



# The Jersey Broadcaster

NEWSLETTER OF THE NEW JERSEY ANTIQUE RADIO CLUB

March 2003

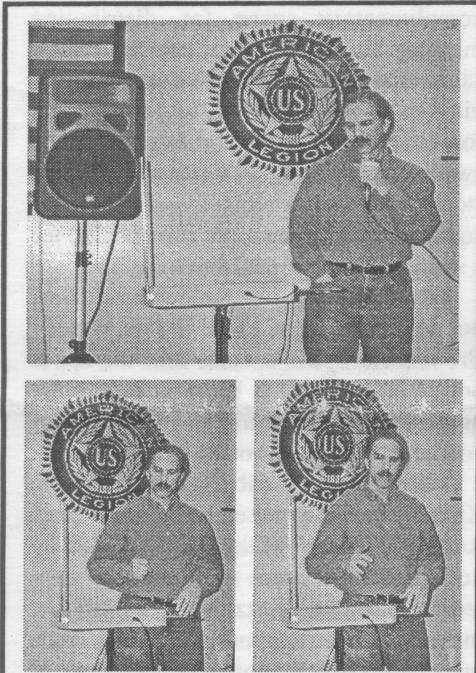
Volume 9 Issue 3



## MEETING/ ACTIVITY NOTES

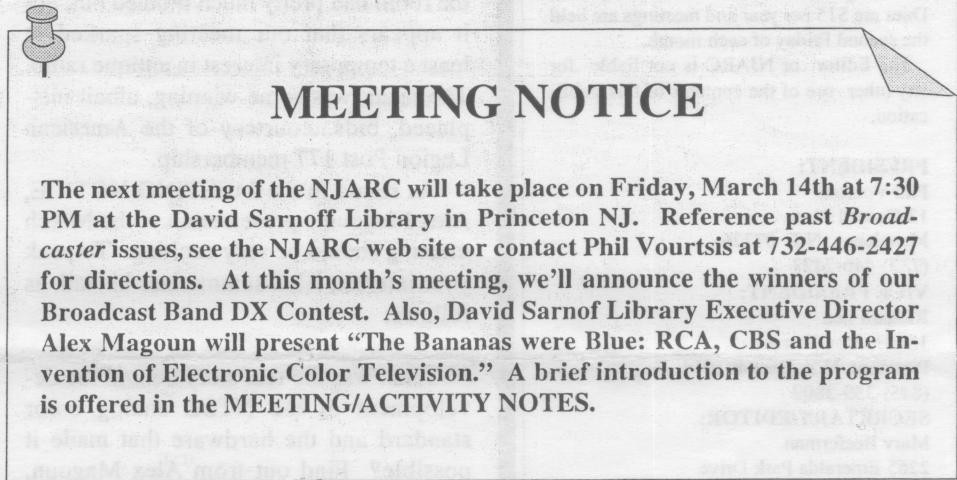
Reported by Marv Beeferman

Some consternation greeted the opening of our February meeting at American Legion Post 177. Because of renovations to the bar, the club shared its meeting with a temporary replacement. However, by making the best of what initially appeared to be an uncompromising situation, the result was as described by more than one member as one of our most interesting and entertaining meetings.



Scott Marshall's well-tempered Theremin

The majority of credit goes to Scott Marshall and his Theremin demonstration. Scott used a modern replica of the instrument (still available in kit form) to play some Theremin favorites and, ultimately, to



## MEETING NOTICE

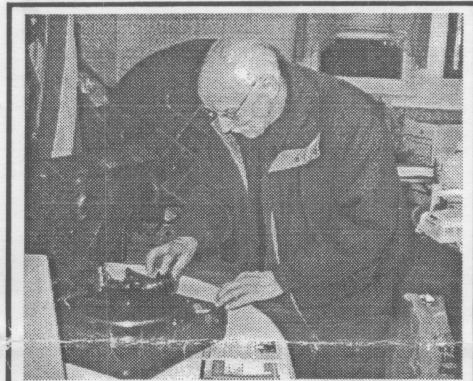
The next meeting of the NJARC will take place on Friday, March 14th at 7:30 PM at the David Sarnoff Library in Princeton NJ. Reference past *Broadcaster* issues, see the NJARC web site or contact Phil Vourtsis at 732-446-2427 for directions. At this month's meeting, we'll announce the winners of our Broadcast Band DX Contest. Also, David Sarnoff Library Executive Director Alex Magoun will present "The Bananas were Blue: RCA, CBS and the Invention of Electronic Color Television." A brief introduction to the program is offered in the MEETING/ACTIVITY NOTES.

soothe the savage beast of the bar crowd. Scott, an accomplished musician, noted that, rather than just moving one's hands in the air and making music (as RCA advertised in 1928 with its commercial introduction), the Theremin is very difficult to play and master. To play the instrument, the musician moves the right hand closer to or further from an antenna rod to vary frequency and the left hand closer to or further from an antenna loop to vary volume. However, the direction of movement is opposite to what a musician would intuitively use on a piano keyboard to get the same effect. In addition, a "vibrato" hand motion must be used to keep each note or phrase relatively "in tune" and colorful.

Scott also dispelled the notion that a Theremin was used in the Beach Boy's first million-selling single, "Good Vibrations." Actually, the "instrument" was a Heathkit signal generator where the "notes" for the song's eerie theme were marked as positions on the generator's frequency and amplitude dials. A good example of the use of an actual Theremin is in the sound track for one of my favorite movies, "Spellbound."

The demonstration was supplemented by a portion of a *History Channel* presentation documenting Leon Theremin's participation in the development of espionage devices (including the "Great Seal" listening device planted in Avril Harriman's office in the American embassy in Moscow). The documentary also speculated that

Theremin's USA tour in 1927 included an intelligence gathering mission for his native Russia. Scott's presentation was also aided by Ben Tongue playing, on a vintage phonograph, an RCA Orthophonic disc from the 1920s featuring a Theremin with piano accompaniment.



Ben Tongue plays an original 1920s Theremin recording on a phonograph of the same vintage.

The February meeting also included the formation of a permanent InfoAge steering committee consisting of Ray Chase, Richard Lee, Dave Snellman, Marv Beeferman, Steve Goulart and Phil Vourtsis. The committee will be meeting in March to schedule the agenda proposed in the February *Broadcaster*. With the worst of the weather behind us now, a major club priority will be to get the National Broadcaster's Hall of Fame up and running for a

**THE JERSEY BROADCASTER** is the newsletter of the New Jersey Antique Radio Club (NJARC) which is dedicated to preserving the history and enhancing the knowledge of radio and related disciplines. Dues are \$15 per year and meetings are held the second Friday of each month.

The Editor or NJARC is not liable for any other use of the contents of this publication.

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Summer opening.

Capping off the evening was a mini-auction of items that you couldn't live without but that your better-half could. By this time, our "spirited" friends across the room had pretty much thinned out, but it appears that our meeting sparked at least a temporary interest in antique radio. The result was some winning, albeit misplaced, bids...courtesy of the American Legion Post 177 membership.

As stated in the MEETING NOTICE, Alex Magoun's presentation at the March meeting should be very exciting. To peak your interest, Alex summarizes his talk as follows:

What was the real story behind the development of the NTSC analog color standard and the hardware that made it possible? Find out from Alex Magoun, executive director of the David Sarnoff Library, who explains the roles of CBS, the FCC, David Sarnoff, Hazeltine Labs and the remarkable staff at RCA Labs in Princeton between 1945 and 1954. His Powerpoint lecture explains the politics, business, and technology that made possible not only the images of events that will haunt us forever, but the drive and nostalgia of commercial broadcasting that we can't get out of our heads even if we wanted to.

As previously mentioned, our next swapmeet will be at the Hazelet Volunteer Fire House on Sunday, June 22nd. Because of a Saturday night commitment, vendors will be admitted at 7:30 while the hall is being cleaned and tables set up. Buyers will NOT be admitted before 8:30. Reservations will be solicited in the April issue of the *Broadcaster*.

The attic "cleanout" of noted AK collector and historian Ralph Williams will take place on May 17, 2003. No sales will be made prior to 8:30 AM and includes radios, parts and other equipment. The museum is located on 30675 Main Road in Orient, NY. The format of the sale, directions and other particulars will be provided in the April *Broadcaster*. Also close to home is the RHS Nye Auction (Part 2) on Sunday, March 30 at the Davidsonville Family Recreation Center in Davidsonville, MD. Directions and details may be found at [www.maarc.org](http://www.maarc.org). And don't forget the Hudson Valley An-

tiue Radio & Phono Society Annual Swap Meet on Saturday, May 3rd. The meet is at the Knights of Columbus Hall in Highland Falls (West Point) NY. Contact Richard Lee @ 845-359-3809 ([radiorich@prodigy.net](mailto:radiorich@prodigy.net)) for details.

The club received a very nice invitation from Mike Koste of the Delaware Valley Historic Radio Club (DVHRC) regarding the upcoming Kutztown swapmeet and auction beginning May 14th. The DVHRC and NJARC have the unofficial title of "sister" clubs based on the dual membership of many area collectors and support of each other's events. This meet has been steadily expanding and Mike expects some 100 vendor tables being occupied this year (not counting tailgate spaces). Mike noted that "as a 'host' club, this is NOT a Delaware Valley event: It's a fellowship for all hobbyists, no matter what membership card they carry. DVHRC has no financial interest in the Kutztown meets, other than benefiting from the auction."

To encourage greater participation, Mike has graciously offered the NJARC a complimentary space for distributing membership information, tube and book sales, or whatever. We have also been invited to join the DVHRC on Friday night for dinner in the food court adjacent to the swapmeet pavilion. The cost of \$10 for a steak dinner and accompanying beverages sounds very inviting. We'll be asking for a show of hands at the March meeting.

Estate offerings for the Saturday afternoon auction are provided in this month's *Broadcaster*. Mike notes that the list is not complete and Al Klase is still in the process of inventorying a large cache of collectable tubes and other glassware.

All previous feedback regarding the Kutztown meet has been positive, and as a former "attendee" of the flea market many years ago, a very nice weekend is guaranteed. Remember, Kutztown is a huge flea market area offering not only radio items but a large cross section of collectibles.. If you are hesitant about making the trip, think about car pooling with other NJARC members...hope to see you there.

**FINAL CALL  
FOR  
2003 DUES**

## SARNOFF LIBRARY HOSTS MARCH REPAIR CLINIC

By Marv Beeferman

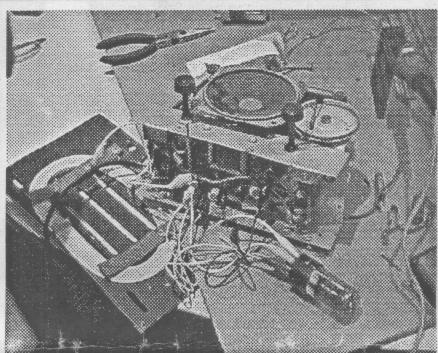
At the invitation of Alex Magoun, Executive Director of the Sarnoff Library, the first NJARC radio repair clinic for 2003 was held on March 1st. The library's auditorium provided a very comfortable setting for what in the past were very cramped quarters, with ample table space and electric receptacles for all comers.

As usual, a diverse cross-section of makes and models made their appearance. Walt Heskes was very active in reviving two Zenith table radios, one needing filter capacitor changeout and the other needing tube replacement and dial restringing. A Motorola 77XM was also brought back to life after replacement of its slug tuning assembly. Nevell Greenough gave Jerry Dowgin a hand in "re-engineering" his Atwater Kent Model 10 power supply and located a shorted 270 pf I.F. output capacitor as the weak link in an RCA 630. Tom Provost worked on an RCA 98C Voltohmist and Richard Lee revived an Echophone EC1A. Sal Brisindi teamed with Scott Marshall on solving the contrast problem on a 1948 RCA 8TS30 TV (a shorted I.F. mica capacitor) and provided the setup for printing Rider schematics. Your editor teamed with Rick Weingarten in re-capping an Emerson record player. Members also lending a hand were Bob Sakson, Gary D'Amico, Phil Vourtsis, Marty Friedman, Steve Goulart and Al Klase, among others.

John Ruccolo worked a little magic while repairing a 5-tube, 1946 "Monitor" AM radio for Tom Lee, one of our new members. When this all-loctal tube set was first turned on, nothing happened. John soon discovered that the 35Y4 had an open filament. With none available from our tube program stock, John referenced Steve Goulart's RCA Triple Pindex manual and came up with the tube's pinouts. Using clip leads and a 35Z4 as a temporary substitute, he was able to successfully test the set.

John explained that the 35Y4 is the loctal version of the enormously popular 35Z5

octal. The lesser-known 35Z4 is the same as the 35Z5 (which were also not available), but without the pilot light tap. John said that the same "trick" could have also been accomplished using a 35W4 miniature 7-pin rectifier.



It's amazing what can be done with enough jumpers.

See page 4 for a repair clinic photo gallery.

As an aside on tube replacements, John commented on using a 1629 in place of the more common 6E5 and 6G5/6U5 that was described in the February *Broadcaster*. "People always seem to forget that the 1629 has an octal base, while the classic eye tubes are six "big pin" based tubes. It's not that big of a deal to convert, but it is another obstacle to consider."

## BALLAST TUBE PRIMER

By Nick Senker

*Nick's recent experiences with ballast tubes prompted a Reflector inquiry if there was any interest in them. Dave Sica responded that there probably was and suggested the following write-up. Nick is a new member of the NJARC and it is a pleasure to see that his interest in our hobby extends beyond the borders of his individual experiences to something that he could share with all the members. At present, my "future article" file for the Broadcaster is overflowing with promises of things to come. Unfortunately, promises are very hard to publish. Of some 205 members, one would think that*

*at least one submittal a month might be expected. Alas, the beat goes on. Thanks Nick!*

I recently encountered a ballast tube in an old RCA AC-DC table radio which was used to compensate for the inadequate filament voltage drop of the other tubes connected in series. An old RCA tube manual (1954) made no mention of them and I was happy to find a description in an old Popular Science publication "How to Build Your Own Radio and Hi-Fi Sets" by William Wellman, 1954.

It states that both octal and 4-pin types were used as ballast tubes and although only a few pins are used, you may well encounter other components connected to the unused pins. These may be used as convenient tie points and may have nothing to do with the filament circuit. The few tubes I have encountered have been metal types, although glass types do exist.

Ballast tubes are designated by a combination of numbers and letters. For example, in a K49B tube, 'K' refers to the type of pilot light used which draws 150 milliamps. An 'L' would designate a 250 ma pilot lamp and an 'M' indicates 200ma. The numbers on the tube refer to the voltage drop across the tube; for K49B, this would be 49 volts. The resistance for the above tube would be about 163 ohms.

The final letter 'B' on the K49B tube denotes the base pin connections. The two tube types mentioned in the PopSci article are 'A' and 'B' which have the following configurations:

### TYPE A

(4,7 ~~xxxxxx~~ 3,(1)

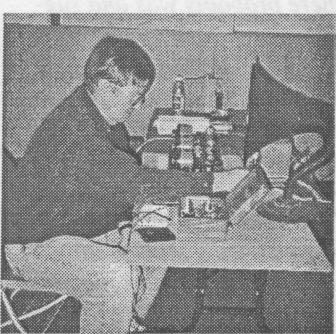
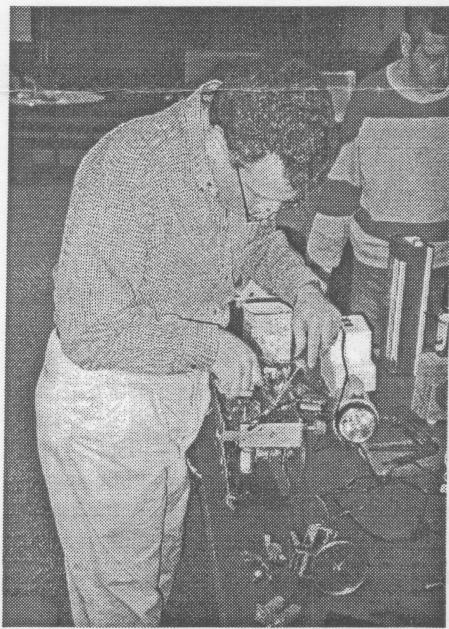
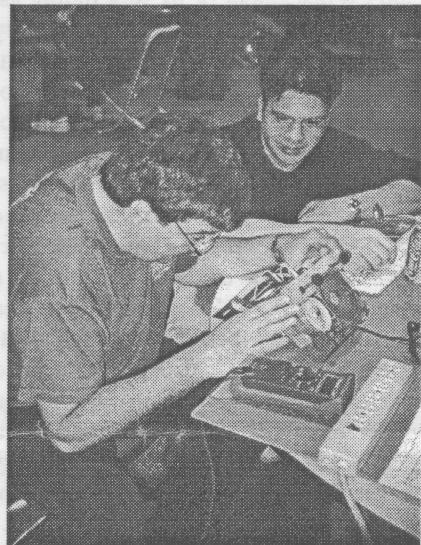
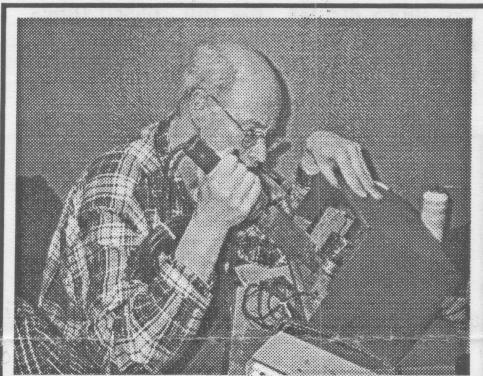
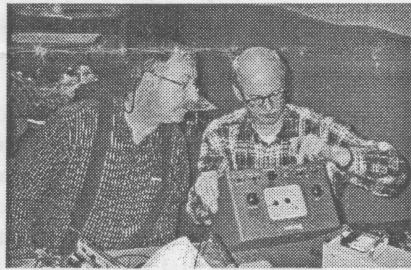
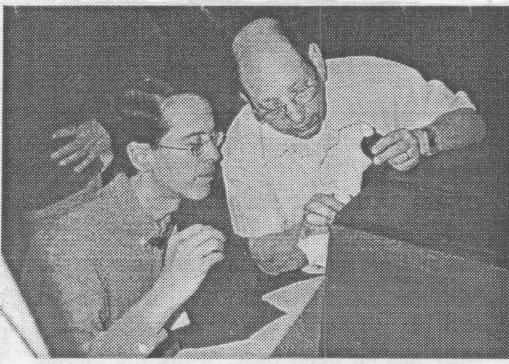
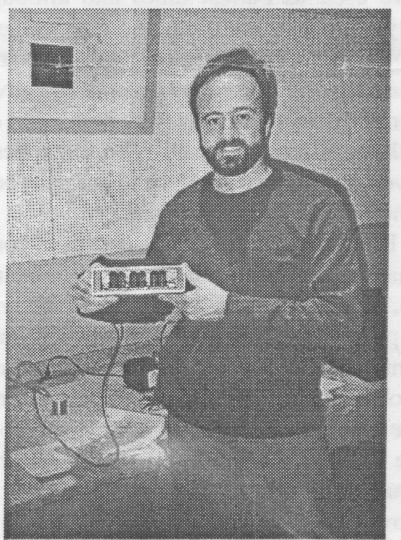
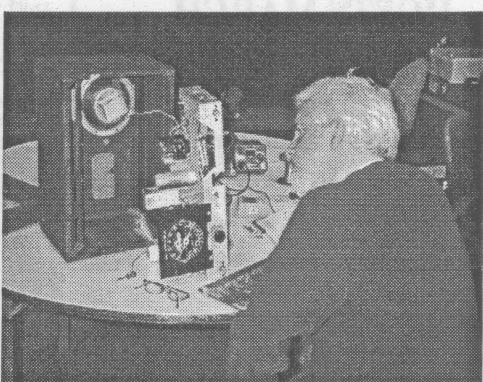
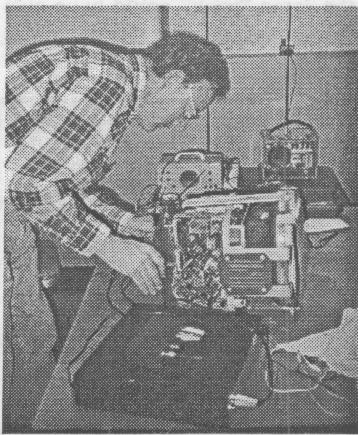
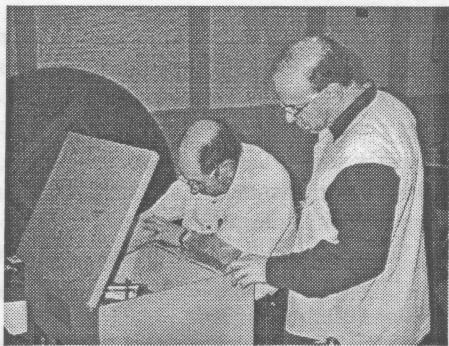
### TYPE B

(4,7 ~~xxxxx~~ 8,(3) ~~xxxxxx~~ 3,(1)

The bold numbers are pin connections for octal tubes, while the numbers in parenthesis are for 4 pin types. For example, an eight pin type A tube has a resistor across pins 7 and 3 (not 7 and 2 as one would expect for a filament). For a type 'A', 4-pin tube the resistor would be across pins 4 and 1. In a type 'B' tube, the resistor is tapped at pin 8 for octal tubes and at pin 3 for 4-pin tubes.

*Continued on page 7*

## REPAIR CLINIC GALLERY



Yeah, we know its digital. This story will have to wait until next month

It's very important to use the right tools...as Richard Lee demonstrates.

## KUTZTOWN AUCTION

*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 posession of the DVHRC, we have spent the better part of the last two months sorting it all out, repacking, 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
- **BAGLOT** assorted large tubes, large and small pin types
- (7) **BAGLOTS** assorted miniature tubes
- (2) **BAGLOTS** assorted octal tubes
- **BOXLOT** assorted octal/lokta tubes
- **BOXLOT** assorted Compactron tubes
- (2) **BAGLOTS** assorted coils (small)
- (14) **BAGLOTS** tube sockets: sorted by type, mostly NOS: '20s 4 pin, 30s 5 pin, octal, ceramic, 4 pin, 7 pin porc., 6 pin, minature, lokta, 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 ameter, 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 1/4" 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, whatsits, 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 11<sup>th</sup> 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

## KUTZTOWN AUCTION (CONTINUED)

- 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.

### BALLAST TUBE PRIMER...continued

So, if you encounter a ballast tube it can be simply tested with an ohm-meter. They tend to get very hot so if they are cold, they are not working (assuming the rest of the filament circuit is OK). Knowing the voltage drop listed on the tube and the filament currents of the other tubes (from a tube manual), one can calculate the value of a replacement ceramic or other power resistor needed. In the above example, a voltage drop of 49V divided by the filament current (0.3 amp) equals a resistance of 163 ohms from  $E/I = R$ . The replacement resistor can be simply hard wired to the appropriate pins and the ballast tube removed (or left in place as a "dummy").

(For additional information on ballast tube substitutes, see the October, 2001 edition of the Broadcaster...Ed).

This article was based on information from the March 2003 issue of "Nuts & Volts" magazine and the manufacturer's website ([www.sennheiserusa.com](http://www.sennheiserusa.com))...Ed

Described as falling into the category of "sexy products for people who have too much money" is Sennheiser's Orpheus headphone system. This hand-made wonder combines a vacuum tube amplifier (what else?) with electrostatic headphones and features a 1  $\mu$ m, gold-plated diaphragm, an on-board dedicated bitstream digital-to-analog converter and electrodes made from a "special glass." The result is what the manufacturer describes as "the undeniable apex of headphone systems and reference sound reproduction (where) true miracles of sound engineering take you on a musical journey of discovery, featuring high fidelity dynamic sound quality and tremendous comfort."

Specifications for the headphone section include distortion of <0.01 percent,

nominal sensitivity >=98 dB at 1kHz, and frequency response from 7 to 100,000 Hz (-10 dB). The latter seems like a bit of overkill, considering that the human ear is most sensitive in the band from about 2,000 to 5,000 Hz and probably can't detect much over 20,000 Hz. However, one consideration is putting the headphones on your dog; he should really appreciate the high frequencies.

But let's face it. The main goal in buying the Orpheus is probably not a more realistic rendering of Charlotte Church's latest CD. It is to impress your friends with a satin-lined, hardwood storage box, a gaudy wood-and-chrome amplifier with tubes aglow and a list price of \$14,900! But don't hurry to your computer to purchase one of these beauties...they're not available on-line and must be purchased through a Sennheiser dealer. Perhaps a personal security officer is provided to safely carry it to your car.

## Hudson Valley Antique Radio & Phono Society Annual Swap Meet

**Saturday, May 3rd, 2003**

**Knights of Columbus Hall  
Highland Falls, [West Point], N.Y.**

Rt. 9W to Rt. 218 Main St. Make left turn behind the Park Restaurant into the K of C lot.

**Time: 7 AM setup • 8 AM to 12:30 open  
Cost: \$20 per table**

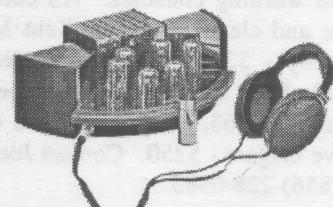
**For info and table reservations call:**

**Art Kingsley at (845) 446-4091**

**Richard Lee at (845)359-3809 or**

**E-mail: [radiorich@prodigy.net](mailto:radiorich@prodigy.net)**

## ANOTHER TUBE-BASED PRODUCT FOR THE "SERIOUS" AUDIOPHILE



**CONNECTIONS**

Free exposure for buyers and sellers! Unless requested otherwise, each ad will run for two months in both the *Jersey Broadcaster* and the *Delaware Valley Oscillator*. All buying and selling transactions are the responsibility of the parties involved.

**FOR SALE**

Check out NJARC's capacitor program for those most commonly needed replacements. Contact John Ruccolo at any club meeting or call him at home (609)-426-4568 to find out what's available. All proceeds go to the club.

Nice working consoles. All cabinets are nice and clean! Atwater Kent Model 74 lowboy - \$200. Grunow model 1151 - \$200. RCA 810-K (good eye tube) - \$225. Zenith 8S-463, black dial, good eye tube, wave magnet - \$250. Contact Joe Murphy at (856)-228-0585

The NJARC tube program offers clean, tested, boxed tubes at very reasonable prices with availability at any club meeting (no dealers, please...not for resale). Proceeds go to the club. Of course, donations of radio-type tubes in any condition are welcome. See Gary D'Amico at the next meeting.

Scott 1938 Philharmonic receiver (factory rebuilt in 1946). 12" speaker in custom wood case. Main tuner has 22-23 tubes w/dial & 6 knobs and escutcheons. Power amplifier has 6 tubes. Components NOT in a cabinet. Chrome in good condition including tube covers. Asking \$500, pick up only. Located in western Suffolk Co., LI, NY., [pwindesh@suffolk.lib.ny.us](mailto:pwindesh@suffolk.lib.ny.us)

Seven complete volumes (volumes 2 to volume 8) of the *Jersey Broadcaster*...except issue 12 (in Vol 2) and issue 11 (in Vol 5) which are missing. Includes misc. issues of Vol 1, issue 1 and issue 3. Also includes 6 issues of *New Jersey Antique Radio Club News*, Vol 1, #2 and #4/Vol 2, #1 and #2/Vol 3, #1 and Vol 4, #1. Best offer (by April 30) over \$20.00. Contact Harry Kundrat at (908)-665-1873.

Crosley "Playtime" grandfather clock radio (without chassis); original clock and speaker - \$150. Philco 39-116 chassis, clean, needs grill cloth, with remote control - \$175. Howard W. Herring, Ringoes NJ, 08551, 908-782-5530.

Two large bass reflex type speaker systems, circa 1960s, good condition with high quality speakers: 12" woofers, 8" midrange, horn tweeters - \$10 each system. Nick Senker, Hillsborough, NJ. (908)-874-3611, [n.senker@worldnet.att.net](mailto:n.senker@worldnet.att.net)

RCA Victor console, model V205 (1941) radio/phono, Premier tabletop wood model, 4283 radio/phono. Joan, 732-521-1963.

**WANTED**

EICO 324 signal generator and RF probe. Tony Galella, (201)-823-0116, [tgalella@att.net](mailto:tgalella@att.net).

**2003 DUES (LAST CALL)**

Early payment of 2003 dues saves your club money and administrative time. Your mailing label reflects payment as of March 8th with a "1/04" code. If you have paid since then, thank you and the date will be updated next month. If not, a "1/03" code indicates payment due (an "H" code designates an honorary member with no payment due).

Please send a check for \$20.00 (or pay at the next meeting) to:

**Marsha Simkin  
33 Lakeland Drive  
Barnegat, NJ 08005**

Your cooperation is appreciated!