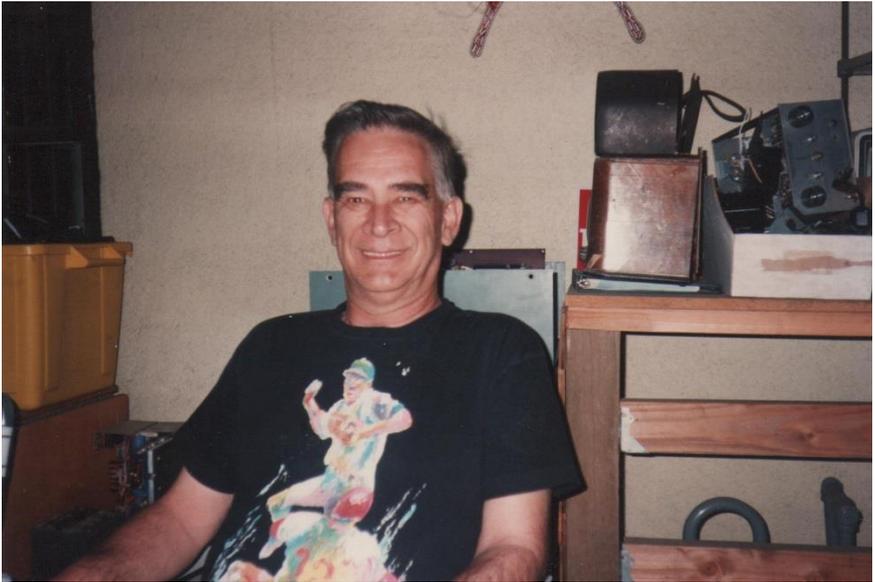


The
**Call
Letter**

November 2015
Vol 41, #11



Bob Lee
1935 – 2015

Note: November Meeting begins at 9:30

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.

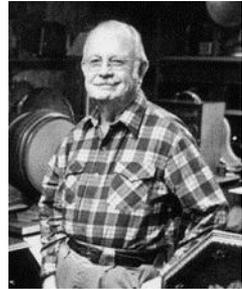
Membership in the Society is open to all who are actively interested in historic preservation. The dues are \$25.00 for domestic membership, due on January 1st of each year (prorated quarterly).

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 9:30 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 2015:

President	Mike McCrow (503)730-4639	tranny53@frontier.com
Vice-president	Bryon Toon (503) 266-5527	
Treasurer	Ed Tompkins (503) 573-3895	edtomp@Q.com
Recording Sec'y	Liles Garcia (503) 649-9288	landn2@frontier.com
Corresponding Sec'y	Pat Kagi (503) 694-6149	kagi.pat@con-way.com
Board member at large	Mark Moore (503)286-5224	mark@pdxhistory.com
Librarian	Damon Vandehey (503)459-1777	
Editor	Don Hanson	vanguard4@lycos.com

Remembering Bob Lee

Longtime member Bob Lee passed away on Tuesday, October 13. Bob's shop was like a second clubhouse and after-meeting visits were like a second meeting for a lot of us. Bob was a no-nonsense guy with a big heart and a great sense of humor. He will be greatly missed. Thanks to all who shared your stories on the mailing lists.
– Ed.

From the President

By President Mike McCrow

Hi everyone. I just wanted to let you know about the upcoming events. As many of you know, November is our month for nominations of officers. I would like to invite everyone who is interested to throw your hat in the ring. Being a club officer is a fun and rewarding experience. Over the past few years I have had a good time working with other members and officers. Keeping the ball rolling, and making good friends along the way. Having more people run for office is good for our society.

Our annual Christmas party is next month. I will be helping Brian Toon get ready for the party, along with many of our volunteers. As usual along with the great food and fun, we will have a very brief meeting and election of officers. I'm looking forward to a good time, and hope to see you all.

Mike

Please have Call Letter Articles in by November 28 -Ed

On the Cover-

Member Bob Lee became a silent key on Oct. 13 2015.

Thanks to Peake Funeral Chapel for permission to print.

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November Feature

Plan to bring a Featured Radio in November - tube radio accessories or add on gadgets for tube radios.

Visit our web site at www.nwvrs.com

Find us on Facebook: www.facebook.com/nwvrs

Announcements

November Meeting

This meeting's monthly feature is "Add-on Items for Tube Radios". And nominations for 2016 officers. Don't miss it. (9:30 at the garage hall)

December Meeting and Christmas Party

The December meeting is the annual Christmas Party. Details at meeting.

Minutes

NorthWest Vintage Radio Society Meeting--October 10, 2015

President Mike McCrow called the October 10, 2015 meeting of the NorthWest vintage Radio Society to order at 9:30 AM. Members pledged allegiance to our nation's flag. Scott Thomas, John Livingston, and Truman Livingston attended today as guests. Bob Lee is recovering from recent surgery in a convalescent facility. Gordon Ormsby is also ill.

Charlie Kent and Rick Ryan said that our last Swap Meet had an increase in business. They thanked those members that helped with setting up and taking down the Swap Meet, and helping with the auction. Mike also thanked all those people who helped with our Swap Meet. Many thanks to Pat Kagi for the snow cone and popcorn machines. Many thanks to Dick Bixler for arranging the advertising with Radio Station KKOY. Members discussed various ways to advertise and promote our swap meets.

Mike thanked the people that helped locate the family that owns the Zenith radio that came from the internment camp. Pat Kagi also thanked those members that helped. Damon mentioned that we got some new books for our library. He also asked members to return any books that are checked out.

Liles told the group about AED training for our Society. He also mentioned that the Fire Dept. response time to the Grange Hall is approximately two minutes. Members voted to approve the minutes of our August meeting as printed in the September Call Letter.

The Program Topic for today is "Tube Battery Radios with Self-Contained Batteries". Members showed and discussed the radios that they brought. The Program Topic for November is "Add-on Items for Tube Radios".

The meeting was adjourned. Liles Garcia, Secretary

Calendar of Events

November 14, 2015. NWVRS Monthly Meeting. Abernethy Grange, Oregon City, OR

November 15, 2015. CVARS Antique Radio Swapmeet. Burnaby, BC http://rac.eton.ca/events/detail.php?event_ID=1771

December 12, 2015. NWVRS Monthly Meeting and Christmas Party. Abernethy Grange, Oregon City, OR

February 20, 2016. Salem Hamfair & Computer/Electronics Swapmeet. Rickreall, OR at the Polk County Fairgrounds. *This is an ARRL sanctioned event.* <http://www.w7sra.com> .

March 5, 2016. Mike & Key Swap Meet. Puyallup fairgrounds exhibition hall, Puyallup, WA. *This is an ARRL sanctioned event.* <http://www.mikeandkey.org/flea.htm>

March 19, 2016. MicroHams Digital Conference. Redmond, WA. <http://www.microhams.com> .

April 2016. Yakima Hamfest. Yakima, Washington. Selah Civic Center, 216 South 1st Street, Selah, WA. <http://yakimaamateurradioclub.com/yakima-hamfest/>

April 9 & 10, 2016. Communications Academy. South Seattle Community College, Seattle, WA <http://commacademy.org/>

April 22, 2016. Idaho State Convention. Boise, ID. *This is an ARRL sanctioned event.* <http://voiceofidaho.org/> Contact: Larry Bickham , WA7ZZS. (208)453-1666, wa7zss@arrrl.net

May 2016. Stanwood Camano Amateur Radio Club Hamfest, Stanwood Middle School, Stanwood, WA. Contact: Fred Laun, n7krn@arrrl.net <http://www.scarcwa.org/>

May 20-22, 2016. Washington State Search And Rescue Conference. Longview, WA. <http://www.wasarcon.org/>

May 20-22, 2016. Pateros 16th Annual Ham Radio, Campout/Potluck. Pateros WA. Free "dry" camping along the Methow River at Pateros. Always the weekend prior to Memorial Day Weekend. Contact Roger W7CH w7ch@arrrl.net (509)687-3919. <http://lakechelanradioclub.webs.com/>

June 2016. 48th Annual Apple City ARC Hamfest. Apple City ARC. Dryden Gun Club. Dryden, WA. <http://www.qsl.net/w7td/> .

Monthly Feature

Tube Battery Radios with Self-Contained Batteries

Photography by Chris Butler



Lloyd Harris

Lloyd Harris



Jeff LaDoe

Jeff LaDoe



Roger Brown



Japanese-American Family's Zenith Console

Below are Pat's original email to the group followed by a recent note from Sharon Nesbit of the Gresham Outlook. - Ed

Email from Pat Kagi Tue, 15 Sep 2015:

Hi,

I just wanted to let everyone know the good news that we have located the original owners of the Zenith console radio. This is the radio that was left behind when the family went to the internment camp during World War II.

This all started when Will Barnett decided to sell his collection of radios, one of which belonged to a family of Japanese descent that had to leave it behind as they were sent to an internment camp. An elderly gentlemen took possession when the Japanese family was forced to go to camp. It was damaged by a house fire and was about to be discarded, when Will was able to purchase it in the 1980's for \$7, which is all of the money he had. My own family was interned at Hart Mountain in Wyoming, so when I heard about this radio's history, I wanted to obtain the radio in order to return it to its rightful owners. When Mr. Barnett heard about my plan, he gifted the radio to me, asking nothing in return. Sid Saul, the president of the NWVRS radio club at that time, suggested that the radio club restore this Zenith before presenting it back to the original family.

For many long months, and many dead ends, we looked for this mysterious family that lived in Gresham, on Liberty Street. I even turned to the JACL and with the help of Chip LaRouche, placed an article looking for the family. Since WWII, there was a fire and the homes were demolished and replaced with apartment complexes. Dick and Dan Howard, a father and son team in the radio club, spent their time looking into public records but had no luck. They also contacted local families since Dick went to school in the Gresham area.

Fast forward to September, 2015 where Will Barnett was reading an article by Sharon Nesbit about the plight of two Japanese families that returned to Gresham after the war. Upon reading this story, Mr. Barnett contacted Ms. Nesbit to see if these two families might know anything about the family and the radio. Armed with a picture of the

radio, she was able to locate **** of Gresham who clearly identified this as the same model Zenith that his family owned.

Currently the radio is being electronically restored by Blake Dietze, an electrical engineer, antique radio enthusiast and a manager at Hewlett Packard's Vancouver campus.

Ms. Nesbit would like to do a story on this family and their radio and I hope that it touches the lives of those enjoy happy endings and antique radios.

Special thanks to Will Barnett, Sharon Nesbit, Blake Dietze, and Sid Saul for making this a reality. Thanks also to Dick and Dan Howard, Chip LaRouche and **** for their contribution and help in trying to locate the **** family.

Pat Kagi

Followup Email from Sharon Nesbit of Gresham Outlook:

Sat, 31 Oct 2015: (Reprinted with Permission)

Sorry to give you no real answer. We thought we had a sure thing when **** recognized a picture the radio, but he was born in Tule Lake internment camp after 1942 so could not have known the radio before the war so the story doesn't fit. There is some conjecture that the family might have recovered the radio after the war and that is how he knew it, but it doesn't jibe with the story we know that the radio was in the possession of a man who said the family gave it to him when they went to internment camp in May of 1942.

I have pursued a number of other Gresham area Japanese families with no success. Now I am trying to figure out precisely where the old man lived to see if I can pinpoint a Japanese family in that location.

'Tis a puzzle.

sharon nesbit

--

Many thanks to all who have been working so hard on this and continue to do so. History Detectives, Anyone? -- Ed

The Ozarka Men of Yesteryear and Today

By Art Redman

Ozarka sets were sold to individual representatives who handled sales for one county in the U.S.A. There were 3100 Ozarka agents in 1926 and 4800 the next year; the total company profits for 1927 being \$30,226. Each agent wore a badge figuring the Grouse insignia on the radio and speaker and completed a ten-lesson correspondence course. I wonder if one of these men lived in a western Oregon county and sold the radio in 1925 listed at the Mike Parker estate auction as number 120. No Ozarka sales men or dealers are listed in the Portland City Directory. Ozarka ran a small ad in the Oregonian advertising for salesmen from October 7, 1923 to December 16. It appears there were no Ozarka men in Multnomah County. Another ad appeared in late 1927. Following is the 1923 ad:

Make \$120 Commission Weekly in Spare Time. See what the public wants - long-Distance radio receiving sets 2 sales weekly pays \$120 profit; no big Investment, no canvassing. Sharpe of Colorado made \$955 in one month: Representatives wanted at once. This plan is sweeping the country. Today giving name of your county. Write Ozarka 11 N. Peoria St. Chicago

The Parker owned radio is an Ozarka Model Senior S-I (listed by McMahan as a Model S-7 because of its seven tubes) radio making him one of the last of the Ozarka men in Oregon besides myself. The set sold for over \$200 at the February 2015 auction. An Ozarka speaker listed as number 34 in its original finish was bought for \$135, which I once owned before trading it to Mike for two brass based AT-21 transmitting tubes made by Westinghouse and is not even listed in the Gerald Tyne book *Saga of the Vacuum Tube*. Who figured the speaker is so much more valuable? I should have kept it but I needed the tubes and traded away the radio to him a month before. Today I cannot afford the two items. If either Mike or I were in the radio business in 1927, we would sell Ozarkas and compete with Long, Northwestern, Hallock and Watson, and Langhorne.

The original price for the radio was \$137.50 west of the Rockies and \$180 in Canada complete with all accessories including the Hi-Power Speaker (not the one in the auction) as advertised in the magazine *Popular Radio* issue of November 1925 on page 12. The name Ozarka has nothing to do with the Ozark region of Arkansas and Missouri. In fact, the company was located in Chicago and founded by a Scotsman J. Matson Bell and engineer John Huff worked from the back of a bicycle shop at 5342 North Clark.

I bought the Parker owned set in 1995 and traded Mike for a Wappler Electric Company medical device containing an Oudin coil called an Endotherm Knife that cuts human flesh by radio frequency currents. Mike got this instrument from the University of Oregon Medical School where he worked in electrician and was willing to trade for a battery radio. The Wappler device was used by Doctor George Austin Wyeth of New York.

Mike later wrote an "In the Shack" article about the Ozarka set. This Ozarka when I bought it for \$50 had not one of its seven O1A tubes and no original finish - that was the main reason I was willing to let it go at that time. It was also missing a rheostat and knob and some other minor parts. Mike to his credit restored it to working order and built an AC power supply inside the spacious tabletop cabinet. According to Greg Bond, it was Mr. Parker's favorite radio. The new owner is another Ozarka man - like Mike and I - whoever restores, buys and sells Ozarka radios. The company went out of business by mid-1932 leaving us collectors as today's Ozarka men.

The Aspiring Radiotrician

By Sid Saul

1972 Globe-Spanning Shortwave Kits

TUNE IN FASCINATING SHORTWAVE—LEARN ELECTRONICS TOO



AM, Three SW Bands from 1.5 to 30 MHz **19⁹⁵**

Science Fair Globe Patrol. The "fun" way to learn electronics AND enjoy a new world of listening adventure! Has easy PC board construction, solid-state circuitry, 32-page manual for goof-proof assembly. Tunes AM plus 1.5-4.5 MHz, 4.5-13 MHz, 13-30 MHz SW bands. Has bandspread control, earphone jack, easy-to-read dials, up-front controls. Good-looking molded case with aluminum front panel—front speaker for good sound. 5¼x9¼". Manual has "Where to Listen" guide, 4 pages of electronics theory. Assembles with just 5 common tools, battery operated. **19.95**
 28-205. Ship. Wt. 6 lbs. 23-447, 1½V "C" Batt. (4 req'd) .17



OUR 4-BAND "GLOBE PATROL"—THE PERFECT KIT FOR BEGINNERS



All Parts, Detailed Instruction Manual Included!

Globe Patrol Radios

Learn as you build!

I am just now opening my treasures bought during our last Aurora swap sale. Yes, I said Aurora! I would never divulge a seller's name, only that he held the first table on the left as we entered the front doors. Always new batteries in custom-made holders, along with copious print-outs stuffed inside. You could count on everything on his table being of top quality. Speaking for the entire club, we miss seeing him and his lovely wife at our Lombard swap-sales. This month's radio is none other than the Tandy Science Fair kit, the "Globe Patrol".

1970

Science Fair™ GLOBE PATROL 4-BAND RECEIVER KIT

**TUNES STANDARD BROADCAST PLUS
160 TO 10 METERS! PERFORMS LIKE \$100
UNITS! YOU LEARN AS YOU BUILD!**

- All Solid State • Printed Circuit Board for Error-Proof Construction • Major Parts Premounted • AC/Battery Operation
- Detailed 32 Pg. Instruction Manual
- All Parts Included, Even Solder
- Incl. Speaker, Earphone

19⁹⁵ COMPLETE

Build yourself a world of excitement! Hear standard AM broadcasts, foreign broadcasts, amateur, marine, aircraft and citizens band communications on a compact receiver you can build yourself—or assemble if needed! Band spread control covers 80-40-20 meter amateur bands and includes 1-10 logging scale. You get quality components premounted on a printed circuit board with all wire, solder and electrical components you need to build it yourself!

All solid state circuitry with an filament or components that need separate power supplies. Power supply covers 110-120 VAC to low DC operating voltages. Includes speaker and earphone included for private listening. Can be assembled with 5 common tools. Complete with attractive plastic case, aluminum front panel, easy-to-read dial and convenient controls. Size 1 1/2"x2 1/2". Detailed 32 page Instruction Manual includes full "Where to Buy" Guide, Time and Emergency Conversion Charts, 4 full pages of electronic theory.

20-254, Shipping weight 4 lbs. (1979)

- (1) Band A: 55 to 1.4 MHz
- (2) Band B: 1.5 to 4.5 MHz
- (3) Band C: 4.5 to 13 MHz
- (4) Band D: 13 to 30 MHz
- (5) RF Gain Control
- (6) Band Selector
- (7) AF Gain Control
- (8) Built-In Speaker
- (9) Headphone Jack
- (10) Bandspread Control
- (11) Handsome Gray Plastic Case

My three transistor version of the "GP" sold from 1972 until 1979. A cosmetically different version first appeared in the 1970 Radio Shack catalog. Lafayette's version sold from 1962 until 1972, sporting a similar model but using three tubes. All models being regenerative, 4 band continuous coverage, and band-spread tuning from broadcast to 30 Mc.

The sound from this little two inch pm speaker is very clear. No surprise that AM is very limited here in Hebo. The upside to this is less interference with my SSTRAN low power transmitter. Streaming online 24/7 broadcasting throughout the house and property. The sound quality can be summed up as simply unmatched. Club member Blake Dietze built this particular kit as he has done for many of our members, and has provided one for our swap sales for many years. I am honored to join the ranks of many who have something built from his bench!

The kit costs a hundred dollars and comes with excellent documentation and instruction. I have experimented with several low power designs, but nothing comes close for range and clarity. My favorite streaming station is the “Antioch Broadcasting Network” also known by its acronym, ABN. They use a chime similar to the old NBC network. ABN catalogue their programing to today’s date, along with interspersed classical music and original promotions. Search for ‘1710 Antioch’ and have a listen!

I haven’t had a chance to test the short wave bands on the “GP”, but oscillations suggest success. In a future article I will attempt to expand on the circuitry of these simple but highly effective transistor regen radios. If only to introduce basic transistor schematics, and the testing of transistors to our members not so inclined. Now on to the next Aurora treasures!

Until next time from your Aspiring Radiotrician, Sid

FUN EDUCATIONAL! Lafayette 1972

EXCITING "EXPLOR-AIR" RECEIVER KIT 4 BAND

19.95

- 4 Bands for total coverage:
 - 550-1900 Kc broadcast band
 - 1.7-5.9 Mc., 5.9-14 Mc., 14-30 Mc. shortwave bands
- Complete bandswitching from front panel
- Built-in Big 4" PM Loudspeaker

Swap Shop

Special Sale: Large collection of high-end quality radios that range from mid-1920s to late 1950s and into the 1960s for sale. Only NWVRS, PSARA club members and personal guests are invited! For appointment call Steve Berglund 206-244-6428

Amplitrex tube testing service. Highly accurate tube testing with computer printout. Can test 211, 845 and other rare and hard to test tubes. Will trade testing for tubes, parts, etc. robertwstephens@frontier.com

Member Profile

None this month. If you’re in the NWVRS, you have a story (or two) to tell. How did you get into electronics, radios, restoration, collecting, history, outreach. What was your first radio? What are your interests? Don’t be shy!!! -- Ed (& Thanks to all those who have contributed!)

Tech Tips

SERVICING EARLY AC POWER SUPPLIES - FILTER CAPCITORS

by Sonny Clutter

Voltage measurements of early radios

Many of the old schematics did not include the voltage values. It's pretty easy to determine the voltage ratings by the type of power supply.

Capacitors rated at 450 volts are safe in most cases. However some very early AC radios, the original capacitors may be rated as high as 600 volts. Sometimes they were overrated but to be sure, monitor the B+ at the output of the rectifier tube (of working) radio and use a capacitor at least as high as the highest voltage your meter displays during warm up.

The filter capacitors used in the early AC sets that were packaged in large metal containers (usually rectangular or square) were not electrolytics. There were paper capacitors, usually no more than 8 uf (often much lower like 1-2 uf) capacity. Unless the power supply exhibits hum, low voltage or shows excessive potting material leaking from the cans, it's not necessarily a good practice to just replace them. These condensers can exhibit a bit of leakage above 250K is no big deal but in the power supply. If you do replace them you can use electrolytics but polarity must always be observed even though the original were non-polarized, not so with non-electrolytics. Be sure and stick with the original capacity values as using higher value may result in more (not less) hum do the fact that the capacitor value and the choke (a reactor) result in a tuned circuit.

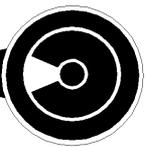
Some may not be aware that the voltages shown on the schematics of old radios were not taken with a vacuum tube voltmeter, some of the meters used had an OMHS-PER-VOLT rating of 1000! This is significant when measuring voltages using a VTVM or more modern digital VOM as you will measure a higher voltage than specified on the schematic. You can do the math and figure the difference or parallel your meter with some resistance to match the load of the ancient voltage meter. IE: put a 250K resistor parallel with your meter probes to measure voltage from 50 - 250 volts, this gives a load of 1000 ohms-per-volt. For up to 50 volts, use a 51K resistor, for 10 volts, use 10K.

**...it's always
a Sunny Day at...**

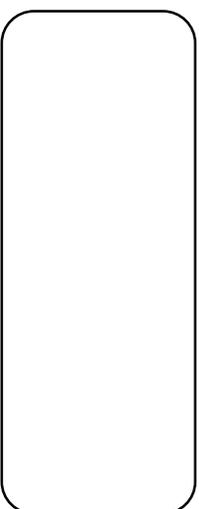
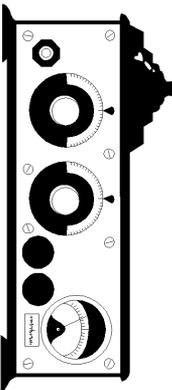


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great music of the last 50 years.**

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