



No Meeting No Picnic and NO ZOOM MEETING Ribeye steaks at a later date

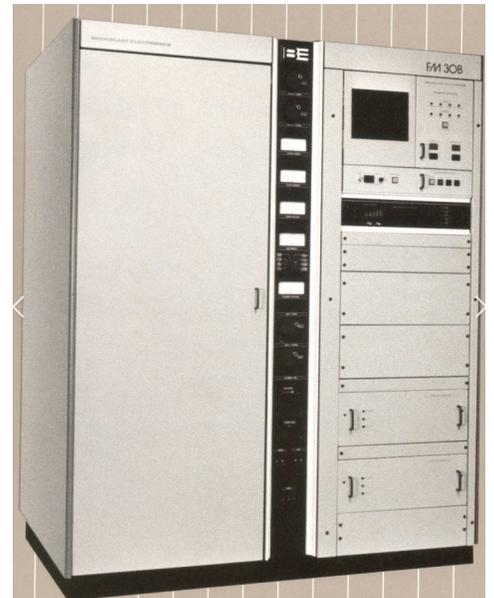
Watch out for those harmonics By Richard Majestic

It was a warm spring in Quincy IL at BE Broadcast Electronics I was in the front of main large office area getting the details of the late spring NAB convention National association of Broadcaster convention. When Larry Cervone walked in said good morning to the receptionist, me and the girls in the front of the office. Larry had a serious look on his face when he walked into his office. Larry was the president and CEO of BE he had hired me to design and get into manufacturing a large broadcast mixer console. I started walking back to my office when two sheriff's deputies walked in and asked to see the president Cervone Larry heard his name and came out of his office the two deputies said we have some papers for you and handed them to Larry, he went into his office and came out after walking down to the director of engineering he walks into his office and yells "Majestic get in here" he says sit down., then Larry starts by telling me that BE was just served a couple of million dollar law suit for contractual failure I said what does that have to do with me, I had only worked for BE less than a year. Larry said I want you to find out why this installation was screwed up and

fix it.

I went to sales manager and asked some questions and then went to the foreman of the installation team I got the customers name and their call letters, which was KJAZ in LA a very popular FM station and I found out that KJAZ had been having trouble since BE installed their FM transmitter. I also got the GM's name and phone number and the name of the chief engineer at the station. We had also sold ABC radio six 40KW FM transmitters and they were being built in the production area right now, so I go back there to see what our 40KW FM transmitter looked like. After poking around for a few minutes I went back to my office and called the chief engineer of KJAZ and asked him two questions what was KJAZ's FM frequency and who made the STL studio to transmitter link. The international sales manager had the office next to mine and he shouts get the STL information. I called the CHIEF engineer back and asked him who made the STL, who installed the STL and where was the antenna for the

(Continued on page Six)



Broadcast Electronics 30B FM transmitter

Minutes NMRCC Meeting 3/8/2020 by Chuck Burch

NMRCC September 13, 2020 Zoom Meeting Minutes by Chuck Burch

Prior to the start of the meeting, people signing in early had a discussion on clocks.

President David Wilson started the formal meeting at 1:10 with 11 people signed on with Zoom. The meeting theme was odd radio construction.

- John Anthes discussed his recent restoration of a Fada Bullet cabinet. He started using 600-grit sandpaper to remove the oxidation but was getting no progress. He went to 150-grit sandpaper where he spent over 8 hours sanding and painted the radio using guitar lacquer. Using information found from internet searches, he made a new back from masonite from a clipboard and made new back labels—it looks really good. John feels that while the results are not perfect, he is very pleased with the results. His next restoration is using 4 different Crosley Dashboard radios to come up one excellent version and hopefully another one in decent condition.

- Chuck Burch showed a 1941 Zenith 6D525 radio with a waterfall Ingraham cabinet and inlaid strips.

- Mark Toppo showed a 1931 Crosley Model 59 Showboy repwood radio in excellent original condition and a 1940 Majestic model 130 radio which has 3 tubes and a 2-1/2" speaker. He also showed a very rare 1936/37 Steward Warner model R162 radio in original condition housed in a metal case on a wood base. It was probably made in Canada and is a pain to work on as everything is extremely cramped.

- Andy Baron demonstrated using a 1920 Dophintone device which allows you to listen to a radio using a photograph as the speaker. The device attaches to the needle of a photograph and the audio from the radio drives the needle. He also showed a 1927 Steinnite radio which has 4 tuning caps, 199 tubes and a 112 output tube as well as an old drive-in speaker where he had installed a transistor radio inside the aluminum case.

- Jim Hanlon discussed a Bendix ATD transmitter he is working on. His high school radio club had one. It is from the early 1940s and 6000 were made for the Navy. He plans to undo modifications someone had made to the radio and restore it to its original condition.

- David Wilson showed his 1940-era Bendix DU1 radio compass. He also showed a picture of a 1938 7J259 (same chassis used in the Walton 7J232) radio that he gave his mother in the 1980s which she still has. John Lyles showed a picture of KSCO's studio that contained a 250 watt transmitter

which is identical to one that KRSN 1490 AM in Los Alamos had. In 2010, John got a call asking him if he wanted the transmitter, but he needed to come and get it. He recruited 4 helpers as it weighs 1400 pounds. He removed the iron transformers to make it lighter, but it was still quite heavy. He showed pictures of the adventure of moving of the transmitter to his garage. KRSN shut down in August 2020 as most of their major advertisers cut back with their advertising as COVID was restricting their business.

We were hoping to have our fall picnic October 11th at David Wilson's home in Las Cruces, but because of COVID we had to cancel. Our next meeting will be on November 8th. A Zoom meeting.

~C. Burch

NMRCC 2020 MEETINGS

January 12th 'FM tuners

February 9th. Tube boxes, old radio books and text books, documents (manufacturer newsletters), and advertising items related to radios and broadcasting

March 8th 1930s art deco radios, chrome chassis and intricate wood design radios

April 10th Canceled Covid19 Old computers, calculators, slide rules, and associated items

May 10th . Canceled Covid19 **Spring Picnic&sale** – (J.Anthes's)

June 14th . Canceled Covid19 Zoom meeting Unusual Devices/Stump the Experts- Unusual tubes, light bulbs, transistors, and radio parts. Also, who can identify that strange gizmo you found, or explain how an unusual object works?

July 12th Zoom meeting Unusual Devices and Stump the Experts. ... strange tubes, radio parts, devices etc.

August 9th Wild Card Sunday

September 13th Radios with odd construction

October 11th Fall Ribeye Steak Picnic (Wilson's)

November 08th Radio Repair Workshop with Richard Majestic AA12s

December 13th Holiday Party & sale at Mark topo's home

NMRCC Officers for 2020

- *David Wilson: President*
- *Mark Toppo: Vice President*
- *Richard Majestic: Treasurer*
- *[open] Secretary C. Burch acting*
- *Membership Randy Gray*
- *Ron Monty Director*
- *Les Davidson Director*
- *John Anthes Director*
- *John Hannahs*
- *Richard Majestic: Newsletter Editor*

Some screen shot Views from our August Zoom meeting



SEPTEMBER 13, 2020 NMRCC Monthly: a ZOOM Meeting

DECADE EFFORT RESTORATION
1945? FADA 1000A? BULLET RADIO

John Anthes with HELP (Many)



MANY HOURS RESTORING CATALIN HOUSING & INTERNET SEARCH FOR INFO



IS THIS ONE MY RADIO?
ORIGINAL COLOR NOT SAVED

FROM THE PRESIDENT'S DESK



NMRCC Members:

The October 11th NMRCC fall picnic was scheduled to be held at my home this month in Las Cruces will have to be canceled. Unfortunately, due to ongoing issues with my mother's health, which is requiring me to be Albuquerque and not in Las Cruces, I will not be able to host our annual picnic. I also believe with the recent rise in the COVID-19 infection numbers in Las Cruces and around the state, combined with the older age of our club members is another reason we should use caution here and cancel the picnic this year.

Our next meeting will be Sunday, November 8th and that meeting will be held on ZOOM again. I will send out a ZOOM meeting invite, like in the past, with details as we get closer to that meeting date.

I hope to see you all on our virtual Sunday, meeting next month!

Be safe!

David Wilson
NMRCC President

The Wireless and Electrical Cyclopedia

I recently purchased a very unusual radio parts catalog produced in 1918, four years before Westinghouse would go on the air with the world's first true commercial radio station and about the same time Ralph Goddard the Dean of engineering at New Mexico College of Agriculture and Mechanical Arts, now New Mexico State University, begin to experiment with radio equipment like the equipment sold in this catalog. The 102-year-old catalog was published by the Electro Importing Co. located at 233 Fulton Avenue in New York City on what was considered as at the time and into the 1960s as part of New York's famous "Radio Row."

I bought the catalog from John Terry the former publisher of Antique Radio Classified. It's the oldest by far of all the many old radio publications in my collection. For the most part this was a mail order catalog created to sell radio parts to radio enthusiasts so they could build their own radio transmitters and receivers. This catalog is an incredible look into the early world of radio.

The first 17-pages of the catalog has a description with an encyclopedia like section describing how radio worked along with of how to order parts from the Electro Importing Co. There are also an application to be a member of the "Radio League of America," the first amateur radio.

I Did some searching on the internet to see if there was any information on Electro Importing Co of New York, who put this catalog out in 1918 and I found this interesting NPR store from 2005 titled:

World Trade Center: The History of the Old Radio Row

Listen at this link:

<https://www.npr.org/templates/story/story.php?storyId=131003628> This a really great story where you can listen to stories from the people who work and grew up

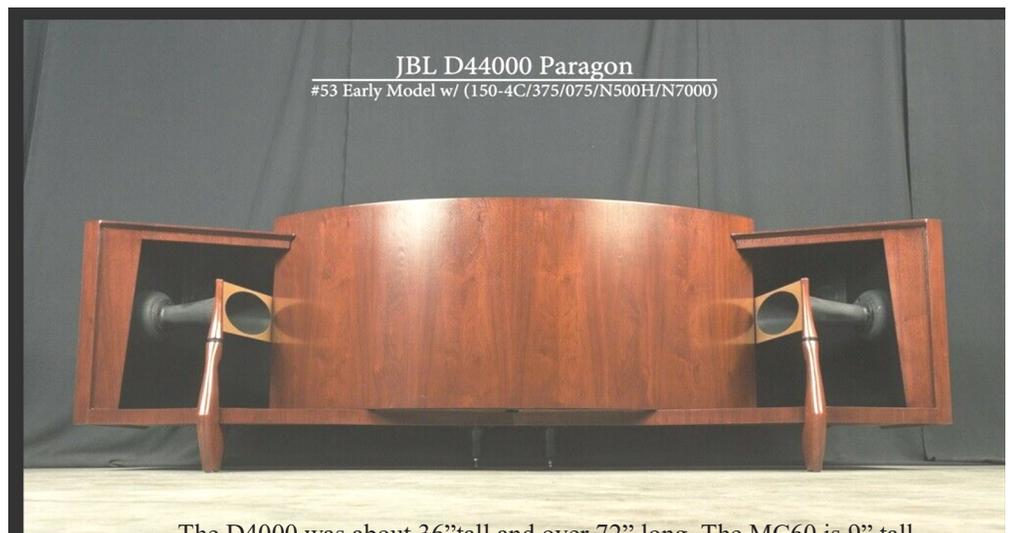
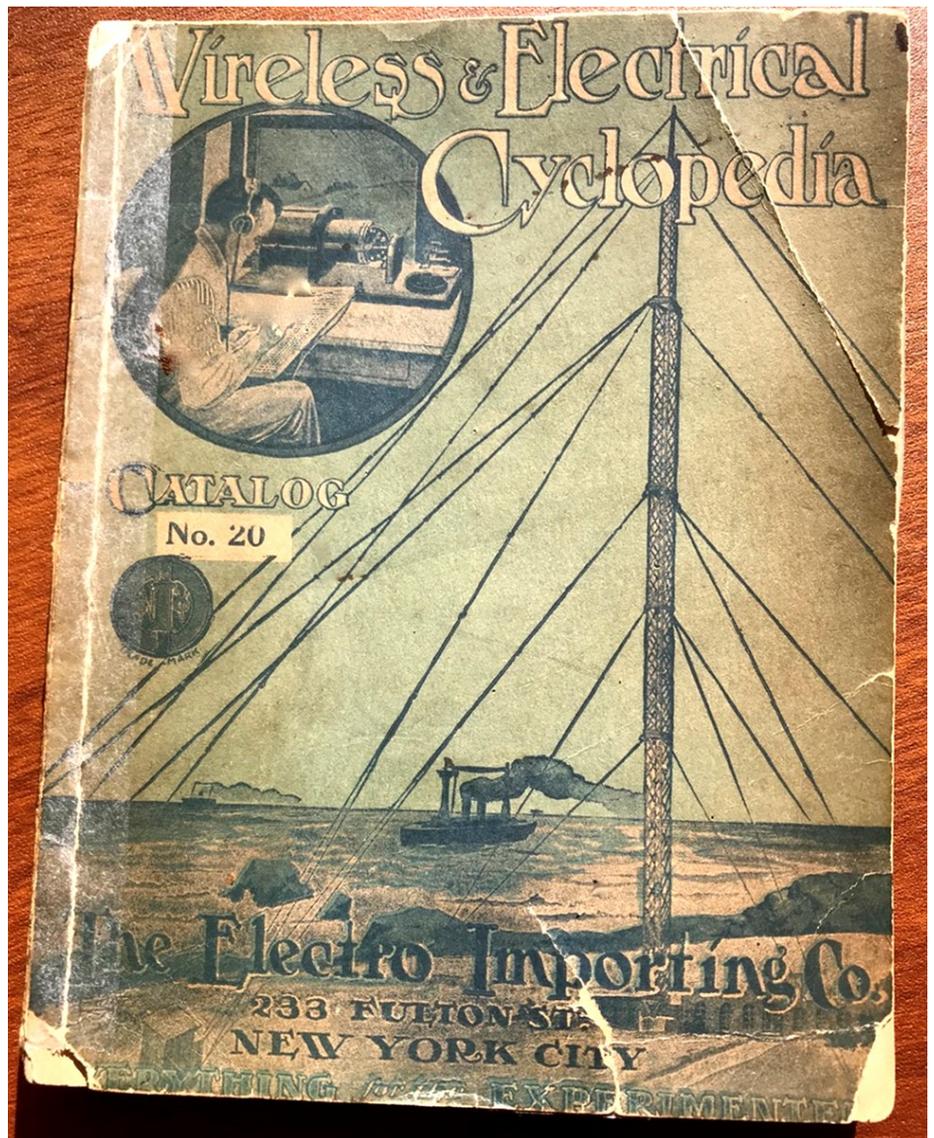
shopping in the old stores that made up "Radio Row" at Cortlandt Street in lower Manhattan. These are great, first person stories about early radio supply and repair center of New York and really this area even served the United States by mail order like the Wireless & Electrical Cyclopedia catalog did.

When stores like City Radio opened on New York City's Cortlandt Street in 1921, radio was a novelty. Over the next few decades, hundreds of stores popped up in the neighborhood: Metro Radio, Blan the Radio Man, Leotone Radio, Cantor the Cabinet King. The six-square-block area in lower Manhattan became a bazaar of tubes, knobs, hi-fi equipment and antenna kits. It was the largest collection of radio and electronics stores in the world.

Then starting in 1966, the stores were condemned and bulldozed to make way for the new World Trade Center.* Sadly, many things over the year in New York City were torn down to make way for modern development like the World Trade Center. Just a couple of years ago the first Apple Computer store in the country finally closed in lower Manhattan so there change continues today.

* *New York Public Library.* ~D. Wilson

Back in the dark ages 1959 after High school I went to RCA Institute located in lower manhatin, I commuted every day by train into the city from Long Island . I would have extra time during the day to visit radio row in the city, it was only a few blocks from RCA Institute Lafayette Radio and Arrow electronics was on that block. The Lafayette store was huge the size of Macy's in Midtown. They had the High Fi department on the 5th floor and good expensive stereo gear was sold. They had the JBL Paragon D4000. it cost thousands in 1959. Bob Heil hung 50 of these speakers in Nassau Coliseum with 100 McIntosh MC60 amplifiers for the sound system for the rock band YES. After experiencing that sound system I wanted one of these Paragons, they used 2-15" horn loaded woofers 2 -midrange Horn speakers, and the 2 -horn tweeters you can see. Four relay racks filled with Mac amplifiers and a diesel generator truck in the parking lot for power.



The D4000 was about 36" tall and over 72" long. The MC60 is 9" tall and 13.5" long and weighs about 50 Lb Bob Heil was famous for this sound system he now sells some of the best Microphones sold in th US . ~R Majestic

continued from page-1: STL mounted. KJAZ is 88.1 MHz. the STL is 1,057.2 MHz. and the STL antenna a simple low gain Yaggi. I took a HP frequency counter from the engineering department and went back to the FM transmitters under test, I asked the production people to change the transmitters frequency to 88.1 MHz. and crank it up to full power, the counter had only a test lead on the input and the counter read 1,057.2 MHz. I asked the production guys to shut the Transmitter off, and I started looking around the output tube which was a ceramic high power triode and it was in a folded aluminum box which was supposed to be the tuned cavity. But the folded aluminum tube box and cavity left a opening slot in each corner of the aluminum cube. Grabbed a roll of aluminum foil tape and covered each edge of the cube, I then had the crew turn the transmitter back on at full power and the 1,057.2 MHz. was gone, I got an oscilloscope from the lab and checked for other RF leakage there was only a little 88.1 MHz.. I went to Larry and told him I had found the problem and he said how do we fix it, aluminum foil tape would not cut it with the customer, the cavity box got hot. I told larry I would send one of the install guys to LA have him find an aluminum car body welder and have him weld up all the cavity box edges. Larry did that and then had a talk with the director of engineering Jeff Muldoom and I was in trouble. CE had sold very many of those transmitters usually in backup pairs. What should have happened was, the Chief engineer the designer of that transmitter should have been fired and a Harris employee hired as CE. The guy who designed the exciter or primary oscillator modulator for the FM transmitters was my friend John Lylyse now a NMRCC member. If you want to meet Jeff he's in this video tour of the Crosley 500kW AM transmitter built in the 30's by RCA. YouTube WLW story <https://www.youtube.com/watch?v=CbHjcwIoTiY> 30KW Broadcast Electronics FM transmitter another YouTube video <https://www.youtube.com/watch?v=vbBWY10NDOc&t=159s>

BE is a **60-year-old company** located in **Quincy, Illinois**, where radio technology has been a family business for generations. Every major innovation that shaped modern radio originated in Quincy, and it is here that BE products are designed, supported and manufactured today.

A Radio Dial Light Modification

By Chuck Burch

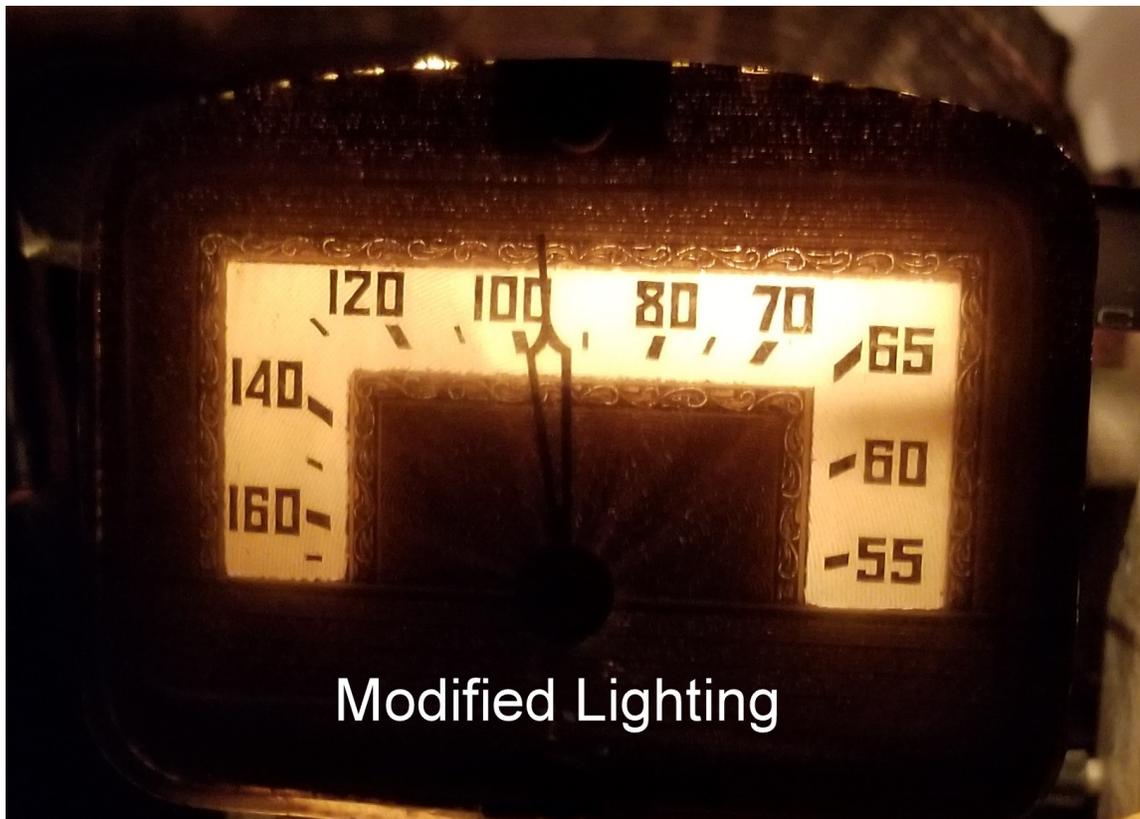
I recently restored a radio where the dial light only lit half of the dial as shown in the picture:



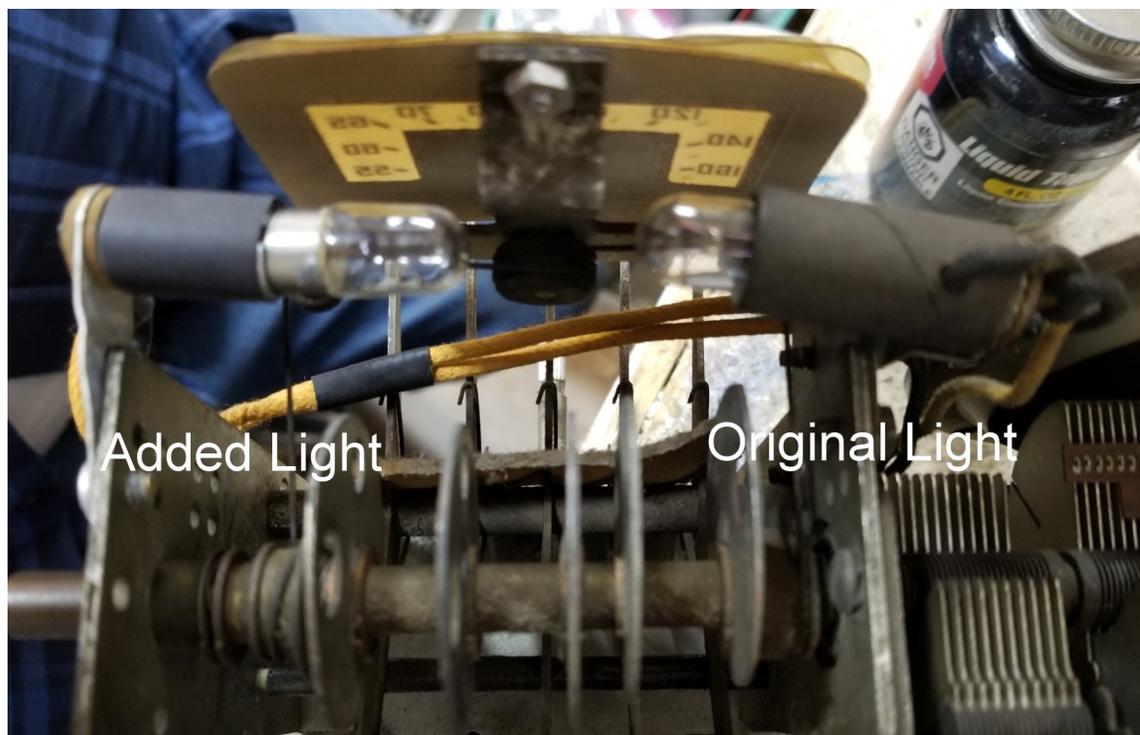
I could have maybe moved the light to the middle to better light the dial, but because of a mounting bracket in the middle of the dial, I decided on a different means. The radio has tubes with their filaments in series and utilizes a #47 lamp which is rated at 6.3 volts at .15 amps that the filament circuit is dependent on. I decided it would be easy to mount another dial light on the opposite side of the dial, but I needed to maintain similar voltage and currents of the two lights. If the radio had a transformer which was large enough to support another .15 amp drain, then I could have wired a new 47 light in parallel with the existing light. But that would not work with this series-wired-filament radio.

Then, I remember a light bulb I have used in the past, the #1490 which is rated at 3.2 volts at .16 amps and has the same base as a 47 light. Hooking two of these in series would result in 6.4 volts at .16a which should be close enough to replace a 47 light. Adding the new socket and making the

series connection modification, the radio worked fine and had much better dial lighting as shown in the picture:



A picture of the modification is below. It is a modification that could be considered for other radios that use series-wired filaments and a 47 dial light where you want a better lit dial. ~C. Burch





**NEW MEXICO RADIO
COLLECTORS CLUB**

New Mexico Radio Collectors Club
Richard Majestic (Membership inquiries)
5460 Superstition Drive
Las Cruces NM 88011

E-Mail: ronmonty@comcast.net
Phone: 505 281-5067
E-Mail: rmajestic@msn.com
Phone: 575 521-0018

FOR INFORMATION CHECK THE INTERNET
<http://www.newmexicoradiocollectorsclub.com/>

The New Mexico Radio Collectors Club is a non-profit organization founded in 1994 in order to enhance the enjoyment of collecting and preservation of radios for all its members.

NOTICE: Due to COVID-19 State rules our regular NMRCC meetings are not currently being held the second Sunday of every month at The Quelab at 680 Haines, Ave.NW, Albuquerque, NM, with equipment auction starting at 1 PM, general meeting starting at 2 PM. Instead, we are having our currently holding meetings via Zoom over the internet, the second Sunday of the month striating at 1 PM. Members will be emailed the meeting invite links each meeting so they can attend online by Zoom. We will return to our regular Quelab, second Sunday of each month scheduled meetings once the State of New Mexico lifts their COVED-19 restrictions.

NMRCC NEWSLETTER

USPS Stamp

