



# The Radio Underground



The Alternative Newsletter of the NJARC

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## Next Meeting

The January 2007 meeting will be held Friday, 12 Jan, at the David Sarnoff Library. The program will be Member Show and Tell. Bring your favorite stuff.

## DX Contest

The annual DX contest will be held in January. Choose your radio and start practicing. Rules are on page 2. Complete info is here: <http://www.njarc.ar88.net/contest.html>

COMING EVENTS	
24 December	SAQ 17.2KHz—08:00 UTC <a href="http://www.alexander.n.se/">http://www.alexander.n.se/</a>
9 January	DVHRC Meeting, Telford Pa.
12 January	NJARC Meeting, Princeton, NJ
19 January	DX Contest Begins— 12 Noon
28 January	DX Contest Ends—12 Noon
30 January	Autodyne Presentation Sarnoff Library, 12 Noon
5 Febuary	DX Contest Logs Due
9 Febuary	NJARC Meeting, Princeton, NJ
3 March	Long Island Radio Day 2007 <a href="http://www.liwhs.org/specialevents.html">http://www.liwhs.org/specialevents.html</a>
9 March	NJARC Meeting, Princeton, NJ Hombrew Judging

## 2007 Homebrew Rules

The 2007 home-brew radio contest will be held at the March meeting. Once again the objective is to preserve the tradition of building your own radio.

### Category 1 – Primitive

1. The signal path of the radio may use no more than two tube functions or two discrete transistors.
2. Solid-state diodes may be used for detection as in a crystal set or reflex circuit.
3. Any convenient power supply may be used, and may contain additional vacuum tubes or semiconductors.

### Category 2 – Beginner

1. Same rules as Category 1
2. Contestant has never before made a serious attempt at building a radio from scratch.

### Category 3 – Open

Any recently constructed homebrew radio.

### Category 4 – Vintage Reproduction

Faithful reproduction of 1920-1939 homebrew radios.

### General Contest Rules:

1. The contest is open to NJARC members only.
2. Entry is limited to “scratch-built” radios as opposed to kits or modified production sets.
3. Entries must have been recently constructed by the contestant, and must be capable of receiving at least one station.
4. Contestants should be prepared to demonstrate their creations at the January 2006 meeting, and say a few words about the design and construction of their radio.

The membership in attendance will vote for the best entries in each category.

## Museum Workdays

Wednesdays have been declared official NJARC workdays starting with 12/13/06 at 9AM. Contact Ray Chase for details.

# The 2007 NJARC BCB DX Contest

In the 1920's and 1930's some radio listeners would compete with each other for the reception of the most distant stations using the same receivers that that we now restore and cherish. We can recapture some of the excitement that the early DX'ers experienced in our own contest.

## Official Contest Rules

**THE OBJECT:** To use vintage radios receivers to receive broadcast-band signals from the greatest possible distance. Performance will be judged by the total mileage for your ten best loggings during a 24-hour session. You will be competing against competitors using similar receivers.

**ELIGIBILITY:** The contest is open only to members in good standing of the New Jersey Antique Radio Club.

**CONTEST PERIOD:** The contest period will be from 12:00 Noon, local time at receiving location, Friday, January 19, 2007 through 12:00 Noon, Sunday, January 28, 2007.

**SESSIONS:** Contestants may submit logs for any two 24-consecutive-hour sessions (noon to noon) during the contest period. You may use only one receiver during a session. That means you may not "bird dog" the simple radio with a more complex radio. You may submit logs for two different receivers. They need not be in the same category.

**FREQUENCIES:** The Broadcast Band, as defined for the contest, will be from 530 to 1600 kilocycles. No stations on the new extended band, 1610 to 1710 kilocycles, will be counted since many early radios did not cover those frequencies.

### RECEIVER CATEGORIES:

- A - Crystal radios
- B - Primitive tube receivers (homebrew also) -1 to 2 tubes plus power supply
- C - 1920's Battery sets (homebrew also) -batteries or modern power supply is OK
- D - Other tube radios sold for home entertainment.
- E - Amateur, commercial, and military tube-type communications receivers.
- F - Transistor radios introduced before 1970.

**SPECIAL AWARDS** will be given for the best performances by first-time contestants.

**ANTENNAS:** Anything you like.

**LOGS:** Submit a log for each of your contest sessions (maximum of two). Each log header should include contestant's name, address, phone number, category, and description of receiver and antenna. Please include you listening address if it is different from you mailing address.

Make a log entry for each station you claim to have heard. Stations must be positively identified. (This is being done on the honor system, and is a somewhat variable concept. If you hear Boston weather on what you know is 1030KC, then go ahead and log WBZ. However, just because you heard a signal on 1160KHz doesn't mean you heard KSL in Salt Lake City.) The contest committee reserves the right to disallow what it feels are outrageous claims. Each entry should include time, frequency, call letters, location, and optional comments. Although we're only judging your ten most distant loggings, submit as complete a log as possible. The committee may make special awards for most stations, most interesting log, etc. as it sees fit.

A log sheet has been provided for convenience. You may reproduce it or generate a similar one of your own. Logs must be postmarked not later than midnight February 5, 2005.

**SCORING:** Distances to stations will be calculated by the committee and will be based on great circle distances from Freehold, New Jersey for listening posts within a 100-mile radius of Freehold. We will calculate mileage for other entries based on actual listening location. In all cases, please indicate your ten best loggings to make our job easier.

**New this year:** A contestant may claim only one Cuban time stations, Radio Reloj, regardless of how many are actually heard. All will be score as 1279 miles (Havana).

Submit logs to: Tom Provost, 19 Ivanhoe Dr., Robbinsville, NJ 08691  
Questions: Al Klase - 908-782-4829, Tom Provost - 609-243-2508