



The Oscillator



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

THE OFFICIAL NEWSLETTER OF THE DVHRC

SPRING 2025

Moving into Spring

It has been a slow transition into spring with a cool start so the club looks forward to warmer days and our Kutztown 51 event just around the corner! Featuring a new two day format, we are confident that the best parts of Kutztown will linger longer and make for a more vibrant Saturday experience. It will be important for club volunteers to show up early Friday (@ 7AM) in order to set up the club table area.

The Friday auction will be chock full of great items according to John and Darren with only 80 lot spots remaining. Club members can enter a lot prior Sat. May 3rd at auction setup in the white room.

Kutztown Antique Radio and Vintage Electronics Show LI (51) Friday,

May 9 through Saturday, May 10, 2025. Sellers do not come on Thursday. Vendor setup starts 8am Friday.

Hours: Friday 10am-5pm, Saturday 7am-3. Auction is Friday, 5.9.25 @ 5:30 in white room, Preview at 4:30. Where: Renninger's Farmer's Market, 740 Noble St., Kutztown, PA 19530. Antique radios, parts, and related items. Audio and Ham welcome. Tables, electric available. Dealer spaces 10' x 10' incl. table \$55, extra tables \$10.

Exhibitor reservation advised: Phone M-Th 570.385.0104; F-S 610.683.6848. See links at: <https://www.dvhrc.com/>

Kutztown FAQ listing:
https://www.dvhrc.com/Kutztown_101.pdf

Having previously provided event info in boilerplate format and since issued infrequently, this editor thought it would be better to simply supply a summary and links. It is my hope that you are able to load links (in blue) on your device directly from this format; also, much richness is provided by links within the stories that follow! Please advise if there are any problems loading content.

National Museum of Industrial History, Bethlehem, Pa. "Unseen Signals" Traveling Exhibit, through April 30th.

Unseen Signals celebrates the life of the unsung genius E. Howard Armstrong. Having seen this excellent exhibit, it documents his influences and fearless personality. [Also, there will be a special Curators' Tour on Friday, April 25th at 4 PM at the museum. Join IEEE curators and historians Alex Magoun and Daniel Jon Mitchell for a behind-the-scenes highlights tour of their exhibit.](#) If you miss it at NIMH, Bethlehem, the exhibit next travels to InfoAge Museums at 2201 Marconi Rd., Wall, NJ 07719. <https://www.nmih.org/event/curatorstour/armstrong/>

Tri State Radio Fest, Pittsburgh Area Radio Club, Monaca PA. Sun. April 27th. Antique Radios, audio gear, tubes, vintage electronics- all types! 70 TABLES! <https://pittsburghantiqueradiosociety.org/2193-2/>

2025 AWA Spring Meet, Bloomfield, NY Sat. May 3rd. Meet, Flea Mkt & Auction will be held at Veteran's Park. <https://www.antiquewireless.org/homepage/2024-spring-meet/>

2025 Warminster, PA Hamfest Sunday, May 4, Gates open 7AM. Rain or Shine
<https://wp.k3dn.org/hamfest/>

NEVEC Vintage Electronics Flea Mkt on Sat. May 17th 7:30 am to 12pm at the Brookline Event Center in Brookline, NH. Vintage radio, audio, ham, early computers >25 yrs. old. <https://wp-content/uploads/2025/03/2025-spring-brookline-poster-rev2.jpg>

MAARC RadioActivity 2025 Thursday, June.19th 6 PM through Saturday, June 21st 5 PM, Annapolis, MD. Theme – “The Evolution of Cabinet Design”
<https://maarc.org/radioactivity-2025/>

2025 AWA Annual Conference Tues., October 7th to Sat. October 11th. Henrietta, NY. Theme – “Television”
<https://www.antiquewireless.org/homepage/annual-conference/>

Regional Hamfests during 2025
https://www.arrl.org/hamfests/search/page:1/Location.division_id:AT/model:Event

AWA Shares

Each month there will be a well-researched presentation via Zoom including a question and answer session. It is free and you don't have to be an AWA member! AWA Webinar Wednesdays will be held the third Wednesday of each month and the next one is All About Audio Capacitors with Bill Tomkiewicz. When: April 16, 2025, 08:00 PM Eastern. See the following link to register for this & future shares!
<https://www.antiquewireless.org/homepage/awa-shares/>



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

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2025 Meeting Themes

Here are upcoming DVHRC Telford themes also found at: <https://www.dvhrc.com/events.html>

May – No Monthly Meeting.

Fri-Sat. May 9 & 10– Kutztown LI (51) Antique Radio & Vintage Audio Show.

Jun 10- Restoration Hints, Tips & Tricks

Jul 8- General Show & Tell.

Aug xx- Saturday Date TBD- Tailgate Swap Meet under the pavilion at Renningers, Kutztown **10AM**.

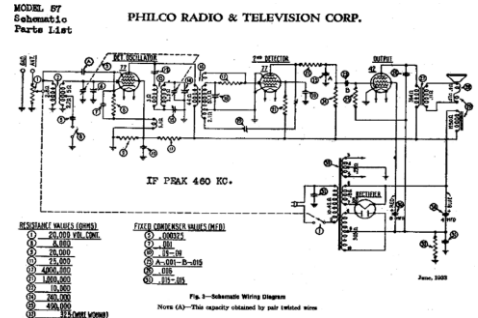
Meeting of January 14, 2025

The theme was *"What I got for Christmas...or lately"*. The end of a year can be a time of special gift or purchases. Here are a few presented on this night.



Above and Below: Greg Dottor and several other club members attended the Radiotiques collection auction at Embassy International back in October. Here we see a beautiful Philco 57C, one in a line of "pee wee" or mantel radios from 1933. The radio is a 4 tube superhet using regeneration of the 2nd detector #77 tube adjusted once during setup. It is a transformer set, with heft as opposed to AC DC version 54C sold during the same period. This "pee wee" set competed against the less sensitive Emerson 25A TRF which sported an Eames cabinet. The 57C was based on the 1932 model 80- (196,000 sold during the depression year

1932). They packed the 80 concept into a smaller cabinet for the 57C. These mantel models were produced through 1936 and sold for \$20- \$30 during the period with attractive photo- finishes applied to later 58C & 59C versions of this depression-era line. https://www.tuberadioland.com/philco57C_main.html



Many radios sold from Jeffrey Goldstein's Radiotiques collection were in pristine condition, restored and operating. Check out his awesome story with pictures; he found a lifetime pursuit of this hobby while also achieving a notable career in psychopharmacology developing ground-breaking drugs. <http://www.radiotiques.com/>



Above and Below: Jarret Brown shows the 1949 Gridiron Radio G7-801 from Empire Mfg. of Amarillo TX. The radio body is painted, durable cast metal using a miniature AA5 tube complement.





Above and Below: Donna Acerra, having taught the history of radio to college classes, is often gifted radios by former students. Here are a few including a Koyo 10 transistor and a 1955 Zenith R511R "Broadway". Through the 1960s, Koyo of Tokyo had manufactured and sold millions of portable transistor radios. Their best-selling model KTR-624 had shipped over one million units in ten years since its release in 1961. Several models had been sold under other brands and also supplied to other manufacturers incl. Philco, Grundig, etc. In August 1973, they ceased manufacture of audio products including radio receivers and record players. Donna aims to restore the Koyo which had a faulty battery connection. You can watch the Koyo in operation via link below.



https://www.youtube.com/watch?v=BrcrK_3nA9Y



Above: Donna has located a handle for the Zenith and will take care to have the set reviewed for shorts, etc. before plugging in.



Above and Below: Chuck Azzalina shows off a very high end lab piece of its time, a General Radio Co. 361A vacuum tube bridge, with a serial number 52 attesting to limited production runs as this is a lab instrument specifically used for the study and design of tubes of the directly heated (filament) triodes such as the 26, 71, 45, etc. Users could be a manufacturer/designer doing dynamic tube testing. This model was only made for one year and replaced by the "B" version in 1928 which allowed testing of indirectly heated tubes, and in 1930 with the model 561, a much larger model that was adapted as tube technology advanced and this model was produced until 1960.

https://www.worldradiohistory.com/Archive-Company-Publications/Archive-General-Radio/GR%20Exp%201952_09.pdf

The meters are only used to set voltage and current. It works like an impedance bridge where you balance a bridge between two arms. The unit must be powered by batteries and utilizes an adjustable tuning fork audio generator driving a carbon mike to give a signal for measurement of transconductance, nulling thru headphones. If a power supply was used the hum from the supply would make it impossible to detect the null. Transconductance measuring ranges from one tenth to 10,000 Mho. It also measures amplification factor and plate resistance. Precise measurements taken from the control markings are read when balanced and then solved via highly involved (@10 to 15 levels) engineering calculations. In 1926, the total package of the instrument, batteries and audio generator would have cost @ \$500. The wire wound resistors are still right on spec value, also with low

inductance for this precision piece. Chuck needed to find a replacement meter from the collector community and will still need some repairs (of mods someone made) to complete restoration. There are no schematic sources or wiring diagrams so the collector community will need to be accessed to assure wiring connections. Collecting rare vintage instruments is a passion for a few, but highly competitive among this group. Chuck has the passion for test equipment as proven by his collection of 100 oscilloscopes.



Below: Ernest Allen brought a working 1957 Ever Ready, Ltd. "Sky Casket" British set which covers long and medium wave bands using a handsome casket (case) using a 1.5 and 90 volt battery combo. There is intertwined history starting in the early 20th century that includes Russian immigrant and entrepreneur Conrad Hubert who becomes connected with the British EverReady Ltd and then later in the century connected to eventual US Eveready battery brand. https://en.wikipedia.org/wiki/Eveready_Battery_Company



<https://www.snellingsmuseum.co.uk/artefact/audio/everready-sky-casket>

Below: Tom Lager displayed his Raddy RF75A, a tiny unit with a big heart at a price of around \$50 at this time. Includes AM, FM, VHF, Weather Band, SW and Bluetooth (see ranges below). It puts out strong sound as well and good fidelity thru headphones. Includes remote control app for direct entry of frequency and much more. Does not have BFO. VHF is FM only so it will not pick up air traffic communications (no VHF AM). Check out the demonstrations below:

<https://www.youtube.com/watch?v=lw8TEiFjBQo>

<https://www.youtube.com/watch?v=ZwjZi3D-LiA>



520-1710KHZ

64-108MHZ(Step Value: 10KHZ)

4.750-21.850MHZ

162.400-162.550MHZ

30.000-199.975MHZ

16g-32g (FAT32 format), 64g-256GB (exFAT format, try reformat

MP3, WAV, WMA

3.6" x 2" x 1" / 3.7 oz

1 x RF75A, 1 x Storage bag, 1 x Lanyard, 1 x Wire antenna, 1 x



Below: Dave Snellman showed his Christmas acquisition at our meeting, another portable shortwave receiver, the Quodosen DX 286. This radio costs about \$80 and features the TEF6686 Automotive Chip with SNR ≥ 60dB, with ultra-high sensitivity and selectivity. Covers LW,AM, FM, Shortwave bands. A Data System (RBDS/RDS), Antenna Attenuator, Antenna Switch, AMP Switch, 1,000 Presets, Tone Switch, Clock with UTC, Alarm/Sleep functions.



Below: Dave found the DX-286 to be quite sensitive on FM rivaling his old Sony CRF-230. As proof of its DX capability, the winner of the NJARC DX contest, Frank Feczko of Leesburg, FL had the top score using this receiver as shown on page 11 of the NJARC March Jersey BC newsletter! See the link for total results including antenna and longest DX reception.

<https://www.njarc.org/broadcaster/BC202503.pdf>

The 2025 BCB DX contest drew 19 logs from 13 contestants

2025 NJARC BCB DX Contest - Official Results				
CAT	AWARD	NAME	SCORE	RADIO
B-Primitive	1st B	Edward Suhaka	1552	LM386 Regen (homebrew)
C-20's Batter	1st C	Aaron Hunter	4017	Metrodyne Super Seven Single Dial
C-20's Battery		Joe Devonshire	3638	RCA Radiola IIIA
D-TRF	1st D	Joe Devonshire	7585	Atwater Kent Model 40
E-Home	1st E	Aaron Hunter	7539	Zenith 85129
E-Home		Sarah Gath	5355	Midwest K11
F-Comm RX	1st F	Mark Hilliard	7714	Hallcrafters SX-62A Mark I
F-Comm RX		John Ruccolo	7306	RCA CR-88A
G-Ultralight	1st G - First O/A	Frank Feczko	9567	Quodosen DX-286
H-AAA/5/6	1st H	John Ruccolo	7425	Silvertone 1002
H-AAA/5/6		Richard Lee	3953	G.E. Model 425 - 6-Tube - 1951
K-Open	1st K	Bill Sloma	9087	SDRPlay Rspdx
K-Open	2 st K	Neveel Greenough	8909	Bendix Navigator 555
K-Open		Frank Feczko	8898	Lionel 457 Radio Station
K-Open		Mark Hilliard	8821	Potomac Inst. FIM-21 Field Strength Meter
K-Open		Mario Volpe	7857	Kenwood R-1000
K-Open		Al Klase	6248	Drake R8B
K-Open		Ed Papsion	6034	ICOM 7300
K-Open		Daniel Gervais	4011	Hallcrafters SX-28A

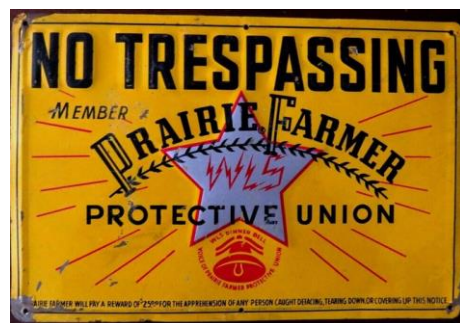
That's 19 logs from 14 contestants. Down considerably from last year. Conditions not so good.

Meeting of February 11, 2025

The theme was "Radio Station Items". Our samples were seen via Zoom online due to looming inclement weather on that night. A lively conversation ensued with much shown of which images have been provided by online exhibitors. Comments including the benefits of meeting via Zoom, for our distant members and perhaps meeting once like this each year during winter months.

Below: Dave Abramson, a lifetime broadcast professional showed a Prairie farmer protective union sign he has on his wall with regional WLS badging. Prairie Farmer magazine was founded in 1841 in Illinois to educate and protect the farm community.

<https://www.farmprogress.com/farm-business/prairie-farmer-an-integral-part-of-indiana-agriculture>



Above: Dave proudly displays a sign such as this on his wall (various editions) as a tribute to his native Midwest radio days.

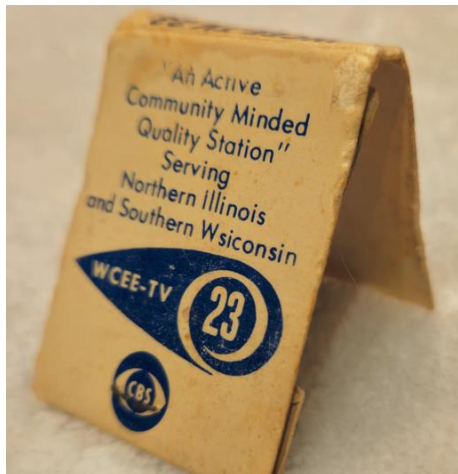
<https://www.richsamuels.com/nbcmw/wlscontents.html>

Established in 1924 by Sears, WLS (World's Largest Store) sold the station to Prairie Farmer Magazine in 1928. As children of the sixties many listened to the big 89 both regionally and with its 50kW received right to the east coast during evenings, may have accompanied our nightly homework.

[https://en.wikipedia.org/wiki/WLS_\(AM\)](https://en.wikipedia.org/wiki/WLS_(AM))

<https://www.wlshistory.com/>

Below: Dave Abramson, shows a misspelled “blooper” pack of matches from WCEE TV. How many of these still exist?



Below: Dave Abramson, a member of the Broadcast Pioneers of Philadelphia received a KYW AM card radio which is a badged Casio RD-20. The earphone jack is the on-off switch and there are 3 volume settings L/M/H. There is an FM version of the RD-20. <https://www.techeblog.com/credit-card-radios-casio-rd-10/>

Check out the Broadcast Pioneers site at: <https://broadcastpioneers.org/media/>



Below: Dave also mentioned the Easy 101 radio provided by WEAZ to local businesses.



Above: Around 1985, WEAZ began offering free radios to local businesses through a letter writing campaign. The radios were permanently tuned to 101.1 FM and had no external knob for changing the frequency. These were high quality table units in a rosewood cabinet weighing almost 13 pounds and featuring a six inch speaker. An optional matching speaker-only attachment was also available. According to owner Jerry Lee, they gave away 50,000 radios worth \$1.7 million. As a result of this promotion, 101 FM in Philadelphia likely had the highest percentage of daytime listening of any station in the country for almost 20 years. Some of these radios are still in operation today and are routinely seen in medical office waiting rooms throughout the Delaware Valley. A label on the radio reads “L&K Sales” which refers to the station owners at the time, Lee and Kurtz. At one point, rival station Kiss 100 offered a kit containing a small plastic screwdriver and instructions for re-tuning the radio to the nearby Kiss 100 frequency of 100.3 FM. The station met with protest from Eazy 101 over this offering, and very few radios are known to have had their frequency altered. Because the radios did not use a quartz crystal-controlled tuning system, they were very prone to becoming slightly de-tuned over time, resulting in many being discarded by the late 1990s due to audible interference.

Below: Bob Bennett discussed some DX digital TV reception of channel 69, transmitted from South Mountain in Allentown, PA, stretching the limits of DT from his NJ home. Notice the spelling of the graphic “gang violence”. Funny thing is that his digital antenna isn’t even pointed in that direction- It’s pointed towards NYC (Manhattan). Digital TV is pretty much “line of sight” for reception, but he has a slight advantage– the patio behind his house has an aluminum cover that’s about 20 foot wide and 10 foot deep acts as a “reflector” for improved reception since my antenna is about 25’ high and next to that cover.



Below: Bob shows a shot from Lodi NJ, 230 Route 17 (Satin Dolls) which served as TV’s Sopranos filming location, renamed “Bada Bing” where one of the WABC towers is seen in the background. YouTube “tours” of the club and other Soprano filming locations exist. (May contain violent scenes).



https://en.wikipedia.org/wiki/Bada_Bing!

WABC, noted for far-reaching coverage, can be tracked via radio-locator.com; click the link below to see transmission patterns and the location coordinate sub-link (google satellite) to view actual antenna from above. <https://www.musicradio77.com/transm.html>

<https://radio-locator.com/cgi-bin/finder?call=wabc&sr=y&s=c>



Above: Bob Seiwell showed an RF danger sign (similar to above) placed at satellite earth stations when he worked for ATT. Here is the FCC website FAQ's for review of your exposure; there are opinions based on research regarding everything from amateur radio to cell phones. Most transmissions are low power and not found to affect humans.

<https://www.fcc.gov/engineering-technology/electromagnetic-compatibility-division/radio-frequency-safety/faq/rf-safety>

Below: Signage of AM 1440, WNPV, Lansdale, now operating at reduced power. Folks can walk right up to these if they ignore no trespassing sign!



Above: Jarret Brown shows a blast from past during a broadcast day at WGPA with trusty LPB Signature board. The piece was sold by the station to one in Troy, PA almost on the NY state line. It served as production for that station but a friend, who serviced the Troy station as engineer last year saw it mothballed in a closet. He mentioned that he his friend, JB, who might be interested in acquiring it. He brokered the deal and delivered it to the spring 2024 Kutztown Radio meet last year. Funny thing is, at this radio meet a random guy stopped and stated that this was an LPB board. Turns out, this guy worked for LPB (Low Power Broadcasting of Frazer, PA), right out of high school and after examining serial codes, dating it and examining the unit, found that he had likely hand-wired this same piece! Who would think that you'd have the guy that used the board, engineer who installed the board and the technician who built the board all walking around this Kutztown event on one Friday afternoon! Check out the LPB signature manual at:

<https://steampoweredradio.com/pdf/lpb/LPB%20Signature%2011%20Audio%20Console%20Brochure.pdf>

Below: Repatriated board still looks great in Jarret's radio space. Jarret prefers the rotary knobs as opposed to sliders. Below is a live demo of the board and its operation.



<https://www.youtube.com/watch?v=vxqYS8s2jp0>



Above: Dave Snellman displayed shortwave QSL cards and pendants including a North Korean flag to the left during the heyday of shortwave broadcasting.

Below: Notice the IRC (International Reply Coupon) negotiable for mailing the QSL cards to the US from most countries.



Below: Ashtrays were common promotional items during the radio days and Dave showed a nice Collins item, designed almost as solidly as their radios.



Below: Tom Lager proudly owns a WFLN mug which promoted the great composers he heard on this former classical music station on 95.7 MHz. Tom listened faithfully until new owners switched to rock/pop format in 1997, later becoming WBEN and branded Ben FM. The station signed on the air on March 14, 1949 as WFLN, which was started by civic leaders as a "classical music and fine arts" station. It was owned by the Franklin Broadcasting Company. The call sign, then as now (WBEN), referred to Benjamin Franklin, an eighteenth century civic leader in Philadelphia and one of the founding fathers of the USA.



Below: Here is an interesting history of WFLN and bio on Ray Green, a former owner with more background below.

<https://www.broadcastpioneers.com/raygreen.html>

<https://www.broadcastpioneers.com/bp11/wfln.html>

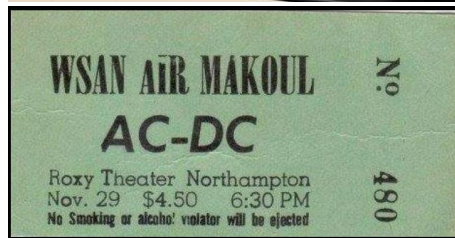
Below: Radio as a business can be cruel as a profit driven venture. The end of a format such as the WFLN classical program can come suddenly as the former owner(s) sell the station when there is money to be made.

<https://phillyradioarchives.com/history/wben>

Here is a recording of a WFLN program from October 1990, stand by to relax with excellent music hosted by David Conant.

<https://www.youtube.com/watch?v=6LCslDabZ0s>

Below: Mark Hilliard used to hang out with a friend who worked at 5 kW WSAN AM 1470 hoping to get employment there but all he got was this coffee mug shown with novelties including his dad's tube displays. WSAN pioneered an album oriented progressive format in the mid 1970's, known as "The Music Box". The format featured promotional concerts of top acts at the nearby Roxy theatre. (Aircheck Below) FM would eventually preside over this format as it became popularized. Notable WSAN alumni include Lynn Kratz & Denny Somach.



LOUDEST BANDS: Manfred Mann's Earth Band, Nazareth, Montrose, Status Quo, Rush
 MOST FUN: The Sensational Alex Harvey Band
 MOST PROFESSIONAL: Roy Wood's Wizard, Mahavishnu Orchestra and Return to Forever with Chic, Corea
 MOST ENERGETIC: Melissa Manchester, Bruce Springsteen, Saver, Billy Joel
 MOST OUTRAGEOUS: Tubes, Kiss, Sparks
 WORST BANDS: Stories, T. Rex
 BEST: Impossible to decide, choose your own.

1973 Feb. 27 The Dillards
 John Herald and the Honkas March 6 Brian Auger
 and Paul Geremia March 12 Roy Galt

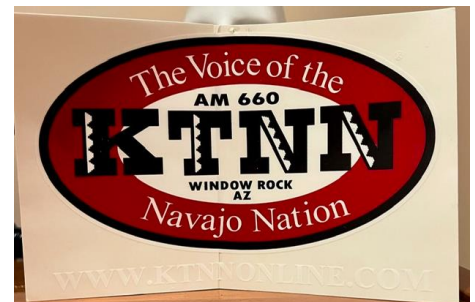
<https://www.facebook.com/1630445112/videos/217979760165110221088752601709>

<https://en.wikipedia.org/wiki/WSAN>

Below: Mark Hilliard had done engineering work at the WLEV transmission site and found these matches there. This building on South Mountain had served as transmission site for a discontinued UHF site as well with remnants of the antenna array on the premise. WLEV had previously been WEST-FM with studios in Easton. Apparently, they may have been owned along with the Lancaster station group of WGAL TV, Lancaster.



Below: Donna Acerra received this bumper sticker as professor of communications as a participant in an exchange program where students from the Lehigh Valley served at KTNN in Window Rock, AZ and the students from AZ would come to the Lehigh Valley.



The main genre of this station is country music, which mixes Classic Country with New Country. Blending in with this format is traditional Diné music depending on the time of the year. This could include Winter songs, Summer songs, and others. Not only is Diné music played, but other songs from different Indigenous tribes such as Southern Pueblo's, Hopi, Apache, etc. its Diné audience, the online outlet for KTNN draws listeners not only from across the U.S. but literally "all over the world" as those comment on how they're listening in from Hawaii, Germany, and France. It is an other-worldly

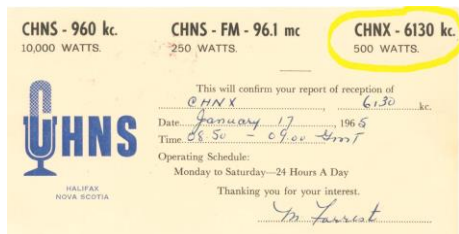
experience to take in the culture of the Navajo via radio when driving your car through the high desert of northeastern Arizona.

<https://www.ktnnonline.com/>



Tségháhoodzání, the "Window Rock"

Below: Terry Skelton mentioned that there are groups of Urban Explorers which seek out abandoned facilities to explore them—including shuttered radio stations and transmission sites. In a way, it is related to archeology (in the near term), or the study of human history through the excavation of sites and the analysis of artifacts and other physical remains. Note that there is some danger in doing this with crumbling structures and the likelihood they are on private property so most participants are young. Such an organization exists in Canada called the UER (Urban Explorer Resources). Several years ago this editor pondered an old QSL card (lost but just like below) of maritime Halifax, NS, Canada's CHNX, 6130 kc, now a silent key. It was fun to ride the grey line propagation to snag this one back when I received it!



When I searched CHNX, a rebroadcaster of CHNS AM, I found that UER had explored the site and done a picture essay on the

building and its remnants. It's kind of creepy but still preserved online as long as UER.ca maintains their website. This facility overlooking Halifax harbor was demolished and redeveloped into a housing development. Seems like this transmission facility became a party house for teens as we are reminded that nothing lasts forever! Since demolished, you are free to view the various photo albums over seven visits.



<https://www.uer.ca/locations/show.asp?locid=27001>

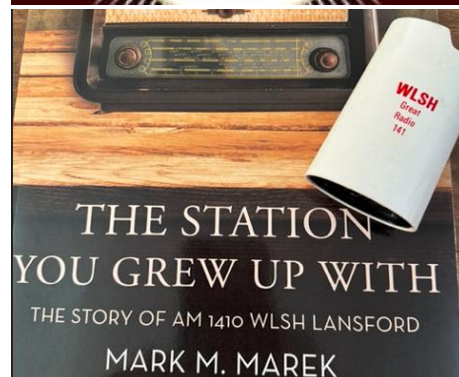
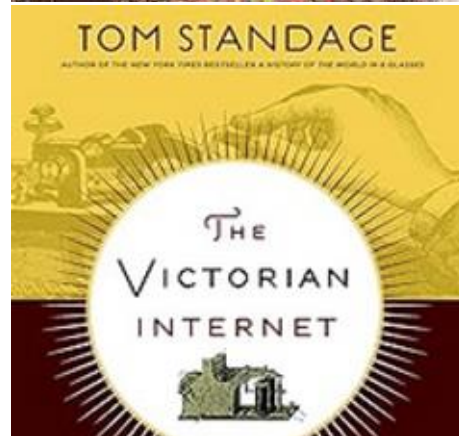
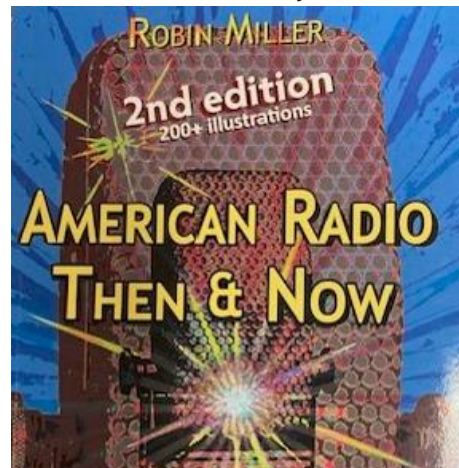


CFCX	Canadian Marconi Co., Montreal	Montreal, Que.	6.005	75
CFRX	Rogers Radio Broadcasting Co., Ltd., Toronto	Township of King, Ont.	6.007	1,000
CFVP	Voice of the Prairies Ltd., Calgary, Alta.	Strathmore, Alta.	6.03	100
CHNX	Maritime Broadcasting Co., Ltd., Halifax, N. S.	Bedford, N. S.	6.13	500
CJCX	Eastern Broadcasters Ltd., Sydney, N. S.	South Bar Road near Sydney, N. S.	6.01	1,000
CKRO	Transcanada Communications Ltd., Winnipeg, Man.	Middlechurch, Man.	6.15	2,000
CKRX	Transcanada Communications Ltd., Winnipeg, Man.	Middlechurch, Man.	11.72	2,000
CKFX	Western Broadcasting Co., Ltd., Vancouver, B. C.	Lulu Island, B. C.	6.08	10
CBFW	Canadian Broadcasting Corp., Montreal	Vercheres, Que.	6.09	7,500
CBFX	Canadian Broadcasting Corp., Montreal	Vercheres, Que.	9.61	7,500
CBFY	Canadian Broadcasting Corp., Montreal	Vercheres, Que.	11.705	7,500
CBFZ	Canadian Broadcasting Corp., Montreal	Vercheres, Que.	15.19	7,500
CBRX	Canadian Broadcasting Corp., Vancouver, B. C.	Lulu Island, B. C.	6.16	150
VE9AI	Edmonton Journal, Ltd., Edmonton, Alta.		6.005	200
VE9AL	Edmonton Journal, Ltd., Edmonton, Alta.		9.54	200
CKOB	Canadian Broadcasting Corp., Montreal	Sackville, N. B.	6.09	50,000

Above: 1947 list of lower power regional shortwaves of Canada. Only CFRX of Toronto remains. CFRX has installed a new solid state Armstrong transmitter. It should be noted that the station is now operating with a non-directional pattern, using a single 50 foot vertical tower. With CFRX operating non-directionally, its purpose was now to keep Canadians travelling south to the U.S., in touch with Canadian news. In the past, the target was to reach Canadians in the north.

<http://web.archive.org/web/20051217100227/http://odxa.on.ca/cfrb/cfrb2.html>

Good Reads The following titles were recommended by members.



Are you Ready for Kutztown 51 in May? I sure am!!