIver for this program. Bob even brought in a small tower clock movement as a demo for the program. (This clock is still available for a new home; see Bob).

Remember we're meeting a week earlier on June 7th because of the National in Anaheim the following week.

Our Chapter will be responsible for Registration for the "Golden Gate Western Regional 88 in San Jose. This is a big job & needs a lot of help. Let me know if you're available to help out.

John

Meeting Information:

Date: June 7, 1987

Where: Pleasant Hill Comm. Ctr.

Mart Set-up: 11:30 AM

Mart Begins: 12:00 Noon

Program: Celluloid Clocks

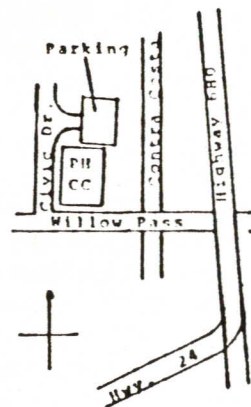
Meeting Begins: 1:00 PM

Display Theme: Celluloid Clocks

Annual Membership \$15

Non-Member Donation \$1

Mart: Free
(to all members of the
Chapter)



From your President:

June's program will be a Bob MacIver presentation on Celluloid Clocks—Those small dresser or novelty clocks made of this early plastic like material. Bring in a sample you might have in your collection. (Phil Russel is bringing in about 17, so let's make this the best display ever!)

Executive Board Meeting

The Chapters July 13th (Monday evening) Board meeting will be at my house in Moraga. All members are welcome & invited to attend. Give me a call for directions and time, etc.

John Stohr

BOOK REVIEW:

The Developmental Era of Eli Terry & Seth Thomas Shelf Clocks
by Snowden Taylor

This is an excellent book for those with an interest in Pillar & Scroll clocks. The book outlines the development of the Pillar & Scroll and explains the characteristics of the different models and types related to both case styles and different movements. Illustrated with photos, it is in a soft cover format & can usually be obtained for around \$8.

CHAPTER MOTTO: ACCENT ON EDUCATION

V O L U N T E E R S

W A N T E D

SORTING, FILING, INDEXING, TYPING, OF OVER 5000 SINGLE DOCUMENTS RELATED TO THE INDUSTRIAL

CLOCKMAKING IN EUROPE. I AM LOOKING FOR VOLUNTEERS TO DEFER THE EXPENSES OF CLERICAL, SINCE I INTENDED TO DONATE MY ENTIRE ARCHIVE TO THE NAWCC HEADOFFICE COLUMBIA, PA, YOUR VOLUNTARLY ASSISTANCE IS VERY MUCH APPRECIATED, MOST OF THE CLERICAL WORK CAN BE DONE AT HOME.

NEEDED ARE TYPIST TO INDEX THE ARCHIVE ON COMPUTER APPLE IIC, AFTER THE ARCHIVE IS FINAL FILED YOUR COOPERATION IS VERY MUCH APPRECIATED, THE PROJECT KICKOFF JUNE 87, THE FINISH TARGET SEPT, 87.

PLEASE FILL OUT THE FORM BELOW, THANK YOU, AND FORWARD IT TO : KARL KOCHMANN, 4631 STILLWATER CT CONCORD CA, 94521 PH. 687- 8252

YES I WOULD LIKE TO CONTRIBUTE AS FOLLOWING:

FILING TYPING COMPUTER

NAME.....

PHONE :.....

REMARKS:.....

"GOLDEN GATE"
Western Regional 1988

We've got a name for next years regional at the San Jose Convention Center we're hosting with San Francisco & San Jose Chapters on Sept. 30 & Oct. 1, 1988. Diablo Chapter will be the host Chapter and the others co-host. Frank Species, President of Chapter 5, will be chairman and Diablo's John Stohr will be co-chairman. Informational meetings have been held with hotels near the convention center, but final selection has not yet been made. Each Chapter will advance \$2000 as a deposit to get the Regional started for Reservation fees, printing, & all those other expenses needed to get started. Diablo will be responsible for Registration and Banquet chores. We'll need all the help & Assistance we can get as the date gets closer, so say yes when the time comes.

SICK CALL

Our director, Edwin Okvist is recovering from a coronary by-pass on May 6th at Merrit Hospital in Oakland. He should be home by the time you read this. Give Ed a call!!

August 9th Meeting

Our August meeting will be our "Ugly Clock" contest & White Elephant sale plus our annual Cookie Bake-Off. Plan now to select your entries and start saving your change for the big sale. We can't expect Sandy Cuthill and Jane Saville to be the big-spenders every year. (Fred Cuthill also agrees).

The Week Days

Ever think what a Monday really was?
Here is the meaning or origin of each day.

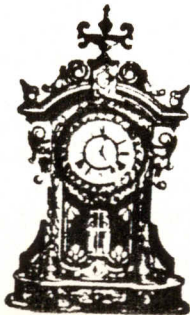
Sunday Day of the Sun
Monday Day of the Moon
Tuesday From Zeus-God of War
Wednesday .. Mercury's day (Messenger of
the Gods)
Thursday ... Thor's day-God of Thunder/War
Friday Goddess Frigg day-Goddess
of Heaven and Love.
Saturday ... Saturn-God of Agriculture.

The Names of the Months

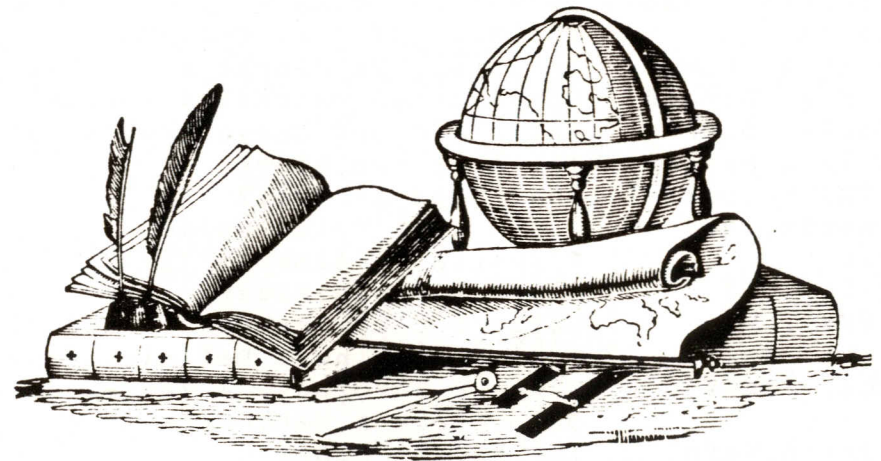
We use the names of the months everyday.
Do you know where the names came from or its
meaning? Remember that the first month of
the New Year for the ancient Romans was March.

March...Month of Mars-God of War.
April ..Aprilis-Latin for second month
May .. Goddess Maia-Goddess of increase,
Springtime of life.
June .. A Roman family name-Junius.
July .. Month of Julius Caesar
August .Month of Augustus Caesar
September .. After septem-Latin for seven.
(original name was Haerfestmonath-Harvest.
October .. After Octo-eight in Roman
November . Mensis-ninth month-Roman
December .. Decem-tenth month (Roman)
January .. Month of Janus (Guardian of port-
als, Patron of Beginning and Ending)
February- Month of purification, atonement.

Phil Russell



The Library of Chapter #107
of the Diablo Valley Association
of the NAWCC

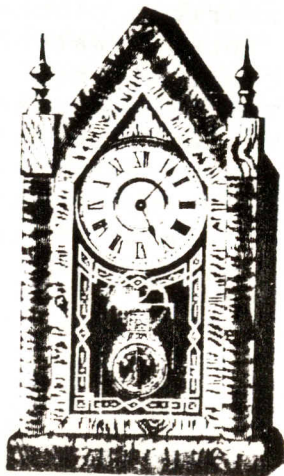


Chapter 107 Library List

<u>Author</u>	<u>Title</u>
Allix, Charles	Carriage Clocks
Baier, et al	Questions & Answers of & For the Clockmaking Profession
Bailey, Chris	200 Years of American C & W.
Baillie, GH	Watchmakers & Clockmakers of the World Vol. I.
Battison & Kane	The American Clock 1725-1865
Bedini, Silvio	John Philipp Trefflen, Clockmaker of Augsburg
Bovin, Murray	Jewelery Making
Britten, FJ	Old Clocks & Watches and their Makers (9th edition)
Burton, Eric	Dictionary of Clocks & Watches
Burton, Eric	The Longcase Clock
Chamberlain, Paul	It's About Time
Coleman	The Best of J.E. Coleman
Cumhaill, P.W.	Investing in Clocks & Watches
DeCarle, Donald	Complicated Watches & Repair
DeCarle, Donald	Watch & Clock Encyclopedia (77)
Distin & Bishop	The American Clock
Edlin, Herbert L.	What Wood is That?
Ehrhardt, Roy	Clock ID & Price Guide
Elgin	Illustrated Almanac (1873)
Gazeley, WJ	Clock & Watch Escapements
Gazeley, WJ	Watch & Clock Making & Repairing
Gibbia, SW	Wood Finishing & Refinishing
Gibbs, James	Buckeye Horology, A Review of Ohio Clock & Watchmakers
Goodrich, Ward	The Modern Clock
Harris, HG	Handbook of Watch & Clock Repair
Jagger, Cedric	The World's Greatest Clocks & Watches
Jones, Bernard	Clock Cleaning & Repairing
Joy, Edward	The Country Life Book of Clocks

<u>Author</u>	<u>Title</u>
Kochmann, Karl	The Black Forest Cuckoo Clock Clock Trademarks Index Clock & Watch Trademark Index European Industrial Clockmaking Gustav Becker Story Hamburg American Clock Co. The Junghans Story 25 Years Unitd Feiburg Watchmakers & Clockmakers of the World, Volume II
Loomes, Brian	Survey of American Clocks; Calendar Clocks
Miller, Andrew	Die Geschichte der Uhr (The History of Clocks)
Muhr & Kahlert	Ein Jahrhundert Junghans Clocks in Color
Neher, F.L.	The Book of American Clocks
Nicholls, Andrew	A Treasury of American Clocks
Palmer, Brooks	The Beauty of Clocks
Palmer, Brooks	Skeleton Clocks
Pearson, Michael	Warner Collector's Guide to American Clocks
Royer, Collard	Repairing Antique Clocks
Schorsch, Anita	The Horolovar 400 day Clock Repair Guide
Smith, Eric	Watches
Terwilliger, Chas.	Encyclopedia of Dollar Watch
Thomas, Seth	American Clocks for the Collector
Townsend, George	Clocks & Watches
Tyler, E.J.	Craft of the Clockmaker European Clocks
Volume I	Discovering Antiques
Vernon, John	The Grandfather Clock Maintenance Manual
Waugh, Albert	Sundials; Their theory & Construction

<u>Author</u>	<u>Title</u>
Slides	Repair of Benicia Tower Clock by Chapter #107.
Video	A Saga of American Clocks by Dorothy Glenk
Pulletins (NAWCC) Bound	Vol. I-III (1944-49), nos.1-30 Vol. IV-V (1949-53), nos.31-50 Vol. VI-VII (1953-57), nos. 51-70 Vol. VIII (1957-59), nos.71-82 Vol. IX (1959-61), nos.83-94 Vol. X (1961-63), nos.95-106 Vol. XI (1963-65), nos.107-118 Vol XII (1965-67), nos.119-130 Vol. XIII (1967-69). nos. 131-142
Singles	1970-Current
Supplements	#7 through # 15
Retrieval Index	1944-1985, Vol 1-27, #1-239
Chapter #107 Bulletins	To Current



Calendars

Julius Caesar vs Pope Gregory XIII

"Happy New Year", it was March 25, 1752. Yes, March 25th was our New Year's day, but then it changed.

It is true Calendars have not been and are still not perfect. Records show the Egyptians had calendar problems in 330 B.C. Greeks also had their problems. The old Roman calendar was off 3 months from sun soltices.

Then in 46 B.C. a Greek astronomer named Sosigenes was directed by Julius Caesar (who ruled the Roman Empire) to devise a new calendar. It had 365 days and an extra day (Leap Year) each four years. It had 12 months and days alternated 30 & 31 each month except February. (Sound familiar?). This is called the Julian calendar after Julius Caesar. We still use this concept.

The new Calendar worked great. But in 730 AD, an Anglo Saxon monk named Venerable Bede, found the Julian year was too long by 11 minutes and 14 seconds. BIG DEAL-except this small error was equal to a one day error every 128 years-and after 750 years the calendar had a six day error. BUT, NOTHING was done about the error for another 800 years. By 1582 the Julian Calendar was now 10 days out of whack. It was headed for June weather in January.

In 1582 AD, Luigi Lilio Gheraldi convinced Pope Gregory XIII to make the needed calendar correction. What a change! Over the Vigorous opposition Pope Gregory the Great decreed that on the day following October 4, 1582, it would be October 15, 1582. Ten days were wiped out, eliminated. Most European countries immediately accepted the Calendar correction, but not all including Great Britain. To compensate for the 11 minute, 14 seconds yearly error which amounted to 3 days every 400, Pope Gregory said there would be no Leap Years in centesimal years (years ending in 00) and not divisible by 400. Thus no

Calendars Cont...

Leap Years in 1700, 1800, 1900, but one in the year 2000. This is the Gregorian correction to the Julian Calendar.

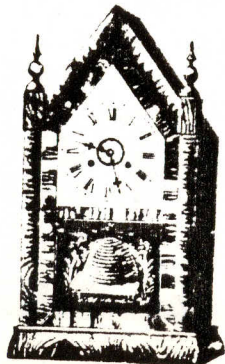
It was almost 150 years later in 1752 before the British Parliament imposed the Gregorian Calendar corrections on the British Empire which included the American Colonies. The correction: September 3, 1752 legally became September 14, 1752. Great Britain had now wiped out eleven days. At this same time New Year's day was changed from March 25 to January 1. (e.g. Under the old calendar March 24, 1700 was followed by March 25, 1701)

To correct any confusion (?) days before Sept. 2, 1752 were called Old Style (O.S.). Days after Sept. 14, 1752 were called New Style (N.S.). George Washington birthday was Febr. 11, 1731 (O.S.) and then became Febr. 22 1732 (N.S.).

And to think all this happened because of 11 minutes and 14 seconds. Are you a N.S. or a O.S.? So be it.

BUT WAIT! the Gregorian change still left an error of 26.3 seconds each year. But don't despair-one day will be added in the year 4316. **WAIT**, this is not the end-The year is increasing by .53 of a second every 100 years as the solar year is getting shorter-had enough? The National calendar Committee is proposing a 13 month year. The new month would come before July and be called 'SOL'. This is enough!

Phil Russell



'The Tip Off' from the Work Bench'
By Phil Russell

The following article was provided by Tom Kochmann of Tom's Clock Service in Concord. I plan to continue seeking out the 'Experts' on general clock and watch repair procedures. If you have a question, let me know.

THE BARRELLED MAINSPRING by Tom Kochmann

The mainspring is to be handled with extreme care. Always wear leather gloves and eye protection when working with a mainspring under tension.

Old clocks needing repair almost always have the springs wound as tight as can be. Who knows how long they have sat with fully wound springs? The springs need to wind and unwind regularly to remain useful. This keeps the grease on them from drying up.

Use a commercially made 'Let down tool' when releasing the spring tension. Remove the barrels from the movement.

As you were releasing the springs you may have noticed the spring slipping and jumping in an irregular manner. This is called 'spring lock'. It is more noticeable when the spring is let down slowly. 'Spring Lock' means the spring needs attention.

To remove the cap from the barrel, it is best to hold the barrel in the palm of your hand with the cap against the palm. The winding arbor will stick out between your fingers. Strike the winding arbor sharply with a hard rubber or wooden mallet. The cap should pop off. The inside of the cap must be smooth and free of nicks and dings. The notch on the cap is not a place to pry it off with a screwdriver. The notch is provided as a relief to allow the slightly oversized cap to snap firmly onto the barrel.

A broken spring can be removed one section at a time with pliers.

A Spring Winder is needed to remove a

Barrelled Mainsprings-cont.
spring which is not broken. Royal English built some spring winders to sell. He may have some left. His design is easy to use. I built a similar winder.

Once a spring is recoiled into the barrel by hand, without a mainspring winder, it will never function properly over a long term. If you have a spring winder, USE IT. If you don't have one, GET ONE.

With the spring out and uncoiled, it is a good time to determine if it is useful. Hold the spring by the winding arbor and hold the winding arbor horizontally. If the spring is 'coned', replace it. If the windings near the center are close together, replace it. If the end is torn, replace it.

Measure the width in millimeters with a machinist's ruler. In millimeters, measure the depth of the barrel from its bottom to the lip of the barrel wall where the cap seats. The width of the spring should be about one millimeter less than this inside measurement.

Measure the springs strength (thickness) with a micrometer.

The most important measurement, in my opinion, is the barrel diameter in millimeters. New springs come pre-coiled with a specific diameter. This determines the shape of the coils and what I call the 'memory' of the spring motion.

Look at your parts book listings of mainspring sizes. First find the proper width. Then find the barrel diameter. Strength and length will fall into place when you locate width and diameter. Generally, the strike spring on a time and strike mechanism will be stronger and longer, but just slightly. You may also wish to measure the length of your old spring by stretching it out. Incidentally, stretching a mainspring does nothing to restore its vigor.

If you use your old spring, you must clean it. I am spoiled by ultrasonics and have never cleaned one in any other manner. Just make

...Springs cont...

sure its real clean and smooth.

Re-grease with 'Novostar' mainspring grease. Heat the greased spring up with a hand held hair drier. Make sure the grease gets into the starter coil at the winding arbor.

Before installing the spring in the barrel you should inspect the teeth of the barrel and also the spring hook on the barrel wall. Repair as needed.

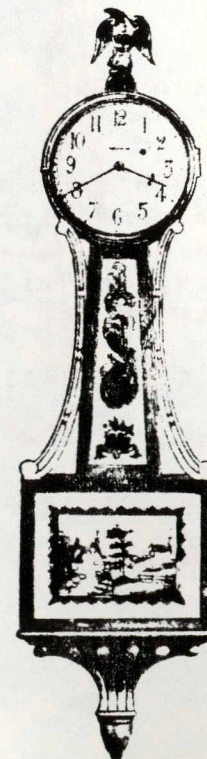
Install the spring with a spring winder. Snap the cap back into place-hold the barrel with the jaws of a vice. Protect the barrel with wood or leather if your vice has rough jaws. Hammering a cap back on distorts and puts pits on the inside of the cap. These pits and distortions will prevent the spring from unwinding properly.

Tom Kochmann

Thanks Tom- a super informational article!

Phil

(Royal English springwinders are \$90 and as Tom says-they work!)



From Your Library Chairperson:

The Chapter Library is missing the following NAWCC Bulletins:

#175 April 1975
#155 December 1971
#145 April 1970

If anyone has these, please return them. If anyone wishes to donate, please do!

Sandy

CRESCENT CITY CORRESPONDANCE

What do you do when you're a National member living in Crescent City, California. Jack Clemens collects early American Clocks & would like to correspond with our members. Diablo is probably the closest Chapter to Jack.
Send a note to Jack & Say Hello!

Jack Clemens
704 G Street
Crescent City, CA 95531

* * *

FROM THE EDITOR:

Articles WAnted!!!

No tidbit is unimportant!
Keep those cards and letters coming in!!

As always, send articles, jokes, puzzles, etc.
to me at:

Bob Prochnow
435 Laguna Ct.
Livermore, CA 94550

