

Re: WWVB reception indicator needed

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Hi Tim,

>>*On a side note, something that blew me and others away: A visitor from Europe had problems adjusting his analog 'atomic' wrist watch. Their transmitter works on 77.5KHz so the clock didn't adjust to PST and since he forgot the manual we didn't see how to do that manually.*

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>

>*Typical Euro-doofus.*

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Well, I don't know which was first or is better, WWVB or DCF77.

Sometimes our stuff wins, sometimes theirs. All I know is that the European version is not so limited to sync at night but that won't make much of a difference in real applications.

>>*Then while*

>>*visiting Sequoia National Park it happened. Suddenly the hands started to move and the watch accurately set itself to PST.*

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>????

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That was exactly my reaction ;-)

>>*When he came back*

>>*here it matched our WWVB clock to the second. Someone there must be*

>>*running a site similar to DCF77, the time transmitter in Germany.*

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>*But broadcasting a time that's incorrect by 7 or 8 hours?????*

>*(difference*

>*between UTC and PST/PDT).*

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>*Unlicensed operations are allowed on longwave frequencies, but they're*
>*limited to one watt and the frequency range is 160kHz to 190kHz*
>*("lowfers").*

>
>

But this could only work at 77.5KHz since these watches have crystal filter of just a few ten Hertz bandwidth.

>*It seems more likely to me that previous tinkering with the watch*