



# The Oscillator



"All the Electrons that are Fit to Flow . . . "

THE OFFICIAL NEWSLETTER OF THE DVHRC

FALL 2016

## Kutztown XXXV Review



What better way to close out the summer as we again have been blessed by another fine K-town Radio Meet. The essence can best be captured by viewing John Hagman's great pictorial essay accessible on the DVHRC web home page. Especially interesting are the night shots and the auction video showing bidding on a nice catalin set. Kudos to the skillful eye of Mr. Hagman for creating another timepiece.



**Above:** Vendor marvels at another great Kutztown Kalendar, produced by John Hagman. 2017 cannot come too soon.

Thanks also to the DVHRC club members who expertly set up, managed sales of parts and tubes

and handled organizational and administrative tasks. Always amazing is the activity and treasures of the "Buy it Now" table, especially on Saturday at noon.



**Above:** DVHRC's Walt and Dave spent countless hours testing tubes and organizing components in order to add value to the customer experience.  
**Below:** Lucky winner of Detrola raffle radio.

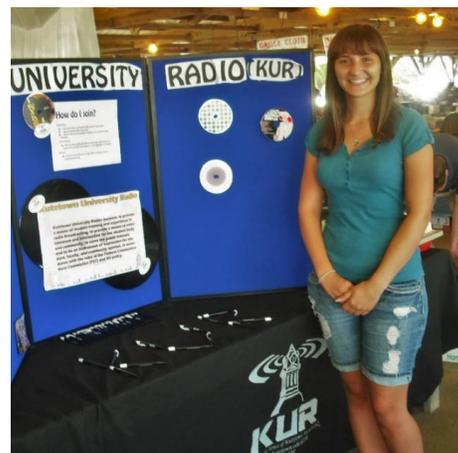


The Friday night auction was crisply run and allowed us to enjoy

bonfire activities. Thanks to Pete, the runners and clerks, and of course, all the buyers and sellers. Also, thanks to Lewie and Jarret along with other club members for their planning of this event.



**Above:** Night time is the right time at Ktz-35.  
**Below:** Jackie of Kutztown University Radio Club promotes both clubs using live-remotes broadcast locally on KUR-1670 khz and streaming live.



DVHRC looks forward to planning and putting on a great Kutztown XXXVI event next year on May 12<sup>th</sup> and 13<sup>th</sup> 2017. It's never too early to reserve your spot!



Delaware Valley Historic Radio Club  
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New Britain, PA 18901  
[www.dvhrc.com](http://www.dvhrc.com)

The *Oscillator* is the quarterly newsletter of the Delaware Valley Historic Radio Club.

Articles on radio and television history or collecting can be submitted by the 25<sup>th</sup> of month prior to quarterly issue dates of April, July, October and January to the editor at [gdottor@yahoo.com](mailto:gdottor@yahoo.com).

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

Dues are \$20 per year and can be paid at a meeting or mailed to the above address. Meetings held 2<sup>nd</sup> Tuesday of each month at Telford Community Center.

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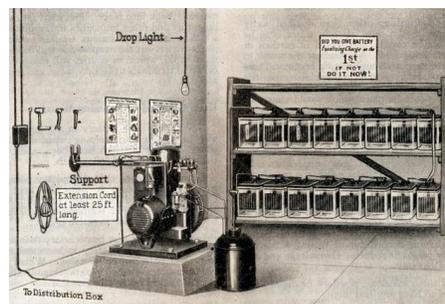
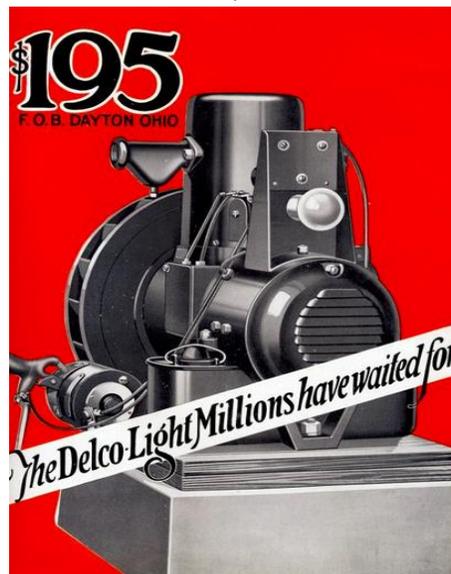
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## Meeting of August 9, 2016

The theme of our August meeting was *Farm Radios*. Units utilized DC battery power which varied from set to set. Following are some of the radios displayed.



**Above:** Jiri Placek showed a Delco 3201 farm set which employs a robust pair of push-pull 48's in its audio circuit. It was ready to utilize the standard 32 volt DC system often used on farms and also manufactured by Delco **shown below**.



Jiri also related that the Delco unit uses the same 2 pin power plug as 120 VAC appliances which has spelled the demise of many of these 32 VDC farm sets.



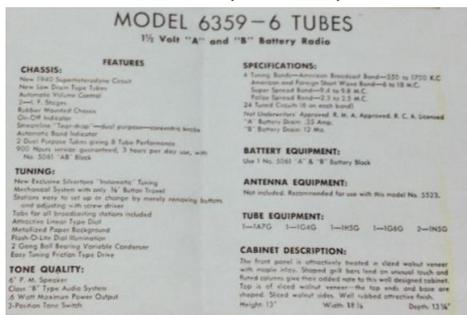
Lowell Schultz related his personal experience with the REA (Rural Electrification Administration) in their mission to connect farming and rural areas to the electrical grid. Above are several 1937 REA posters designed by Lester Beale, noted for his modern graphics. Lowell's father advocated the installation for many in his western Wisconsin community who were often skeptical of electric's benefit.



Although REA had accomplished its New Deal mission by the end of WWII, it continues as the Rural Utilities Service. RUS promotes rural US grids, coops, and helps the 3<sup>rd</sup> world with disaster recovery such as Haiti which recently lost many rural grids and renewable systems after Hurricane Matthew.



**Above:** Tom Lager showed a 1940 Silvertone 6359 which was value-priced at \$29 to \$35 including the A&B batteries. This was a 6 tube 4 band set employing 1.5 volt tubes and a class B amplifier circuit with AVC. Tom totally refurbished the cabinet and chassis of this beautiful radio.



## Nightly Baseball Radio Revisited

Last spring, we mentioned these stations accessible for night time baseball. Turns out, half of these teams made it to the playoffs and perhaps the World Series. The moral of the story is: if you want to make it to the playoffs and further, make sure you have a 50kW flamethrower as your flagship!

kHz	station	team
660	WFAN	YANKEES
700	WLW	REDS
710	WOR	METS
780	WBBM	CUBS
890	WLS	WHITE SOX
1080	WTIC	RED SOX
1100	WTAM	INDIANS
1120	KMOX	CARDINALS
1500	WFED	NATIONALS

## The Braun T1000

Story submitted by **Dave Snellman**, also appearing in NJARC newsletter. [Less but Better.](#)

The Braun T1000 (circa 1964-71) - a real museum piece.

I brought one of these radios to a club meeting, oh, maybe a year ago or so. The Braun T-1000 is a remarkable piece of German design and engineering from the mid-1960's.

I always have liked multi-band transistor radios, especially ones that covered the shortwave bands. My interest in shortwave radio started in junior high school and has never really gone away. Even with the loss of such power-houses as the BBC, Radio Canada, the VOA, and Radio Moscow, there is still some interesting programming available.

The Braun T-1000 was "state of the art" when introduced around 1964. It is a single-conversation superheterodyne receiver covering 13 wave ranges: long wave (LW,) broadcast (MW,) shortwave (SW,) as well as FM. It employs analog tuning along with a BFO (beat-frequency oscillator) for CW and SSB reception. It covers from 130 kHz to 30 MHz and FM from 87 MHz to 108 MHz. It employs a tuned front end along with highly sensitive FM stage. Nowadays, all this can be had in a single-chip model from China for about \$50.00, but not "Braun" quality. The cost of the T1000 in 1964 was around \$495.00! Other German sets with similar coverage could be had for less than \$200.00. It was so well engineered the German government made it available to its diplomatic corp stationed outside of Germany.

Something had to make the Braun T-1000 stand among other

portables of the time - besides its price? Enter design and German engineering, of course. The set was designed by the well-known German industrial designer, Dieter Rams. Part of his design philosophy was (and still is) "less, but better."

Over the top engineering can be seen in the T-1000. The turret-tuner used to switch bands has all gold contacts. A large window shows the various bands covered by the set. Tuning is accomplished by two weighted tuning knobs - of brushed aluminum. The brushed aluminum case exhibits sleek design styling and clean lines. Color coding of some controls simplifies operation. The set runs on either 9 "D" cells, or on 110/220 VAC; as well as 12/24 volt DC - via a built-in power supply.



I acquired the set about two years ago on eBay. It came complete with the instruction manual and schematic.

Also included was some background material on the set,

the options available (1965) as well as some information on its designer - Dieter Rams.



Considered more a collector's item now than a first class portable radio, it is still very desirable. Especially if you consider the asking price for one in good condition. Rams' designs were the inspiration for the design of a number of Apple's products. A Google search of the radio will provide such more information on the set. I consider myself fortunate to have a piece such as this in my collection. A real "museum" piece - as evidenced by one of these radios being on permanent display in the Museum of Modern Art in NYC (and others around the world).



## Meeting of October 11, 2016

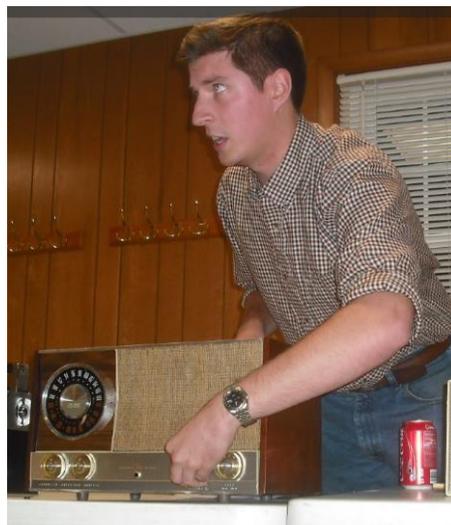
The theme of our October meeting was 1960's Radios. Hollow state and solid state units were shown.



**Above:** Terry Skelton showed a Tandberg Model 41 made in Oslo Norway for US market. The powerful audio provided good bass response.



**Above:** Tom Spiegle really digs 2 bright plastic Philco twin-speaker AAS's twins that shout out the truly daring 1960's style, man.



**Above:** Brent Lorraine does FM sound test on this hi-fidelity Zenith MJ1035 that he refurbished.



**Above:** Tom Lager recapped and replaced several transistors suffering from tin whisker disease to restore this beautiful TO.



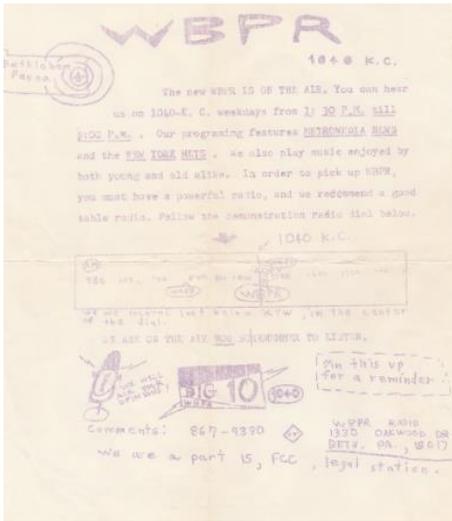
**Above:** Dave Snellman runs the table with his fine collection of Sony portables from left to right: STA-110 FM Stereo adaptor, TFM-110(W) AM/FM/SW, TR725 AM/SW, TR-817 AM, TFM-1000W AM/FM/SW and adaptor also shown below.



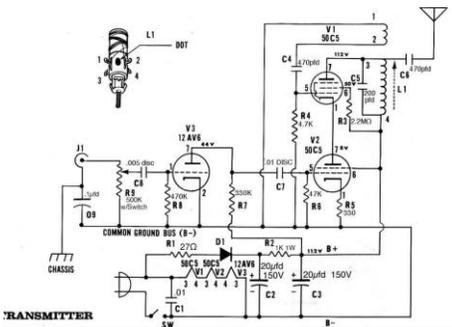
Sony TFM-1000W (1965-68) AM/FM/SW. 14 transistors, 4X1.5 volt batteries (D-cell) for.



Sony STA-110 (1965) Stereo adaptor. Runs on 3 C-Cells. Complements the TFM-110; however works with other Sony sets of that era - like the TFM-1000W



**Above:** It was the Summer of '69 when Greg Dottor set up WBPR (Bethlehem Pa. Radio) in his basement as a young teen broadcasting on an (unassigned frequency) of 1040 kilocycles to his neighbors and beyond. Using a somewhat longer antenna than recommended, the signal could be heard up to a mile+ using his mom's car radio. "WBPR"- still touted themselves as Part-15 legal and the FCC never came visiting. The program schedule imitated top-40 formats using friends such as "King Ken", "Tom Terrific" and of course "Groovy Greg" as DJ's. This activity lasted the good part of a month until his friends found other things to do. (You will need to magnify image above – darn mimeographs!) **Below:** Graymark 515 transmitter kit assembled by Greg that made it possible. Greg wishes he had not sold it for \$10 in 1971. It has become collectible and nearly impossible to find. The circuit is line powered presenting potential hot-chassis hazards.



## Upcoming Regional Events

Details for all following found on:

<http://www.qsl.net/w2vtm/hamfest.html>

**MAARC (Mid-Atlantic Antique Radio Club) RadioFallFest 2016 Sunday, 10.16.16 Opens 7:00.** Consignment starts at 09:00 and ends at 11:30 am; Big Auction starts at 12:30 pm (or earlier if raining). Location: Davidson Family Recreation Ctr., 3789 Queen Anne Bridge Road, Davidson, MD 21035.

**RF Hill Amateur Radio Club Hamfest Sunday, 10.16.16 Opens 7:00.**

Location: Sellersville Fire Co., 50 N. Main St., Sellersville, PA. Parking at E. Clymer Ave. & Diamond St.; free shuttle bus between parking and Hamfest site.

**NJARC (New Jersey Antique Radio Club) Fall Swap Meet Saturday, 11.05.16,** Parsippany Police Athletic League (PAL) Building, Smith Field, 33 Baldwin Rd (near intersection with Rt 46), Parsippany, NJ 07054 (between 1280 and 1287, adjacent to 180) Parsippany, NJ 07054 **Opens: 8:00 AM, vendor setup 7:15 AM; Walk-around Auction starts 11:30 am.**

**Expert antique radio repair available. Cost: \$5; Vendors \$20 per table (non-members \$25), additional tables \$15 advance or \$20 at the door.** Contact: Phil Vourtsis, 13 Cornell Place, Manalapan NJ 07726, 732-446-2427; or Richard Lee, 914-589-3751; or Marv Beeferman, 609-693-9430

## Themes for Remaining 2016 DVHRC Meetings

Nov 8- Radio/TV Station Items

Dec 13- X-mas party

## Joey Revisited

You may remember in the Summer 2016 Oscillator when we told you about 13 year-old Joey Warchal, of Philadelphia. Joey had toured the Eastern Penitentiary and took notice the radio in Capone's cell was wrong for the time period.



We're glad to report that the Eastern Penitentiary Museum, in Fairmont, provided Joey with funds to research and purchase a radio for the correct time period of his incarceration. The Prohibition-era mobster spent time at Eastern State in 1929 and 1930. The originally displayed radio was made in 1942.

Joey replaced the 1942 Philco A-361 with a Philco Lowboy 64 from 1929. Nice work Joey and we hope to see you at our next Kutztown event!

You can load the following links into your browser to see more, the second of which has a video clip of the story run on CBS-3.

[http://www.philly.com/philly/news/20160531\\_What\\_was\\_wrong\\_in\\_Al\\_Capone\\_s\\_cell.html](http://www.philly.com/philly/news/20160531_What_was_wrong_in_Al_Capone_s_cell.html)

<http://www.cbsnews.com/news/recreated-al-capone-cell-inaccurate-and-teen-notice/>