



The Oscillator

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



THE OFFICIAL NEWSLETTER OF THE DVHRC

FALL 2023

Kutztown XLVIII Review



The September 2023 Kutztown Radio show #48 is in the books and the following observations can be made. Both pavilions were sold out attesting to the continued popularity of this event.



Above: View from the other pavilion from this colorful vendor's table with an attractive assortment for sale on a crisp Saturday morning.

Below: Club table chief Walt Peters presides over Buy-It-Now and keeps things moving!



Above: Here is club member Wilbur Gilroy, with his usual plentiful array of bargains for you. See John Hagman's excellent essay via the DVHRC website or via the following links- (second one is a slide show with music background):

<https://john-h.smugmug.com/Kutztown-Fall-2023/>

<https://www.youtube.com/watch?v=ucqPlygeVAc>

Each event is different and not to be missed. Be it the weather, the illusive acquisition, the changing auction landscape or the surprise long-time friend in attendance to catch up with, we know you have been there for all of that and more. The DVHRC again thanks you for your continued participation!

Initially, there were fewer items piled on the buy-it-now club table but activity increased over time. In speaking with a few of you, some stated they did not bring anything home and instead sold a few articles (well at least the first day). We're pretty sure that today's divestments and tomorrow's investments are pretty much equal over time. However, there are numerous estates and our

divestments will be appreciated and shared by others. It is important to keep inventory moving to key interest in the hobby of vintage radio and electronics. The 5 PM Friday auction did not disappoint. These auctions are a great opportunity for those new to the hobby. John and Darren of JD Auction Services provided a "dueling auctioneer" format for the benefit of the club; 200+ lots were moved in quick order. Fewer consoles were lugged into the White Room as incoming ones were controlled to represent the best of this category. Thanks to Bob Bennet for auction video at: <https://www.youtube.com/watch?v=ebXEufHYZo>



Above: Camaraderie of the campfire on a cool Friday night. **Below:** Winner of Philco 37-630 raffle radio is Stephanie and Mitch Klem!





Delaware Valley Historic Radio
Club
PO Box 5053
New Britain, PA 18901
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 25th of month prior to quarterly issue dates of April, July, October and January to the editor at 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 2nd Tuesday of each month at Telford Community Center.

DVHRC Board of Directors

President:

Jarret Brown / 610-704-0803
jpb205@lehigh.edu

Vice President:

Tom Spiegel
Adxymox62@netzero.com

Secretary/Treasurer:

Dave Snellman / 267-328-8857
dsnellman@comcast.com

At Large members:

Fred Saul / 484-357-6537
fsantiqueradio@dejazzd.com

Greg Dottor / 610-844-6326

Typical 2023 Monthly Themes

Here are the remaining themes for our Telford meetings. Access to these can also be found on our web page **Events tab** and meeting reminders via Reflector.

Nov 14- My Favorite Console(s). Due to size and our aching backs, please bring flash drive with image(s), picture(s), or email them to JB. May also bring paper media and technical data. These will be displayed via projector at meeting.

Dec 12- X-mas Party at Red Cedar Grille, Colmar.

Upcoming Regional Events

Following are some excellent programs and a reason to have multiple club memberships in our region's clubs! Paste links into your browser to load. Also view regional hamfest events via:

https://www.arrl.org/hamfests/search/page:1/location.division_id:AT/model:Event

JD's Antique & Vintage Radio Electronics Auction Saturday, **November 4, 2023** **Preview at 9 am, Auction starts 10.** This one will be at Renninger's, 740 Noble Street, Kutztown, PA 19530 in the White Room. Over 200 lots for this event. More events include one back in New Jersey at Jackson Mills Vol Fire Company on Jan 6, 2024 Banquet Hall 465 N County line Rd Jackson NJ 08527. **Over 250 lots for Jan. event.** Search future auctions periodically. <https://jdauctionsllc.com/default.aspx?JDAuctionServices&p=1>

NJARC Fall Repair Clinic Saturday, **Oct 28, 2023 at InfoAge.** Email NJARC President Richard Lee to reserve a spot. <http://www.njarc.org/clubprograms.html#worshops>

Also at InfoAge 10 28, is the Vintage Computer (VCF) swap meet event! **TECHNOLOGY SWAP MEET & Fundraiser** including Vintage Computers, Electronics, Radios, TVs, Amateur Radio, Tech, Vintage firetruck and auto memorabilia

<https://vcfed.org/2023/09/30/vcf-swap-meet-wall-nj-oct-28-2023/>

NJARC Fall Swap Meet Saturday, **Nov. 18, 2023.** Opens 8 am until noon. **Where:** Parsippany PAL 33 Baldwin Road, Parsippany NJ 07054. www.njarc.org/directions.html#swapmeets. Email: radiorich@prodigy.net

XLIX (49) Friday, May 10, 2024 through Saturday, May 11. Opens 7AM on those days; Vendor setup starts 12 noon Thursday. **Auction is Friday 9.11 @ 5:30 in white room, Preview at 4:30.** Where: Renninger's Farmer's Market, 740 Noble St., Kutztown, PA 19530. **SEE MORE IN WINTER NEWSLETTER**

Tubes Needed for DVHRC Kutztown Inventory



After Kutztown XLVIII, we can say the sales of tubes at the club table may have been constrained due to the lack of audio tubes such as the 12AX7. So again, we make an impassioned appeal for replenishment of those most sought after audio tubes! During your fall appraisals, be generous by donating to DVHRC's tube program! Following are a list of the tubes the club is looking for.

Mark and others will test tube and the DVHRC will be grateful for your efforts.

Some Housekeeping Notes

Web references herein may need to be copied or manually entered into your browser if they do not work by clicking pdf link. We are always looking for a good story to publish, especially projects and technical fare which are harder to come by. Please forward them to: gdotto@yahoo.com

Meeting of July 11, 2023

This mid-summer meeting held in Telford was presided over by Dave Snellman. First, Al Simmons had been given a pristine Edison Diamond Disc by Fred Saul and wanted to research the timeframe and research the music. He did not have a DD player with the vertical tracking required by Edison's format. Al recommended a handy database *Discography of American Historical Recordings* (DAHR) for researching old recordings, mainly 78 RPM issues. 78's were produced through 1959. Courtesy the U Cal. Santa Barbara, funded by the NEH and Packard Institute, access at: <https://adp.library.ucsb.edu/index.php>

Click on search tab and supply one or more search terms such as song title, index #, label, etc.



Above and Below: As an example, I supplied an index number (76121) for one 78 in my collection- also shown on etching and Voila, it returned correct match and much background information.

Decca matrix 76121. Black bottom / Bob Crosby Orchestra

Title	Source		Notes	
Black bottom (Primary title)	Ruppli Decca			
Personnel	Notes			
Bob Crosby Orchestra (Musical group)			Ruppli session personnel	
Bob Crosby (leader)			Butterfield, Yank Lawson (T	
George Wettling (instrumentalist - drums)			Cutshall (trombone), Marty	
Eddie Miller (instrumentalist - tenor saxophone)			Edwards Miller (tenor saxoph	
Marty Matlock (instrumentalist - clarinet)			Bowman (piano), Carl K	
Yank Lawson (instrumentalist - trumpet)			Haggart (bass), George W	
Carl Kress (instrumentalist - guitar)			Bob Crosby (director)	
Bob Harpold (instrumentalist - string bass)			Documentation of Decca R	
Cutty Cutshall (instrumentalist - trombone)			from Michel Ruppli's "The I	
Billy Butterfield (instrumentalist - trumpet)			discography" (Greenwood	
Dave Bowman (instrumentalist - piano)			Data has not been system	
			or edited by ADP staff. asc	
Take Date and Place	Take	Status	Label Name/Number	Format
4/10/1950 New York, New York	[A]	Master	Coral 60254	10-in
4/10/1950 New York, New York	[A]	Master	Coral EC-1003	45-rpm
4/10/1950 New York, New York	[A]	Master	Coral B-50254	45-rpm
4/10/1950 New York, New York	[A]	Master	Coral DBL-57036	LP

A treasure trove of information is obtained including "take #" of recording session used. There are numerous hyperlinks which can lead you into more information and historic topics. Explore the resource and *other tabs* on this site for more. For instance, under resources you may explore by label such as Edison in Al's case. There are also references to digitized recordings and you may download MP3 formats onto PC or device for some titles. The DAHR

has no valuation data. The club conversation on this topic then turned to early recording such as acoustic and the advent of electronic recording, fidelity of these methods, the quirky T. A. Edison and also *procurement of specialized stylus* customized to play various disc formats. Based in UK, Expert Stylus Co. was recommended. See reference info: http://www.78tours.com/Expert_Stylus_Company.html

Also, note The Internet Archive, in partnership with George Blood LP, has been working since 2016 to digitize thousands of 78rpm records, some of which were made in the early 1900s. Over 400,000 records have been preserved. <https://great78.archive.org/>

The exhibition topic for this night was All Transoceanics and clones of TO's. Mark Thierbach chose to bring clones to avoid duplication of Zenith TO's and displayed several.



Above and Below: Mark shows the Hallicrafters TW-1000 which has been restored. He appreciated the over-built band switching which relies on a turret type switch somewhat similar to a television channel selector and found this to be durable and uncluttered without the many attached coils and crowded wiring scheme found on Zenith TO's of the same vintage. This set uses the same tube lineup as the original TO including the expensive 1L6 converter. KB8TAD provides the following regarding this set.

<https://people.ohio.edu/poster/bapix/TW1000.HTM>



Check out a portion of this episode often rerun:
https://www.youtube.com/watch?v=KpZ1L_XQ64I

Below: Mark shows us the TO model 7G605 aka the Bomber made 1941 until 1942 when Zenith converted to full war production. Mark did electro re-plating on the left panel but it was an arduous process. Note the dial labeling that read: **Trans Ocean**. On the Clipper (initial TO version) this label read **Special**.



Above: Mark shows the similar and kind of a clone of a clone with the Capehart model 88969BNL which was actually produced by Hallicrafters and based on their TW-2000 model. The similarity of this attractive Capehart is evident. The TW-2000 featured a similar brown case. It is interesting to note that this Capehart model appears on the Young Sheldon television series in the episode "A Swedish Science Thing and the Equation for Toast" which aired May 16, 2019 and now lives in syndicated reruns of the show. Sheldon invites the entire school to a party for the Nobel Prize announcements picking it off the shortwaves right as it happens from Sweden.



Below: Iconic Zenith TO's are no stranger to the big screen and one can be spotted in the latest Indiana Jones movie, **Dial of Destiny**. Other Zenith models often appear in Perry Mason episodes as well. The picture below is from the movie **Born Yesterday** starring the 1949 Zenith Transoceanic model G-500 and Judy Holiday.



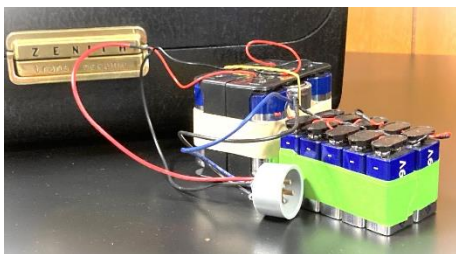
Above: Mark T. showed yet another clone, the short-lived Heathkit GR-43 produced 1969-1972. The unit is close in appearance to the Zenith Royal 3000. This unit used quality materials for the case and did not have the chrome pitting and degradation issues that can occur with the Royal 3000. **(See Below)** There is a story on the following forum stating that Zenith threatened to sue Heath and shortly thereafter they ended production of their clone. Too close for comfort! Ironically, it would be only a few years later in 1979 when Zenith purchased Heathkit, then a division of Schlumberger.
<https://antiqueradios.com/forums/viewtopic.php?t=257454&hilit=transoceanic>



Below: Mark displayed a Hallicrafters S-72 clone which had many advantages over the TO's of its time including being a true communications receiver with bandspread & BFO, continuous coverage, tuned RF, 2 IF stages & use of common IR5 pentagrid converter all at a lower price!
<https://people.ohio.edu/poster/bapix/S72.htm>



Below: Next up was Tom Lager who used a video presentation to show his wide collection of Zenith TOs he restored and operates. He also has most transistorized versions beginning with the Royal 1000 and 3000 and even including the Royal 2000 Trans-Symphony AM/FM and the last TO, the somewhat rare R-7000. His wide collection includes a recently acquired Bomber that had needed the leather handle to be reconstructed. At our August tail gate swap, Tom showed off his restored bomber with an excellent refurbished handle done by the Camody Shoe Service of Allentown PA. They may be reached at (484) 460-2548. Tom is looking to acquire the L600, T600 and B600 and will seek them out.



Above: Rick Mills discussed a battery mockup he produced on his own to supply clean power to various tube models which included a box (not shown) to fit his set. Club members made

observations that not only do most sets operate better with this battery power but should also be aligned while using the battery power. There are other batt-pack mock-up vendors online who will supply the hardware needed to construct such battery supplies along with some specific enclosure boxes showing battery or radio manufacturing labeling for accurate restorations.

Below: Dave Snellman showed back of JJ-500, a military grade G500 with tube & button shielding, spare tubes, and many power source options.



Above and Below: The JJ 500 had been made for the Korean conflict in 1952 but was late on arrival as the conflict ended and then became a morale radio for servicemen. Notice the military label # R-520/URR. This set with its ruggedized componentry still works flawlessly! There is a story that during the 1961 Bay of Pigs missile crisis, some of these sets were air dropped into Cuba. Being the outcome as it was, this model was said to become Fidel's go-to radio.



Below: Dave Snellman showed the rarest TO, the JB-600 (R520-A), another military grade set produced 1956- 61 with less than 3,000 made. They were given to high ranking officers.



Above: Jiri Placek showed a pristine Magnavox AW-100 complete with box and documentation. This set was purported to be the first transistorized shortwave radio and was produced in 1957 at the Fort Wayne, Indiana plant. This was the third and final US made transistorized set from Magnavox. See a video of one playing!
<https://www.youtube.com/watch?v=qlJLAitFYVU>



Above: The Lloyd's 9N24B-37A is a multiband analog radio that receives LW, AM, FM, VHF LO,

VHF HI, Air and 3 SW bands. The design looks familiar to Braun sets of the era but the source of Lloyd's supply is unknown. Jiri joked that this well-performing model may have destroyed the Lloyd's reputation for marketing less spectacular models. https://www.radiomuseum.org/r/lloyds_9n24b_37a9n2_4b37.html

This topic shows there is much expertise among club members on the ins and outs of restoration, history and specialized experience of problems that can occur with almost any TO or clone. It was recommended that the most popular model, the H500 of the 50's is a good one to begin with for your collection and restoration experience as it is a good performer and widely available. An authoritative TO book is *The Zenith Trans-Oceanic, the Royalty of Radios* by John H. Bryant and Harold N. Cones. This night's meeting audio on the TO topic was captured and can be made available but the audio file is large at around 100MB. It can be copied to your designated media upon request to the Oscillator editor.

Meeting of Saturday, August 19, 2023 This late-summer meeting was a Saturday tailgate auction held at Kutztown's Renninger's pavilion. As always, prices were insane!

Below: A delightfully cool day in August welcomed the attendees of our tailgate. This event is always an opportunity to offer parts of our collections to those new to the hobby.



Below: Tom Lager presented a completely restored, formerly very rough, Minerva Tropic Master Greg Dottor had given him last year. This included the recreation of the Tropic Master label and dial cover. Greg is eternally appreciative for Tom's work! It's push pull audio fills up a room!



Below: Reproduction label via vinyl image cut.



Below: Original condition of Army version khaki painted unit which was just a bit rougher!



It's about Time!

At our September meeting we discussed a published story stating the Canadian Broadcasting Corp. (CBC) ended their hourly long dash time signal on broadcasts stating transmission delays over the web and HD Radio. The original story did not mention that CHU was still operating and led to confusion. Luckily, Dave Snellman had brought a nifty portable that night and we quickly verified CHU was still operating! See updated stories and other references here:

<https://www.radioworld.com/news-and-business/headlines/cbc-radio-ends-iconic-time-signal-broadcast>

<https://www.cbc.ca/news/canada/ottawa/cbc-stops-broadcasting-national-research-council-long-dash-time-signal-1.6988903>

<https://nrc.canada.ca/en/certifications-evaluations-standards/canadas-official-time/nrc-shortwave-station-broadcasts-chu>



This is Gary Owens- on CHU radio 3330 Khz, All time, all of the time, and at the long dash it will be 12 hours, one minute, eastern standard time!