

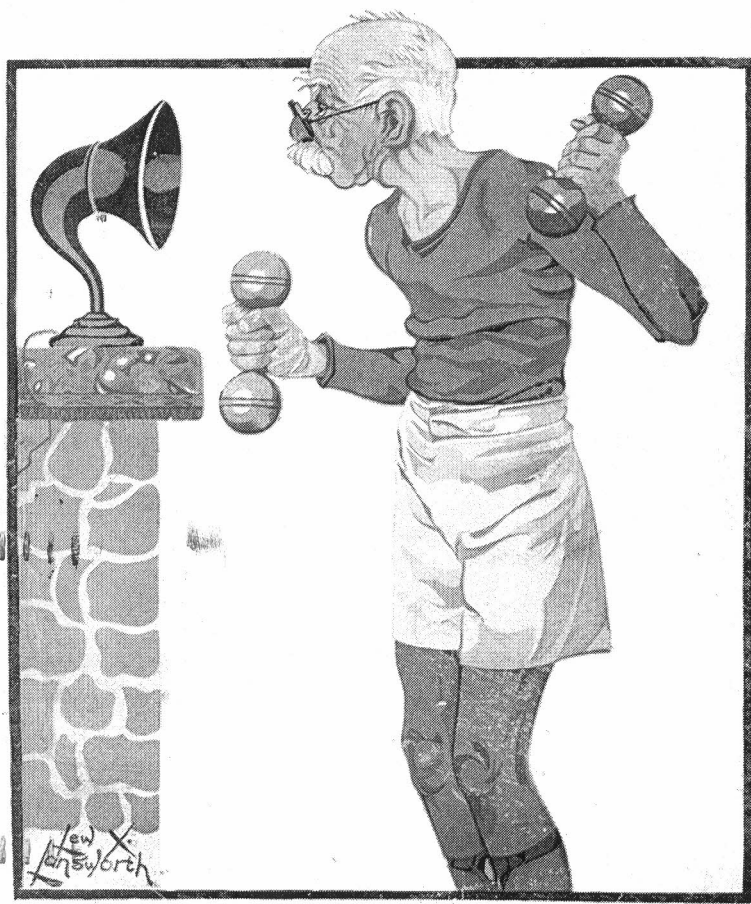
The

Call Letter

June, 2005
Vol. 31 — No. 6

RADIO

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30 years in print!

The Northwest Vintage Radio Society

Post Office Box 82379
Portland, Oregon 97282-0379

The Northwest Vintage Radio Society is a non-profit historical society incorporated in the State of Oregon. Since 1974 the Society has been dedicated to the preservation and enjoyment of "Vintage radio" and wireless equipment.

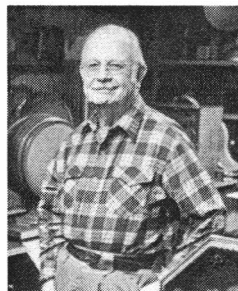
Membership in the Society is open to all who are actively interested in historic preservation. The dues are \$25.00 for domestic membership, due on January 1st of each year (prorated quarterly).

The *Call Letter* has been a monthly publication since 1974. It was originated with the founder, Bob Bilbie, and our first president, Harley Perkins. Through several editors and with the assistance of numerous society members, the *Call Letter* has continued to be a publication that informs members of the society's business and that supports the hobby of collecting, preserving, and restoring vintage radios.

Society meetings are held the second Saturday of each month (except July and August) at the Abernethy Grange Hall at 15745 S. Harley Ave. in Oregon City, Oregon. They convene at or about 10 AM for the purpose of displaying radios, conducting Society business, and exchanging information. Guests are welcome at all Society meetings and functions (except board meetings).

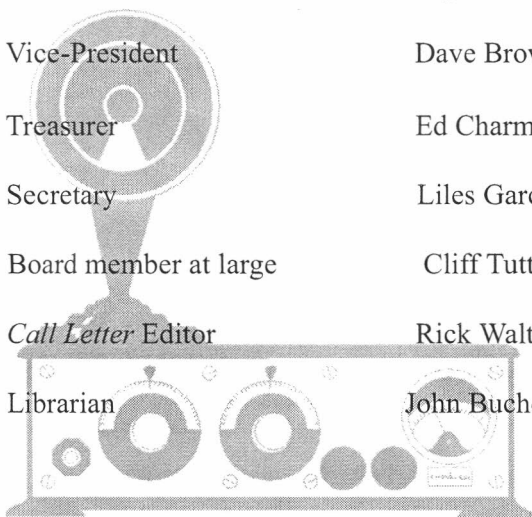
Other Society functions include guest speakers, auctions, radio show, and radio sales which are advertised in the *Call Letter* and are held in and around Portland.

With each issue of the *Call Letter*, we remember Jim Mason, a charter member of the society who remained active until his death in 1999. A generous bequest from Jim's estate ensures the vitality of the Northwest Vintage Radio Society, and continued publication of the *Call Letter*.



Society Officers for 2005:

President	George Kirkwood	(503) 648-4809 radiogeo@hevanet.com
Vice-President	Dave Brown	(503) 585-4667 ironradio@qwest.net
Treasurer	Ed Charman	(503) 654-7387
Secretary	Liles Garcia	(503) 649-9288 landn@easystreet.com
Board member at large	Cliff Tuttle	(503) 666-7005 kiptuttle@aol.com
<i>Call Letter</i> Editor	Rick Walton	(503) 284-5648 rwalton@easystreet.com
Librarian	John Bucholtz	(360) 693-7135 BonJonBuck@webtv.net



June 2005

Table of Contents

From the Editor..... 2

NWVRS 2005 Calendar of Events 3

Photo Display: Spring 2005 Swap Meet..... 5

Voilà ...new and recent finds by NVRS members 7

Another Long Radio 8

In the Shack!..... 10

Swap Shop 12

On the cover: This piece of artwork is from the September, 1925, issue of *Radio* magazine. The magazine made its way into your editor's collection at the Spring Swap Meet. An interesting sidelight to this magazine is that the cover was stamped as being from the collection of Thomas James.

The next meeting is on June 11, 2005.

June Feature: Tuning-Eye Sets.

Visit our web site at <http://nwvrs.org>.

Next Call Letter Deadline: June 27, 2005.

The *Call Letter* is the official publication of the Northwest Vintage Radio Society. Circulation is limited to the membership and guests of the Society. The Society is not responsible for the material contributed for publication, nor the quality, timeliness, or accuracy of the items or services offered for sale in the SWAP SHOP. By common agreement of the board of directors, the buyer assumes all responsibility for the satisfaction of any transaction.

From the Editor

by Call Letter Editor, Rick Walton

What a busy time of the year this is! My youngest graduates from high school in just a matter of days and the preparations seem endless, what with relatives coming in from all over the country. It'll all be over soon, though, and I'll be able to return to a less hectic pace.

In this month's issue we get a look at another Long radio, this one collected by Jay Johnston. Jay fills us in on the acquisition of the radio and the steps he went through in an effort to verify to his satisfaction that this is a genuine Long radio.

This month's Photo Display consists of a variety of snapshots taken at last month's Swap Meet. My thanks to Dave Brown for taking a large share of the photos. I wasn't able to stay for the entire event due to another engagement that day. The part in which I participated seemed to go well enough. I hope that someone will be making a report on the swap meet at this month's meeting.

Speaking of this month's meeting, I won't be able to attend. I'll be out of town on the 11th attending a wedding (part of the reason for all the relatives in town). Part of the busy-ness of things.

In the continuing reprinting of Mike Parker's *In the Shack!* we have the April 1995 article in which Mike describes a method for repairing old audio transformers. It includes a circuit diagram and parts list for those who like to build such things.

As usual, Voila and the Swap Shop round out the issue. I owe Sonny Clutter an apology because I seem to have misplaced a submission he sent me two or three months ago. I've searched through my computer for the e-mail with the items, but to no avail.

Finally, take notice of the new date in the calendar. For those of you not on the e-mail list, Rudy Zvarich has firmed up the date for visiting the Zenith radio museum at Electrical Distributing Company in NW Portland. I won't be able to attend that event, either, due to work pressures, but I'll try to make sure that someone takes pictures to put in the next *Call Letter*.

NWVRS 2005 Calendar of Events

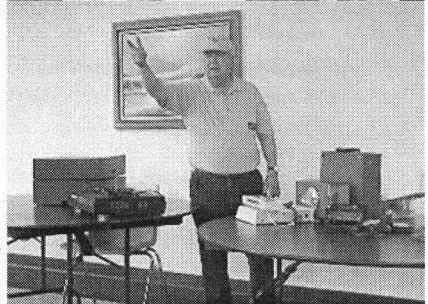
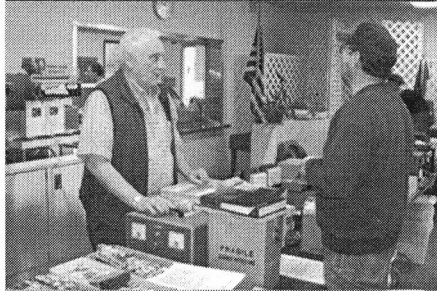
- June 11** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- June 11** Hamfest 2005. Kootenai Amateur Radio Society. Lions Club, Hiway 53, Rathdrum, ID. For more info contact Jim, N7ESU at (208)667-4915 or email n7esu@arrl.net
- June 14** NWVRS Zenith Museum tour 1 pm. Guests and cameras are OK. The museum is located at Electrical Distributing Co. 4600 NW St. Helen's Rd., the intersection of NW St. Helen's Road and Yeon Ave. and Kittridge.
- June 17-19** SEA*PAC, Northwestern Division Convention, Seaside, OR Oregon Tualatin Valley ARC <http://www.scapac.org>
- July 9** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- July 15-17** Glacier-Waterton International Peace Park Hamfest July 18-20, 2003, East Glacier, MT.
<http://www.gwhamfest.org>
- July 30** Chehalis Valley Amateur Radio Society Hamfest. Lewis County Fair Grounds, Chehalis, WA. For details, contact John Ellingson, K7OSK, k7osk@boatanchor.com.
- August 13** NWVRS monthly meeting and Summer picnic - Cham-poeg State Park. Details to follow.
- August 13** Hamfest and Electronics Flea Market, Radio Club of Tacoma; Bethel Junior High School
22001 38th Avenue East, Spanaway, WA
- August 13** Hamfest - Swapmeet. Bandon, OR. (Note new date!!!) Located at the "Barn" (Bandon's Community Center). Sponsored by the Coos County Radio Club. Contact Paul, K7AIA at (541)888-2050 or k7aia@arrl.net.
- August 13** Christina Lake Amateur Radio Picnic/Camp out. Christina Lake Motor Inn, Christina lake, BC, Canada. For information, contact janroy@shaw.ca, (250)497-6136.

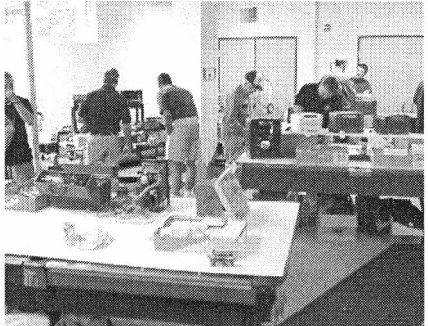
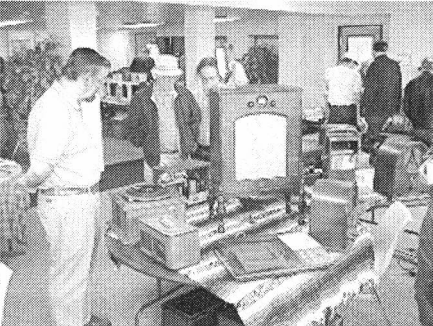
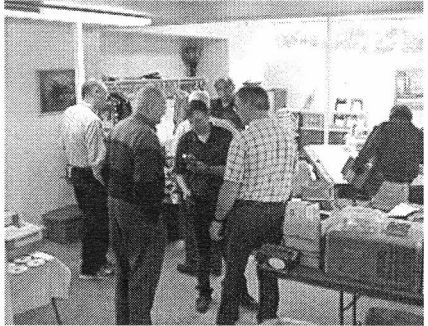
- August 13** The 8th Annual Greater Portland Insulator Swap. Located on Mt. Scott in southeast Portland -- 9999 SE Frenchacres Dr. Portland, OR Starts at 1:00 pm and runs until early evening. No charge. For more information contact Dan Howard (503)761-7799 email strains@msn.com.
- August 20** Longview Hamfair. New location at the Castle Rock Fairgrounds. Sponsored by the Lower Columbia Amateur Radio Association. For information contact Bob, KB7ADO, KB7ADO@aol.com. Flyer in PDF, (37K) Map in PDF, (31K)
- August 21** Antique Radio Swap Meet. Sponsored by the Puget Sound Antique Radio Association. 9 AM to 1 PM. Shore-line museum parking lot. N. 175th & Linden, Avenue, North Seattle. One block west of Aurora Ave. or one mile west of I-5, exit 176. Free admission.
- September 10** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- September 24** Spokane Hamfest. (ARRL Washington State Convention) New University High School, Spokane, WA 99206. <http://www.kbara.org>. Info, contact Betsy Ashleman, N7WRQ, n7wrq@aol.com.
- Sept 30 - Oct 2** Pacific Northwest VHF Society Annual Conference. Shilo Inn, Seaside Oregon. http://www.pnwvhfs.org/pressreleases/PR_12182004.htm
- October 8** NWVRS Fall Swap/Sale at Salvation Army Rose Center.
- October 22** Swap-Toberfest, Polk County Fairgrounds, Rickreall, Oregon. (Ten miles west of Salem). This is a big one and a good one! For information, contact n7bud@arrl.net. <http://www.swaptoberfest.net/>
- October 29** Mount Baker Amateur Radio Club Flea Market, Lynden, WA. <http://www.qsl.net/k7skw/fleamarket.htm>. Info, contact k7iey@netscape.net
- November 12** NWVRS monthly meeting 10 am; tailgate swap 8:30. Nomination of officers for 2006.
- December 10** NWVRS monthly meeting and annual Holiday Party 10 am. Election of officers for 2006.

Photo Display: Spring 2005 Swap Meet

Photos by Dave Brown and Rick Walton

Scenes from the Swap Meet held May 14 at the Salvation Army Rose Center.





Voilà

...new and recent finds by NVRS members

Compiled by Sonny Clutter

Jay Johnston:

Long Radio Works tombstone. It has 5 tubes, Lansing speaker, and seems to be very original.

Ferguson Book radio. This swap meet acquisition looks like a set of hardback books. The leather covering needs some work, but everything else is great.

Morrow CM-1. Made in Salem, OR, this rugged little (about the size of a cigar box) set was probably produced as a good quality civil defense receiver. It has a transformer, 2 IF stages, 2 extra tube sockets (for foreign tubes?), a vernier tuning dial, and a signal strength meter. It's attractive in a minimalist, industrial sort of way.

Dave Wise:

Test Equipment:

Tektronix 1A7. Purchased from R5-D3, this 500-series oscilloscope vertical amp plug-in is the most sensitive DC scope plug-in Tek ever made.

Hickok 191X Signal Generator. It has lots of frequency ranges, a big dial, and a unique, powerhouse-style cylindrical meter.

Fluke 801 Differential Voltmeter. Purchased from Andy Bell, does something that no VTVM can do: measure (DC) voltage while presenting absolutely *no* load on the circuit being tested.

Marconi TF1370 Wide-Range RC Oscillator. Another Andy Bell. It goes from 10Hz to 10MHz, and below 100kHz it can put out up to 30V of either sine or square wave. Anyone have a manual?

Radios:

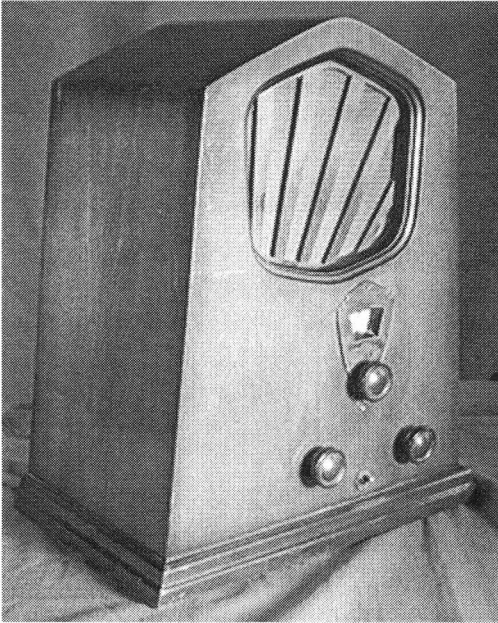
Zenith D7000Y Transistor Trans-Oceanic.

Kolster K-130. 1932 — 9-tube superhet console from a yard sale. Uses 50-series 2.5V tubes; has a Tune-A-Lite, which is no doubt dead.

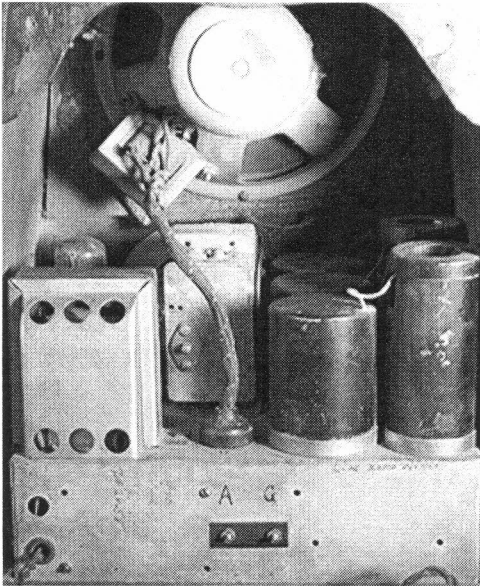
Philco 116. 1935 — 11-tube superhet in a big, shouldered tombstone cabinet. It has four bands and a shadowgraph, and uses 70-series 6V tubes.

Another Long Radio

by Jay Johnston

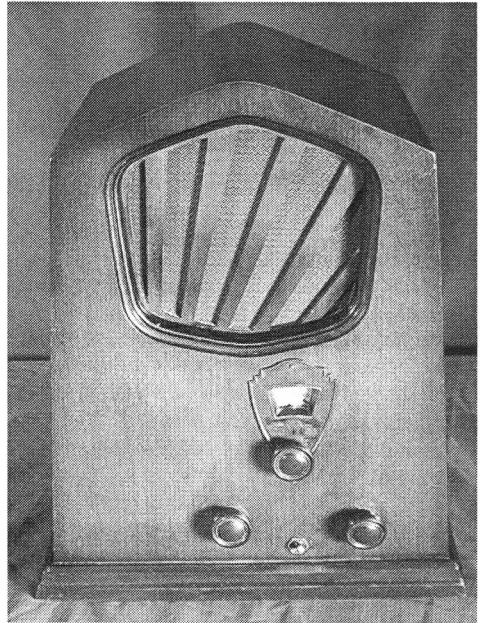
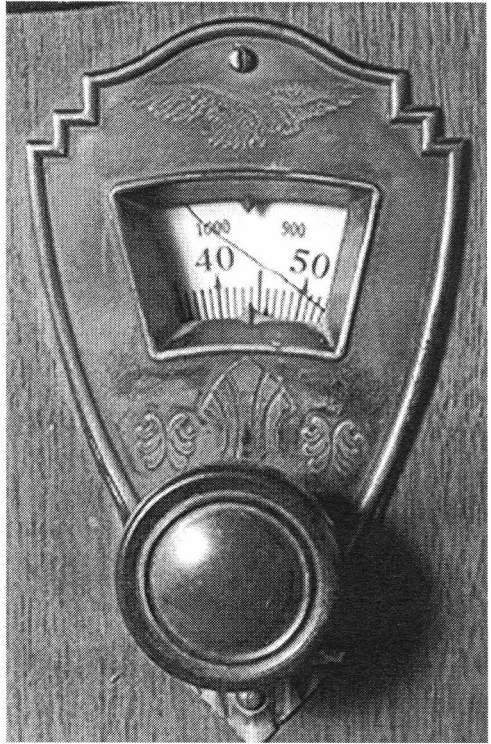
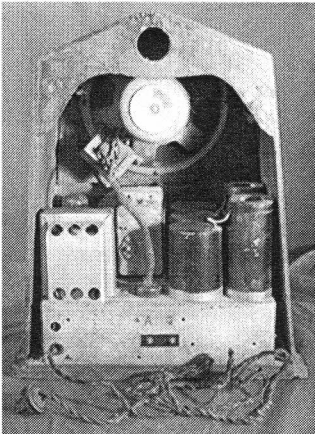
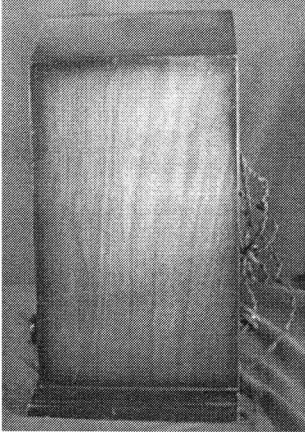


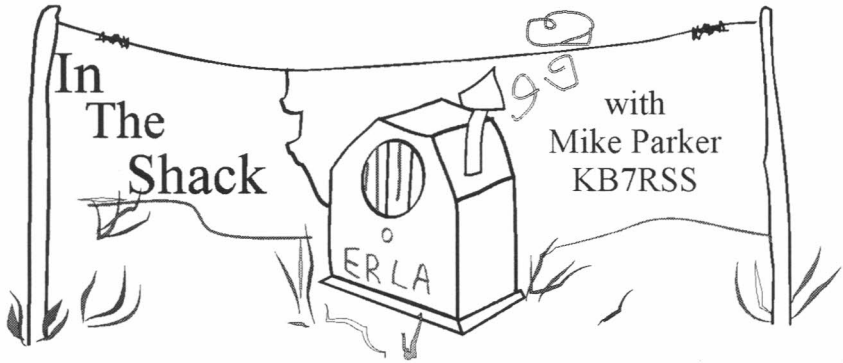
I acquired this radio from an antique store in SE Portland. The seller said he bought it from an estate in Dairy Creek (a small town about 5-10 miles from the Long brothers' farm). Its only identifying mark is the name "Long Radio Works" written in ink on the back of the chassis. This fact, combined with the seller's obvious knowledge of Art Redman's recently-published article in *Antique Radio Classified* about the local manufacturer made me suspicious of a counterfeit.



I determined that it was, indeed, a genuine Long because the tuning dial/indicator assembly appears to be identical to the one on Jerry Talbott's Long tombstone (featured in the ARC article and *The Call Letter*). Art Redman also confirmed that the wings seen on this set's knobs are the same as those on a Long tombstone he repaired 20 years ago.

This radio's cabinet is sturdily-built, and the rounded peak-top employs clever woodworking. The tube complement consists of a pair of 24's, a 27, a 45, and an 80. The speaker is a Lansing Electro-Dynamic, with a field coil (no permanent magnet). It was manufactured sometime between 1930-1934 by Lansing Mfg. Co. The Los Angeles-based firm was Jim Lansing's first company, before Altec Lansing, JBL, and his entree into PA equipment.





Editor's note: This "In The Shack" article is from the April, 1995 Call Letter.

This article is a continuation of last month's topic: Restoring and replacing audio transformers in 1920's Radios. Here is some new information I have received concerning the practice of fusing or "Zapping" open audio windings, with high voltage current.

A friend of mine, H.K. Fredrickson, VA3HKF, of Kember, Ontario, Canada was advertising in A.R.C. for two "NATIONAL" brand audio transformers. They were original equipment on his scarce OPERADIO portable radio of 1923. I had two of the nickel plated beauties for sale cheap. They both had open windings.

He bought them from me anyway and later wrote that he had restored a broken winding in one of them with his "Zapper" recently. I wrote and asked about it and he sent me a description and the schematic he used to build the device. Here is a description of the "Zapper" and the schematic. Credit is due to Robert Lozier, who designed the circuit.

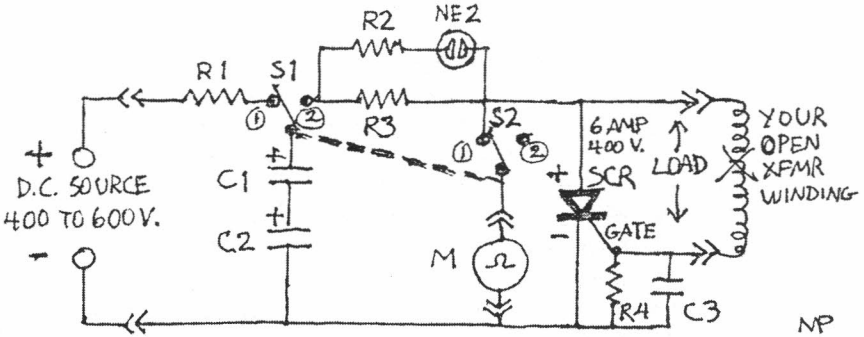


An Automatic Circuit for Welding Internal Wire Fractures in Audio Transformers

There seem to be two distinct types of failures in the old audio transformers. Corrosion forms at the solder connection between the end of a winding and the heavier wire used to bring the connection outside the transformer. There appears little that can be done to repair these failures if the junction is buried in the transformer. The other type of failure occurs when one small spot of corrosion appears within a winding or a wire fractures due to temperature changes. In this case, it is often possible to create an arc at the break in the winding. If things go well, a molten copper bridge will form at the break and the winding will be repaired.

It is easy enough to apply a sufficient voltage to make this bridge; but it usually results in too much power being dissipated at the break and after a few milliseconds the copper or carbon begins to burn away, causing the break to open again before power can be removed.

It, therefore, becomes necessary to provide an electronic circuit that can turn off the power instantly after the bridge is formed. Fortunately, this can be done very easily with a simple SCR circuit. When current begins to flow in the winding being repaired, this provides a trigger current to the SCR which causes the SCR to conduct and dump the remaining energy in the capacitor. The neon lamp tells you if the winding is drawing current. The DPDT switch permits you to make a test and then instantly check the winding with an ohmmeter to see what progress has been made. The 400 to 600 volts DC can come from any source.



Automatic Coil "Zapper" designed by Bob Lozier

List of components used in the schematic:

- C1, C2-47 mfd./450 Volt Electrolytic capacitors
- C3,- .1 mfd/450 Volt Electrolytic capacitor
- M- Testing meter (Volt-Ohmmeter)
- NE 2-Neon lamp for current check
- R1-Resistor, 1000 ohm, 1 watt
- R2-Resistor, 27,000 ohm
- R3-Resistor, 270 ohm
- R4-Resistor, 100 ohm
- SCR-Silicon Controlled Rectifier, 400 Volt, 6 Amp
- S1-Double Pole Double throw (DPDT) Switch, 450 Volt rated. Pole No. 1
- S2-Pole No. 2 of above switch.
- Position No. 1 is "Charge" mode.
- Position No. 2 is "Discharge" mode.
- Dotted line indicates DPDT switch is ganged.

As stated before, working with these high voltage circuits must be done with EXTREME CAUTION! Know where the high voltage is at all times and if in doubt, use ONE HAND to make any live contact with the energized device and sit on your other hand or at least, keep it away from ground..... We want to see you at the next NWVRS meeting!

See you next time "In the shack".....

73's Mike Parker

Swap Shop

FOR SALE: Thousands of tubes, hundreds of radio parts, panels, meters, surplus, etc. R5-D3 electronic surplus, Bob Lee, 9770 S.E. Stanley Ave., Milwaukie, OR 97222, (503) 513-0410

FOR SALE: *The following Zenith consoles:
 Zenith 1941 # 12S569 (Shutter Dial) \$500.00
 Zenith 1942 # 12H670 (Newport) \$500.00
 Dick Bosch, Ph. 360-693-3482

FOR SALE or TRADE: **1929 Freed NR-55 eight tube (high boy?) console. Cabinet is very nice. The radio works but needs either the power transformer replaced or an additional high voltage transformer added. (One leg of the high voltage output is open.) Tubes are type 26 x 3, 27 x 2, 71A x 2 and 80. All are globes except one. Photos e-mailed upon request. \$135.00 or trade? Vance Daberko, Corvallis, OR (vdaberko@fastmail.fm) 541-753-3356

Radio Service

These members have indicated they are willing to perform radio repairs:

Roger Brown – (503) 693-6089

Blake Dietze – (360) 944-7172, wb6jhj@ix.netcom.com

Tony Ranft – (360) 944-8489 or ranft@saw.net – General repairs.

Dave Wise – (503) 293-7835, david_wise@phoenix.com

If you are willing to repair radios, give your name, phone and/or e-mail, and any comments to the *Call Letter* editor.

The Northwest Vintage Radio Society is not responsible in any disputes arising from services provided by members listed here. By common agreement of the board of directors, the buyer assumes all responsibility for the satisfaction of any transaction.

Leads and Needs

Questions about restoration of vintage radio? Visit radiolaguy's web site often for this information plus lots of other interesting displays, photo's, virtual museum plus lots of other information on vintage radio and television. Oh, yes, there are items for sale as well and NVRS members get a substantial discount on most of these items. Thank You, Sonny the Radiola Guy
 Visit my vintage radio web site: <http://www.radiolaguy.com>

Member Information

Just in case we don't have your most current member information, please take the time to send the information requested on this form.

Name*:

Mailing Address*:

City, State, ZIP*:

Ham Call Sign:

E-mail:

Check here if you'd like to be added to the Yahoo e-mail list.

Phone:

Collecting Interest (e.g. Battery sets, consoles, clock radios, etc.):

*Information we must have to be able to send you your Call Letter. The rest is optional, but we hope you'll share it with other club members.

Mail this sheet (or something like it) to Rick Walton at the society's mailing address:

The Northwest Vintage Radio Society

Post Office Box 82379

Portland, Oregon 97282-0379

or e-mail the information to rwalton@easystreet.com.