

The

Call Letter

*April, 2012
Vol. 38 – No. 4*



Our 2012 Board of Directors

Celebrating **35** 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 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 shows, 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 2012:

President	Mark Moore (503)286-5224	mark@pdxhistory.com
Vice-President	Mike McCrow (503)730-4639	tranny53@frontier.com
Treasurer	Cliff Tuttle (503)666-7005	kiptuttle@comcast.net
Recording Secy	Charlie Kent (503)281-9335	radiogallerykent@qwestoffice.net
Corresponding Sec'y	Jim Harper (503)538-8738	JLHarperclan@aol.com
Board member at large	Dick Bixler (503) 690-2557	rf2af@comcast.net
Call Letter Editor	Tony Hauser (503)438-0297	abhauser@aol.com
Librarian	Robert Robinson (503) 255-3585	srrobins@comcast.net

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On the cover: Our first chance to get a group photo of our 2012 BOD on the cover. From L-to-R: Mark Moore, James Harper, Mike McCrow, Charlie Kent, Cliff Tuttle.

The next meeting is April 14, 2012

**April Monthly Feature: Radios with tuning eye tubes.
 Tech Talk: Restoring plastic radio cabinets.**

Visit our web site at <http://nwvrs.org>
 and on Facebook:
www.facebook.com/northwest-vintage-radio-society

Next Call Letter deadline: April 28, 2012

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, Tony Hauser

About our cover photo; it is my intention to use a group picture of our new Board of Directors at the beginning of each new year as the cover photo for our January edition. I fell way behind on this, but thanks to former editor Rick Walton, I now have that picture. I feel that our new board members need to be honored in this way to show our gratitude for their sacrifices and hard work.

For those of you who have yet to hear, there will be a memorial service for Mike Parker later this month. Here is the information from our President, Mark Moore:

There will be a memorial service for longtime NWVRS member Mike Parker at the Truck Museum at Antique Powerland at Brooks on Saturday April 28th from 10 to noon. It is open to all club members.

Take I-5 to the Brooks exit, #263, and turn west on Brooklake Rd after you come off the freeway (going south from Portland, turn right). Go 1/4 mile to the first driveway for Antique Powerland. Drive into the facility and look for the Truck Museum near the Railroad Crossing.

Address: 3995 Brooklake Rd NE, Brooks, OR 97303

Phone: 503-393-2424

We received more sad news this month when we learned that member Lloyd Godsey, KK7IZ, had passed away. Lloyd and his wife, Ruby, relocated to Arizona a number of years ago, but he maintained his NWVRS membership ever since leaving the northwest. I think most of our longtime members will recall Lloyd's smile and wonderful personality. He was a regular at our meetings and swap meets.

Remember, the dial stops here.

Tony

NWVRS Meeting Minutes

by Recording Secretary, Charlie Kent

President Mark Moore called the March 10, 2012 meeting of the NWVRS to order at 10:00 a.m. New member Glenn McArthur was introduced. Glenn shared that he likes 50's and 60's radios. Guests were Miles Walden, grandson of Tom Walden; Kurt Hughes; and David and Don Martinson. A correction in the spelling of Norden Hauck was made to the March minutes as published, with a motion to approve. It was seconded and approved.

Since our last meeting we learned of the passing of one of our long-time members, Mike Parker. Mark presented information on the future Mike Parker Radio Museum.

Old Business / Report of Standing Committees

Library Report – Robbie Robinson: Ed Cook has donated some new books for our library. Jerry Hertel is converting cassettes to CDs and DVDs for the library.

Club Roster: If you're a new member, be sure to attend the April meeting and have your photo taken for the upcoming new roster.

Don Iverson Trophy: At least 12 people have volunteered to restore radios for the competition. Rules to follow.

Program Committee – Vice President Mike McCrow: The Tech Talks have only two months open and available for 2012. The two open months are July and August.

Merchandise: Charlie Kent gave a report for Wendy on nametags. A new vendor is being sought and the price will be forthcoming. New members or current members desiring nametags are encouraged to sign up as a minimum to order of approximately 15-20 will be required.

Leads and Needs

Ray Holland has Chevy car radios for sale, 1932-64.

April 2012

NW Vintage Radio Society Call Letter

Bob Walters would like to purchase an Atwater Kent radio, Model 447, 1934.

Norm Church is looking for an isolation transformer.

Robbie Robinson needs a Hallicrafters Model 71 VFO knob.

Alan Shadduck needs a General Electric J63 pointer for a slide rule dial.

Charlie Kent is looking for an RCA or Moog Theremin.

Myron White has a 30-volume set of Sams Photo Facts for FREE.

Show and Tell

Members displayed and talked about radios they obtained for free.

April's Show and Tell will be 'Tuning Eye Radios'.

A short Tech Talk movie, "What is FM Radio?" was presented by Sid Saul.

The April meeting's Tech Talk will be restoring plastic radio cabinets with Esteban Mendoza.

Fifty-five were in attendance. The meeting was adjourned.

10% DISCOUNT

To all members in good standing of the
Northwest Vintage Radio Society
for any purchase from



NORVAC
ELECTRONICS, INC.

SALEM (503) 585-9810
1545 Commercial Street

Please show your current
NWVRS membership card
to receive discount.

WE'RE STILL HERE!

NWVRS Calendar of Events

Most of the hamfest and ham swap meet information comes from: PNW Hamfair web page at www.n7cfo.com/amJradio/hf/hf.htm

- April 14** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- April 14** Yakima Hamfest. Yakima, Washington. Selah Civic Center, 216 South 1st Street, Selah, WA. This is an ARRL sanctioned event. For information, contact Lindsay Kooser (509)965-6612 n7rhw@arrl.net. <http://w7aq.org/>
- April 14** Communications Academy. Seattle, WA. This is an ARRL sanctioned event. <http://www.commacademy.org>
- April 20-22** Idaho State Convention. Boise, ID, Voice of Idaho ARC. ARRL sanctioned. Info, Lynn Rasmussen, W7RAZ, (208)550-7710, w7raz24@gmail.com. <http://www.idahostateconvention.com/>
- May 12** NWVRS Spring Swap/Sale at Aurora American Legion Hall, Aurora, Oregon.
- May 12** **Stanwood Camano Amateur Radio Club Hamfest**, Stanwood Middle School, Stanwood, WA. *This is an ARRL sanctioned event.* Contact Vic, N7KRE (360)387-7705 nwecop@tgi.net . <http://www.scarcwa.org>
- June 1-3** **Sea-Pac Hamfest**. Seaside Convention Center, Seaside, Oregon. *This is an ARRL sanctioned event.* ai9q@arrl.net . www.seapac.org/
- June 8-10** **43rd Annual Wenatchee Hamfest**. Apple City ARC. Dryden Gun Club. Dryden, WA. *This is an ARRL sanctioned event.* Contact Jim, W7JBP at shultzjims@aol.com or Judy, at ka7zna@msn.com for information. <http://www.qsl.net/w7td/> .
- June 9** NWVRS monthly meeting 10 am; tailgate swap 8:30.

Halowat vs. Atwater Kent

by Art Redman



The All Wave Five was Hallock and Watson last receiver selling for \$155.00 in 1926 available in two cabinet styles. It was advertised at the 1926 Pacific Northwest Radio Exposition program guide as being “unmatched for tone” and available in several cabinets, all with 2-dial control with direct reading of wave lengths in the dials, covering the range from 185 meters to 570 meters with equal efficiency.

The set “was designed to use the new power tubes in audio, the amplifier stage used 71As and the ultra-modern audio transformers; the General Type 285 having a 2:1 ratio. It had “the most advanced and proven hookup to account for the wide range marvelous tone in Halowat.”

The AW-5 Type A cabinet was 9 ¼” high x 10” x 22” long. The longer style had two side battery compartments in a self contained cabinet measured 10” wide x 11 ½” high x 36” long. The longer cabinet model also had a 3-way selector switch for short, medium, and long wave like the one in the earlier 1926 model TR-5 with a one gang variable capacitor directly behind it. The Type A did not have a tap switch and used a double ganged tuning capacitor and one single gang type. The long model also had two tuning dials and an additional three single-gang tuning capacitor inside.

Both models had an off/on toggle switch and two smaller controls for “Soft/Loud” under the right tuner. The Type A had one volume control marked “Volume.” The long style AW-5 had two rheostats for volume control labeled “Audio” and “Radio.”

The company continued production of their model TR-5 as a lower cost model after the AW-5 was introduced in September 21, 1926 even though three dial sets were obsolete. The rage at the 1926 Radio Exposition was One Dial Tuning which the public bought while Hallock and Watson were there marketing tone in a two dial model.

Later in November 1926 Atwater Kent went after Halowat sensing blood like a corporate shark. They ran ads asking consumers not mentioned any one company by name if they really wanted to own an “orphan set” made by an unsound company that is going out of business and will not be around to provide service even though Hallock and Watson had a separate service shop on NE 12th Avenue.

Kent had such a large share of the 1926 market that the Chown Hardware Company on Fourth Avenue between Morrison and Alder Streets proudly advertised that they only sold Atwater Kent. Portland newspapers were persuaded through advertising dollars to publicize an Atwater-Kent Week November 15 to 20th where authorized dealers will devote their window space featuring single dial control Model 30 and the entire line of the famous Pooley cabinets with the special floating horn at priced from \$65 to \$400. How could Portland based Hallock and Watson compete against a nationwide giant like Kent?

At the 1927 Pacific Northwest Radio Expo Hallock and Watson declined to sell Atwater Kent and started selling Stewart-Warner radios and announced they “the Oregon Radio Pioneers” are becoming authorized Fada dealers with models available at their show room at 192 Park Avenue thereby officially ending their dreams of ever manufacturing another radio.



From The Bench of WRNO

by Sid Saul

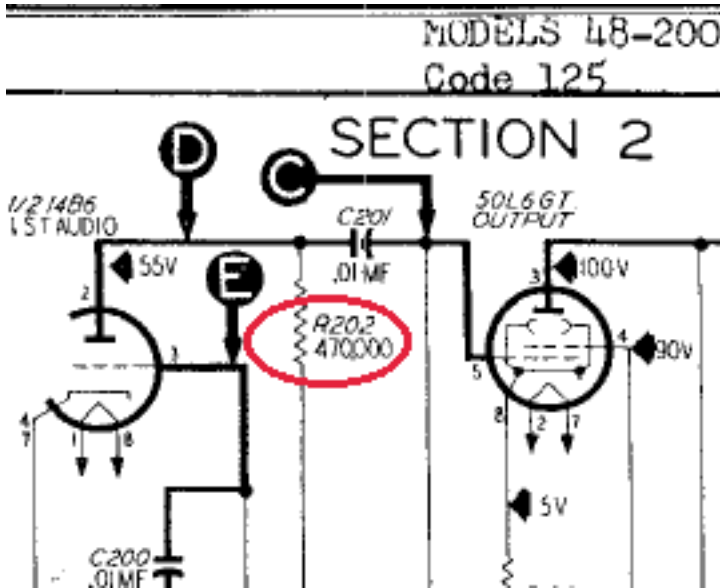
Prior to my joining the club, there was a regular column in the *Call Letter* written by member Blake Dietze. As you may know, Blake sponsors a Wed night get-together for members of NWVRS. A *laid back* venue for indulging various interests relating to radio. Long ago, Debbie Hillman, a regular Wed night attendee came up with the acronym WRNO, *Wednesday Radio Night Out*. This has been the unofficial Wed night call sign ever since.

A Philco 48-200 AA5 table set was presented with a *low volume* complaint. Prior to this, the tubes were tested, *with the 14B6 testing a little low*, and the usual cap-resistor replacements made. For ease of troubleshooting, a signal tracer was used and revealed that *indeed*, an audible signal *was* entering grid pin-3 of the first AF-Det tube 14B6. The expected *greater* amplification did not occur from the plate *pin-2* of this tube. Assumption of *bad tube* was made. Not using a schematic, the plate voltage on this tube was tested at 107 volts DC. Higher was not better in this case, but only enforced the assumption of a *bad tube* as... *voltage was there!*

Wouldn't you know, substituting a *new* 14B6 tube resulted in *no change in volume*. Failure to realize that in many radios, the detector/1st AF tube usually has B+ of *about half* that of the rest of the stages. Why? With AA5 and similar, the first audio stage is the only stage in the set with the output developed *across* a resistor rather than a transformer winding. In sets that have transformer or choke coupled audio, the plate voltage of the stage will be *higher*.

The first audio stage plate however, is fed B+ through a resistor. In order to get high audio gain, this *plate load* resistor is made large, often 220K or 470K. So a small change in plate current will cause a relatively large change in plate signal voltage. The large resistor value then drops quite a bit of the available B+ voltage, hence lower expected readings. The prior repair had mistakenly replaced the correct value of 470K-ohm with a 470 ohm resistor !

With the relatively low resistance, the plate voltage tested a high 107 volts, but not enough *signal voltage* across this resistor, and so was not sent on to the 50L6 output tube for amplification. Low volume resulted. With the correct resistor now exchanged, and the plate producing the 55 volts expected, *see schematic*, this radio is playing again.



From The Bench of WRNO will appear in future.
See you next time.

March Meeting Display

Some of the “Radios with SW Bands” from our March display



Zenith D-7000
Art Redman



General Radio 1680-A
Dave Wise

March Meeting Display (cont.)



Pilot Super Wasp
Alan Shaddock



Hallicrafters S-40
Dick Karman



Hallicrafters S-72
Hank Geissel



Murphy 152
Myron White



Hallicrafters SX-71
Robbie Robinson



Drake 2-B & Q-multiplier
Roland Beebe



1941 Chevy 5-band
Ray Holland



Philco 650
Sonny Clutter



Zenith R-7000-1
Liles Garcia

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: **Vast majority of my collection of 20+years. 20's to 70's; Catalin, plastic, wood, metal; console, table, portable; modern; tube, transistor, hybrid; **buy 10 items and get a 25% discount!** Contact me with your needs/wants. Tony Hauser, abhauser@aol.com

WANTED: ***50's & 60's VM & BSR record changers. Also, a speaker for an A-K model 42 that fits into a Pooley cabinet. Can pick up items at the May swap meet. Homer J. "Jim" Myers, Walla Walla, WA, 509-525-6264

WANTED: *Hi fellow members of The Northwest Vintage Radio Society, I am in need of one or two 12A8 tubes. If you would check/recommend for one I would appreciate it. Many Thanks! Raymond Holland, 6015 NW Perthshire Rd, Vancouver, WA 98663-1175, 360 695-6349, (C) 360 989-5981.

WANTED: *lid for Atwater Kent model 37. Antique Radio Classified from 1986-1987. Dan Howard strains@msn.com,

Leads and Needs

Questions about restoration of vintage radio? Visit Radiolaguy's web site often for this information plus lots of other interesting displays, photos, 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>

LEAD: ***I have several boxes from my father's estate of Sams TV schematics from the 50's & 60's and hate to recycle them. If someone can use them please contact Paul Tyler, Cheshire, OR, 541-998-5920 or 541-207-2525.

NEED: *VTVM (Vacuum Tube Volt Meter). Prefer an Eico 232, or one of the RCA Voltohmyst (Junior, Senior, etc.). Maybe you have something similar that would work. I will only be using it for alignment of old AM radios. It must be in good condition, functioning properly (calibrated), and have all the original or necessary probes. A complete owners manual would be nice but, would not be absolutely necessary. I believe they are available from BAMA. Contact me at rebaf5450@hotmail.com or call me at 541-997-1601. If you have any questions, please contact me. Thank you, Joseph Faber, 173 Florentine Ave,

Swap Shop (cont.)

Florence, OR 97439, (541) 997-1601, Home Email: rebaf5450@hotmail.com

LEAD: *I have an Atwater Kent radio model 55 C that I want to sell. If anyone is interested have them call me with an offer please. I live in Salem. Dick Thomas, 503-508-6052

LEAD: *A friend has the need to sell two radios: 1)Philco model 48-1290 Push button am/fm/sw w/phonograph Console (Dark color) pretty nice cabinet. Tubes 7af7,6au6,6z6zt,6so76T,7f7,7e7, 6ba6, 6va6, 7fa, 7a7. 2)Airline Model 84KR 2723A am/fm auto record changer (pretty rough cabinet) blond color. Tubes 6sk7, 6sa7, 6sk7, 6sq7, 6v6gt, 5y36t. Anyone interested??? Doug Sattergren. 503-665-1716

Radio Service

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

Roger Brown – (503) 693-6089

Bruce Baur - (503)-708-4537, brucebaur@comcast.net

Blake Dietze – (360) 944-7172, wb6jhi@ix.netcom.com

Jack Doyle – (503) 305-8097

Pat Hickman – (503) 887-9015 Web: www.classictubeaudio.com

Email: phickman@comcast.net

Jim Myers – (509) 525-6264

Todd Ommert – (503) 246-4141 Web: www.burlingame-radio.com

Email: burltv@msn.com

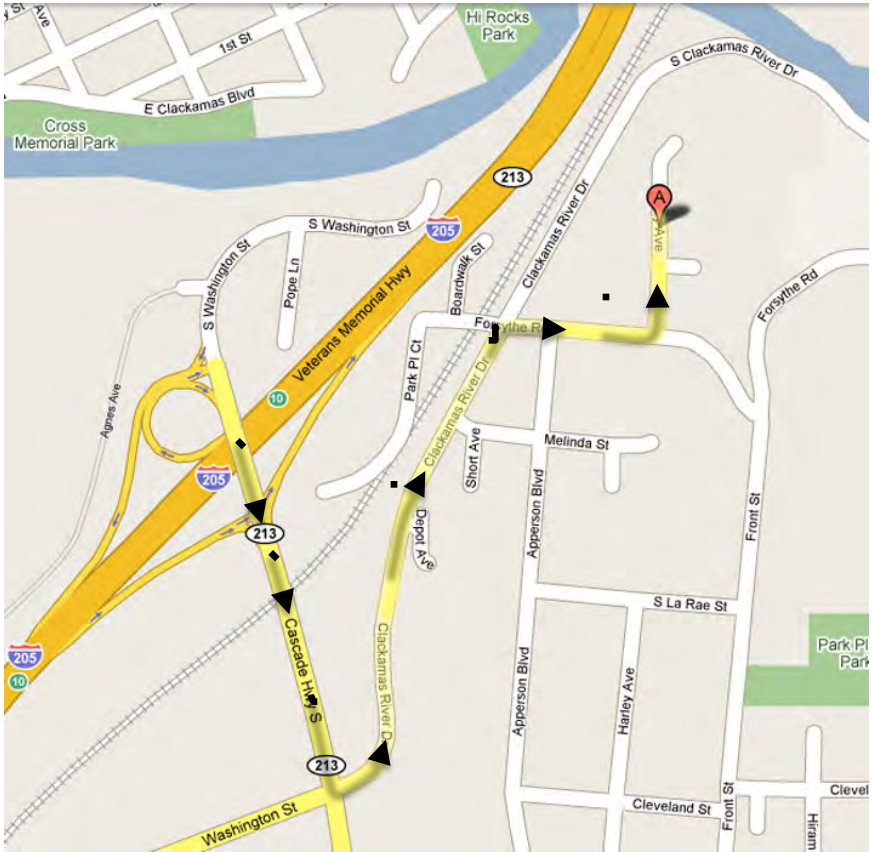
Tony Ranft – (360) 944-8489 or walterranft@hotmail.com – General repairs.

Dave Wise – (503) 648-0897, 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.

Meeting Location



To get to the Abernethy Grange Hall:

1. Exit I-205 at SR-213 (Exit 10 to Molalla) and head south on 213.
2. At the first intersection (the traffic light), turn left onto Clackamas River Dr.
3. Turn right at Forsythe Rd.
4. Turn left onto Harley Ave. The Grange Hall is on the left about a block and a ha



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