

The
**Call
Letter**

January, 2004
Vol. 30 — No. 1



Almost **30** years in print!

The Northwest Vintage Radio Society

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 \$20.00 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).

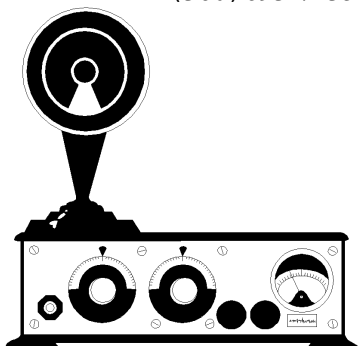
Other Society functions include guest speakers, auctions, radio show, and radio sales which are advertised in the *Call Letter* and are held in and around Portland.

Society Officers for 2004:

President	Cliff Tuttle	(503) 666-7005
Vice-President	George Kirkwood	(503) 648-4809
Treasurer	Ed Charman	(503) 654-7387
Secretary	Tony Hauser	(503) 397-0074
Board member at large	Wendy Johnson-Kent	(503) 281-9335
<i>Call Letter</i> Editor	Rick Walton	(503) 284-5648
Librarian	John Bucholtz	(360) 693-7135

The Society’s address is:

The Northwest Vintage Radio Society
Post Office Box 82379
Portland, Oregon 97282-0379



January 2004

Table of Contents

From the Editor2

Roster Corrections2

NWVRS 2004 Calendar of Events2

Northwest Vintage Radio Society Meeting Minutes4

NWVRS.org Returns to the “Air”5

Mouse Clicks5

Photo Display.....6

He Guards His Secret.....8

Cub Scout Book One-tube Set.....10

Swap Shop12

On the cover: Our cover this month is the artwork from the January, 1926 issue of *Radio* magazine. This picture was taken from an eBay auction some time back, and required a fair amount of adjustment in my photo editing program to make it presentable.

The next meeting is on January 10, 2004.

Annual dues are due!

January Feature:

Home-made tube radios including pre-WWII kits.

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

February Call Letter Deadline: February 3, 2004.

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

Happy New Year, everyone! It has been an exciting holiday for me and my family because we have had both daughters home filling the house with their mirth. There hasn't been a whole lot of opportunity for thinking of radios, but there is a whole new year ahead.

One nice Christmas gift that came my way for your benefit was another set of historical articles submitted by Art Redman. This set of articles involves the beginnings of television in Portland, with the earliest being from the early part of the century. I'll be including those articles in the *Call Letter* over the next few months.

This month's Photo Display features pictures from the society's Holiday Party held at the Salvation Army Rose Center. Those who did not attend missed a great time and lots of wonderful food. George Kirkwood surpassed himself with the decorations and the meatballs, which, along with all the dishes brought by members, made for quite a feast. As you can see in the pictures there were quite a few spouses in attendance, which is always a nice occurrence.

If you were in the Cub Scouting program in the '50's (like I was) you'll remember the one-tube radio instructions, reproduced on page 10, from the Bear book of that period.

Roster Corrections

Jerry Talbott
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Newberg, Oregon 97132
(503) 538-4041
vinradio@easystreet.com

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NWVRS 2004 Calendar of Events

- January 10** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- February 7** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- February 21** Salem Hamfair, Salem Repeater Association,
Polk County Fairgrounds, Rickreall, OR
<http://www.qsl.net/w7sra>

- February 28** Hamfest, Naval Postgraduate School ARC, Seaside (Monterey), CA <http://www.radiofest.org>
- March 6** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- March 6** 23rd Annual Electronics Show & Fleamarket, Mike and Key ARC, Puyallup, WA. <http://www.mikeandkey.com>
- April 10** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- April 17** Yakima Amateur Radio Club W7AQ Hamfest 2004 Selah Civic Center, Selah, WA. <http://eagle.ykm.com/~W7aq/hamfest.html>
- April 24** Hamfest, Snake River ARC, Caldwell, ID
Contact: Ralston "Scotty" Scott, W5RWS
208-466-3155
- May 8** NWVRS Spring Swap/Sale at Salvation Army Rose Center.
- May 10** Hamfest, Stanwood-Camano ARC, Stanwood, WA.
- June 12** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- June 18-20** SEA *PAC, Northwestern Division Convention, Seaside, OR Oregon Tualatin Valley ARC <http://www.seapac.org>
- July 16-18** Glacier-Waterton International Peace Park Hamfest July 18-20, 2003, East Glacier, MT. <http://www.gwhamfest.org>
- TBA** Pacific Northwest DX Convention, Portland, OR. Willamette Valley DX Club <http://www.wvdx.org>
- August 14** Hamfest, Radio Club of Tacoma, Spanaway, WA <http://www.w7dk.org>
- September 11** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- October 9** NWVRS Fall Swap/Sale at Salvation Army Rose Center.
- November 13** NWVRS monthly meeting 10 am; tailgate swap 8:30.
Nomination of officers for 2005.
- December 11** NWVRS monthly meeting 10 am; tailgate swap 8:30.
Election of officers for 2005. Annual Holiday Party!

Northwest Vintage Radio Society Meeting Minutes

Tony Hauser for Liles Garcia

President Cliff Tuttle called the December 13th meeting to order at 10:06am.

Cliff complemented Rick on the Christmas edition of The Call Letter. The minutes of last month's meeting were then accepted as published in The Call Letter. Treasurer Ed Charman gave the Treasurer's report. Our balance at the meeting was \$475.46.

Cliff thanked Jeff Martin for the use of the Salvation Army Rose Center for the meeting and Christmas party. There were no reports on the Call Letter or library, however, Jerry Talbott reported that a copy of the new Alan Douglas book on collecting tube testers and test equipment has been purchased for the library.

Good & Welfare:

Cliff reported that James Ellsworth has cancer and asked members to keep him in their prayers.

Old Business:

The club website is still down but should be up in a couple of weeks. Rick reported that some members still cannot log on to Yahoo groups, but he is hopeful that he will be able to find a new hosting service for the club's email group.

New Business:

Vice-President George Kirkwood reported that two men tried soliciting Ken Smith, in Eugene, for donations to the NWVRS. Ken realized immediately that these men were not sincere and sent them on their way. George asked that all NWVRS members be wary as this may happen again.

Leads & Needs:

- Rudy Zvarich needs "lots" of 6DJ8's
- Robert Robinson needs an FM1000 tube
- Larry Tobkin needs knobs for a Crosley console model 03CD
- Blake Dietze will be bringing 1000 dial springs to the January meeting

George announced that next month's feature will be pre-war home-made or kit tube radios.

Cliff adjourned the meeting at 10:23 and the Christmas party began.

NWVRS.org Returns to the "Air"

Compiled from e-mails sent by Dave Brown

Folks, I have some very good news.

Because of dogged determination with perseverance (with mystery, intrigue and even an opportunistic extortionist thrown into the fray) I can now announce that our web site <http://www.nwvrs.org/> is back in action!

This is one fight I'm glad is concluded.

Don't be too concerned if the NWVRS.ORG web site doesn't come up right away. The DNS changes have been made and they may take as long as a couple days to percolate through all of the servers on the Internet.

Mouse Clicks

by Ron Hershey

This month's featured web sites deal with crystal radio construction.

- Scott's Crystal Radios. Also includes headphone info.
<http://members.aol.com/scottswim/index.html>
- An FM Crystal Set
<http://www.vacuumtubesinc.com/info8.html>
- Crystal Radio Theory
<http://www.connix.com/~harry/drcrystl.htm>
- The Crystal Set Society
<http://www.midnightscience.com/>
- Crystal Radio Resources
<http://www.thebest.net/wuggy/>
- Build Your Own Shortwave Crystal Receiver
<http://antiqueradio.org/econmain.htm>
- HF Crystal Radio Receiver
<http://www.vintagehamradio.com/crystalradio/defaultwe.html>

Photo Display

Photos by Rick Walton and Blake Dietz





He Guards His Secret

From The Oregonian of September 19, 1904, Page 10.

Submitted by Art Redman

Inventor of Seeing Telephone Will Not Show Method

So Simple That One Glimpse Might Betray It. Will be Perfected and Put on Market

Guarded like a captive in the realms of the Turk J.B. Fowler keeps his "vision box" away from prying eyes of those who might steal his secret from him and rob of the distinction of having been the man who first discovered the way to transmit the lines of the human face along the cold lines of the telephone, wreath them from by the aid of the mystic electricity into their natural position and bring them in all their glowing colors and particular curves on the little lens before the eyes of the wondering and incredulous public. Mr. Fowler is not unreasonable, he is simply cautious. It is all so simple, that strange invention of his, that a short investigation would make it plain to any practiced eye and betray its secret to the world. Therefore, his friends are allowed to look at the outside of the magic box but not into the holy of holies, that little space where reposes 26 years of patient brain toil, no one is allowed to go.

Surmise is rife as to how; Mr. Fowler has been able to accomplish the long dreamed feat of transmitting and reproducing the form and likeness of objects both animate and inanimate over an electrified wire, but to all it is a mystery to which the inventor holds the key.

When Alexander Graham Bell first exhibited his model of the telephone in 1876, the performance of his instrument was as wonderful to the public, as the fact of being able to see over a wire is today. To be able to hear and recognize the voice of a friend coming from the end of a cold an unresponsive wire was then as great as an anomaly as it is now to see the likeness of a human face form and grow upon the lens of an electrified box.

As everyone knows the action of a telephone to reproducing the sounds of the human voice is due to the impact of the sound waves the delicate disc of the mouthpiece of the instrument, the transmission of infinitesimal vibrations by the electric current along the route of transmission wire to the second disc of the receiver from which the identical sounds introduced are given out. Stated differently, certain sounds are produced by certain definite and unchangeable wave disturbances in the atmosphere or in some other indefinable transmitting

medium. These waves, beating against the surface of the transmitting disc of the telephone produce exactly similar disturbances of the second disc, which in turn sets up the same disturbances of the atmospheric medium and reproduces the sound transmitted.

Similar lines of argument are followed by those by those who would attempt to solve the riddle of Mr. Fowler's invention. Color is produced by an infinite succession and variety of light waves. The representation of the human face or any other object is but a combination different colors and therefore of many and different waves of light. Therefore, it is possible to transmit the tones of the voice along with the wire because it is possible to find a disc delicate enough to record the disturbances in the medium, why is it not possible to a disc susceptible to the light waves that go to form and make up the lines of the human face or some inanimate object?

The method is simple in theory but the application of the principle is where the task becomes difficult. Mr. Fowler has solved the riddle but whether by disc or lens he will not say.

There is one thing that the inventor will say and that is that his invention is not connected with or any matter dependent on the telephone. It is a distinct and separate instrument, but seems to be a natural complement to the other instrument. It is natural in conversation to see the person to whom you are addressing your remarks and why should it not be the same when talking on the telephone?

Mr. Fowler will follow up his simple phone attachment by which the operator will be able to see the person with whom he is talking, and it will complete it and bring it up into use, for this he considers to be the thing of greatest moment at this time. After that phase of his invention has been perfected, he will take up all of the other branches, which spring from the first achievement. The attachment by which large scenes can be reproduced, as in the theater or prizefight or similar sights will be followed up and completed after the first has been proved to all to be a thing of staple worth.

Cub Scout Book One-tube Set

These are the instructions for a one-tube radio from the *Bear Cub Scout Book*, copyrighted in 1954 and printed in 1961. This book was for nine year-old Cub Scouts who had already achieved the Wolf rank. Radio is one of the electives a scout could work on in pursuit of the Bear rank.

HOW TO BUILD A ONE-TUBE RADIO

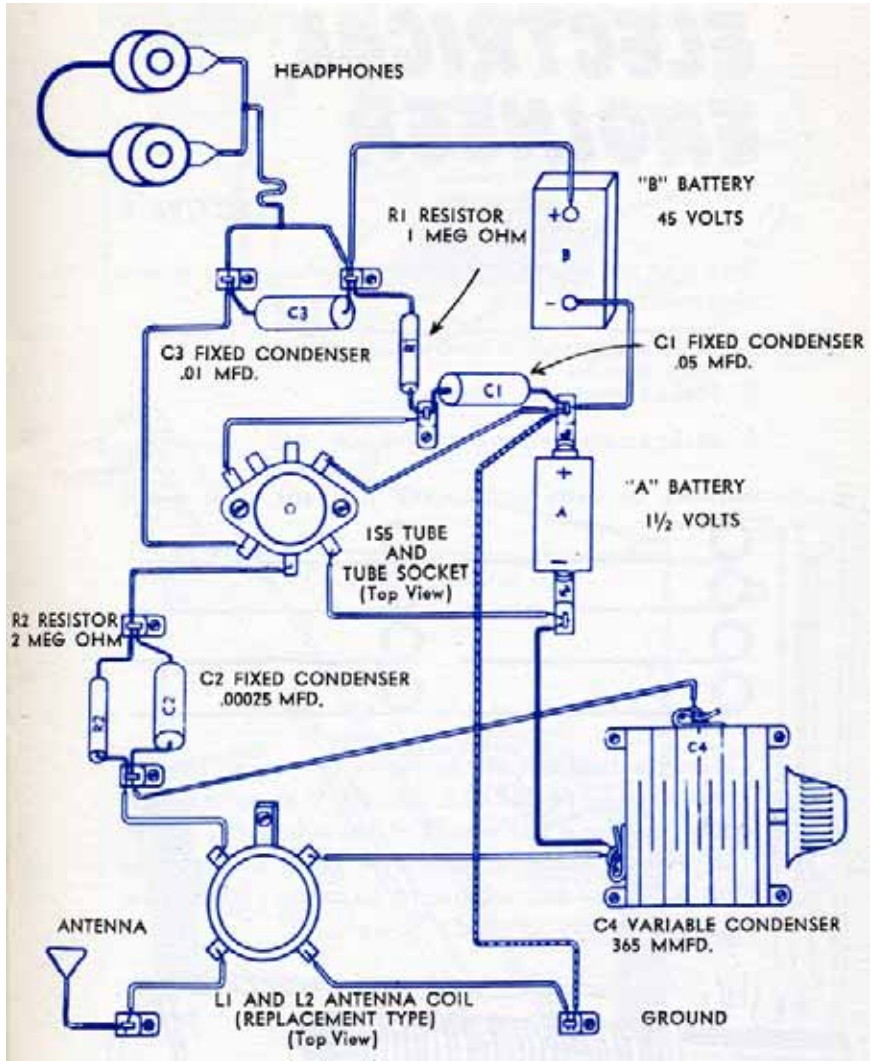
The diagram on the next page shows how to wire a one-tube radio set. Each part is indicated by a symbol. Before you start, be sure you have the parts listed below. All the parts must be mounted on a wooden board. Wires should cross at right angles. The wires can be fastened to the board with staples, but the staples must be insulated from the wire by small pieces of cardboard.

Wire connections to the tube socket should be soldered. Your dad may be able to help you with this, or perhaps the radio store in your town will do it for you. If it is impossible to solder, a long section of the wire should be inserted in the hole of the tab at the bottom of the socket. This long section should then be wound around a tab tightly and pinched with a pair of pliers. Glue or liquid solder will hold it in place. Be sure to attach the wires to the correct tab. The other connecting tabs are used for bigger sets and are of no use in this hookup. When you have wired and mounted your set, the addition of a front panel will make it look more like a real radio. This panel can be made of wood or composition board. To turn off the set, remove the "A" battery.

LIST OF MATERIALS FOR A ONE-TUBE RADIO

1S5 TUBE AND TUBE SOCKET	C4 VARIABLE CONDENSER— 365 MMFD.
L1 AND L2 ANTENNA COIL (REPLACEMENT TYPE)	"A" BATTERY—1½ VOLTS
R1 RESISTOR—1 MEG OHM	"B" BATTERY—45 VOLTS
R2 RESISTOR—2 MEG OHM	HEADPHONES
C1 FIXED CONDENSER— .05 MFD.	INSULATED WIRE FOR CONNECTIONS
C2 FIXED CONDENSER— .00025 MFD.	50 FEET OF ANTENNA WIRE
C3 FIXED CONDENSER— .01 MFD.	BOARD ABOUT 10" X 6" X 1" FOR BASE

FAHNESTOCK CLIPS



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: A wide variety of radios at <http://radiogallerykent.com>. Charlie Kent

FOR SALE: I am clearing my entire inventory of radio test equipment, parts, related materials that would be useful to those restoring antique radio gear. Some items available are: Heathkit oscilloscope in working cond; Eico signal generator, R.F. with switchable modulation; numerous power transformers; coupling transformers; resistors; some tubes; miscellaneous amplifiers and chassis; an ARC-r receiver in very good cond; etc. I will let the whole bag go for \$150.00. I am always negotiable. I need to clear everything since it appears we will be moving and there is no place for all of this collection. At least I will be able to take my five most liked collectables with me, that helps. John Otterstedt, johott38@aol.com, 503-244-6571 (home), 503-318-4203 (cell).

WANTED: *An affordable project chairside. Also a Rider V manual. Dan Rohling 208-442-9322 rohling1@mindspring.com

WANTED: **6DJ8 tubes for my newly acquired Tek 535-A scope. All are missing. which number about 18-20. Rudy Z. 503-255-2227

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:

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.