

The
**Call
Letter**

March, 2007
Vol. 33 — No. 3



Over **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 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).

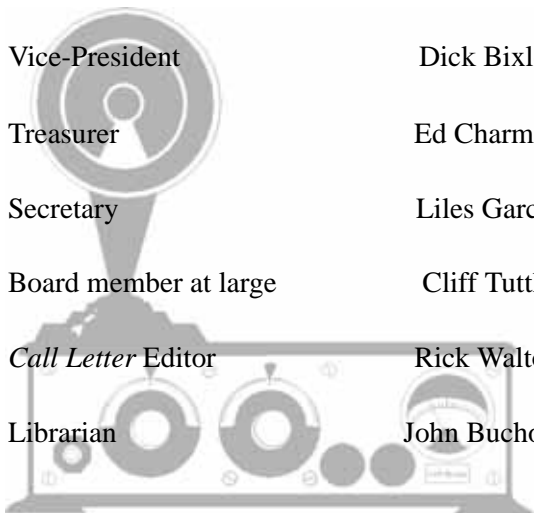
Other Society functions include guest speakers, auctions, radio show, and radio sales which are advertised in the *Call Letter* and are held in and around Portland.

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 2007:

President	George Kirkwood	(503) 648-4809 radiogeo@hevanet.com
Vice-President	Dick Bixler	(503) 690-2557 RF2AF@PCEZ.com
Treasurer	Ed Charman	(503) 654-7387
Secretary	Liles Garcia	(503) 649-9288 landn2@verizon.net
Board member at large	Cliff Tuttle	(503) 666-7005 kiptuttle@aol.com
<i>Call Letter</i> Editor	Rick Walton	(503) 656-4104 rwalton@easystreet.com
Librarian	John Bucholtz	(360) 693-7135 BonJonBuck@webtv.net



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On the cover: Thanks to Jay Johnston for suggesting this cover. These are all short-wave adaptors of the Shorty or All-Aire brand shown at the February meeting. They are all Portland products, and are the subject of an article in Antique Radio Classified by our own Art Redman.

The next meeting is on March 10, 2007.

Spring cleaning opportunity! Bring your spare knobs for a knob swap at the March meeting.

Annual dues are *past due!*

March Feature: Non-superhet radios that are AC powered

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

Next Call Letter Deadline: April 5, 2007.

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

I'm going to keep it brief because there is a lot of stuff in this issue.

Please take note of the announcement from Sonny Clutter about the liquidation of Ron Hershey's radio collection. Sonny is responsible for the disposition of the collection, and as noted in the minutes, he is being helped with that task by Blake Dietze. Then notice the special sale in the Swap Shop that lists a number of radios from Ron's collection. These radios are being handled by Liles Garcia and Mark Richardson who are working with Sonny.

Did you look at the announcements on page 1? We'll be having a knob swap at the March meeting. Here's a great opportunity to clean out those knobs that you'll never use and perhaps find one or several that you've been looking for.

As pointed out by the grouping of Shorty converters on the cover, club member Art Redman will once again have an article published in *Antique Radio Classified*, to appear this month if I understood Art correctly. This time the subject is Shorty Manufacturing, a Portland radio equipment maker. Congratulations, Art.

Recently I won an eBay auction for a mixed lot of old magazines and other publications. One of the most intriguing in the lot was a little magazine in French called *La T.S.F. Moderne, Revue Mensuelle*. It took me a while to figure out that T.S.F. stood for téléphonie sans fil, or telephone without wire. Wireless, in other words. Its back cover is the image on "The Back Page," that occasional feature that I use to fill an otherwise unfillable page. *La T.S.F. Moderne* is chock full of interesting ads, and if I truly understood French, interesting articles, too.

Important Notice

Liquidation of the Ron Hershey Collection

Before he passed away last year, Ron Hershey requested that Sonny Clutter see to the liquidation of his collection. All inquiries about the collection and its disposition can be directed to Sonny Clutter by e-mail: sonny@radiolaguy.com, or by phone: (360) 834-5741.

NWVRS Meeting Minutes

Liles Garcia, NWVRS Secretary

President George Kirkwood called the February 10, 2007 meeting of the NorthWest Vintage Radio Society to order at 10:00 AM. Liles Garcia read the minutes of the January meeting, and they were approved as published in the February Call Letter. Ed Charman gave the Treasurer's report, and it was approved as provided by Ed. John Bucholtz reported that the library was doing fine. There is a new CD and cassette tape in our library that contains information from a former Atwater-Kent employee. Len Cartwright joined our Society today; members welcomed Len with a round of applause. There were 43 people at our meeting today.

Old Business

Ron Hershey's Radios — Sonny Clutter and Blake Dietze are coordinating the moving and sale of Ron's radio collection.

Outreach Project — Please keep Dick Bixler informed about other electronics organizations so that our Society can do more networking with them.

New Business

"Sounds Of Nostalgia" Antique Show — Some of our Society members will be attending this antique show in Salem.

Leads and Needs

Len Cartwright needs the manual for a Weston 533 Tube Tester. Pat Kagi suggested that we have a knob swap at our March meeting.

The program topic for our meeting today is "Short Wave and Long Wave Converters and Other Radio Appliances". Members showed and discussed the radios and other items that they brought.

The program topic for our March meeting is "AC-Operated Non-Superheterodyne Radios".

The meeting was adjourned.

NWVRS 2007 Calendar of Events

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

- March 10** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- March 10** Mike & Key Swap Meet., Puyallup fairgrounds exhibition hall, Puyallup, WA. Link to flyer: [Flyer in PDF](#)
mwdink@eskimo.com
- April 7** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- April 8?** Inland Northwest Hamfest & Computer Show, Lilac City ARC & Lilac City Chapter of 10-10 International, St. Ann's Parish Hall, East 2120 First Avenue, Spokane, Wa.
- April 14** Yakima Amateur Radio Club W7AQ Hamfest 2006 Selah Civic Center, Selah, WA. Info, contact Lindsay Kooser, N7RHW 141 Stark Road #7 Yakima, WA 98908 Phone: 509-965-6612 Email: n7rhw@arrl.net w7aq.org/
- May 6** Kelowna Flea Market. Orchard City Amateur Radio Club. Kelowna, BC. www.ocarc.ca/2006%20Flea%20market.htm For info, contact Carl, ve7clc@rac.ca or Keith, ve7kng@hotmail.com.
- May 12** Stanwood Camano Amateur Radio Club (SCARC) Hamfest, Stanwood Middle School, Stanwood, WA. Contact Vic, N7KRE (360-387-7705). huppert@whidbey.net.
- May 12** NWVRS Spring Swap/Sale at Aurora American Legion Hall, Aurora, Oregon.
- May 13** Maple Ridge, ARC Swap Meet. 12460 Harris Road Pitt Meadows, Maple Ridge B.C. Canada. www.qsl.net/ve7rmt/
- May 2007** NARA's Spring Swap and Shop. Nanaimo Amateur Radio Association. Departure Bay Activity centre, 1415 Wingrove St. Departure Bay, Nanaimo BC. Info: call Dick 250-390-0181 or email ve7rlh@shaw.ca.
www.nara.nisa.com.
- June 1-3** Sea-Pac Hamfest. (Note that the dates for this event have changed from early announcements.) ARRL Northwest

- Division Convention, Seaside Convention Center, Seaside, Oregon. www.seapac.org.
- June 8-10** Wenatchee Hamfest, Apple City ARC. Dryden Gun Club. Dryden, WA. ARRL sanctioned event. www.qsl.net/w7td/
- June 9** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- June 10** Hamfest 2007. Kootenai Amateur Radio Society. Lions Club, Hiway 53, Rathdrum, ID. Info: contact Jim, N7ESU at (208)667-4915 or email n7esu@arrl.net
- July 14** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- June 16-17** Northeast Montana Father's Day Hamfest. Down Stream Campground at Fort Peck Lake. Info or details: contact Bob Parker, K7TNJ, at k7tnj@yahoo.com
- July 20-22** Glacier Waterton International Peace Park Hamfest. Glacier Meadows Campground, 13 miles west of East Glacier on MT Hwy 2. www.gwhamfest.org
- July 21** Bandon Hamfest. Bandon, Oregon. ARRL sanctioned event. Follow the signs to “The Barn”, aka “Bandon Community Building.” Contact Ron W7VU at (541) 572-5546, w7vu@arrl.net
- July 28** Chehalis Valley Amateur Radio Society Hamfest. Lewis County Fair Grounds, Chehalis, WA. Contact John Ellingson, K7OSK, k7osk@boatanchor.com
- August 11** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- August 12** The 10th Annual Greater Portland Insulator Swap — Location TBA. Always the second Sunday in August. Contact Dan Howard (503)659-3520 e-mail: strains@msn.com.
- August 11** Hamfest and Electronics Flea Market, Radio Club of Tacoma; Bethel Junior High School, 22001 38th Avenue East, Spanaway, WA www.w7dk.org
- August 19** Puget Sound Antique Radio Association Swap Meet. 9 AM to 1 PM. Shoreline museum parking lot. N. 175th & Linden, Avenue, North Seattle. www.eskimo.com/~hhagen/psara/swap.html

- September 8** NWVRS monthly meeting 10 am; tailgate swap 8:30.
- September 22** Spokane Hamfest. (ARRL Washington State Convention). University High School, Spokane, WA 99206. Contact Betsy Ashleman, N7WRQ, n7wrq@aol.com. (509)448-5821. www.kbara.org.
- October 13** NWVRS Fall Swap/Sale at Aurora American Legion Hall, Aurora, Oregon.
- October 14** North Kitsap Amateur Radio Club Hamfair. Bremerton, WA. ARRL sanctioned event. Kitsap Fairgrounds. Info: contact Ron Sefton, N7EM, (360)779-5418, ronsefton@hotmail.com or Horace Ory, (360)779-2215, ory001@comcast.net. www.nkarc.org/hamfest/index.html
- October 21** Swap-Toberfest, Polk County Fairgrounds, Rickreall, Oregon. (Ten miles west of Salem). Info: contact Fred Rodley at n7lqd@aol.com. www.swaptoberfest.net/
- October 27** Mount Baker Amateur Radio Club Flea Market, Lynden, WA. ARRL sanctioned event. Always last Saturday in October. Info: contact k7iey@netscape.net. www.qsl.net/k7skw/.
- November 10** NWVRS monthly meeting 10 am; tailgate swap 8:30. Nomination of officers for 2007.
- November ?** Maple Ridge, ARC Swap Meet. 12460 Harris Road Pitt Meadows, Maple Ridge B.C. Canada. www.qsl.net/ve7rmr/
- December 8** NWVRS monthly meeting and annual Holiday Party 10 am. Election of officers for 2007.

Roster Revision and Reprint

by Rick Walton

We'd really like to reprint the Club Roster so that every member is represented, and represented accurately. We'd like to print in April for distribution in May. The inside back cover of this issue has all the information you need. Please fill in with the information *we* need to compile a roster with useful information for everyone!

Photo Display

Photos by Rick Walton

These are the converters and appliances (with one exception) shown at last month's meeting. On this page are the converters made by Portland's Shorty Mfg. The label was on the bottom of one of the sets. On the next page are other converters, plus George's radio acquired from Jerry Talbott.



Art Redman - Shorty



Mike Parker - All-Aire



Tony Hauser - Shorty

All-Aire Short Wave Adaptor
INSTRUCTIONS to Install
 1. Remove detector tube from radio.
 2. Insert detector tube in wafer socket at end of cable with smooth side of wafer away from tube.
 3. For No. 27 detector tube connect short "red" and "black" wires on wafer socket. For No. 24 detector connect short "green" and "black" wires together.
 4. Connect long "black" wire to ground post of radio. Connect long "blue" wire to aerial post on radio.
 5. Turn small knob clockwise as far as possible. Turn large knob till white dot is at top. Listen for station signals then adjust to proper volume.
 Phone _____
 For Additional Information _____



Tony Hauser - Shorty



Jay Johnston - Shorty and All-Aire



Joe Corsi - AMRAD



Jay Johnston -
RCA Channelyst UHF converter



Sonny Clutter - Stromberg-Carlson phono pickup
and Philmore phono converter



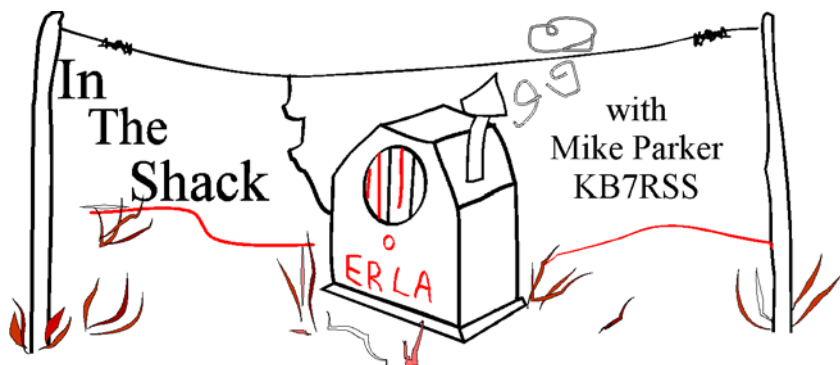
Dick Bixler - Philco
Model 4 SW & TV converter



Mike Parker - Receiver
used with All-Aire converter



George Kirkwood -
Super-het from Jerry Talbott



Editor's note: This "In The Shack" article is from the July, 1997 Call Letter!

The Ubiquitous 27

Of all the old time radio tubes we all know and love, I think that my favorite just might be the good old type 27 triode!



Why?... well, the real old ones (UY-227) and variants of that number, look a lot like the UX-201A battery set triode that they replaced. They have a globe or balloon shaped envelope, they can be found in blue glass, if made by ARCTURUS. They look good and authentic in a radio of that vintage and give off a healthy glow when they are working... more about that, later.

They are also very plentiful and not very costly to buy, especially the ST, (Shoulder top) version, known simply as the "27" after 1932. In the years of the 27, or "life span", which I am guessing to be from 1927 to 1935, excluding "replacement" tubes made years later, much more than a million must have been made!

But here is something odd... Is it just a coincidence, or did RCA designate it the number 27 because of the year it was introduced? This does not hold true for the 24A, which was not introduced in 1924. It may apply to the 26 and the 30 but given the large variety of tube type numbers this would never hold and perhaps I am just playing a little "guessing game!"

It is interesting to note the progression of tube designation numbers from the 1920's when they were UY-227 if made by RCA, that company having an exclusive on the letter "U" for some reason, and the letter "Y" designating a 5 pin base. Other manufacturers used their own letter such as the SY-227 by SYLVANIA or NY-227 by NATIONAL UNION. This

system continued until around 1930 when the letters were dropped and the tube was known as a -227 or a '227 or simply a 227. By 1932, when the ST type envelope was introduced, a two digit system was started and the tube was simply a 27. 1932 seems to have been a real watershed year for radio tubes. Many new types with multi- functional capabilities, variations in filament voltages and multi- element types such as the pentode were introduced, all products of much research and all of this in the middle of a gripping depression. About this time the new number-letter-number tube type designation was initiated. Thus a 2A3 was a 2.6 volt, amplifier tube with 3 elements, etc.

The old 227's are quite peculiar in some respects. The heater element in particular, was slow to warm up. I have a 1928 BRUNSWICK 5NO superhet, which is really a RCA RADIOLA 60 clone, which uses no less than seven type 227's and a -71A. I have timed it with a stopwatch from switch on until full audio power — 52 seconds... almost a minute! The element construction on the earlier 27 looks rather primitive and one can see the mesh or screen of the cathode around the heater element. An actual insulator tube was employed between the heater element and the cathode and this is credited as the reason for the slow warm up. There are two levels of filament brightness with these: either a dull orange glow or a full brightness like a light bulb. I still can't tell if this is particular to the tube brand, or it's age or condition. Some of the earlier 27 ST types exhibit this symptom also. The later 27, using the improved, conventional element construction, glows with a very predictable uniformity and warm up time is noticeably faster.

Although the 27 was developed as a general purpose triode, it was used ubiquitously as a detector tube in radios using the type 26 for RF and amplification because the 26, with it's directly heated high current low voltage filament, did not make a good detector tube due to high AC hum levels. The type 27 was such a success as a detector that even up into the early 30's, receivers using the new screen grid pentodes still used the lowly 27 triode as a detector tube. Based on this usage, the type 56 tube was developed and was really a 27 with a higher plate voltage limit and a higher plate current rating.

From 1933 on, the gradual demise of the 2.5 volt filament radio had occurred and 6.3 volts became the standard filament voltage. The 27 was simply replaced with the type 37 triode rated at 6.3 volts, using the familiar 5 pin base. After 1935, when the octal tube base was developed, the 6C5 triode became the octal base equivalent of the old type 27 tube.

The 5 pin base, as used on the type 27 tube, was not missed much by anyone after the advent of the octal tube base. The 5 pin base scheme was probably the most cursed tube pin arrangement on the planet. If you have ever had to reach into the back of a radio cabinet, filled with transformers

and IF cans and replace a 5 pin tube located in the far front corner behind the tuning condenser, after spinning the tube around a few times and hoping the pins line up... well, you have now had your stress test!

Have a great summer and I will QSO you sometime this fall, IN THE SHACK.

Tech Tips

by Sonny Clutter

When restoring old battery radios (and some early AC sets) of the 20's you'll often need the old style lacquered spaghetti, which can be difficult (if not impossible) to find. When it comes to the old style spaghetti, you can make your own.

Here's how you replicate old style spaghetti.

1) Find some of the old style cloth shoe strings (they too, are getting hard to find). These old shoestrings look flat but are really tubular (hollow inside, pressed flat).

2) If they (the shoestrings) are not the color you want, you can dye (the white ones) to the desired color.

3) Cut the shoestrings to the desired length and slip a piece of straight, solid wire through the center. Old wire coat hangers work well (again, may be hard to find these days). Stretch it out over the wire and let dry.

4) When dry, carefully remove the dyed cloth from the wire and give the wire a good coat of wax* and slip the cloth back over the wire (being careful not to get any wax on the outer surface of the cloth).

5) Now give the stretched out wire a number of coats of clear lacquer. When the desired number of coats have been applied and dried, you have a good replica of the old style spaghetti.

*The waxed wire will keep the lacquer that penetrates through the wire from working as an adhesive.

When traveling the old highways and back roads and you find an old general store (or hardware store), it pays to stop and look around. Some of these old stores will have old inventory that can't be found anywhere else. I've found and stocked up on old shoestrings and some old hardware items found in some of these places.

MORE TECH TIPS CAN BE FOUND ON MY WEB SITE: <http://www.radiolaguy.com/SonnysTechTips.htm>

Voilà

...new and recent finds by NVRS members

Compiled by Jay Johnston

Jay Johnston: *Crosley JM-8 "Treasure Island"*. This book-shaped hybrid tube/transistor radio came in 7 titles. "Treasure Island" makes my fifth, and I'm still on the prowl for the other 2!

Radio Specialty Mfg. Co. quartz crystal. The local manufacturer of this 3943 KHz communications crystal will be the topic of an upcoming ARC article authored by club member Art Redman.

Meier & Frank radio. A nondescript 1950s tabletop with wood cabinet and plastic front. The manufacturer is unknown but "C-R" is stamped on the bottom.

Bill Meloy: 1931 Atwater Kent 6-tube cathedral, perhaps model 84B. It was found in Palm Springs, and will be a challenging restoration.
1946 RCA 6-tube AC/DC model 65x5 (the 12,000 miler). It needs no work excepting some minor cabinet touch-ups.

Liles Garcia: a working *Hallicrafters S-20* receiver.

Rick Walton: *Rider volume 23*. An eBay find that only cost me an arm, not an arm and a leg.

Rider volume I-V Abridged. Another eBay find.

Monarch 5-tube plastic. Another of the little '50s and '60s Japanese tube radios. This one is painted pink (definitely not original) but looks like it might be white under the paint.

Learradio 6616. 1946 white painted bakelite. Standard broadcast.

Miscellaneous *Radio World* and *Radio News* magazines.

Send word of your latest find to Jay Johnston, wihat@msn.com, or by post at 1451 SW Market St., Portland, OR 97201-2555.

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: **\$50 - Sprague TCA-1 Transfarad Capacitor Analyzer. Works fine. Similar (predecessor?) to Tel-Ohmike, leakage measurement is more sensitive but 150V max, schematic and Quick Reference available on BAMA.

\$50 - Weston TV-4/USM-3 tube tester. Works fine. Emission-tests pre-octal, octal, loktal, 7/9 mini, acorn, maybe straight or circle submini, can't remember. Very compact, with chart in an Excel file or printout. Contact Dave Wise,

FOR SALE: **Complete set of Riders Perpetual Troubleshooter manuals, Vol. #1 thru and including Vol. #23, plus Vol. #1 thru 5 Abridged. Also includes Sam Photo Facts #1 thru #j90 in Sam's holders. Several indexes for both Riders and Sam's. All in Very Good condition. Have been on shelf in heated shop for past 22 years. \$650.00 Bob Schafer WA7IHN in Aumsville. 503-749-1149.

WANTED: Pre-1920 meters. Contact Len Cartwright, 503-690-0472, email: lencartwright@msn.com

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

Repair or replacement of pre-1930 meters. Over 200 in stock! Contact Len Cartwright, 503-690-0472, email: lencartwright@msn.com

Bill Meloy: I need the metal frame (spider) that holds the speaker cone for my 84 Atwater Kent. I miss you guys and the club activities. 'Will be back in Gresham by May.

Desert phone: (760) 251-2515

69245 Westwood Court

Desert Hot Springs, CA 92241

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>

Special Sale

The next two "For Sale" entries are listings of radios from Ron Hershey's extensive collection. The first group is being handled by Mark Richardson, and the second group by Liles Garcia. Contact them for price and availability. For inquiries about other items in Ron's collection or about the disposition of the collection, contact Sonny Clutter, by e-mail: sonny@radiolaguy.com, or by phone: (360) 834-5741.

FOR SALE: Brandes R 15 console (Kolster). Chassis excellent, lights up could not hear any stations. Will need grill cloth and refinish, cabinet is sound
GE console Model HJ-905, very good cabinet, lights up and hums, does not receive stations

General Radio CAG 60006 Signal Generator, With power supply, one complete with power cords, not tested yet (2 available)

Hallicrafters S-38A parts set

Hallicrafters S-38D parts set, painted green

Hallicrafters S-19R Sky Buddy, looks nice but has been repainted, does not work, audio transformer is defective

Hammarlund HQ-129-X, good condition in and out, wrong band-spread and main tuning knobs, Working good, needs controls and switches cleaned and alignment touch up

Hammarlund HQ-140-X, good condition in and out, scratches on top cover, working fine, needs an alignment

Hammarlund Model HQ-170 with clock, excellent cosmetic condition, could use a realignment but otherwise fine

Hammarlund Model SP-600-JX-26, front panel and chassis fair, missing tuner bottom shield, the radio is dirty, gear-train is dry, not checked yet

National HRO-5T (gray army version), case in good condition except as noted below, chassis in very good condition, older electronic restoration, most caps under chassis replaced with quality caps, radio receives well, Mods: a speaker was added inside the case (left rear side) and a few grill holes drilled, not too noticeable, audio xformer is not stock, 2 slots were cut in lower rear (bottom of) case to accommodate the mounting screw heads, includes matching 697 Power Supply, matching A through D coils, 15 meter band-spread coil, missing 6V6 shield

National HRO-60R (rack mount), front panel and dial good, chassis has surface corrosion (not too bad), working but needs restoration for best operation, with A through J coils to cover 50Khz to 30Mhz

National NC 2-40-C, lights up, speaker socket broken, chassis modified, front panel and case fine, untested

National NC-2-40-D, front panel and knobs excellent, minor corrosion inside case, Chassis has surface rust and corrosion - looks only fair, working and very sensitive, some restoration work and alignment is needed, someone added a small circuit board (with miniature tube) to top back of chassis-

should be able to remove

National NC-300, front panel and case look fine, chassis has minor surface corrosion, powers up and makes noise, does not receive any signals, needs restoration and cleanup

National RAO, version not known, front panel and case in good condition, chassis is excellent original and complete, radio has not been restored but is in good operational condition, dial calibration is very good!

National RAO-7, may be a parts set, case fair

Scott SLR-12-B, BC and 2 shortwave bands entertainment mil receiver, chassis has some mice signs, but good otherwise, picks up stations, working

Contact **Mark Richardson** at (360)837-3823, email: mhr@wwestsky.net

FOR SALE: Eico Model 147A Signal Tracer, complete, untested

General Radio Type No 1800-A VTVM, wood case, clean, complete

Hallicrafters SX-71, very clean, not tested yet

Hammarlund HQ-129-X, complete, rusty

Hammarlund SP-600-JX-10 Super Pro, complete, some features modified out, clean, checking in progress

National NC-2-40-CS, special LF band-no BC band, modified, no case but otherwise complete, not checked yet

National NC-200, complete, no bottom cover, not checked yet

Precision Model E-200-C RF Signal Generator, clean, complete

Scott RCH, military morale receiver, rusty, not checked yet

Scott SLR-H, military morale receiver, BC band, 2 SW bands, rusty, not checked yet

Scott SLR-H, military morale receiver, BC band, 2 SW bands, clean, nice case, not checked yet

Contact **Liles Garcia** at (503)649-9288, email: landn2@verizon.net

RCA TUBES MUST GO!

**GIGANTIC OVERSTOCK OF POPULAR TYPES
FORCES RIDICULOUS LIQUIDATION PRICES!**

Every Tube New — Clean — Fresh Stock — Guaranteed 6 Months!

Buy plenty and buy them quick! These crazy prices are effective only on our over-stock—and only on group orders for 15 tube lots or multiples thereof—Your choice of types in either group. Every single type is a "Fast Mover"—You can't go wrong in buying at least 15 assorted tubes of each group—The more you buy, the more you save—NOW!

<p style="text-align: center; margin: 0;">GROUP "A"</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: middle;"> RCA TYPES <ul style="list-style-type: none"> 6A7 6A8G 6Q7G 25Z5 </td> <td style="width: 50%; vertical-align: middle;"> RCA TYPES <ul style="list-style-type: none"> 41 42 75 77 </td> </tr> </table> <p style="margin-top: 10px;">Your Choice of Tubes in Group "A" 15 for \$4⁹⁹</p>	RCA TYPES <ul style="list-style-type: none"> 6A7 6A8G 6Q7G 25Z5 	RCA TYPES <ul style="list-style-type: none"> 41 42 75 77 	<p style="text-align: center; margin: 0;">GROUP "B"</p> <p style="margin: 5px 0;">A Pair of Red Hot "Fast Sellers"</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: middle;"> RCA TYPE 26 </td> <td style="width: 50%; vertical-align: middle;"> RCA TYPE 27 </td> </tr> </table> <p style="margin-top: 10px;">Your Choice of Tubes in Group "B" 15 for \$3⁷⁹</p>	RCA TYPE 26	RCA TYPE 27
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This flyer came from a 1940 Burstein-Applebee catalog supplement. Don't you wish you could get those tubes at those prices?

The Back Page

This is the back page of a French radio magazine, *La T.S.F. Moderne*, the March, 1923 issue. T.S.F. stands for *Téléphonie sans Fil*, which translates as telephone without wire.

La Téléphonie sans Fil pour Tous
 PAR **LE "RADIOLA"**
 79, Boulevard Haussmann, 79 — PARIS
 Télégr.: *Telode-Paris* Téléph.: *Central 69-45, 69-46*

LE
"RADIOLA"
EST LE
PREMIER
APPAREIL
DE T.S.F
CONSTRUIT
EN
GRANDE
SÉRIE



L'APPAREIL
LE PLUS
SIMPLE A
MANŒUVRER
L'APPAREIL
LE MIEUX
ÉTUDIÉ
AU POINT
DE VUE
TECHNIQUE

Voulez-vous entendre chez vous les Concerts Radiola, les Communiqués météorologiques, etc.

ACHETEZ
LE
RADIOLA

**LES
AMPLIFICATEURS**

à deux, trois
ou quatre éléments



La série de nos
AMPLIFICATEURS
répond à tous les besoins

**LE
RADIOSTANDARD**



Utilisable dans toute la
France sur antenne

**LE
DIFFUSEUR**

Le meilleur diffuseur
existant sur le marché



Reproduit sans
déformation : La Parole,
Le Chant, La Musique

Visitez notre Magasin de vente : 79, Boulevard Haussmann
où vous trouverez tous les Modèles d'Appareils que vous pouvez désirer

Référez-vous de notre Publicité

Member Information

We plan to update the membership roster and publish it in April. Just in case we don't have your most current member information, please take the time to send the information requested on this form by March 31.

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.