

All the Electrons that are fit to flow.



OSCILLATOR



The Official Newsletter of the DVHRC

Vol. 11, No. 2, April, 2003

Hi-Fi Fisher, Lo-Fi Motorola at the DVHRC

March 2003 Meeting Minutes and Notes

Dave Snellman – reporting

It's March, the month that spells the start of Spring. It cannot come soon enough for some of us. It's been a cold, hard winter, but I don't have to tell you that. Our March meeting was well attended and full of interesting items. The Kutztown meet is coming up fast.

Our President, Mike Koste, called the meeting to order. We had a full slate of old and new business. First order was to issue thanks to all who participated in the "tube rescue" from last month. Lots of tested, boxed, and labeled tubes have been added to the club inventory. These will be available for sale to members at monthly meetings and also the club will be selling them at the meet in Kutztown. Many members offered to take home tubes to test, label, box and return; so there will be more available in the upcoming months.

With the ready availability of the "Riders" on CD, the club has decided to sell off our set of Riders (Volumes 1 through 17) at the auction at Kutztown.



We had a new "vox populi" question this month. The question posed to everyone present was "What is your everyday radio?" The submissions will be compiled and presented as an *Oscillator* article. (Who says they can't write for the newsletter? See how easy it is.)

Speaking of the *Oscillator*, there will be a listing of the estate items in there for all to see. This is the listing of items from the estate the club purchased and will auction off at the Kutztown meet.

Inside the Oscillator

Meeting notes.....	1
More notes.....	2/3
Auction items.....	4
More auction.....	5
Even more auction.....	6
Vox Populi.....	7
Advertisers.....	8



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

Meeting Notes continued from Page 1

Speaking of the *Oscillator*, there will be a listing of the estate items in there for all to see. This is the listing of items from the estate the club purchased and will auction off at the Kutztown meet.

A few more items about the Kutztown meet: First, a show of hands pointed out that at least 18 members plans to be there Friday night and take part in the dinner-meeting. Second, an offer was made to the New Jersey Antique Radio Club (our brothers across the river) to join us Friday night. Many of them plan to do so. There was also an offer of a club table for NJARC's use. They graciously accepted that offer, too. Third, as it looks like this will be large meet and the auction is growing, we will need as many volunteers as we can get to assist. Remember, you will be helping your club.

Steve Wallace has placed an ad in ARC for the meet. If you subscribe to ARC, use your 20-word ad to "push" the meet.

In other business, membership renewals for this year are at about 90 percent. That's a very good number. If you haven't paid your dues, please do so as soon as possible. The club treasury is healthy. We have a balance of \$5280.32 as of March 9, 2003.

We had a short "show and tell." Don Rector brought to the attention of the membership of a website - radiolocator.com. This is useful for determining the location and other information about a radio station. Keep this in mind. Don also reported on station CHWO from Toronto, ON. This station has an interesting oldies format. It is on a Canadian "clear-channel" frequency and is readily heard in this area. For those interested, you can QSL the station through the Ontario DX Association.

Speaking of AM radio, both WWKB on 1520 kHz and WSAI on 1530 kHz are running "oldies" as their format. WWKB is also airing some of their classic WKBW jingles, ads, etc. Check them out.

Jiri Placek told us of his trip to Europe and to the Czech radio club he was able to visit. It was a very interesting story. Jiri was able to bring back a Philips model 990.

Believe it or not, with all this to report we still found time to have a technical presentation. Chuck DiGiorgio and Jack Spears provided a technical session on restoring and caring for vintage hi-fi equipment. Using a Fisher Model 400 and a Fisher Model 500 receiver, they went through some steps you can take to get a little more out of equipment of this vintage.

A little background on these units for those not familiar. The Fisher 500 series of

The *Oscillator* is published monthly by members of the non-profit DVHRC. Its purpose is to provide a forum to educate, inform members and communicate with collectors and persons who of vintage radio technology.

We welcome and solicit information relating to radio history or collecting. Submissions should be carefully researched, typed and accompanied with clear photographs or diagrams. Material on disk should be in Word and Jpg formats.

Unless copyrighted by the author, material in the publication is available for authorized reproduction for non-profit use.

Personal views, opinions and technical advice offered in the newsletter do not necessarily reflect those of the 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 \$15 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.

DVHRC BOARD OF DIRECTORS

Dave Abramson
Mike Koste
Lewie Newhard
Bill Overbeck
Dave Snellman

FOUNDING PRESIDENT

Jay Daweler

OFFICERS

President: Mike Koste
Vice-president: Dave Abramson
Secretary/Treasurer: Dave Snellman

OSCILLATOR EDITOR

Dave Abramson

CONTRIBUTIONS AND ADS

DVHRC Editor
1649 Yellow Springs Rd
Chester Springs, PA 19425
610-827-9757 phone/fax
dabr@worldnet.att.net
(deadline is the 20th of each month)

Material submitted is subject to acceptance and editing by the editor. A full page made is approximately 400 words. Revised photos may be submitted for cropping. JPG files should be under 100K.

receivers was introduced around the time FM stereo was introduced. It was one of their most popular receivers. It had a peak output power of around 65 watts. This was derived from push-pull 7591's. The model 400 was one of the last Fisher tube receivers and was introduced in 1964. A simplified version of the 500, the 400 used 7868 Novar-type tubes running in push-pull configuration. Output is around the same as the 500, 65 watts.

One of the problems with these tubes is they are very rare. One thing you can do to help preserve tube life is to install a "bucking" transformer. If you remember in a previous issue we discussed this concept. A "bucking" transformer will help reduce the line voltage to a level this type of equipment was used to. Chuck says the voltage at his house is running around 124.5 volts. Older equipment was designed for 110-117 VAC. This higher voltage makes everything run a little warmer (hotter.) We all know that heat, especially excessive heat can shorten the life of our precious gear. By installing a transformer to "buck" the AC voltage, Chuck was able to get close to the 117 VAC from the line. Chuck mentioned an alternate method used by Al Pulgiese (aka "The Fisher Doctor.") That is to install a thermister in line with the AC transformer.

Some other suggestions from Chuck, replace the selenium rectifier, if the receiver uses one. Also, the biasing of the amplifier section is important. The receiver has two shunt resistors. Either tweak these or install bias pots and then properly adjust the bias. Try to match the 12AX7's in the phono section as these are series filaments.



While we broke for refreshments, we were treated to a chance to listen to this classic receiver. Thanks to Chuck and Jack for a nice presentation.

While some of the presentation was going on, Chuck Azar took some time to troubleshoot the radio we plan to auction at the upcoming Kutztown meet. Through diligent troubleshooting, Chuck traced it to a bad 33 K resistor. Once this is replaced and the set is re-capped, we'll have a nice set to auction. Thanks Chuck.



This has been some meeting so far! Well, the auction was somewhat of the crowning jewel to a great evening. We had a few special items in the auction. We had a lot of five "eye" tubes in the auction. We also auction off five of the Radiotron tags we got from the auction. The tags brought in \$22.50.

We had a very special, anonymous donation for our auction. DVHRC wishes to extend a very special thanks to whoever donated this item. This item kept with our theme of classic Hi-Fi equipment. We were fortunate to be able to auction off a McIntosh C24 preamp. This beautiful piece of gear went home with Frank Johnson. The club netted \$350 from the sale. Again, the club is ever so grateful for this donation and to Frank his winning bid.

Well, I guess "that's all folks" for the March "madness" meeting. Please plan to join us for the April meeting. It will be at the same location, the Telford Community Center, on April 8th. See you there.

The items listed for auction are from the estate of a gentleman from Woodbury Heights, NJ who survived the Depression by repairing bicycles, old radios and doing occasional work as an electrician. He apparently never threw anything away.

While somewhat organized when it initially came into the possession of the DVHRC, we have spent the better part of the last two months sorting it all out, repackaging, and arranging the inventory into workable lots.

The bag and boxlots of parts are ideal for the hobbyist builder, or repair-person, while the paper and ephemera listings offer something for everyone. Most lots are more than generous in size.

RADIOS & PARTS:

- **BOXLOT** '20s radio parts incl. five interstage transformers, horn speaker parts
- **BOXLOT** early wirewound controls and rheostats
- **BOXLOT** early PM speaker, horn speaker parts
- 1930's car radio (Silvertone?)
- **BOXLOT** assorted transformers
- **BOXLOT** assorted meters
- **BOXLOT** assorted audio transformers
- small pin types
- General Radio Wave meter Type 358, w/box coils and chart. Good condition
- **(2) BAGLOT \$** assorted coils (small)
- **(14) BAGLOT \$** tube sockets: sorted by type, mostly NOS: '20s 4 pin, '30s 5 pin, octal, ceramic, 4 pin, 7 pin porc., 6 pin, miniature, loktal, etc.
- **BAGLOT** assorted knobs
- **BOXLOT** assorted coils (large)
- **BAGLOT** assorted diodes
- **BAGLOT** small toggle switches (NOS)
- **BAGLOT** assorted toggle switches, mostly NOS, over 100 pcs.
- **BAGLOT** assorted toggle switches, mostly NOS, plus bag of applicable nuts & washers
- **BAGLOT** assorted switches and pushbuttons
- **BAGLOT** assorted tube shields

- **BOXLOT** small wooden box of large rectangular capacitors, various values
- **BOXLOT** speakers, including early Eveready electrodynamic and Jensen Alnico in wooden baffle.
- **BOXLOT** small electric motors and NOS electric bells
- **BOXLOT** assorted can capacitors
- **BOXLOT** assorted NOS terminal strips
- **BOXLOT** test equip. probes & probe parts
- **BOXLOT** assorted '20s battery clamps
- **BOXLOT** soldering equipment, including large vintage electric iron, pencil type irons, replacement tips, stands, etc.
- **BOXLOT** Four radios including '60's GE and RCA clock radios, small deco Mirror Tone 4B7, late '30's RCA wooden AA5.
- **CONSOLE RADIO** early 30's Silvertone model 7132. 7 tube, airplane dial, good project set.
- **BOXLOT** '20s radio parts, incl. coils, jacks, transformers, variable caps
- **BOXLOT** variable caps, misc rubber and other parts
- **(2) BOXLOTS \$** multiple coils of assorted hookup wire.
- **BOXLOT** wire, assorted types and gauges
- **BOXLOT** wire, vintage NOS cloth covered hookup and other
- **BOXLOT** assorted electronic misc, including homebrew ammeter, Philco "Private Listening" control, speaker crossover network
- **BOXLOT** small coils, ferrite, antenna insulators, etc.
- **BOXLOT** large value power resistors
- **BOXLOT** vintage coils, coil forms
- **BAGLOT** assorted controls
- **(2) BAGLOT** assorted controls and switches
- **BAGLOT** assorted vintage (wirewound) controls + bonus hardware bag
- **BAGLOT** vintage ¼" phone jacks
- **BAGLOT** assorted jacks and plugs, RCA, test equipment types, etc.
- **BAGLOT** assorted jacks and plugs, most test equipment types
- **BAGLOT** assorted Jones plugs & jacks
- **BAGLOT** assorted microphone connectors

- **BAGLOT** amphenol connectors
- **BAGLOT** miscellaneous connectors
- **(2) BAGLOT** pilot lamps & sockets
- **BAGLOT** pilot lamps, miniature type
- **BOXLOT** vintage headphones, headphone and microphone parts
- **BOXLOT** transformers, relays, bakelite equipment panels & parts
- **BAGLOT** alligator clips, medium size NOS
- **BAGLOT** alligator clips
- **BAGLOT** vintage xmtr type caps
- **BAGLOT** assorted resistors, $\frac{1}{4}$, $\frac{1}{2}$, 1 watt
- **BAGLOT** capacitors, some mil spec, assorted common values
- **(2) BAGLOTS** capacitors, assorted values
- **BAGLOT** capacitors assorted micas
- **2 BIG BOXLOTS** Hardware bonanza! Each contains approx. twenty cans of assorted electronic miscellanea, plus nuts, bolts, washer, screws, rivets and more, far too time-consuming to properly sort.
- **2 BIG BOXLOTS** Mystery Electronic Bonanza, consisting of partial chassis, unfinished projects, what's it, this 'n that's and who-knows what else?

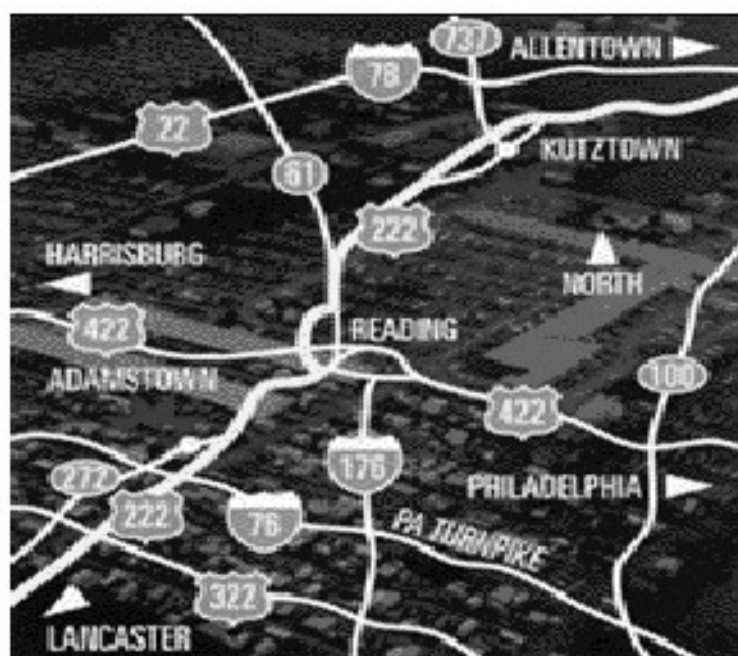
PAPER & EPHEMERA:

- *Technician Circuit Digest*, 2/54, 6/55
- *Heathkit GR2000 Color TV Assembly Manual*
- *RCA 158 Oscilloscope Op Manual*
- *KenRad Tube Characteristics* (date UNK)
- *Electronics Technician* 3/61, 10/61, 11/61, 4/62, 5/62, 12/62, 2/63, 5/63
- *RCA Engineer's Digest*, 1-2/57, 9-10/56, 11-12/56
- *Electronics Week*, 4/58
- *Military Electronics*, 10/57
- *Industrial Electronics*, 10/63
- *Electronic Manufacturing*, 9/58
- *Electronic Design*, 5/24/63 (Contains 11th Annual Transistor Data Chart)
- *RCA Receiving Tube Manual*, R19, 1959
- *RCA Transistor Manual*, SC11, 1964
- 1960's GE Tube Manual

- 1960's Westinghouse TV "Glas-Gard" scratch protection advertising sticker, NOS
- 1927 H&H Electrical Products "Memo-Log" NOS
- 1930's RCA Tube Dealer promotional material for "Anchors Aweigh" contest
- 1936 RCA "Pindex" Radiotron Dealer sliderule device
- RCA *Radio Age*, 4/47
- RCA Camden Plant airmail envelopes, NOS, lot of 3, pre-1962 (no zip code)
- RCA Camden Plant envelopes, 3 lots of 12, NOS, pre-1962 (no zip code)
- RCA Camden Plant envelopes, NOS, lot of 15, post-1962.
- RCA Suggestion Box form, unused with coupon attached. (Date UNK)
- RCA AFL/CIO Strike picket sign, 1939
- 3/65 RCA Engineering Self-Service Stockroom Catalog, Issue 6
- 1958 RCA "Employee Insurance Benefit Plan"
- *RCA Service Notes*, 11-12/53, 3-4/54, 1/59
- RCA Camden "Family News" 6/54, 3/58, 6/58, 7/78
- **BOXLOT** *Sams Photofact Reporter*, 15 issues, 1959-60
- **BOXLOT** *Popular Electronics*, 7 issues, 1966
- **BOXLOT** *Popular Electronics*, 11 issues, 1967
- **BOXLOT** *Popular Electronics* (2), 1968, and *Electronics Illustrated* (2), 1962
- 10/52 *Science & Mechanics*
- 9/43 *General Radio Experimenter*
- *Electronics*, 1/2/59, 1/16/59
- 11/48 *Electrical Engineering*
- *Electrical Design News*, 6/57, 11/57, 12/57, 7/58, 9/58
- 5/39 *Radio News*
- 6/63 *Industrial Electronics*
- 11/54 *Technician & Circuit Digest*
- *Esso Baseball Handbook*, 1939
- 1931 Baltimore Radio Catalog
- 1933 Baltimore Radio Catalog #80
- 1934 Baltimore Radio Catalog #55
- 1966 Newark Electronics Catalog
- 1928 Silver Marshall Catalog

- Spiegel Bros. Hardware & Tool Catalog #21 (1920's?)
- Spiegel Bros. Hardware & Tool Catalog #22 (1920's?)
- Spiegel Bros. Hardware & Tool Catalog #24 (1920's?)
- 1933 Baltimore Radio Corp. Bulletin
- 1940? Wholesale Merchandisers catalog
- 1937 Federated Purchasers mailer "Profit Builders for 1937"
- 1949 Lafayette Catalog #89
- 1946 Concord Radio Catalog #4-46
- 1936 Lafayette Catalog #59
- 1938 Wholesale Merchandisers Catalog
- 1938 Pep Boys Catalog
- 1939 Pep Boys Catalog
- Riders Perpetual Troubleshooters Manuals, Volumes 1-17.

Plus other paper lots to be added



TUBES

- Myers Tubular Audion, (Radio Audio Co., made in Canada)

Filament OK

- (Lot of 4) Deforest DVD, open filaments
- Deforest DVx (Possibly DV2), open filament
- Deforest DV3, tests OK
- Deforest DV3, tests OK
- Deforest DV3A, tests OK
- Deforest DV3A, tests OK
- Western Electric VT-1, tests OK
- Western Electric VT-1, filaments open
- Cunningham (GE) C-12, tipped, lime getter, tests OK
- WD-11, BBT, filament OK
- Westinghouse WD-11, BBT, lime getter, filament open
- **BOXLOT** Pre-WWII light bulbs
- **BOXLOT** Turgar rectifiers
- **BAGLOT** assorted large tubes, large and small pin types
- **(7) BAGLOTS** assorted miniature tubes
- **(2) BAGLOTS** assorted octal tubes
- **BOXLOT** assorted octal/loktal tubes
- **(14) BAGLOT \$** tube sockets: sorted by type, mostly NOS:
 - '20s 4 pin, 30s 5 pin, octal, ceramic, 4 pin, 7 pin port, 6 pin, miniature, loktal, etc

Plus other misc. tube lots to be added

DVHRC at Renningers

May 9 & 10, 2003

Friday setup, sell, camping

Saturday 7:00am open

Noon auction

Audio & Ham Welcome

(Non computer show)

Info 610-944-7230



VOX POPULI
(Translation: Voice of the People)

The latest in an ongoing series of articles, prepared with the input of the members of the Delaware Valley Historic Radio Club. At our March 11th meeting, we asked:

"What is your "every day" radio?" (If you don't really have one that you use on a daily basis, the item in your collection that you play most often).

HENRY MOHR: Hammarlund HQ-140

DAVE CHMIELEWSKI: Grundig-Majestic table top

JACK SPEERS: Home brew

CHARLES AZAR: Delphi Satellite Radio

FRED SAUL: My truck radio is on everyday...no radios in my collection are ever played

FRANK JOHNSON: Philco 20 console

ART LARKY: GE Superadio and my car radio

PETE GRAVE: Harris RF 590

JIM AMICI: R-390-A

CORBETT KLEIN: AM/FM Grundig 87

MIKE KOSTE: A '57 Bulova clock radio wakes me up, a '00 Henry Kloss Model 1 keeps me awake at work, and in my radio room, a Philco 37-650 tombstone

TONY MOLETTIERE: National 47

JONATHAN STRACK: Korting 1015 (AM/FM/SW/LW German table radio)

MARCO GIALLELA: Fisher 400

NED BORGER: Philco 38-116 AM/SW and Philco 48-1274 AM/SW/FM. (Both are very good fifteen tube models and I love to demo them to visitors)

BOB SEIWELL: Philco 38-117X chairside

JOHN MACERA: '94 Ford Explorer radio

RAY SCHEFTY: '39 Philco w/wireless remote control

DAVE IVARSON: RCA model 9Y7 AM & 45 rpm phono

DAN COLLINS: Midwest 16-35 console

TED SOWIRKA: A '63 solid-state RCA AM/FM, model unknown, tuned to KYW, that's been fastened to my kitchen wall for the past 34 years.

JEFF WEBER: (6am-8am) Saba Freiburg Telecommander stereo, (8-11 am) Saba Freiburg 400 table radio, (evening) Saba Trans-All portable

ABE DIEHL: Nordmende or Telefunken AM/FM/SW table radio

CHUCK DIGEORGIO: KLH 21 AM/FM and Fisher 400

TOM SPIEGLE: Philco 40-190

JUSTIN SHETLER: My grandparent's 1938 Zenith 9S262 w/shutter dial and 6T5 tuning eye

DAVE SNELLMAN: Collins R-388 (It's the only set that receives AM clearly when my computer is on!)

BILL OVERBECK: Luxman stereo receiver, or a Montgomery Wards multiband portable (made by Sanyo), or my Grundig Millennium

DON RECTOR: Kenwood R1000 or TS570DG

AL KLASE: My current living room set is a Hallicrafters SX-62A w/Altec 604 speaker.

JIRI PLACEK: Grundig 7000, Zenith R7000 Transoceanic

<http://www.radioswapmeet.com>



**Antique and Vintage
Electronics Market**

Come Join the Fun!

Browse the Tables
or Buy a Table
Listings are always **FREE!!!**

(215) 540-8055 FAX 540-8327
www.agtannenbaum.com

A.G. TANNENBAUM
ELECTRONIC SERVICE DATA & PARTS

Alice - WA2BTB
Mike - K2BN

P.O. BOX 386
AMBLER, PA 19002



OSCILLATOR

1649 Yellow Springs Rd.
Chester Springs, PA 19425

The Kutztown Radio Store

AT RENNINGER'S ANTIQUE MART KUTZTOWN, PA

Open Saturdays, 8:30-4

Sales and Repair
of antique radios



Buying old radios
and related parts

Bob- (610) 253-3261 bparvin@aol.com
Lewie- (610) 262-3255 lewallie@aol.com
Dale- (610) 262-1807 tubenet@webtv.net

THE KUTZTOWN RADIO STORE

AT RENNINGER'S ANTIQUE MART KUTZTOWN, PA

Open Saturdays, 8:30-4:00 P.M.

Complete Radio Cabinet Restoration and Refinishing
Minor Veneer Repairs Dials Replaced Metal Polishing
Grill Cloth Replacement Tables to Consoles

Est. on Site only 4-6 weeks delivery

Original Finish Restored When Salvageable

Lewie - 610-262-3255

Lewallie@aol.com