



# The Jersey Broadcaster

NEWSLETTER OF THE NEW JERSEY ANTIQUE RADIO CLUB

March 2011

Volume 17 Issue 3



Reported by  
Marv Beeferman

## The ON-LINE Broadcaster

The New Jersey Broadcaster is now on-line. To date, over 100 of your fellow NJARC members have subscribed, saving the club nearly \$2000 a year and a significant amount of work. Interested? To subscribe, send your e-mail address to [mbeeferman@verizon.net](mailto:mbeeferman@verizon.net). Be sure to include your full name.

The last two months were very active for the club. The BCB DX Contest results are in and can be found in this month's *Broadcaster*. Photos of some of the rigs that members used are included in addition to Show & Tell photos from the March meeting

Our repair clinic, held in the dining room of the Marconi Hotel at InfoAge, resulted in a good turnout. For your editor, the son of friends who lived next door to my parents in Florida many years ago greeted me with "are you the son of Lottie Beeferman (my mother)"...with a unique last name, it's hard not to locate us. Small world! He showed up with a Jewel Model 921 "Artone" and a replaced power supply electrolytic brought it back to life. You can see a photo of the owner (last one on page 3) working on his radio in this month's *Broadcaster*.

We received some nice comments from some appreciative customers:

"I wanted to send out a thank you to the club clinic and to everyone that helped me get my Emerson Model 45 finally going after 12 years. I can't believe how great it plays." - Victor Bellini



## MEETING NOTICE

The next NJARC meeting will take place on Friday, March 11th, at 7:30 PM at InfoAge. Directions may be found at the club's website (<http://www.njarc.org>). The agenda includes awards to the winners of this year's Broadcast Band DX contest. We'll also be conducting an auction of some very nice items and box lots from the Klinker estate and perhaps some additional donated items. A list can be found at our web site and will also be posted on the NJARC Reflector.

"I would like to thank you for looking at my Zenith transoceanic R7000-2 and Peter who worked on the radio." - Sandy Somers

"I want to say thank you for the repair clinic and especially Peter for spending quite a bit of time to diagnose my Telefunken radio's dead power transformer." - Peter Boser

membership for \$200.

Please **DO NOT** send renewal checks to the *Broadcaster* editor, Marv Beeferman. Dues will be collected at our monthly meetings, swapmeets or other club gatherings or you may send a check, made out to "NJARC," to our membership secretary at the following address:

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

Also, there is now a PayPal link at our web site.

If we do not receive your renewal by March 31st, you will be dropped from the club's roles; this policy will be strictly enforced!

## Upcoming Events

March 11th: NJARC monthly meeting at InfoAge; DX Contest awards, Klinker auction

April 1st: NJARC monthly meeting at InfoAge \*\*

April 9th: Spring swapmeet, Parsippany

May 14th-15th: Vintage Computer Fest at InfoAge

May 13th: NJARC monthly meeting at InfoAge

June 10th: NJARC monthly meeting at Princeton

July 23rd (tentative): Tailgate swapmeet at InfoAge.

**\*\*NOTE:** Next month's club meeting will be held on April 1st to avoid a conflict with our Spring swapmeet.



**Changing of the guard: John Rucolo passes on the club's capacitor program duties to John Tyminski. Thanks John for a job well done.**

## LAST CALL FOR DUES

For those receiving their *Broadcaster* by mail the code to the right of your name tells the story. Those with designators of "1/12" (or higher), "H" (honorary) and "L" (lifetime) need not do anything. All those with a "1/11" expiration date may renew for a \$20 payment or \$25 to continue or begin a family ("F") membership. You also might want to consider a lifetime

**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 \$20 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.

**PRESIDENT:**  
Richard Lee  
(914)-589-3751

**VICE PRESIDENT:**  
Harry Klancer  
(732)-238- 1083

**SECRETARY/EDITOR:**  
Marv Beeferman  
(609)-693-9430

**TREASURER:**  
Sal Brisindi  
(732)-308-1748

**SERGEANT-AT-ARMS (WEST):**  
Darren Hoffman  
(732)-928-0594

**SERGEANT-AT-ARMS (EAST):**  
Rick Weingarten  
(732 )-370-8206

**TRUSTEES:**  
Ray Chase (908)-757-9741  
Phil Vourtsis (732)-446-2427  
Walt Heskes (732)-205-9143

**TECHNICAL COORDINATOR:**  
Al Klase  
(908)-782-4829

**TUBE PROGRAM:**  
Gary D'Amico  
(732)-271-0421

**SCHEMATIC PROGRAM:**  
Aaron Hunter  
(609)-267-3065

**CAPACITOR PROGRAM:**  
John Tyminski  
(609)-259-2627

**RESISTOR PROGRAM:**  
Walt Heskes  
(732)-205-9143

**WEB COORDINATOR:**  
Dave Sica  
(732)-382-0618  
<http://www.njarc.org>

**MEMBERSHIP SECRETARY:**  
Marsha Simkin  
33 Lakeland Drive  
Barnegat, N.J. 08005  
(609)-660-8160

## JIM TROE PASSES

By  
Marv Beeferman

Although some in the antique radio community were notified immediately, it wasn't until last month that your editor had been informed that NJARC member James Troe had passed away on December 23, 2010 after a short illness following a fall in early December. Our sympathies go out to his family and wife of 62 years, Mary Troe.

Jim was born in Bloomfield IA and entered Iowa State University to study electrical engineering. His education was interrupted by a call to serve in the U.S. Navy during World War II as an electronics instructor. He graduated from Iowa State in 1948 and began a long career with Bell Telephone Laboratories in New Jersey. His work took him all over the world, including a family move to the Marshall Islands for three years. His work focused on projects related to radar systems and cellular technology.

Jim was a major contributor to the development and testing of AMPS, the first cellular mobile phone system in the U.S. In the late 70's, AT&T organized what was termed "the Chicago Service Trial" to demonstrate real mobile service in a startup configuration using actual production equipment and several thousand subscribers. (A second cellular test was also established in Newark to simulate operation in a few, one-mile cells, surrounded by interfering cells several miles away.) Jim had the responsibility of leading the large team that installed the equipment and facilities for AT&T's Chicago trial. The system used 10 cells to cover 3000 square miles with a switching center at Oak Park and an operations center at Elmhurst where cell phones manufactured by Motorola, E. F. Johnson and OKI were installed in vehicles and tested. Many years later, Jim donated one of these first cell phones (in addition to a transistor radio developed at Bell Labs) to the AWA (Antique Wireless Association) museum.

Upon retirement from Bell Labs, Jim

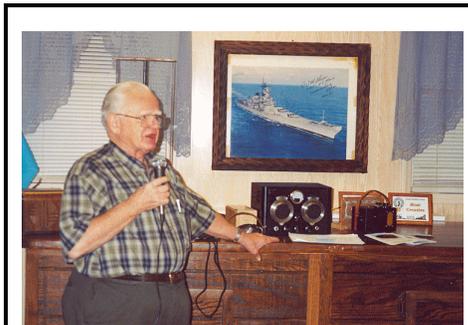
continued to contribute to the development of cellular technology in several firms until his final retirement in 1997.

In addition to establishing a collection of several hundred antique radios and participating as an active AWA Board member, Jim had many other interests he pursued throughout his life that were "fueled by his curiosity about how things worked and his love of learning. A boy scout himself, he was active in his sons' scout troops and started a troop for Marshallese boys. He loved to build, and especially enjoyed woodworking. He brought his engineering mind to every problem, whether repairing equipment or building an organization."

Jim was an active member of the NJARC and contributed some significant material to the club. Member John Rucolo tells about many pleasant conversations he had with Jim at our meetings and Kutztown meets sponsored by the DVHRS:

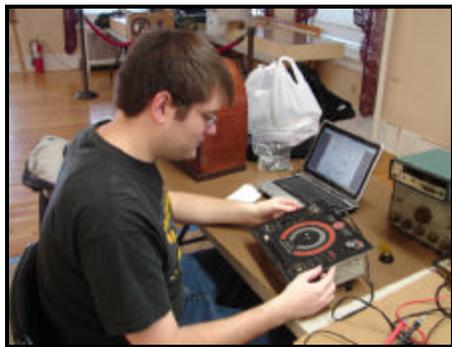
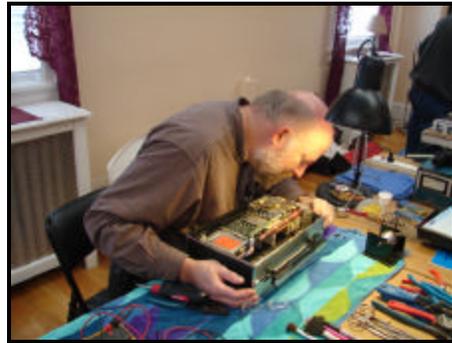
"One time I was at Kutztown, and Jim had a bunch of stuff for sale. Among the items was one of those classic, little red GC Electronics (formerly General Cement) pin straighteners for 7 and 9pin miniature tubes. I picked it up and Jim said 'Oh, you can have that.' I said, 'Here, buy yourself a cup of coffee' and I handed him a buck."

"The following year I'm back at Kutztown and Jim has more stuff for sale. I'm looking it over and find another red GC pin straightener. I show it to him and he says the same thing...'Oh, you can have that.' And again, I say, 'Here, buy yourself a cup of coffee' and hand him a buck. Same seller, same item, same conversation...one year apart. How about that?"



**Jim describes his winning homebrew contest entry at our November, 2002 meeting at the East Brunswick American Legion Hall.**

REPAIR CLINIC



# MY FUNNY VALENTINE

As told by  
John Dilks

For several years, I would get an occasional call from a lady in an adjacent town who had a 1933 Colonial Globe radio. This radio has a distinguished pedigree - its cabinet was designed by Raymond Loewy, the famous creator of designs for everything from locomotives to electric shavers. (For the original design patent, dated June 24, 1933, see <http://www.raymondloewy.com/about/bio.html>).

Each time after she picked my brain, she would tell me that she would call me back. This happened several times over the years, and the last call from her was a couple of years ago.

On February 10th, she called and offered me a reasonable price. When I got there, the price had risen, but I anticipated that and took a little extra. Long story short, I got it...it's the brown Bakelite version with the case in great condition.

Considering the upcoming date and the fact that my wife Sherry liked it, I wondered if I could get away with giving it to her for Valentine's Day? After pondering the decision for a few seconds, I decided "nope, not going to try that one!"

# CRANFORD LIBRARY EXHIBIT

In last month's *Broadcaster*, we reported on a radio exhibit at the Cranford Public Library that was sponsored and organized by NJARC member Ray Chase. In conjunction with the exhibit, a program titled "The Golden Age of Radio" was presented in the Cranford Community Center next door to the library. The photos below document the attention to detail and professionalism that went into the exhibit.



SHOW & TELL



Al Klase describes his PRC-74, single sideband, solid state radio-transmitter. Of mid 60s (Vietnam) vintage, it was the first synthesized, high frequency (2-12 MHz) backpack radio.



Your editor showed a Dictogrand Radio loudspeaker. An attached tag warned not to use the "instrument" until "it assumed a good temperature."



Aaron Hunter built his first radio in 1954 as a cub scout and still had the parts. His son tried to rebuild it but couldn't get it to work; an equivalent was found later. His second radio was a "rocket" of 60s vintage.



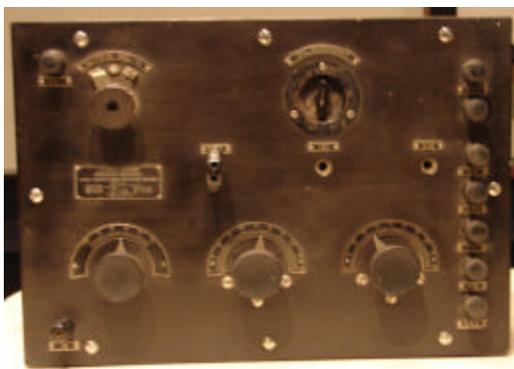
John Ruccolo used Valentine's Day as the theme for discussing his selection of red and pink clock radios. One radio had stations WNEW, WCBS, WSNJ, WHLW, WDOV, WHN and WMID penciled on the dial by the former owner.



Phil Vourtsis revealed a 45 record player disguised as a cookie jar (or was that the other way around?) A Philco replica divided in front of our eyes as a precursor to the stereo craze...Phil will use them as bookends. To the left is a miniature AMI Continental jukebox, all that's left when the original was removed from Phil's 15-year safekeeping by his brother.



Rich Skoba talked about a National Panasonic radio with a 70-90 MHz FM band that wouldn't pick up U.S. stations; it seems to have been made for the Japanese market. Also shown was a Japanese key with markings translating to the 4th month of April, 1939.



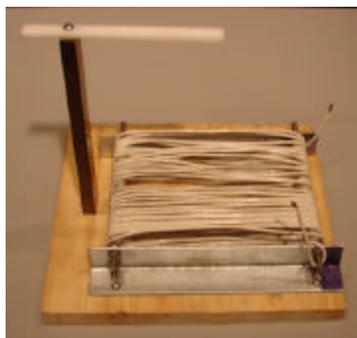
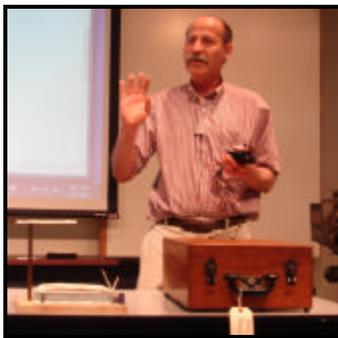
An early Western Electric 2B receiver was shown by Ray Chase. It uses three WE 215A peanut tubes as a detector and two audio amplifiers. The radio is not shown in *Radio Manufacturers of the 1920's* (Douglas) nor could Ray find any information on the internet. The model 2A is well-documented; any takers on researching the 2B?



John Tyminski had been looking for a CRT tester like this Precision CR-30 for a long time. Later ones only test for emission and can't handle both electrostatic and electromagnetic tubes. This one belonged to his great grandfather and had all its original paperwork, including notes in his own handwriting. A successful search for a blown transformer and capacitor replacement brought it back to life.



John Calandra thinks that this Kutztown find might be a portable Musak demonstrator. It attracted him since it has the same amplifier as his AMI jukebox. Originally set to play 33 RPM records, Steve has modified it to play 45's.



Professor Mike Littman showed a replica galvanometer to introduce a discussion of Joseph Henry who was a professor at Princeton from 1832 to 1846. The original, displayed at the college, was used in Henry's first unpublished transformer experiments (mutual inductance) as documented by his wife. (Faraday was the first to publish his results on the subject). Professor Mike pointed out the tripod leveling feet which were built into the instrument (most designs of the era used external mounts for leveling). Also displayed was the same type of rocket engine used in the Bell X-1, the first aircraft to exceed the speed of sound in controlled, level flight. It burned ethyl alcohol diluted with water and liquid oxygen and developed 6000 pounds of thrust.



**2011 NJARC DX Contest Results**  
**(Winner in Bold, MDS = Most Distant Station)**

**Category A - Crystal Radios**

No entries

**Category B - Primitive tube receivers- 1 or 2 tube**

**Pete Olin:** 2,272 pts., Grebe CR-8 (1921) 2 tube, 60' sloping wire, MDS 1530 kHz WCKY, Cincinnati, OH 550 mi.

**Category C - 1920's Battery sets**

**Marv Beeferman:** 6,234 pts., Crosley Trirdyne Regular (3-R-3) 3 tube TRF, 50 ft. wire and adjustable loop, MDS 650 kHz WSM Nashville, TN 736 mi.

**Category D - Tube radios for home entertainment**

**David Snellman:** 10,926 pts., Zenith Transoceanic L600, (1954) Internal loop and Totustuner 26" loop, MDS 750 kHz YVKS Caracas, VE 2,097 mi.

Rich Mueller: 10,375 pts., Zenith 6G-601 portable (1941), wavemagnet ant. MDS 1520 kHz KOKC Oklahoma City, OK 1309 mi.

Phil Vourtsis: 7,836 pts., Philco 37-640, 20 ft. wire MDS 1040 kHz WHO Des Moines, IA 971 mi.

Joseph Serafin: 7,910 pts., RCA model 7-BX-8L, built in loop, MDS 790 kHz Radio Reloj, Cuba 1279 mi.

Marv Beeferman: 7,351 pts., GE 5 tube superhet, 50ft.wire and adjustable loop, MDS 1040 kHz WHO Des Moines, IA 1014 mi.

John Tyminski: 6,460 pts., Zenith 16A61 with loop antenna, MDS 650 WSM Nashville, TN 736 mi.

Doug Poray: 4,901 pts., GE model G53, unknown ant. type, MDS 780 kHz WBBM Chicago, IL 709 mi.

**Category E-Amateur, commercial and military tube type radios**

**Al Klase:** 9,047 pts. Collins R-390 with Skywaves shielded loop, MDS 600 kHz CMKA San German, CU 1347 mi.

Gary Damico: 8,502 pts. Hammarlund HQ140X with ferrite loop, MDS 570 CMDC Radio Reloj, CU 1279 mi.

**Category F-Transistor radio before 1970**

**David Snellman:** 11,927 pts. Sony CFR-230 Portable AC powered (1968) with internal loop and Totustuner 26" loop, MDS 750 kHz YVKS Caracas,VE 2,097 mi.

**Category G-Light weight- any radio weighing less than 1 pound**

**Al Klase:** 9,047 pts. Sony SW-100 with internal loop, MDS 600 kHz CMKA San German, CU 1,347 mi.

Compiled by Tom Provost

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. **Send your ad to [mbeeferman@verizon.net](mailto:mbeeferman@verizon.net)**

Are you aware that NJARC now has a resistor program which includes many commonly needed replacements? Contact Walt Heskes at any club meeting for details.

Check out NJARC's capacitor program for those most commonly needed replacements. Contact John Tyminski at any club meeting or call him at home (609)-947-9071 to find out what's available. All proceeds go to the club.

FOR SALE

Novus Polish No. 2 in 8 oz. bottles. \$7 each or \$13 for two.  
Riders volumes 1, 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 20, 21 \$60 takes them all (or will trade)  
Restored RCA 45 record changers; all makes and models; inquire for availability and pricing.  
John Tyminski, 609-947-9071, tubeular Electronics@gmail.com

WANTED

Services offered: I restore 45 RPM record changers, all makes and models. \$95 for RCA 45-J-2, \$125 for 45-EY-2, \$135 for 45-EY-3 & 45-EY-4. Price includes a full changer & amplifier rebuild plus cabinet cleaning and detailing. One year warranty on all replacement parts and work. Inquire for pricing on other models.  
John Tyminski, 609-947-9071, tubeular Electronics@gmail.com

RCA 45 RPM record changers. I will buy all amplified models in good, original condition.  
John Tyminski, 609-947-9071, tubeular Electronics@gmail.com

SOME DX CONTEST ENTRIES



Gary Damico: Hammarlund HQ-140X



Rich Mueller: Zenith 6G-601



Dave Snellman: Sony CRF-230



Phil Vourtsis: Philco 37-640



Marv Beeferman: Crosley Trirdyne 3-R-3, GE 55X