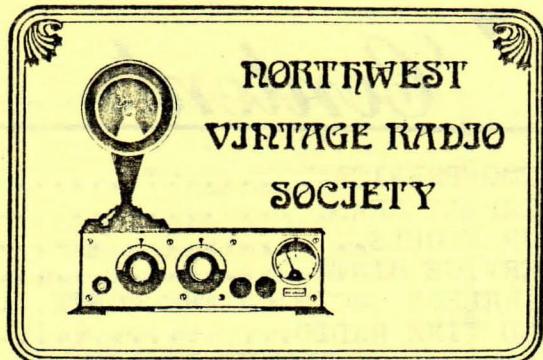
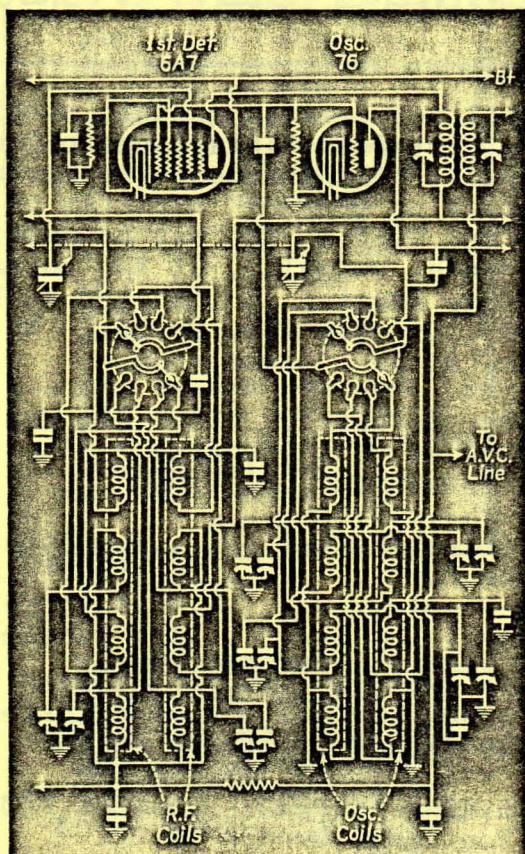


VOL. 7  
No. 9



SEPT.  
1981

# CALL LETTER



All-Wave Mixer Stage

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## **CALL LETTER**

The Call Letter is a monthly publication of the Northwest Vintage Radio Society, a non-profit organization, incorporated in the state of Oregon. Meetings of the Society are held on the second Saturday of each month, normally, at the Buena Vista clubhouse located at 16th and Jackson Streets, Oregon City, Oregon. Meetings convene at 10 o'clock A. M.

\*\* \* \* \* \*

Editor-in-chief..... Jim Mason

90 N. W. 150th Ave.

Beaverton, OR 97006

Ph: 644-2343

Contributing Writer.... Tom James

Power Supply..... Bobbie Kibler

Our People..... Hugh Ranken

Advertising Mgr..... Art Redman

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Feature articles are contributed by members under various by-lines. Please send all contributions to the editor.

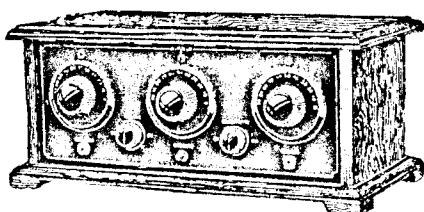
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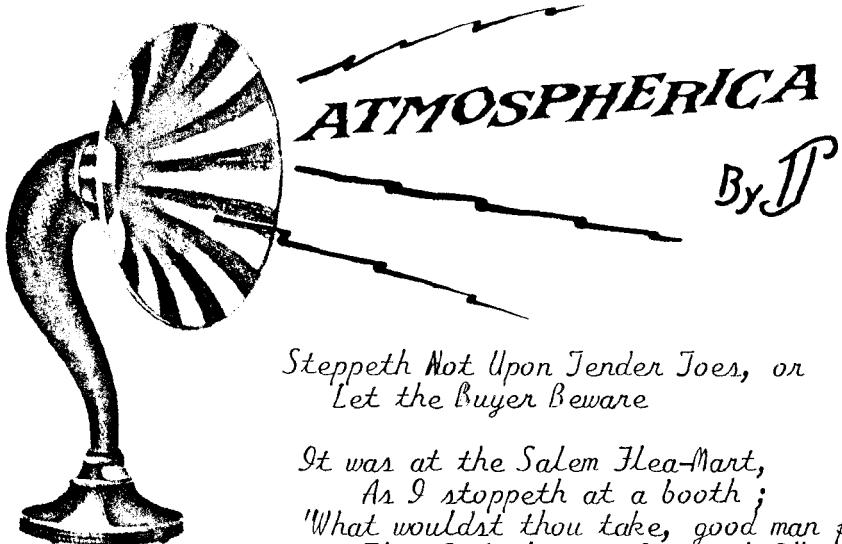
Call Letter address: P.O. Box 02379  
Portland, Oregon 97202

## I AM RADIO

*Written Especially for this Magazine  
By Roland Rathbone*

*I am your jack-of-all-trades  
Who accomplishes for you  
More than a hundred servitors  
Could adequately do;  
I am your music-master,  
Your doctor, clergyman,  
Your college, your professor,  
Also your baseball fan;  
I am the wing'd mercury  
Who hastens to your side  
With useful information  
That I gather nation-wide;  
I am your politician,  
Your lecturer, your guide;  
I entertain your children  
And I tell you how to dress,  
I carry you the latest news  
Even before the press;  
I am your business agent  
Who reports at close of day  
To you within your easy chair  
All that the markets say;  
I am your friend and helper,  
Whose hand is never weak—  
I am the universal voice  
And millions hear me speak;  
I am an ever-present force  
Of uplift in your life,  
I check the march of weariness  
And blunt the sword of strife;  
And much more that I hold in store  
Posterity shall know,  
For I am an undying thing—  
**I AM RADIO!***





Steppeth Not Upon Tender Toes, or  
Let the Buyer Beware

It was at the Salem Flea-Mart,  
As I stoppeth at a booth;  
'What wouldst thou take, good man for  
That Radiola III forsooth?"

The man flashed brite one golden tooth  
As he took a closer look.  
'Well it seemeth such a pity  
That we've underpriced the book!"

"It's known in Santa Clara and  
Far Texarkana, Je.,  
That two hundred fifty iron men  
Is the price they'll ask of thee".

"Methinks it's print is dim and faint",  
Say I, "W.D.s are gone-----,  
Cabinet be a tad askew,  
And the finish sad and wan!"

His face grew red-- he blustered,  
And he waved his arms aloft,  
'Well nameeth then a price that suits,  
(Gadzooks, am I going soft)!"

"Oh, methought that thirty clams would---"  
I retreated forthwith fast---  
In time to parry off his thrust,  
As that set went whizzing past!

\*\*\* \* \*\*\* \* \*\*\* \*

Mamma Goose # 11

A dollar, a diller, a many tube feller,  
No five tube puries'll do.  
You used to care for the ordinaire,  
Now just the big "Super" for you!

# DISPLAY

DRESS REHEARSAL  
SEPTEMBER MEETING

A Dress Rehearsal ? Not Really. President Don felt that the September meeting would be a good oportunity for those who wanted to bring the radios which may look good in the Georgia Pacific Display. There are many who won't be able to move all their radios to the meeting, or who can't make the meeting. If this is a problem, give me a call; I'll take your list over the telephone. In late September transportation will be arranged for the radios to the GP building.

To bring everyone up to date ---

There will be a large display case for pre-20s radios. There will be a smaller case for small and/or unique crystal sets. Don Iverson will display his own case of tubes in addition to a table-top case which will be tubes and radio parts. There will be a "ceiling-to-floor" display case for speakers. I'd like this to cover as many different varieties as possible. There will be two more table-top cases for books, magazines and documents. On the wall near these I'm looking for a radio wiring diagram to display "under glass". We have large wall spaces to display Ad posters, photos, and/or the club banner. Any of these of value will be covered by plexiglass for protection.

The last and largest area has a pie-shaped floor plan. It measures approximately 10' by 14' by 11', and was envisioned as being an open area for a "panorama-type display". Apart from the one display case, all of the display area is open floor and counter space.. If we can secure it from the public, this will make an attractive display of 20 to 30 table radios and 4 to 5 consoles. I'm meeting with the GP people again very soon to take care of this.

At my last meeting, GP approved the purchase of fabric to dress up the display. Also they have been asked to set the entire display (i.e.: plaques, labels etc.) up for the blind. We have already started getting publicity and these tours of blind people will make a good impression.

As they used to say "we're a little late folks!" bye.

# OUR PEOPLE

August 8, the date of the Club picnic, was one of the hottest days of the year ... a real scorcher at 100 plus degrees. The picnic fare was excellent and everyone seemed to have a good time, even with the abnormal temperature. Thanks to the Power Supply for putting it all together.

Novelty radios comprised the display for August ... miniature pianos, a horse radio, a lamp with a radio in the base and an unusual radio in a bottle ... sounded quite good too.

"Show 'n Tell" for September will be for radios which will be possible entrants in the forthcoming Georgia-Pacific display. Bring the sets you would like to show so the display committee can get an idea of what is available to fit their space requirements.

\* \* \* \*

To combat widespread blackmarket activities due to the reduced supply of radio tubes during the later years of WWII, the Office of Price Administration (OPA) on May 20, 1944, issued specific wholesale and retail prices on tubes and services. Some of the regulations (or restrictions) were:

- (1) The retailer cannot charge the customer for testing tubes when they are brought to his shop.
- (2) When a portable or table model is brought to the shop to have tubes tested or replaced, the dealer may charge a maximum of 50 cents for testing all tubes, or if the chassis must be removed from the case to reach the tubes, he may charge \$1.00.
- (3) The regulation reaffirms the customary 90 day guarantee given by the industry against defects in parts and workmanship.
- (4) The dealer must post a list of tube ceiling prices in his shop ... lower prices may be charged ... used and sub-standard

tubes are not covered. Following are 1944 retail ceiling prices on some of the most commonly used tubes:

80 .....	.70¢	50L6GT .....	1.10
42 .....	.85¢	35Z5 .....	.85¢
6SK7GT .....	1.10	12SQ7GT ....	1.10
6F6G .....	.90¢	12SA7GT ....	1.10

Even with the problems and stresses of war and food, gasoline and tire rationing, the bureaucrats seemed to find time to at least try to protect the public from inflationary measures.

Back in 1944, with the supply of new tubes at a critical low level, Radio Tube Service, Inc. of Brooklyn was advertising - "Dead Tubes Brought to Life". They claimed that new techniques at RTS would re-activate thorium, connect open filaments and clear shorts and microphonics. They further claimed their process would restore practically any tube. They guaranteed efficient performance for 30 days, with each tube checked not only on a tester but in a set for playing. The cost ... 50¢ each.

At the same time JFD Mfg. Co., also of Brooklyn, was advertising the JFD Sockets .. 122 different types of adapters to permit the use of available tubes in place of scarce or off the market ones.

\* \* \* \*

It was decided to hold the Fall Swap Meet at the Club House, after the regular meeting of October 10. The Swap Meets are always a high point in Club activities .... if you have parts, literature or some nifty cathedrals bring them out to the meet.

By HUGH RANKEN

## S W A P S H O P (concl.)

WANTED Old motorcycles and parts.  
Trade battery radios, crystal sets, tubes, books, etc. Don Iverson, 10115 NW St. Helens Rd., Portland, OR 97231. Ph. 286-1144.

FOR SALE Cloth-covered (gold) line cord, 15¢/ft. Jerry Talbott

WANTED Dial assembly for Philco 70, push-buttons for Philco slope front 1939 table set, "Pathé" brand 78 RPM records. Jerry Talbott, Ph. 649-6717, home, 627-1675, work.

### SERVICE HINTS

---

**Philco Model 20.** This one had a bad hum, especially with a carrier tuned in, and acted as though there were no filter condenser. After heating the can and sliding out the filter condenser block it was found that the B-jumper was poorly connected to the condensers. This jumper is on that end of the block opposite from the leads.—H. R. Anderson, 6038 Telegraph Ave., Oakland, Calif.

**Philco Model 20.** A Model 20 Philco tuned broad and oscillated with volume control on full. By-pass condensers were all checked O. K. The screws holding the variable condenser to the frame seemed tight, but a wire connected from the condenser gang to the chassis cleared the trouble.—Leo Zimmer, 63 Russell St., Canisteo, N. Y.

**Philco 20.** Bad tone, pitched higher than normal. Replace old cone using solidified disc with new spider type cone.—Radio Retailing

**Philco 20.** Intermittent reception is usually due to fine wires coming from by-pass condensers encased in small bakelite cases making and breaking connections. About the easiest way of finding the one causing the trouble is to probe at the lugs with a sharp-pointed instrument. An ice-pick serves quite well.—E. Sosnoski, Waverly, N. Y.

**Philco 20, 70, 90, 112, 91, 71.** Noisy when chassis is struck or moved. This condition is only experienced with an incoming signal. Check coil shields for solid contact with chassis, also check coil bracket supports for the same condition. Incidentally this trouble will correct itself while your searching for it if you turn the chassis up-side down. Keep chassis in a verticle position until the trouble is located.—George E. Hohman, Baltimore, Md.

## Wireless Quote Of The Month

The commercial broadcasting industry began with a newspaper advertisement ran in The Pittsburg Sun of September 29, 1920. The Joseph Horne department mentioned that radio receiving sets were for sale that could pick up the broadcasts of a local amateur, Frank Conrad. The slant of the following ad was unique because radio was no longer viewed as being only for the ham or technical person but for anyone who would buy a set and just tune in.

### Air Concert Picked Up By Radio Here

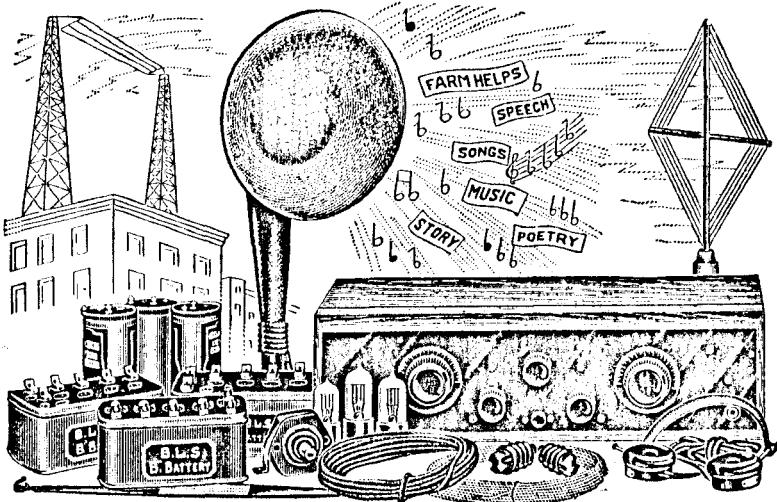
"Victrola music, played into the air over a wireless telephone, was picked up by listeners on the wireless receiving station which was recently installed here for patrons interested in wireless experiments. The concert was heard Thursday night about 10 o' clock, and continued 20 minutes. Two orchestra numbers, a soprano solo which rang particularly high and clear through the air, and a juvenile 'talking piece' constituted the program."

"The music was from a Victrola pulled up close to the transmitter of a wireless telephone in the home of Frank Conrad, Penn and Peebles avenues, Wilkinsburg. Mr. Conrad is a wireless enthusiast and 'puts on' the wireless concerts for the entertainment of the many people in the district who have wireless sets."

"Amateur Wireless Sets, made by the maker of the Set which is in operation in our store are now on sale here \$10.00 up."

A vice president of Westinghouse, Harry P. Davis, saw this ad and realized the market existing for commercial broadcasts and the receiving sets needed to hear the broadcasts. Conrad's station became KDKA and Westinghouse Corp. marketed the first mass-produced receiver, Aerola Junior.

## — LOGODYNE SPECIAL —



Never before have we had the opportunity of offering merchandise to our customers in which there was more real satisfaction and confidence that it would give our customers the kind of service they have reason to expect than on the Logodyne Special Radio Receiving Set.

The Logodyne is receiving praise in every section of the United States. Enthusiastic reports are coming from every part of the country, to the effect that the set is the most selective, has the highest quality of tone and is easiest to tune of any set they have ever seen or heard.

### EASY TO OPERATE — HIGHLY EFFICIENT

This set consists of one stage of non-radiating, non-oscillating Radio Frequency amplification. It is equipped with an Armstrong Regenerative Feed-Back Detector which reflexes back on the first tube for first stage of Audio Frequency and the third provides the first stage of Audio Frequency Amplification, making it equivalent to the ordinary five tube set. The Logodyne is very easily tuned, having only two tuning controls. These two controls can be logged so that once a station has been heard it is only necessary to set the dials at the particular point at which they were heard, pull the switch and if broadcasting, they will be there. It is equipped with two rheostats, one controlling detector which can be set accurately on reception of the first station. The other rheostat controls both tubes of Amplification, and also regulates the volume and clarity.

### COMPLETE IN EVERY DETAIL

The Logodyne is mounted on a neat Formica Panel and placed in a walnut finished cabinet, giving it a very neat appearance and a finish that will harmonize with the most hand-some furniture in any home. Our low price includes absolutely everything needed for the installation of the Logodyne Special Receiver. The equipment consists of three Radio "A" Batteries, three 22½ volt B.L.S. Tapped "B" Batteries, Electrad Lead-In, Lead-In Wire, 100 ft. Antenna Wire, two Porcelain Insulators, six Porcelain Knobs, one Headset, three C12 or WD12 Tubes. Loud Speaker may or may not be included. If you prefer you may select your own Loud Speaker from page 10 of this Catalog. We positively guarantee that you will under favorable conditions get coast to coast reception, clearly & satisfactorily.

53 353. Logodyne Special, with three C12 or WD12 Tubes, Headphones, Batteries, Aerial and Ground Equipment, Lightning Arrestor but without Loud Speaker.....	\$84.95
53 C 477. Above Set with Tubes, Batteries, Aerial and Ground Equipment, Lightning Arrestor and Loud Speaker but without Headset.....	\$91.25
53 C 478. Above Set with Tubes, Batteries, Aerial and Ground Equipment, Lightning Arrestor, Loud Speaker and Headset.....	\$94.40

Postage extra 70 cents

# Old Time Radio

## DESCRIPTION OF BROADCASTING STATION "CL8", VANCOUVER BARRACKS, WASH.

The short wave receiving set, consisting of a vacuum tube detector, honeycomb coils and two steps of audiofrequency amplification, has proved highly sensitive and efficient for both day work and for the reception of concerts and other radiophone broadcasts from all over the Coast and many points to the east. Besides the scheduled broadcasting from Portland, music and press are plainly heard from the Seattle P. I. (KFC); Los Altos, Cal. (KLP); the Presidio of San Francisco; the General Hospital at Denver, Col. (DD5), and many other far-distant points too numerous to mention.

This receiver, as well as the spark transmitter, is a specially designed instrument and was built from unassembled parts purchased from the funds of the Post E. and R. Department. Both transmitter and receiver have proven themselves more than satisfactory and fully equal in results to the costliest commercial sets on the market. In this connection it is worthy of note that with all its variety and completeness, \$1,500 would cover the entire cost of the apparatus in use at CL8. Of this amount by far the largest proportion is represented by the Signal Corps equipment brought down from Camp Lewis.

In addition to the equipment mentioned above, this station also has at its disposal an excellent CW field set, SCR-79. Like the radiophone, this panel also includes a vacuum tube detector and two stages of amplification. In a separate cabinet is housed a Signal Corps two-stage amplifier, which is available for any desired use. This last amplifier is now used in connection with the long-wave, honeycomb coil receiving set on which Nauen, Germany, the Eiffel Tower, Paris, WGG at Tuckerton, N. J. NSS (in fact, all

the big east coast stations), NPM at Honolulu, NPN at Guam and a host of other high powered stations in all parts of the world are successfully copied.

In conjunction with the radio school conducted in the same building these coils are now connected to the individual headsets used in buzzer practice by each of the students. In this way the whole class can listen in simultaneously on the commercial stations. At present 18 men are taking the course, and are copying all the way from 15 to 25 words per minute. Arrangements have been made to give all who so desire an opportunity to take the regular commercial license examinations on the next visit of the government district inspector. Besides being vocational, this school is responsible for the complete training of the telephone and radio sections of the brigade and Fifty-ninth Infantry Headquarters Company.

One more detail still further illustrates the completeness and self-sufficiency of this remarkable station. A complete battery-charging motor-generator has been installed in the building and can take care of an unlimited number of storage batteries. It is little wonder that the Ninth Corps area inspector, on a recent visit from headquarters at the Presidio, highly commended the work of the outfit and pronounced the station by far the best equipped and maintained in the entire corps.

(concluded)

From "RADIO WAVES", June, 1922

# Ole'! by T.J.

As the months and years roll by, in this business of collecting old radios, specifically those with the well known thermionic vacuum tubes in the circuit, the attractiveness of the johnny-come-lately transistor bearing types becomes more attractive. As for now, there is still a few attic and mantle jobs around, which for one reason or another, are put on the market from time to time. These then are the life blood of Ole'.

Jerry Talbot : A.K. model 53 with the metal cabinet. And a Philco 76, a "spindle legged job, with owners instruction manual. Glad he got this before the antique dealers anted the price on him.

Jim Mason : A nice R.C.A. 1922 regenerative short wave receiver. ( Short wave in 1922 was quite different than at present ). A Radiola 111A detector - amplifier ( no tubes ). Kilbourne and Clarke parts, Magazines, and old instruction sheets. Really good vintage stuff !

Tom James: Magnavox console, wout/ spkr. Silvertone Mod. 4789 console without plastic escutcheon. Atwater Kent mod 89 chassis wout/spkr. or cabinet. Just a bunch of Swap-shop stuff, valuable if you needed it.

I think that in the instance of some of these old console models, that instead of paying to get them, that we should charge a nominal fee for hauling ~~them~~ away !

So much for Ole' for this month. I hope we can do a bit better next month !

\*\*\* \*\*\* \*\*\* \*\*\* \*\*\*

A chap christened Oliver Grieve,  
Now has a Majestic peeve.  
Found one in an attic,  
Which made him ecstatic;  
But that's all the darn thing 'd receive !

That's all tj/8/81

# CARTOON CLIPPINGS



"To have good reception, it's very important to put the plug in a socket!"



"There'll be a slight delay, Madam—I got awful mad at your radio today."



"Ask him what our orders are, he swallowed our radio!"

# I Q Primer...

by THE PROF.

This one is for you radio repair types with a somewhat amateur standing.

Just mark the correct box for each circuit condition.

1. If the A.V.C. bus is shorted to ground, the set volume will be : Up , Down , Sideways .
2. If ~~a~~ screen grid tube has a shorted-to-ground screen connection, the set volume will : Increase , Decrease , Oscillate .
3. The power transformer high voltage winding is above ground at the center tap by a few hundred ohms. The reason for this is: Stops motorboating , Regulates the plate voltage , Supplies tube bias voltage .
4. A positive grid bias on the power audio tube is usually caused by: Low plate voltage , Open bias resistor , Shorted or leaky coupling condenser from preceding stage .
5. A microphonic tube is one that: Is used in a mike preamplifier , Brings in two stations at once , responds to mechanical vibration .

\*\*\* \* \*\*\* \*

Last month's limerick with the fractured words turns out to be really simple--I had to figure out the answer myself, because I lost the original copy.

There was an old gaffer from Lents,  
Who some folks thought lacking in sense,  
For out in his shed,  
'Twas commonly said,  
He had sixty four Atwater Kents !

\*\*\* \* \*\*\* \*

Lucy Wyre says she got a crackerjack of a good radio the other day, in fact that's where she got it, in a Cracker Jack box : it was made in Micronesia.

# SWAP SHOP

## FOR SALE

A Sparton cabinet, circa 1932, perfect condition with doors and inside face board like new. (It's got a label in it from Meier & Frank).

## FOR TRADE

Federal vernier dials, one set of 3 dials. FADA ganged capacitors, set of 3 on  $\frac{1}{2}$ " shaft. RCA Radiola drum dial console face board, refinished, only 1 crack.

## FOR THE ASKING

Tapes of old radio shows. You name it, I'll find it. I like looking for them, if someone else can enjoy them. Bring the tape you want it on to a meeting, or call Dick Karman.

## WANTED

Empty speaker enclosures - perhaps a Peerless, RCA drum, or a horn speaker with enough room for a modern sound producer. The Display Committee would like to borrow these for the Georgia Pacific Display. ALSO, your radios for the Display. Don't be left out; have your name in the credits with all those who have already volunteered their sets.

On all the above items, call Dick Karman at 288-1285.

## TRADE/SELL

Philco console model 91, tubes O. K., set does not work. Art Redman, Ph. (503) 774-4413.

(CONTINUED ON P. 8)