



April 2013

Loupes and Tweezers

Newsletter of the HOROLOGICAL ASSOCIATION OF VIRGINIA

HAV Convention - May 3, 4, 5



Ronnie's Going To Be There!
Are You?

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PROGRAM FOR CONVENTION 2013
MAY 3 – 5, 2013

Friday – May 3rd

7:00 PM to 10:00 PM **Registration and President's Reception**
Cash Bar and Hors d'oeuvres

Saturday – May 4th

8:30 AM to 9:00 AM **Registration**

9:30 AM to 4:00 PM **Spouses Program**
Meet in Hotel Lobby
Depart for Taubman Museum, downtown Roanoke
Lunch at Norah's Café
Guided shopping tour of downtown Roanoke
Guides provided by Community High School

9:00 AM to 12:00 PM **Watchmaking Program – Tom Schomaker, CMW21**
"Tips and Techniques for Lowering your Delta"
"Tool List – To Be Provided"

9:00 AM to 12:00 PM **Clockmaking Program – Bob Ockenden, CMC**
"Platform Escapements"
"Tool List – To Be Provided"

12:00 PM to 1:00 PM **Lunch (On Your Own)**

1:00 PM to 4:30 PM **Watchmaking Program – Tom Schomaker, CMW21**
"Tips and Techniques for Lowering your Delta"

1:00 PM to 4:30 PM **Clockmaking Program – Bob Ockenden, CMC**
"Platform Escapements"



PROGRAM FOR CONVENTION 2013
MAY 3 – 5, 2013

Saturday Evening – May 4th

- | | |
|---------------------|---|
| 4:30 PM to 5:30 PM | Auction Set Up
Coordinator – Wayne Simpson
Volunteers are needed to help set up |
| 5:00 PM to 6:00 PM | Reception & Social Hour
Cash Bar |
| 6:00 PM to 7:30 PM | Annual Banquet and Awards Ceremony |
| 7:30 PM to 10:30 PM | Annual Horological Auction
Wayne Simpson – Coordinator
Ronnie Spiggle – Auctioneer |

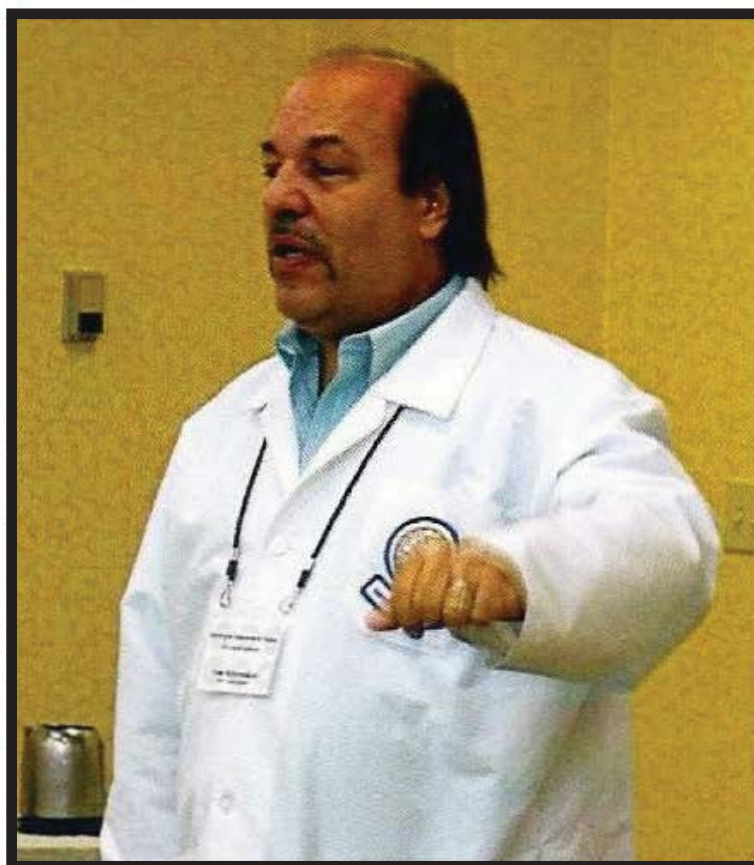
Sunday – May 5th

- | | |
|----------------------|---|
| 9:00 AM to 10:00 AM | HAV Board of Directors Meeting (Open to All) |
| 10:00 AM to 12:00 PM | Lecture and Discussion – Tom Schomaker, CMW21
“The Correct Installation of Watch Power Cells”
“Recognizing Genuine Rolex Watches and Their Counterfeits” |
| 10:00 AM to 12:00 PM | Lecture and Discussion – Bob Ockenden, CMC
“Chelsea Clock, the next 100 years” |
| 12:00 PM to 1:30PM | Lunch |
| 1:30 PM | Convention Adjourns |

Watchmaker Guest Speaker

Tom Schomaker, CMW21

American Watchmaker Clockmaker Institute



Mr. Schomaker received his initial watchmaking training at the Ohio Valley Watchmaking Institute, and later became their instructor. He also has made numerous trips to Switzerland for continuing education. In 1981, Tom earned his AWCI Certified Master Watchmaker designation; and in 2006 upgraded his certification to CMW21.

Twenty-five years in the trade have afforded him a great deal of experience at all levels of watch repair, including trade-work for luxury watch retailers, a business owner, and brand specific modern service center. Before joining the AWCI staff, Tom was already an active member of AWCI, where he served as the evening watch course instructor since that program's inception. He is notably recognized for his thorough method of instruction, and regularly contributes to learning seminars and lectures at AWCI's Conventions and its affiliate Chapters. Tom is a member of the AWCI Board of Examiners, and is trained as an assessor for the AWCI CW21 exam.

In his spare time, Tom pursues his passion for cars and drag racing.

Clockmaker Guest Speaker

Robert L. Ockenden, CMC

AWI Certified Clockmaker
AWI Certified Master Clockmaker
Member, {diploma} British Horological Institute



Mr. Ockenden began his career in the clock trade when, at the age of sixteen years, he got a part time job working at Montgomery Clock in Cleveland, Ohio. His early training was in the repair of electrically wound automobile clocks. Robert's proficiency with these led his employer to begin training him in the restoration of antique clocks. Upon his graduation from high school, he continued his employment while attending college at Cleveland State University.

In 1974, Robert was recruited by Aaron's Clock Shop in Santa Ana, California. While he was working there he was introduced to the modern clock shop. The equipment included ultrasonic cleaners, lathes, and specialized pivot finishing equipment. His employer there was very methodical in their work habits and taught him a great deal.

In 1976, Mr. Ockenden returned to Cleveland and took over Montgomery Clock as the owner, after the death of his former employer. He ran the business until 1980, when he sold the business as a growing concern and returned to school for two more years in the field of music.

Robert did trade work from his home until 1985. At that time, he was recruited by Turncraft Clocks of Minneapolis, and relocated there. In 1987, he purchased the service and retail portions of that business and established Valley Clockworks.

Mr. Ockenden joined AWCI and became a Certified Clockmaker in 1992. In 1994, he became a Certified Master Clockmaker. Since that time, he has remained involved in affairs of the AWCI. He has conducted classes and bench courses for various State trade associations, as well as for national conventions and education seminars. Robert has served as a board member of the Minnesota Watch and Clockmakers Association, as a member of the St. Paul Technical College watch and clock advisory board, and at AWCI as a member of the Horological Times Committee, the Strategic Planning Committee, and as a member of the Certification Committee.

In October 2011, he relocated to Boston to take a job as repair and restoration director at Chelsea Clock, America's oldest and last remaining builder of complete clocks, both movements and cases. Mr. Ockenden is involved in the repair and restoration of Chelsea Clocks, as well as the manufacturing aspect of the business.

TOOL LIST - CLOCKS as of 14 March

Seminar participants will require a watch movement assembly stand, good tweezers, a set of watchmakers screwdrivers, watchmakers bench block (small anvil with holes) loupe and a balance tack. Also, a disassembly parts tray would be good to have on hand.

TOOL LIST - WATCHES as of 14 March

Essential materials for the student to bring for: Saturdays Class

Ownership of quality hand tools is an expectation of a **Professional Watchmaker**. The brand name Bergeon mentioned below is used to help you identify the tools from the most popular tool catalogs; you are welcome to choose a brand of your choice, as long as it is of equal or better quality.

Check with your supplier for the recommended hand tools or their equivalents.

Description	Bergeon
1. Bench Riser (to elevate your work) and bench lamp	
2. Barrel closing tool	
3. Benzene glass jar (small) Ø 80 mm (or smaller)	30514-080
4. Casing cushion	5394
5. Electrical cords	
6. ETACHRON regulator adjusting tool #015595	6918
7. Finger cots	
8. Knife with case opener	6403
9. Loupe 3X or 4X	
10. Loupe 10X (for inspection)	
11. Movement holder (Slick/Bergeon/Horotec) (large)	4040
12. Oilers (plastic handle, spade tipped) <u>small sizes</u> Bergeon only (7013 preferred)	7013 or 30102
13. Oil cups, die-cast alloy, 4 separate cups (or more)	30180-A
14. Parts tray (5 small & 1 large compartments with lid) Swiss 9 5/8" x 4 1/2" x 3/4"	
15. <u>Pegwood</u> 3 or 4 mm in diameter	
16. <u>Pithwood</u> (round type)	
17. <u>Plexi-stick</u> (clear style only)	6436
18. <u>Rodico</u> or Rub-off	<u>Rodico</u> # 7033
19. Screwdrivers, with stand (<u>Bergeon</u> , <u>Horotec</u> , <u>Voh</u> , etc.)	
20. ***** <u>Timing machine that shows amplitude</u> ,*****	
21. Tweezers, Brass or Bronze	1064AM
22. Tweezers for hairspring adjustment	
23. Tweezers for handling cap jewels	
24. Watch paper	

*******Each participant must have their own Timing Machine**,*****

Horological Association of Virginia 2013 Annual Convention Registration Form

Pre-registration is available for full package only.

Full Registration before Apr 6 # _____ @ \$135.00	Enter amount _____
Full Registration after Apr 6 # _____ @ \$155.00	Enter amount _____
Saturday only (includes banquet) # _____ @ \$105.00	Enter Amount _____
Saturday (no banquet) # _____ @ \$75.00	Enter Amount _____
 Full spouses program # _____ @ \$85.00	 Enter amount _____
<small>(Includes tour, banquet Saturday and Sunday)</small>	
 Banquet Guest Only # _____ @ \$65.00	 Enter amount _____
TOTAL AMOUNT \$ _____	

2 Circle your choice (must pick one) - Watch Hands-On or Clock Hands-On

3 Attendee's Name(s) _____

Guest(s) Name(s) _____

Address _____

City _____ State _____ Zip _____

Email Address _____

Home Phone _____ - _____ - _____ Other Phone _____ - _____ - _____

4 YOU are responsible for making YOUR room reservations:
Call the Sheraton Hotel and Convention Center; 2801 Hershberger Road Roanoke; Va. 24017 (540)563-9300 or (800) 325-3535. Mention the Horological Association of Virginia to receive our promotional rate of \$114 .00 +tax

5 Make checks payable to: **Billy Best**
Send check and completed registration form to:

Billy Best
Attn: HAV
3414 Wakefield Ave
Roanoke, VA 24018

Office Use Only

A _____

B _____

C _____

D _____

6 Questions? Contact Billy Best: (540) 797-2357 email: groovemaster2000@juno.com

Some of Roanoke's Local Attractions



The Sheraton Roanoke Hotel is just minutes from trendy new boutiques, unique galleries, well-established antique shops, shopping malls and limitless dining options. From professional and Virginia Tech sports, to arts, culture, outdoor activities, shopping, wineries and natural wonders, Roanoke, Virginia, is a fabulous city to explore!

Shopping & Dining

The Valley View Mall, located one mile away, offers an excellent variety of stores such as Eddie Bauer, Gap, The Limited, LOFT, Gymboree, Barnes & Noble Booksellers, Best Buy, Macy's, Belk, Bath & Body Works, Yankee Candle Company, as well as Valley View Grande Movie Theater. The Valley View Mall complex is also home to restaurants such as Abuelo's, Buffalo Wild Wings, Carrabba's Italian Grill, Panera Bread, Sbarro, Applebee's, LongHorn Steakhouse, O'Charley's, Olive Garden, Red Robin, Ruby Tuesday and Smokey Bones, just to name a few.

For a more unique experience, drive into town and roam around the Roanoke Farmer's Market, featuring a wonderful display of flowers, produce, handcrafted jewelry and other art objects. Open seven days a

week, the Roanoke Farmer's Market has served the community for more than a century.

Always on the lookout for one-of-a-kind architectural antiques to add unique beauty to your home? Black Dog Salvage is the store for you. Offering reclaimed and renewed architectural antiques procured from area homes and then restored to their former glory, Black Dog Salvage is located four miles away. For a large selection of all kinds of antique items, from jewelry to toys, visit the Roanoke Antique Mall. Approximately six miles from Sheraton Roanoke Hotel, this antique extravaganza features 120 dealers with shops sprawling over 24,000 square feet.

Nearby Civic Centers

Less than four miles from Sheraton Roanoke Hotel, the Roanoke Civic Center hosts outstanding concerts, memorable shows and exciting sporting events. In addition to the Roanoke Civic Center, our property is only minutes away from the Salem Civic Center. This 7,000-seat facility hosts the NCAA Division III Men's Basketball Final Four, as well as world-class entertainers and performances.

Virginia Tech Sports Hotel

Whether it's winning the 2011 Outdoor Track and Field National Championships or killing it in the numerous sports programs this fine school offers — baseball, men's basketball, women's basketball, football, golf, lacrosse, men's soccer, women's soccer, swimming and diving, men's tennis, women's tennis, track and field, volleyball and wrestling — Virginia Tech fully supports its talented young players... as do numerous people belonging to associations throughout Mid-Atlantic! Choose our Virginia Tech sports hotel and provide your members with the opportunity to cheer on their favorite Virginia Tech team during your next visit to Roanoke.

HAV PRESIDENT'S MESSAGE



Greetings,
The first part of April is upon us already. It seems winter has passed by without that much snow even though we had a taste of what could have been a bad snow storm last month. Thankfully it

didn't stick around very long as the temperatures seem to be warming up again.

If you haven't heard there have been some changes at AWCI. Mr. Lubic and Mr. Pack have been relieved of their duties. The Board of Directors for AWCI has appointed an interim director for now. It is my understanding, the BOD has also taken more control in the running of the organization. If you have any suggestions on how things could improve for you at AWCI, please contact Fred White, fwhitecmw1@verizon.net (please put 'AWCI Suggestions' in the subject line).

The HAV Annual Convention will be in Roanoke this year from May 3rd to the 5th. Billy Best has been very busy putting together another excellent learning opportunity for the members and spouses to enjoy. Ronnie will be there to conduct our auction. Be sure to look at the details and registration form in this issue.

Hope to see you there.

Sincerely,

Mike D Creasey
President HAV

IN MEMORY OF HARRY LEE

HAV was saddened to learn of the death of Harry Lee.



Harry and Wayne discuss the clocks.

Mr. Lee was not an HAV member and many of us met him only once – at the 2012 Fall Seminar where he was our featured speaker. He talked about the wooden clocks he had made from scratch with limited woodworking tooling in his shop. It was especially interesting for he

had no horological education or training. Yet he produced these fantastic wooden clocks. HAV is truly thankful for the exciting presentation he provided.



John Enloe Retires From Potomac Guild Clock Class

For more than 10 years, John Enloe has made the Monday and Wednesday night trip to the Potomac Guild's clock class. He's spent the evening sharing his talents and skills with from 15 to 25 students. He's answered the same questions dozens of times and looked a dozens of student clocks. He seemed never to loose patience and continued to encourage those new or less talented students while joining in on the challenges brought in by more advanced students. Yes it was a grind but John has enjoyed every minute of it and will miss it. However, he lives near the current clock class location so he will be able to drop in when he gets lonely - or his wife, Anna, chases him out of the house on what has been her free time.



On March 7th, a group of about 25 current and past students gathered together to honor John for all of his work. It was a low key event in which everyone could have a relaxed and enjoyable evening. The photos show John and Anna and their son Chris. George Evans has been team teaching with John. Ralph Smith was once the instructor and recruited John. Ewell Smith (not shown) is John's replacement.



Potomac Guild Learns About Small Milling Machines

Potomac Guild's February meeting was devoted to learning about small Sherline milling machines. Stan Stocker and Ryan Johnson brought in their mills for everyone to see. Stan is not only a horologist but is also a machinist. He provided a comparison of the various small mills he is familiar with. He talked about the various pros and cons of these machines. The one thing people should have walked away with is that the machining envelope of the Sherline and their competitors is quite small. Stan pointed out that while there are many applications where that will be adequate, as soon as you extend beyond the envelope you are faced with a sometimes very difficult challenge. He pointed out that he personally does not have that problem because he has both a small and large milling machine in his shop. He also made the point that the owner should realize they have to do a lot of cranking to move the slides. They put on two demonstrations.



Stan had his milling machine set up with Ryan's computer controlled rotary table. It was programmed to index into eight positions around a circle. He used that to drill the holes for eight trundles of a lantern pinion.

Ryan had his machine set up to do fly cutting across the surface of a flat aluminum plate. He then changed the cutter to an end mill and milled a slot in the aluminum plates. Both of these demonstrations highlighted a traditional problem of milling: the hot metal chip fly all over the place. Ryan scavenged a sheet of cardboard and made a makeshift barrier to keep the chips somewhat under control.



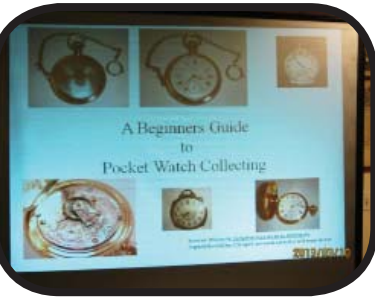
Introduction To Pocket Watch Collecting

It is well known that most of the folks in the Potomac Guild are Clock people. A few are interested both clocks and watches. Even fewer focus on just watches. Thus it is difficult to get a program on watches for monthly meetings.

The Potomac Guild was therefore fortunate in January



that guild member David Staib was willing to talk about an "Introduction to Pocket Watch Collecting." His presentation went over so well he was asked to give it again to Chapter 12 of NAWCC in March.



Dave discussed sizes of watches, various configurations, types of escapements, materials used for various components, testing of watches, influence of railroad watches etc. For the clockophiles this was a totally new world and very enlightening. Thanks, Dave for sharing your interest and talents with our horological community.

Using An Ultrasonic Cleaner

George Evans has been one of the Potomac Guild's Clock Class instructors for many years. He has teamed with John Enloe for a long time (see story on John Enloe's retirement.)



George was the Guild's March technical program speaker. Right off the bat he suggested that if one were going to work on clocks, one of the first things one should buy in an ultrasonic cleaner. Based on the number of hands that

went up when he asked how many had them, Guild members are following that advice.

George discussed various options when purchasing a UC. One does not absolutely need a heater and timer but they sure make life a lot easier. A unit with four transducers is also a plus. The discussion over which cleaning fluid one should use was as expected - unresolved since people have different opinions about using ammonia based cleaners.

Overall the presentation and the discussion it precipitated was very education for all the attendees. Thanks George for your knowledge and experience with the Guild.

Sun Dials

What did John Harrison, of "Latitude" fame, use to set his clocks?

Well if you've never thought about it, you did after attending Potomac Guild's April meeting.

Stuart Kelly has spent a great deal of time studying sun dials and their history. He shared some of it with the Guild.

He went back to pre-Egyptian time and discussed the evolution of the sun dial over the past several thousand years. He discussed the many shapes a sun dial can take: horizontal (on a garden path); vertical (on the wall of a building); curvilinear objects; and complex configurations which may involve a series of various shapes.

They may range from small hand held portable devices such as the one he is holding in the pho-

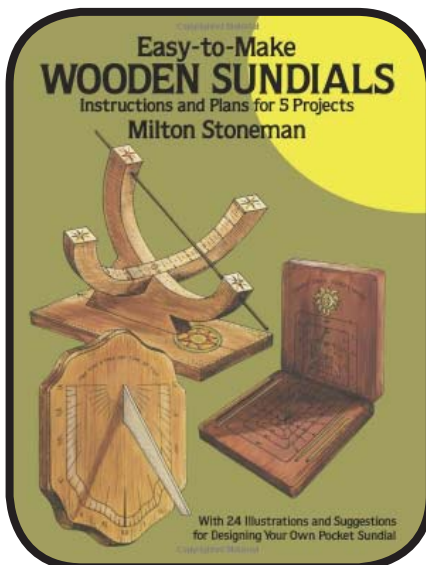


to. These usually come with a compass. Others may be built into building and are huge. He claims that one can build one in a garden in a few hours.

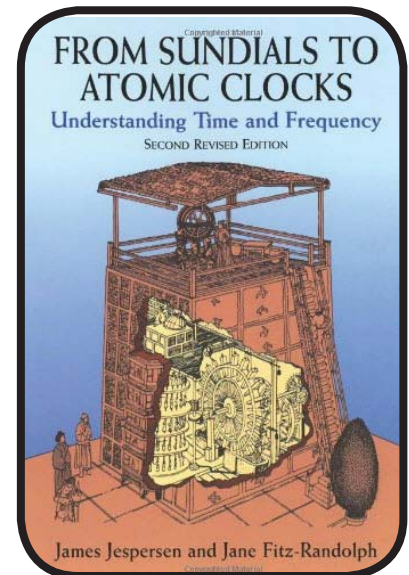
He claimed the accuracy of a professionally done sun dial can be measured down to seconds of variation. These also require a calibration table/chart which permits one to adjust the readings based on the time of the year. He said that in the early days of railroads, the time standards were set with sun dials.

He sited on anecdote where two individuals were arguing about the accuracy of their time pieces. One had the latest super duper watch while the other relied on a sun dial. Obviously the sun dial won - why else tell the story.

Everyone enjoyed the presentation.



If you are interested in sun dials, these and other books are available from Amazon.com



STAN PALEN'S ***Komputer Korner***

This column includes hints, helps, suggestions and news for IBM compatible computers.

Smart Phone Economics

How much is that \$99 smart phone really costing you with one of the major carriers? A typical two year contract with a \$50 monthly charge for your access plan plus \$30 minimum data plan comes to \$1920. This does not include the monthly taxes and tariffs. T-Mobile has come with a plan to have you buy the unlocked phone up front and just pay for your use that could save you in the neighborhood of \$800 to \$1000. T-Mobile has been losing customers at a rapid rate. This new rate plan may set the industry on its ear. The large majority of folks do not use all of their data allowance and the large carriers just smile and keep on charging. Page Plus Cellular uses Verizon's vast network and has a plan for \$39 a month for unlimited talk and text with 200 MB of data.

Windows Computers

Do you need a new computer? Do you need one that does not have Windows 8 on it? A large percentage of computers available only have Windows 8 on them, but if you look at business computers you will find that most of them have Windows 7 on them. Microsoft is still authorizing the sale of Windows 7 as an OEM operating system. It should still be available that way until at least the summer of 2014.



Microsoft is working on the next operating system. The code name is Blue. Rumors are that it will be available by the end of the year. Right now it appears to be version 8.1

MS Office

Are you ready for a new version of Microsoft Office? Office 2013 has been available since December 2012. I have a subscription to Microsoft's TechNet, so I can download it for no extra cost. I have downloaded it, but have not had a chance to experiment with it yet. There are two versions. The first is a disk or download version and the second is called Office 365 (the cloud version).

There are some great improvements that might be useful to a user that might use them. One big one is reported to be in the financial spreadsheet capabilities. There are some drawbacks. It will not run on XP or Windows Vista. There are a lot of folks out there that are still using these older versions of Windows.

When Office 2013 first came out it had restrictions. It could not be moved to another computer. Microsoft revised their policy so that you can move the program every 90 days. You must uninstall it on the first computer before you can install it on another. In older versions you could install it on one desktop and one laptop. That is no longer allowed.

Seagate's New External Drive

Seagate has come up with a neat new device. It is a wireless 1 TB drive

Stan's Komputers (cont)

that has a battery and works anywhere. The battery will last about 10 hours and it is essentially it's own hot spot. It is capable of streaming 3 different HD movies at the same time. This is probably not something we need, but it shows some of the forward thinking that is going on.

iPad Stuff

Someone asked me about a word processor for iPad. I thought I remembered one called iWork, but I could not find it in the Apple store. I searched for word processors and got a bunch of them. I have QuickOffice on my Android phone. It is free on my phone. There is a free version for the iPad and a QuickOffice Pro for \$19.99. The program has a good rating. Mine works fine and so far it has done everything I asked it to. I use it to read my excel and word files when I am away from my home computer.

Way back in the 80's there was a prediction that every two years the speed of computing and the storage capacity would both double. This has been true up until about 2010. Basic physics is catching up to the designers. One of the main ingredients contributing to this was the ability to make transistors (and other components) smaller and smaller.

There are lots of predictions about the future of PC's. Some say it is going away and some say it isn't. With tablets, smart phones and Apple products there is going to be a lot of changes coming.

My wife and I gave each other an

iPad for Christmas. It is a neat machine. It is noticeably different than a PC. Figuring out how to do something on the iPad seems to be more logical. When that fails, you hold down the button on the side for a few seconds and Siri will come on and you can ask it your question.

One bad thing that happens with me is that I get used to using my fingers to do things on the screen and that does not work on my laptop or PC. Another bad thing is I don't get to use it much.

About Stan

This is a regular column. The author is a watch-maker He is retired from the Navy as a Supervisory General Engineer. He has been involved with computers since the early sixties. He used to purchase all the hardware and software for a group of 40 scientists and engineers. He has marketed swim meet programs nationally. He was an associate editor of the Apple II section of the 'Washington Apple Pie,' a computer user's group based in Washington DC.

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