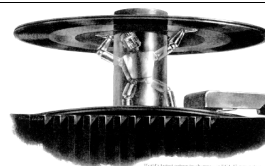


# The 45rpm Phono Gazette

**Welcome new members**

*Douglas VanCleave, Dennis D'Amico,*

*Chris Zenos, Peggy Gray*



## Custom 45 RPM Tabletop Jukebox By Willie Bosco



Custom 45 Jukes are now being manufactured in California by Willie Bosco

I always want to manufacture the "Bosco" suitcase portable. But, alas, there is no support in an industry that has all but disappeared. You can't get the 3 or 4 speed changers that were in all the portables with the little flocked platters. Even the little tube amps with their 2 meg pots and all the other little parts and pieces can't be found cheaply and in abundance as in the 50's.

I gave up on the idea after a couple years of looking around for support.

Being in the RCA 45 business, I figured I'd just use what amp/speaker I have for the sound end of the project and make a case myself that catered to my fancy. Of course I'll use the RCA rp 190 changer that I know and love. This will be a 45 player that looks like a little jukebox. I got excited again about coming up with a new player design.

I figured I could come up with my own case as I have a cabinet shop and enjoy the design and building of a small case or box for whatever purpose. But what do you do with just the case? Well, you look at it. So, as I constantly do when I'm getting ideas for building something, I started sketching ideas for a mini jukebox. About the same time it just all became clear to me that what I really wanted to do was just build the case, the part that you look at. There is something about record players and the way they look that is either a turn on or usually, in the case of the suitcase portable, they are just a dark dull looking box sitting there.

I always wanted to have a jukebox, so I started drawing my favorite profiles. After weeks of cut and paste and back to the drawing board I got close to what I wanted.

I made up a prototype that is very close to what I'm now producing. With the prototype I was able to get the room I needed to install the rp190 changer and room for the amp/speaker. After working out the window designs, edge trim, hardware and those gorgeous front window hinges, decorative extrusions and lighting + the Rock-A-Lot logos. I forgot to mention 3 different cloths and grill work?

The amp and speaker in the prototype was a 3 tuber from a Voice of music portable. The second one had an EY2 amp/speaker installed. This is what I'll use along with the hifi from an EY4 for those special orders.

(Continued on page 2)

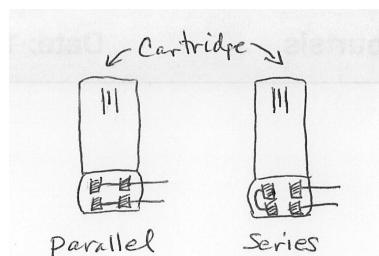
# The 45rpm Phono Gazette

## The Workbench

These interesting ideas come from Douglas VanCleave.

### Higher output cartridge

Many of us use stereo replacement cartridges and it makes sense to parallel the left and right channels in order to get both channels when playing the newer stereo 45's. (Most 45's have been stereo since the late 1960's). I have found through trial and error that the best results are achieved when the leads are paralleled right at the cartridge pins. But what would happen if you put the left and right channel in series? Could you get twice the output from the cartridge? Well I tried it and it does sound louder but not twice as loud. Then again, doubling the output would only give a 3 decibel increase in loudness. When working on a one tube wonder (models 7ey1, 8ey31) any increase in loudness is an improvement.



### New Orthophonic High Fidelity Mysteries

Ever notice that model 7HF45 and 8HF45 always sound their best with an original Sonotone or replacement 51-1 Astatic cartridge? I've tried many different modern cartridges and they always sound flat. Here's why! The newer cartridges have lower outputs but since the amps in these players have plenty of volume, you would think the cartridge output would not be a problem. Well, think again! The 7hf45 amplifier has a built in loudness compensation network that changes the amount of bass depending on the

volume setting. The higher the volume setting, the less bass is applied through the network. Since the newer cartridges require a higher volume setting, most of the bass compensation has been removed.

Perhaps we could play with the component values in the network. My plan is to discuss this with some of the circuit gurus in the NJ antique radio club and see if we can come up with a solution. (end)

### (45 Juke continued)

The case really does add a special sound to the whole acoustic experience. Speaking of the case again, the reason the RCA players are so popular is because they look so cool. Looks mean a lot. They add to the experience of the record playing. We used to hover around the player and get involved with the whole action, even if it was just a little portable. I've always been intrigued with watching a changer operate.



Custom 45 Juke with interior lights on

Putting all the different aspects together and arriving at a finished product was hard to do. Things kept changing, like my suppliers and availability of certain parts and supplies. Some of the design, as in the logos and chrome window trim, were

last minute arrivals. The grill work changed 3 times. The lighting changed 3 times. For lighting I have nite lite bulbs placed just so. There is plenty of ventilation in the player and 2 grilled vent holes on top. This player turned out to be a sparkling performer. (end)

## 7EY2 Deluxe 3 Facelift

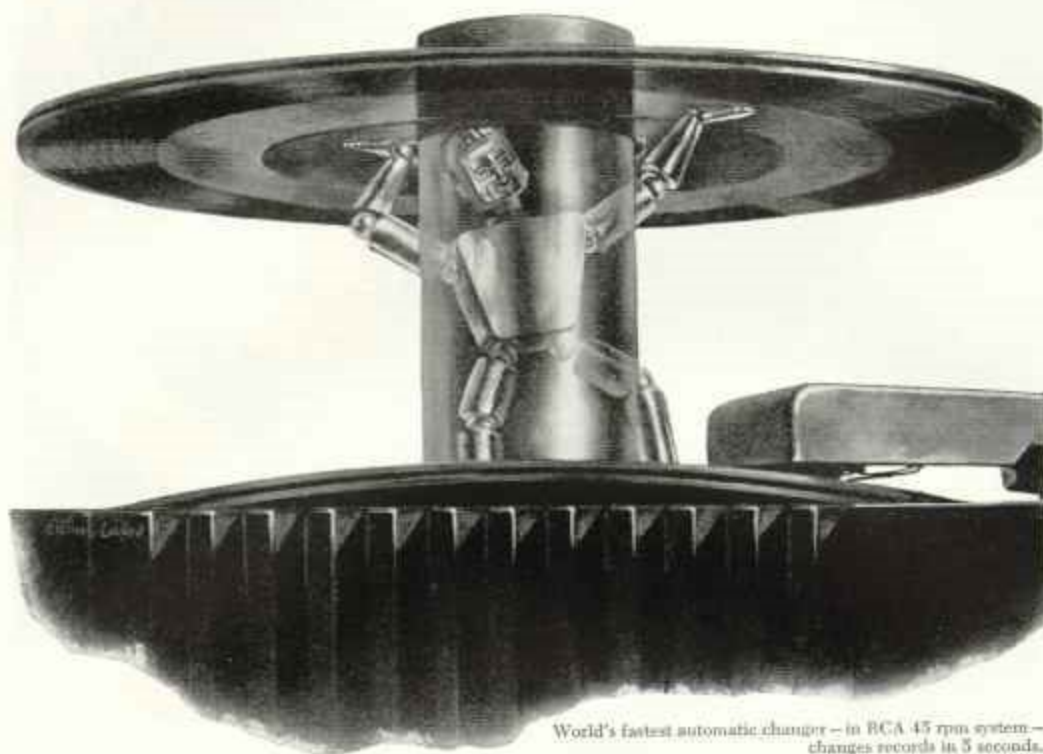


Crinkle finish can hide a million imperfections on motor board

Steve Calandra is one of our newest phono enthusiasts and he is very excited about the 45 RPM machines. When I sold Steve a couple of beat-up 7EY2 parts machines, I never expected to see this as the result. The motor board was in such bad shape with rust and gouging, I figured he would have to use a different motor board. But Steve, being an antique auto buff, used some crinkle finish paint and this is the result! He also changed the color of the arm and cap and it coordinates well with the rest of the machine. Nice job!

The 45-RPM Phono Gazette is a quarterly publication.

Subscriptions are available for \$5.00 annually. For more information call Phil Vourtsis at 732.446.2427 or email to [philvourtsis@gmail.com](mailto:philvourtsis@gmail.com)



World's fastest automatic changer—in RCA 45 rpm system—changes records in 5 seconds.

## *Quick change artist*

Hundreds of thousands are now enjoying RCA's thrilling new way of playing records... they marvel at its wonderful tone, its compactness... and the speed with which it changes records.

Prolonged research is behind this achievement, research which sought—for the first time in 80 years of phonograph history—a record and automatic player designed for each other.

Revolutionary is its record-changing principle, with mechanism inside the central spindle post

on which records are so easily stacked. Result: a *simplified* machine, that changes records in 5 seconds.

Remarkable, too, are the new records—only 6 $\frac{3}{4}$  inches in diameter—yet giving as much playing time as conventional 12-inch records. Unbreakable, these compact vinyl plastic discs use only the distortion-free "quality zone"... for unbelievable beauty of tone.

Value of the research behind RCA's 45 rpm system—which was started 11 years ago at RCA Lab-

oratories—is seen in the instant acceptance, by the public, of this better way of playing records. Music lovers may now have *both* the 45 rpm system, and the conventional "78."

\* \* \*

Development of an entirely new record-playing principle is just one of hundreds of ways in which RCA research works for you. This continued leadership in science and engineering adds value beyond price to any product of RCA, or RCA Victor.



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