

All the Electrons that are fit to flow.



OSCILLATOR

The Official Newsletter of the DVHRC

Vol. 15, No. 10, April, 2007

Mechanical Television comes to the DVHRC

Meeting notes March, 2007

by Dave Abramson

At our first meeting since the February snow-out we had a good crowd and some fine displays and discussions. The Oscillator returns after a missed issue because of no news or notes from February.

President Stan Saegar ran his first real meeting as president and the trains ran on time. Secretary Dave Snellman was gone on business, so all financial transactions were held over. John Termas was present as a guest and contributor.

A report from Lewie Newhard on Kutztown gave us the news that the food vendor is back by popular demand, tables on the perimeter are almost gone and may be gone by press time. Make your call now for reservations. We have the raffle radio from last September to raffle again to give our restorers a rest. But September will be on us soon and we are always looking for a good looking radio that has popular appeal to restore and



raffle. Keep your eyes out at Kutztown for something inexpensive that we can use. Or just donate one from your "gottagetitoutahere" collection.

As usual, Kutztown begins unofficially on Friday, May 11th with dealers and free dinners for all DVHRC volunteers. We will have a volunteer sign-up sheet this Tuesday, April 10th at the monthly meeting

We moved on to several in-depth show-and-tell

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Next Meeting Program

Mechanical Television
 Demonstration
 Show and Tell
 April 10th, 2007
 Telford Center, 7:30pm

*Newsletter of the
Delaware Valley Historic Radio Club
P. O. Box 5053
New Britain, PA 18901
www.dvhrc.org*

The Oscillator is published monthly by members of the non-profit DVHRC. Its purpose is to provide information on electronic, radio, vacuum tube and communications with collections and preservation of vintage radio technology.

We welcome and solicit information relating to radio history or collecting. Submissions should be well researched, typed and accompanied with clear photographs or drawings. Material on discs should be in Word and pdf formats.

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Personal views, opinions and technical advice offered in this newsletter do not necessarily reflect those of its members, officers or Board of Directors of the DVHRC, nor is the organization responsible for any buying or selling transactions mentioned.

To join DVHRC dues are \$20 per year. The membership year runs January - December. Please mail to the club P.O. box above.

Meetings are held the second Tuesday of the month at 7:30pm in the Telford Community Building, Telford, PA.

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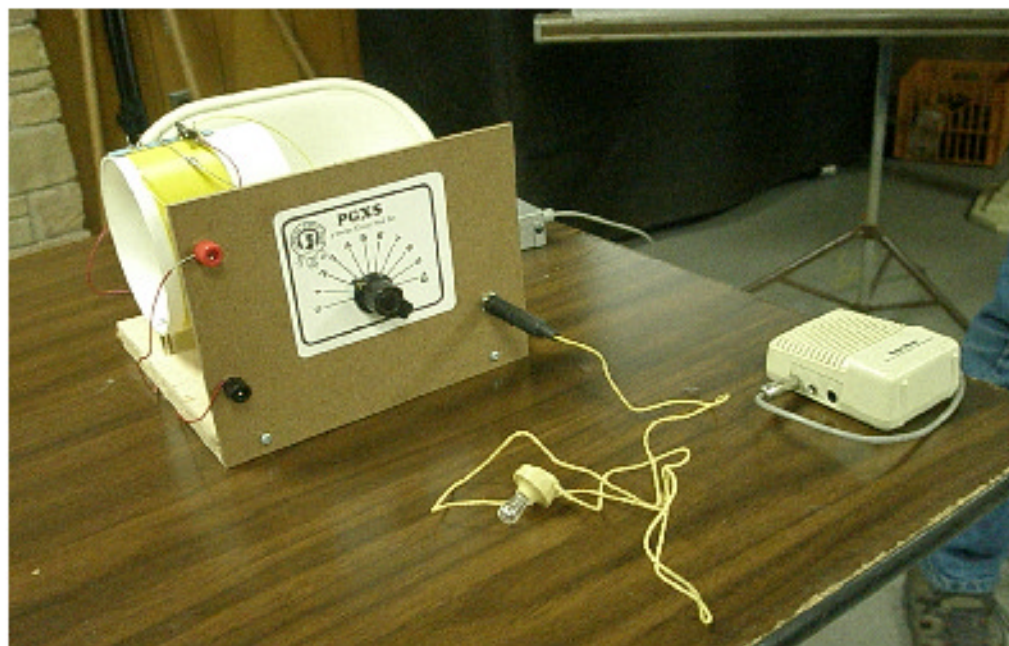
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Material submitted is subject to acceptance and editing by the editor. A full page article is approximately 400 words. Printed photos may be submitted for a covering. JPG files should be under 1MB.

discussions from five members.

Leading off was Al Klase with his PGXS (a Pretty Good Xstl Set) crystal set homebrew. With a short antenna and a small amplifier for easier listening Al had a few stations on the dial come in.



Al gave the demonstration to help promote a crystal set seminar coming up at the Infoage museum in New Jersey. Check the Infoage website for the date and time.

Mechanical Television Demonstration on Tuesday

Your editor has purchased a "science fair" mechanical television kit from England. It is a small scale simulation of the early Baird Televisor using a modern circuit and LED lamp to generate the 1" picture. The unit still uses a spinning 30 line disc on a DC motor. It gets its modulated signal from a CD of test signals and images from the Narrow



Bandwidth Television Association. Let's hope I assemble it right and can remember much of the history of mechanical television by Tuesday. -ed-

Next up was Stan Saegar with a miniature alarm clock/music box in a reproduction plastic radio case.



John Termas came to the desk with some displays from his solid-state collection of rare and scarce radios including a Philips AM/FM/LW portable from 1964, a complete Sony ICF-SW1S digital shortwave kit, and a Sony MZR30 mini-disc recorder from the 80's.



The Sony ICF-SW1S is an ultra compact, microprocessor-controlled, frequency synthesized general coverage portable receiver. Frequency coverage includes 76 - 108 MHz FM and complete coverage of long wave, medium wave and shortwave from 150 - 29999 kHz continuously. Direct access tuning is provided along with a multifunction LCD digital readout for unsurpassed convenience and accuracy (5 kHz step on shortwave). Just press the numbered keys to match the frequency you want to hear. Manual and automatic scan tuning are also provided. Ten memories are provided for your favorite stations. A record output jack is included for taping off the air. Advanced features include: dial light, LED tune indicator, keypad lock, 24 hour digital quartz clock with dual timer, Local-DX sensitivity switch, 9/10 kHz MW tuning switch, tone switch and external antenna jack. (courtesy universal-radio inc.)

It is a hard to find radio now and gets quite pricey.

The award for the heaviest show and tell goes to Chuck Azzalina who brought in his mystery Canadian built projection television. Chuck got it on ebay last summer. Your editor looked at it also and ran the other direction.

The set and chassis is unmarked and built in to a "portable" wood box with the controls on the side and the projection port on the end. It uses what looks like a production chassis and an added custom chassis for the odd sweep needed for the set.

The projection unit is similar to the Norlco Protelgram, but instead of using the standard round-face 3NP4 with a reflector, it uses a flat-face, direct projection version of that tube. That makes for focus problems. The focus now becomes non-linear as the beam has to go farther to reach the edges of the screen unlike a round-face tube where the distance is the same at any point. Now the focus has to be varied in this unit using the add-on chassis. The picture is huge but dim on a good day.



And in the back of the hall, Paul Weidenshilling had brought in his collection of early Bell Labs solid state devices. Mostly collected from estate sales in the area and dating to the beginning of SS.

A nice auction followed. Thanks to all and looking forward to more at the next meeting on April 10, 7:30pm at the Telford Community Center.

See you there



DVHRC RADIO STORE

CAPACITY	VOLTAGE	LIST PRICE		CLUB MEMBER PRICE	
		QTY/25	EACH	QTY/25	EACH
.001	630v	\$7.20	.35	\$6.00	.28
.0047		\$7.50	.35	\$6.25	.29
.0068		\$7.60	.36	\$6.35	.30
.01		\$7.80	.36	\$6.50	.31
.022		\$8.30	.37	\$7.00	.33
.033		\$8.60	.42	\$7.25	.35
.047		\$9.00	.43	\$7.50	.36
.1		\$9.60	.48	\$8.00	.48
0.22		\$18.00	.86	\$15.00	.72
0.47		\$24.00	\$1.06	\$20.00	.96
1.0		\$31.20	\$1.50	\$26.00	\$1.25

ELECTROLYTICS:

		QTY/10	EACH	QTY/10	EACH
10	160v	\$6.60	.70	\$5.50	.64
22	160v	\$7.70	.90	\$6.40	.75
33	160v	\$10.10	\$1.30	\$8.40	\$1.01
47	160v	\$11.50	\$1.40	\$9.60	\$1.16
10	450v	\$9.00	\$1.10	\$7.50	\$1.10
22	450v	\$13.30	\$1.45	\$11.20	
\$1.20					
47	450v	\$21.60	\$2.50	\$18.00	
\$2.10					
100	450v	\$34.50	\$3.20	\$28.50	
\$3.85					

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