



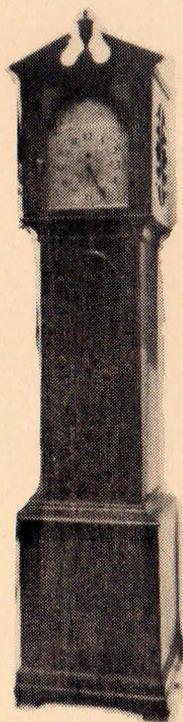
CALL LETTERS

VOLUME 15

OCTOBER 1989

NUMBER 10

**General
Electric
K-82**



CALL LETTER

The Northwest Vintage Radio Society is a non-profit historical society incorporated in the State of Oregon. Since 1974 NWVRS has been dedicated to the preservation and restoration of Antique Radio & Wireless apparatus.

The Northwest Vintage Radio Society meets at the Buena Vista Club House (Atkinson Park) 16th & Jackson Street, Oregon City, Oregon. (Note: take Washington St. to 15th, up 15th hill to Jackson, turn left to 16th).

Meetings are held at 10:00 AM on the Second Saturday of each month except for summer vacation in July and August.

The meetings are an opportunity to exchange information and advice.

Annual Dues:

Regular Membership \$15--

Associate Membership \$12--

Renewals are due on January First

1989 NWVRS OFFICERS

PRESIDENT	DAN HOWARD	503-761-7799
VICE PRESIDENT	ART REDMAN	503-774-9913
TREASURER	ED CHARMAN	503-654-7387
SECRETARY	NORRIS JACKSON	503-642-5625

NWVRS Mailing Addresses

Membership Applications & Renewals:

Northwest Vintage Radio Society

P.O. Box 82379

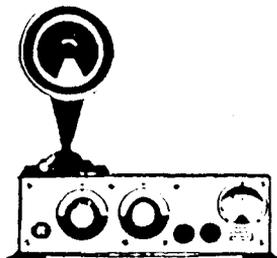
Portland, Oregon 97282-0379

All Newsletter Business/Information:

Call Letter

4041 NE Wistaria Drive

Portland, Oregon 97212-2963





Contents



<u>ITEM</u>	<u>PAGE</u>
General Electric K-82	1,4
Introduction	2
Contents	3
Atmospherica by Tom James (Jan.'81)	4
Where Did You Find All These Radios	5
Inverse Feedback In 1946	6,7
P S A R A Meeting Minutes	8
P S A R A Coming Events	9
P S A R A Swap Meet Photos	10,11
N W V R S Meeting Minutes	12
N W V R S News	13
Swap Shop	14,15
Ole!	16
Sonny's Tech Tips #1	17
"I'd Like To See a Radio, Please"	18
Advertising (Call Letter)	19
General Electric K-82 (HOP)	19
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The CALL LETTER and The HORN OF PLENTY are published monthly as the official publication of the Northwest Vintage Radio Society and the Puget Sound Antique Radio Association. The Call Letter and The Horn Of Plenty are available only as part of the NWVRS/PSARA memberships. NWVRS/PSARA are not responsible for any buying /selling transactions incurred, or for any other use of the contents of this publication.





ATMOSPHERICA

By *TJ*

Paradosophy

Filters get old and leaky, son,
They are like a worn out cask,
They drizzle all the juice away--
And don't perform their task.

If the plates should come together;
If opposite plates should touch,
Their function as a tuning gang
Is most certainly not much!

If you strain the by-pass kind, with
Too much electro-motive force,
It will burst them rascals open---
They are then no good, of course.

Then again, if your couplers leak
And positive goes your grid,
The tube will behave iffily
And your hi-fi take a skid!

You can't get on without them, son,
If you'd make those radios run;
They didn't in nineteen-twenty two--
Not even in eighty-one!

** ** * * * * *
* * * * *

Mamma Goose # 7

Jack and Jill went up the hill
To string the aerial straighter.
Jack fell down upon the ground
And broke his insulator!

On the cover this month is
Doug Davee's G.E. Clock Radio.
The Powertone Featured last month
is from the collection of Sonny Clutter.



Where Did You Find All These Radios?

By Dick Howard

When we have visitors, two questions are always asked -- the first, "How much are these things worth?" -- sets my teeth on edge and is tactfully ignored, but the second, "Where did you ever find all these radios?" always evokes pleasant memories and many chuckles.

One that comes to mind goes back to my school days when I haunted the old Hyland and Cameron book stores on Fourth Avenue in downtown Portland. Housed in broken-down buildings, they gave way to "progress" and a thirty-story office building twenty or more years ago. In the "good-ol'-days", you could find lots of red-covered QSTs for a dime or so at Hyland's and maybe a nickel at Cameron's, just right for a school boy's budget.

But what caught by eye was on the back cover of a catalog out of Allied Radio in Chicago. At first glance it looked like a classic Hallicrafter SX-88 -- but it wasn't. Instead it had a picture tube - of course it was Halli's little gem -- a 7" push-button TV set that even had channel 1!

Where would a fourteen year old find the money -- or the set, for that matter? And what do you do with a Television in a town like Portland? Except for KRSC on Channel 5 in Seattle, the nearest station was 700 miles away!!

Thirty years later I ran into my friend Colin who had just returned from a convention in Los Angeles. "Look what I brought back," says he. Of course it was that Hallicrafter TV. Thirty years had not dimmed my interest. "I held the stupid thing on my lap all the way home and I'm not sure why," Colin complained.

"Do you want to get rid of it?" I hoped. He had me and he knew it.

"Well... I would consider a trade," he countered. "You see there is this receiver I've always wanted... an RME 4350... clear back when I was a kid...!" (Dejavou!)

"OK," I promised. "Some how I'll find one."

I'd never seen a 4350 but I had to have that TV set, so I had to have and RME 4350.

A year or two passed and then, as one of the NWVRS swap meets was winding down, a young guy named Bill wandered in and asked me if anyone in our club ever collected ham gear. He just happened to want to unload an old set from his uncle's attic. Need I continue? Money changed hands forthwith and that afternoon Bill arrived at my house. That set was pristine!!

The next day Colin brought over my Hallicrafters and lovingly carried off the RME. I've never seen another RME 4350 but I sure like that television!

If you have an anecdote about a favorite acquisition why not share it? Contact Ed Buhite, NWVRS Call Letter editor.



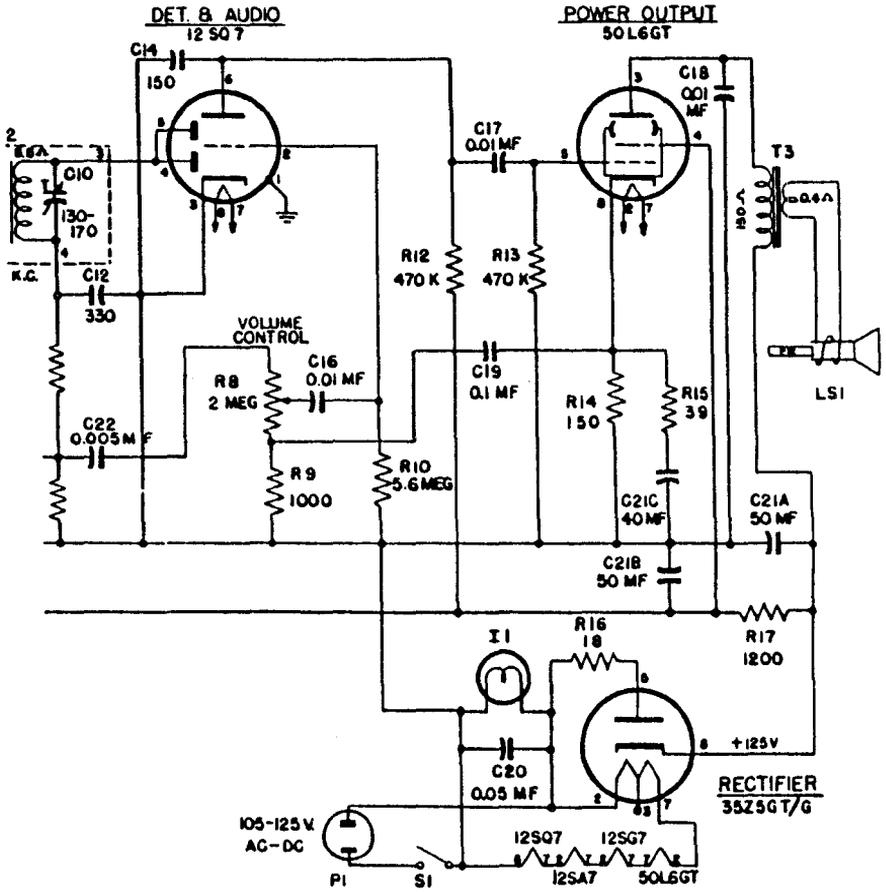
Inverse Feedback in 1946

by Matt Thornton

Just before WW2 a neat book called "Radiotron: the Designer's Handbook" was published by an Australian electrical engineer. At least two much needed circuits were described. One was the electronic phase inverter that avoided use of an audio transformer. The other was inverse feedback. Nowadays designers of operational amplifiers take inverse feedback for granted. In those days it was a new idea.

While repairing a General Electric Model 100 I noticed that it had a somewhat clever use of inverse feedback. If you look at the schematic you will see R15, a 39-ohm resistor in series with the cathode bypass capacitor. What that does is allow a small audio voltage (39 over 150 times the amount it would be if unbypassed) to be fed through C19 to R9. C19 and R9 form a high-pass filter so that the feedback starts at about 150 Hz. Thus whatever bass the speaker may get is not attenuated and the higher audio is cleaned up. This is a very cost-effective circuit: two half-watt resistors and a 0.1 microfarad capacitor with low voltage rating. The 50L6 output stage is about 75 per cent bypassed, which is better than most.





PSARA MEETING MINUTES

Seattle, Washington September 17, 1989

This meeting was attended by 29 Members and 6 Guests, 5 of which were voted in as Members (see: New Members).

OLD BUSINESS: There are still five club members who did not pick up the printed material which they ordered in January from Art Corbus. There are also four name tags to be picked up, see new club secretary Frank Banks. The RM20's Books are in and may be picked up from new Treasurer AL Atworth. A donated copy of ARRL's 1961 Handbook was added to the club's library. Walt Kiefner mentioned ways to improve advertising our annual swap meet by utilizing the broadcasting media in better ways.

NEW BUSINESS: Club Officers Election: Nominated for President: John F. Schneider, Voted, Accepted. Nominated for Vice Pres: Jerry L. Cappoen, Voted, Accepted. Nominated for Treasurer: AIG. Atworth, Voted, Accepted. Nominated for Secretary: Frank Banks, Voted, Accepted. Nominated for Museum Curator: Lee Williams 7 Votes, Ken Korhonen 15 Votes, Accepted.

Bert Whitaker Motioned and Ken Lamond seconded, that a volunteer position for procuring refreshments for the monthly meetings, be established; the person doing this job will be given a free annual club membership, (modeled after NWVRS, Portland). Voted on and carried. There will be no further coffee and doughnuts until this position is filled.

Meeting adjourned.



Max A. Kaplan, PSARA Secretary (out going)

PSARA WELCOMES NEW MEMBERS

Warren Dopps, Jim McCall, Dale Werries, Richard Gerlt, Pete Peterson, Arthur Strahon, Pete Robb, John Hoffman, Steve Berglund, Richard & Francine Bell, Doug Bell, John Koster and Bob Walter.

ANNOUNCEMENT ("LEAD")

CHRS Radio Sale October 14, 1989. 9-11 AM at 438 York Drive Benecia, California.



PSARA COMING EVENTS

Shoreline Museum Seattle, Washington

October 15, 1989

11:00 AM Members Swap Meet

1:00 PM Business Meeting.

Presentation The Marconi Scandal by Al Odmark

November 19, 1989

11:00 AM Members Swap Meet. Annual Contest, Details Next Month

December 10, 1989

11:00 AM Members Swap Meet.

1:00 PM Business Meeting. Presentation Open.

For additional PSARA information contact:

Max Kaplan 206-851-4187

14902 84th Ave. Ct. NW.

Gig Harbor, Washington 98335

PSARA Annual Contest

November 19, 1989

EDITORIAL

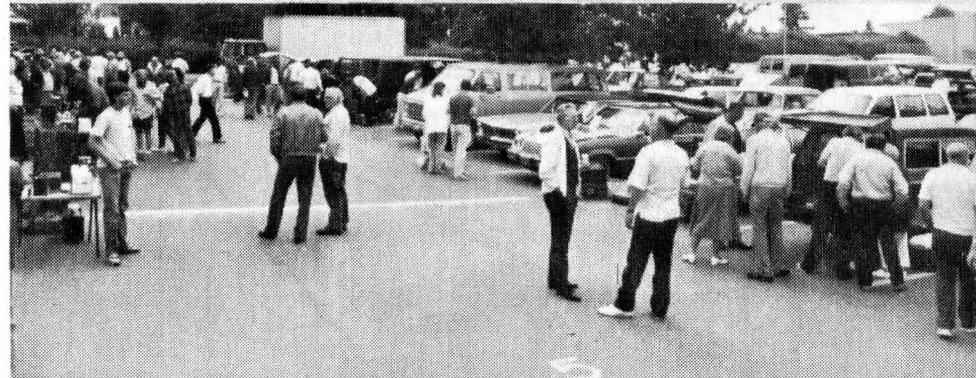
We thank the outgoing PSARA officers for a job well done. Max provided the minutes, ads etc. each month. Matt has written many articles in addition to taking care of the finances. Bert supplies the mailing labels. Jerry provided much needed information and leadership.

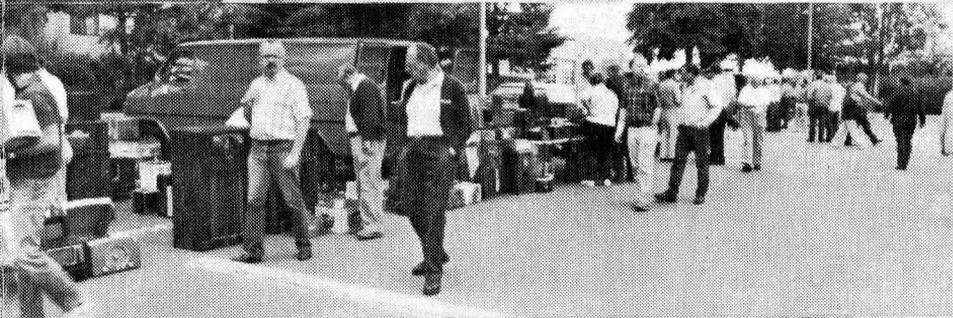
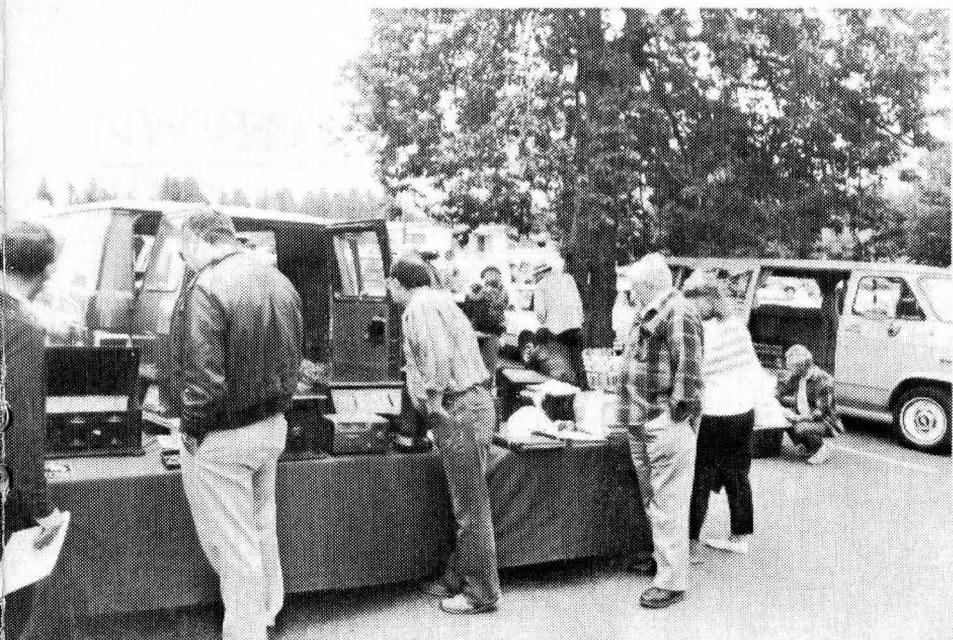
EJB



PSARA Swap Meet

August 20, 1989
Photographer.
Ken Korhonen





NWVRS MEETING MINUTES

Oregon City, Oregon September 9, 1989

The September 9th 1989 meeting of the NWVRS was called to order at 10:11 by President Dan Howard. The Treasurer's report was given and accepted with a current balance of 2006.56. New members and visitors were welcomed; John Otterstedt, Kim Brickman, Steve Neal, Robert Johnson (CHRS Archivist and Chairman of the Board), Jack Sweet, Jerry and Nick Brannon and Steve Bafus.

OLD BUSINESS: Nominations for 1990 club officers will be accepted during the October meeting. Edwin Buhite would appreciate any Call Letter contributions and assistance with production.

NEW BUSINESS: October's Meeting activity includes a 7 category contest. The Categories are: Crystal Sets, Speakers, Battery Sets-3 Tubes or Less, Battery Sets-4 Tubes or More, Cathedral & Tombstone, Portable and Radios from Phillip Collins "Radios The Golden Age". Members are allowed one set per category. The contest committee retains the right to rule on the suitability of any radio for the category that it is entered in. Any set not properly categorized in the opinion of the judges, may be disqualified. Contact Jerry Talbott if you are interested in displaying your radios at the fall car swap and flea market at the Portland Expo. Members are reminded to submit 5% from their auction proceeds to the club Treasurer, Ed Charman. Copies of the club by-laws will be distributed among club members. Volunteers are sought to review the by-laws and discuss how we are currently following them.

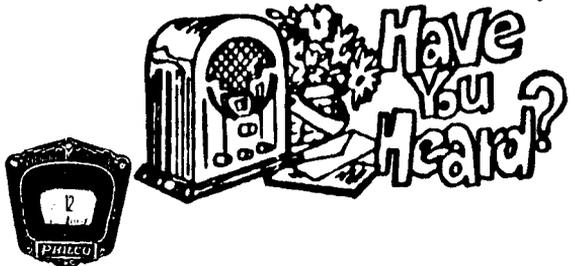
LEADS & NEEDS were given. MEETING ADJOURNED.

Norris W. Jackson

Norris W. Jackson, NWVRS Secretary

**NWVRS
Swap Meet**

November 11, 1989



NWVRS News

By Dan Howard

Contest in October

NWVRS members are invited to "bring out their best" for the contest which will follow the regular October business meeting. The categories for this year's contest will be:

Crystal Sets, Speakers, Battery sets - 3 tubes or less, Battery sets - 4 tubes or more, Cathedral and Tombstone radios, Portable radios, Radios from Philip Collins' book "Radio the Golden Age". Each member may bring one set for each category. Prizes will be awarded according to membership voting as has been the practice in the past. In

the event of a tie, duplicate awards will be issued. Sets which have won in the past are not eligible to compete. The contest committee retains the right to rule on the suitability of any radio for the category that it is entered in. Any set not properly categorized, in the opinion of the committee, may be disqualified.

NWVRS to participate in Auto Show

The NWVRS has been invited to put on a display at this year's Northwest Car Collector's show and swap meet. The show will run all day Saturday and Sunday, October 14th & 15th at the Portland Expo center. Several Society members will be participating in, what should be, a very interesting display. When you come out, (after our business meeting, of course) look for our display near the center of the large exhibit hall.

New NWVRS Members

The NWVRS welcomes new members Steve Bafus of Portland, Robert Schaeffer of Aumsville, OR and new associate member Harold Evertson of Tumwater, Washington. We also welcome back Frank Plaisted and Kim Brickman.

Each month many of our pages are printed by Dick Karman on his NEC Laser printer. Thanks, Dick for the many hours of work and fine Job done on printing our originals

EJB



SWAP SHOP

WANTED

SPEAKER for Radiola 60: octagon shaped shaped with tapestry and flowers (Radiola 103). 4 brown knobs 3/4" or 1" dia 1/4" shaft for Crosley 515 or similar. 5' cloth AC line cord **George W. Pack** phone collect 604-325-7477. 1448 E. 62nd Ave Vancouver B.C. Canada V5P 2K7

I.F. TRANSFORMER for Majestic (Grigsby-Grunow) Model 15. **Steve Berglund** 206-246-8045. 617 SW 146th Seattle, Washington 98166.

SAMS Photofacts 1-50, 61-70, 81-100; Sams AR4 & AR5; Sams DC2 dial cord stringing guide. **Al Lemke** 206-868-8165. 10004 206th Ave. NE Redmond, Washington

AMPLION Horn Speakers: Dragon, Concert Dragon, Junior DeLuxe & New Junior DeLuxe. Grebe RORK Amplifier. **Edwin Buhite** 503-288-9727. 4041 NE Wistaria Dr. Portland, Oregon 97212.

RCA Victor RAE79 (1931-32) or a Victor 9-56 (1929). **Jim Clark** call collect 517-349-2249. 1292 Starboard Okemos, MI 48864.

SPEAKER for Atwater Kent 40 in good condition. Atwater Kent Horn Speaker. **John Otterstedt** 503-244-6571 5530 SW Martha Terrace Portland Oregon 97201.

ARCTURUS blue tubes 80, 171A, 126; Riders Vol. 1-5 **Ken Lamond** 206-833-1141. 1902 R St. NE Auburn, Washington 98002

CROSLEY 59 chassis (1930); Blue O1A; catalin and other interesting radios; pre-1950 TV Sets & literature; Emerson 7" TV; Sky Chief radios; Philco Predicta Tandem parts or junker. **Ken Korhonen** 206-932-9363.

GRUNOW 801A radio; 7189 & 7591 tubes; 1940 Chev. radio. **Darrell Forsberg** 206-363-0754.

SHORTWAVE Receivers, Converters & Preselectors: late 20's to mid 30's, US & European, no home made sets. **Max A. Kaplan** 206-851-4187.

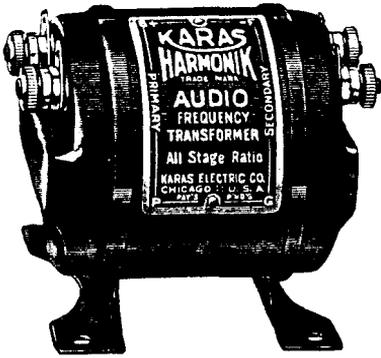


SWAP/SELL

PHILCO 51-B escutcheon plate & screws, sell or swap for Jackson Bell 60 escutcheon plate or will buy same. **Jim Broeffle** 503-479-3607. 1138 SW Ballinger Grants Pass, Oregon 97526

FOR SALE

TUBE display unit Rotates & has center light \$20--; Early TVs: 12" Crosley, 16" Muntz, 20" Sylvania Halo light, 8" Westar (Jap copy of '56 RCA). Best offer **Jerry Talbott** 503-649-6717. 1440 SW 239th Hillsboro, Oregon 97123



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OPPERMAN RADIO SHOP

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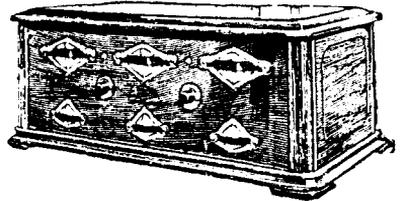
PORTLAND'S OLDEST DISTRIBUTOR
OF RADIO SETS
Now Selling

GREBE

—AND—

KOLSTER

See Them at Our Booth—Get a Catalogue



Some Dealer Territory Open

Ads provided by: Richard Havens



Olé! (acquisitions)

Dan Howard

Traveler 5055 white with Blue grille knobs
Red GE Clock radio 517F
Garod purple portable 5D-5
1941 GE 250 portable
1955 Remco Electronic Radio Station
1950's Encore radio

Max Kaplan

Philco 89 Dome Top
Troy 444 Midget TRF
1955 Grundig 4004

Walt Kiefner

Mitchell Lumitone lamp radio
Mastercrafters Melody Cruiser
GE L572 catalin
Truetone metal deco set
1929 Crosley Showbox metal console cabinet (need chassis)
Silvertone Neutrodyne Battery set

Art Redman

1942 Philco A-801 Chair side/bookcase.

Jerry Talbott

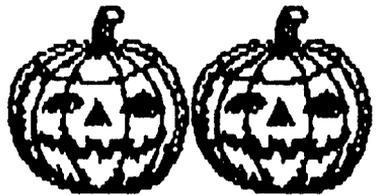
1937 Emerson R150 small Tombstone
1938 Crosley 1117 Console 11 tube
1949 Arvin 450T Black Bakelite Deco

Dick Karman

RCA Radiola 18 (sorry no dial hood)

BOB WALTER

1929 Kolster K44 Console



SONNY'S TECH TIPS #1

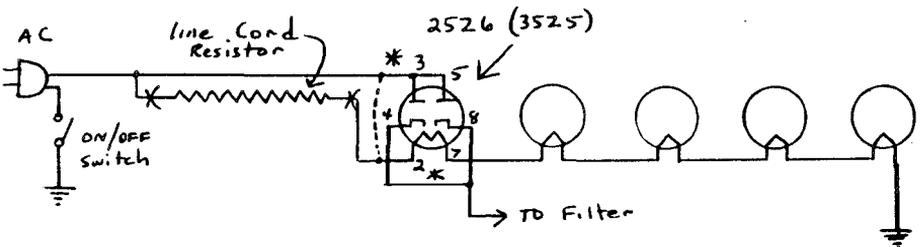
SERVICING 30'S AC SETS WITH RESISTANCE LINE CORD

by Sonny Clutter

Having a hard time finding a usable resistance cord? Not enough room inside to install a dropping resistor without melting the cabinet? Well, at least on some sets I have simple solution for you. Lets take a typical 5 tube set using the following tube lineup: 25Z6, 25L6, 6Q7, 6A8 & 6K7. If you total up the voltage it takes to operate these tubes wired in series (the 1st numbers of the tube is the voltage required to operate the heaters or filaments) it equals 68 volts. Since the line voltage is 120 volts we need to drop about 50 volts. This is what the resistor in the line cord does.

In most sets we can completely eliminate a resistance cord and the need for a dropping resistor by simply changing the tubes to compatible ones with a higher heater (filament) voltage. For example: sub the 25Z6 with a 35Z5, 25L6 = 50L6, 6Q7 = 12Q7 and so on. It is important to make sure all the new substitute tubes have the same heater current rating. Current ratings and other data is easily obtainable from a tube manual.

The above modification requires no circuit changes except a jumper wire in place of the line cord resistor. See diagram.



TYPICAL WIRING DIAGRAM

- * WHEN SUBSTITUTING A 25Z6 WITH A 35Z5 AND CHANGING THE TUBE LINEUP, ADD A JUMPER WIRE FROM PIN 2 TO PIN 3 OF THE 25Z6 (35Z5) This is the only change needed except the tube substitutes.



"I'd Like To See a Radio, Please"



The RCA Victor Magic Voice has even broken into the newspaper cartoons. This one is reproduced through the courtesy of the Philadelphia Record and Consolidated News Features.

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