

# The 45rpm Phono Gazette

## NJ Antique Radio Club Museum now houses the National Broadcasters Hall of Fame



### Early radio history is dwarfed by etchings of the National Broadcasters Hall of Fame inductees

After much toil and dedication, the New Jersey Antique Radio Club has added the National Broadcasters Hall of Fame as part of its Antique Radio Museum at the Infoage Learning Center in Wall Township, NJ. The museum and hall of fame have the distinction of being located on Marconi Road. As the curators of the Broadcasters Hall of Fame, the NJARC will be holding yearly induction ceremonies to honor those who have made a difference in broadcasting. On September 16<sup>th</sup> the first of these inductions was held honoring new Inductees

Arthur Anderson, Charles Osgood and Les Paul. While the first two inductees were present for the special event and toured the museum, Les Paul was presented with his award on stage at the club he plays at every Monday night in Manhattan. Afterward he invited the presenters backstage to his dressing room and signed a guitar for one of our club members, Dave Sica.

The museum is divided into key areas of interest starting with early wireless, progressing to early broadcast radio, the golden age of radio, transistor and FM radio, the history of recorded music from cylinder to iPod, and early television. All of these areas surround the central core area which displays all of the NBHF inductees. Toward the back of the museum there will be a large 'hands on' room for kids and a vintage recording studio and stage.

Although all the areas are well represented with vintage displays and artifacts, I was personally responsible for



### History of Recorded Music spans early acoustic equipment through the colorful 1950s with RCA's 45 player and Webcor tape recorder.

the history of recorded music area that features the following items. A Dictaphone cylinder recorder represents the cylinder era. In time we would like to acquire and show an Edison cylinder phonograph. Next to that is a 1920s windup 78 rpm disc player in a beautiful mahogany cabinet. Then comes a table model radio/phono by Silvertone representing the 1930s. The 1940s shows a couple of wire recorders and the RCA Victor system of recorded music (45 rpm). For the 1950s magnetic tape is featured along with a colorful coral and gray 45 player. Then there are multispeed record changers, RCA's stereo cartridge tape, and the 4 and 8 track tape cartridges. To finish it off the display shows the cassette tape and compact disk. Now we just need an iPod to finish off the display.

The museum is open every Sunday afternoon from 1pm to 4pm. You are also welcome to enjoy other displays that are being prepared at the Infoage Learning Center. For more information, check out [www.infoage.org](http://www.infoage.org).

***It's that time of year again. If your address label says 1/07, then it's time to renew your subscription***

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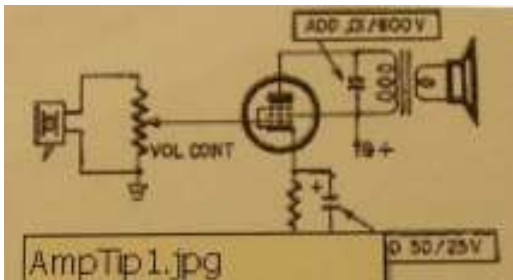
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## Workbench

### Ways to improve the performance of the 'one tube wonder'

Article provided by Dennis D'Amico

Many 'economy' portable record players (one tube wonders) were available during the 1950s. Most were owned by teenagers who needed all the volume they could get while dancing. To get sufficient volume the gain control would be fully advanced, but often this was still not quite enough, especially after the pickup's output dropped because of age.



The info that is partially blocked reads 50-uf at 25 volts

These record players featured a one-tube amplifier which is stripped to the basic essentials. But for less than a dollar, gain and quality of reproduction of such an amplifier can be greatly improved. Simply connect a 50-uf 25 volts electrolytic across the cathode resistor. This increases gain by eliminating the degeneration in the cathode circuit. Any advantage that an unbypassed cathode may have in reducing distortion is offset by the small speaker these record players have.

To improve the quality of reproduction, connect a .01-uf 600-volt capacitor across the output transformer's primary. This eliminates most of the record surface noise, acting as a tone control and prevents saturation of the output transformer by high frequencies. Today's hi-fi records really contain plenty of high frequencies. Be sure to use a 600-volt capacitor as one of lower voltage may short due to the high peak voltages generated by the transformer's inductance.

### New Replacement Idler. Does it measure up?



Willie Bosco has been kind enough to send me one of his new custom made idlers for evaluation. Here is the ultimate solution to our idler wheel headaches. The body appears to be made of solid brass and is very well made. Instead of rubber being installed around the body like the original idler, the rubber O rings are snapped on the outer circumference of the body. Since O rings are cheap and plentiful, this idler should last forever with a periodic change of O rings. The only thing to watch is when you install the O rings, make sure they are not twisted and are centered properly. Once they are seated properly you are set.

Now for the main test. How does it sound? I am pretty particular and the slightest wow or flutter bothers me. The test was done with piano music, which picks up flutter easily. The result after listening is excellent! The speed is right on, there is plenty of grip and no noticeable wow or flutter on my test changer. I did not notice any additional rumble from the turntable with this idler, although my test amplifier is not in the same box as the changer, so I guess I could run a few more tests and report in the next issue. The idler comes with a second set of O rings and an Idler Manager Cable. This cable can be used to pull the idler away from the motor shaft when the phonograph is not in use.

This is not your 99 cent idler replacement. It is a precision made device with a price tag of over \$30. But if you want the best for your 45 changer, this is it!

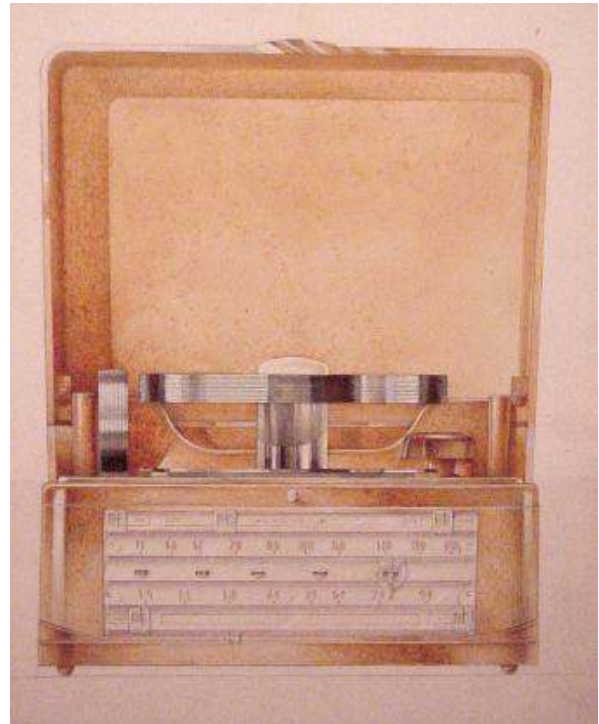
If you would like me to evaluate other items associated with the 45 player, please get in touch with me.

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## Artist Illustrations of the proposed 45 rpm machine and record from the early 1940s



Artists rendering of early 45 player



Minuette with top cover opened



This model was referred to as the "Minuette"

If you have been following the gazette articles you know that the original prototype of the 45 rpm record and player was shown to RCA management in 1942. Artists were also hired to depict the new machine and what you see here are some of their drawings. Since the machine was not put into production at this time, these drawings were kept locked up. By the time the machine was introduced (7 years later) the illustrations were no longer an accurate account of what the machines would look like. But it is interesting to see what RCA Victor was ready to manufacture and offer to the public in the early 1940s.



## Want List

## The 45rpm Phono Gazette

**Bob Becker**  
(201.391.2971)  
7 Woodland Road  
Woodcliff Lake, NJ 07677  
[rdbbecker@aol.com](mailto:rdbbecker@aol.com)  
Beige knob for 8EY4FK  
Large tuning or vol knob for 9Y510  
6JM25 Ding Dong Slideomatic  
7HF45 Oak or Maple preferred  
8EY4DJ gray plastic front with lid  
Decca blk/red portable 45 player

**Joe Centanni**  
(585.230.1539)  
1667 Waterford Road  
Walworth, NY 14568  
[s100x@rochester.rr.com](mailto:s100x@rochester.rr.com)  
VM Stereo 45 player  
Magnavox 45 player

**Charles Cummins**  
(817-732-4313)  
3912 Calmont Ave  
Fort Worth, Texas 76107

**David Cox**  
(937)484-3241  
1407 Knight Road  
Urbana, OH 43078  
[dcc49@yahoo.com](mailto:dcc49@yahoo.com)  
45 spindle for Admiral 5W12N 2-speed record player  
Bakelite lid for Zenith twin seven  
Outer concentric radio/phono knob for Emerson 635

**Dennis D'Amico**  
11892 Pine Street  
Los Alamitos, CA 90720-4163  
Looking for Zenith Twin Seven parts

**Bill Gourd**  
(989-832-2934)  
1024 West Park Drive  
Midland, Michigan 48640  
In priority order:  
8EY4, 7HF45 (wood case)  
8HF45P (portable)  
4Y511 (radio/phono)  
9Y510 or 9Y511 (radio/phono)  
6BY4

**Hank Granse**  
(360-871-9014)  
6751 View Dr. SE  
Port Orchard, WA 98367  
[hgranse@ispwest.com](mailto:hgranse@ispwest.com)

**Bob Green**  
(570-366-3949)  
1711 Breezy Acres Rd  
Orwigsburg, PA 17961  
[rcgreen@schmobile.com](mailto:rcgreen@schmobile.com)  
Record Demonstrator  
RCA Children's records

**Doug Houston**  
(810-627-4141)  
3441 South Hadley  
Ortonville, Michigan 48462  
[HoustonD@tacom.army.mil](mailto:HoustonD@tacom.army.mil)

**Mike Schwartz**  
2464 Merel Drive  
Hatfield, PA 19440-2230

[mikebeatles@yahoo.com](mailto:mikebeatles@yahoo.com)  
Power pack for Skipper

**Ron Jeff**  
30 Devonshire Terrace  
Flanders, NJ 07836  
973-584-1007  
6JY1C with green base

**Bob Kolba**  
817-294-9942  
5950 Forest Highlands  
DriveFort Worth, Texas 76132  
[Rkolba0211@aol.com](mailto:Rkolba0211@aol.com)

**John Lee**  
1658 E. 5th St.  
Ontario, CA 91764-2202  
[nipper45@verison.net](mailto:nipper45@verison.net)  
Can scan other character model  
decal in exchange for Snow White.

**John Ortale**  
(203-754-8346)  
44 Barden Street  
Waterbury, CT 06706  
[ortl@aol.com](mailto:ortl@aol.com)  
Early Disney models

**Tom Paruta**  
(716) 837-8131  
43 Flower St.  
Buffalo, NY  
[TomTMP58@aol.com](mailto:TomTMP58@aol.com)  
Zenith model T545 radio/phono.  
Zenith twin seven (G660) or  
"Dartmouth" console with twin 7

**Bob Reck**  
(410)647-1849484  
Botteford Court,  
Severna Park, MD

**Dan Saporito**  
8 - 5th Ave  
Ortley Beach, NJ 08731

**Doug Robinson**  
2609S. 800E.  
Salt Lake, Utah 84106  
[Doug45rpm@hotmail.com](mailto:Doug45rpm@hotmail.com)

**John Sportelli**  
(619-296-2422)  
3753 Herbert Street  
San diego, CA 92103  
[john.sportelli@cubic.com](mailto:john.sportelli@cubic.com)  
Set of knobs for RCA radio/phono  
models 9Y51, or 9Y510

**Ray Tyner**  
(614-475-1697)  
4709 Wendler Blvd  
Columbus Ohio 43230-1642  
[rcray45rpm@msn.com](mailto:rcray45rpm@msn.com)  
Birch 45 player, Steelman 45  
player

**Chambers Williams**  
(817-446-0346)  
9423 Marsh Creek  
San Antonio, Texas 78250

**Rex North**  
(937-368-3060)  
5333 Alcony-Conover Road  
Conover, Ohio 45317

Looking for spare idler and  
cam.

## Services

**Willie Bosco**  
707.923.3897  
1588 Miller Creek Rd.  
Garberville, CA 95542  
[williambosco@msn.com](mailto:williambosco@msn.com)  
"Lowrider" replacement  
cartridges available

**Paul Childress**  
6632 W. Denny Ct.  
Chesterfield, VA 23832  
804-271-7842  
[pchildress@prodiqy.net](mailto:pchildress@prodiqy.net)  
Players repaired and rebuilt

**Bob Havalack**  
(585-458-0801)  
44 Backus St (2nd fl)  
Rochester, NY 14608  
[ebm21@frontiernet.net](mailto:ebm21@frontiernet.net)  
Will repair/rebuild players.  
Specialize in car 45 player  
rebuids.  
Idler and Cam rebuilding

**V-M Audio Enthusiasts**  
(248-478-0990) eves/wkends  
37530 E. Meadowhill  
Northville, MI 48167  
[gstork@concentric.net](mailto:gstork@concentric.net)  
[www.thevoiceofmusic.com](http://www.thevoiceofmusic.com)  
Repair parts including both  
V-M and RCA 45 players.

**Phil Vourtsis**  
(732-446-2427)  
13 Cornell Place  
Manalapan, NJ 07726  
[pvourtsis@att.com](mailto:pvourtsis@att.com)  
Books signed by author  
The Fabulous Victrola '45'  
Schiffer Publishing LTD.  
29.95 plus \$4 shipping

**Vintage Electronics**  
128 Buccaneer Drive  
Hattiesburg, MS 39402  
601.264.4755  
[phonoed@aol.com](mailto:phonoed@aol.com)  
[www.vintageelectronics.com](http://www.vintageelectronics.com)  
Rebuilding Service  
Idlers, cams, cartridges

**West Tech Services**  
570 Hazelgreen Road  
Smithville, WV 26178  
Rebuilding Service  
Idlers, cams, cartridges

**Kurt Wilmarth**  
(716.279.8948)  
c/o Echo-Tone Music  
991 Genesee Park Blvd  
Rochester, NY 14619