

**NORTHWEST
VINTAGE RADIO
SOCIETY
CALL LETTER**

Mar. '86

Vol. 12 No. 3



A BOARD OF DIRECTOR'S MEETING HAS BEEN ANNOUNCED. IT WILL BE HELD DIRECTLY AFTER THE MARCH MEETING.

ALL OFFICERS PLEASE PLAN TO ATTEND

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The **CALL LETTER**, is published monthly, as the only official publication of the **Northwest Vintage Radio Society** which is a nonprofit organization incorporated in the State of Oregon. Meetings are held on the 2nd Saturday of each month (July and August omitted) at the Buena Vista Clubhouse in Oregon City (see page 3).

President----- Bill DeVey 635-6746
Vice President--- Jerry Talbott 649-6717
Treasurer----- Ed Charman 654-7387
Recording Secretary- Dan Howard 761-7799
Corresponding Secretary -----
Dick Karman 288-1285
Librarian----- Chuck Kibler 678-5066

MARCH

DATE : March 8th, 1986
TIME : 10:00 AM
PLACE : Buena Vista Clubhouse
ADDRESS : 16th & Jackson Streets
Oregon City, Oregon

This is a contest meeting ! Bring your competition class speakers (limit of three per member). Speakers will be judged on esthetics only with a chance to hear them in operation if desired. Ribbons will be awarded for the top 3 speakers.

Also members are encouraged to bring headphones (for display, not contest). A table will be set aside to display the headphones & "phones" related material.

BUSINESS:

Old business will include a location for the Spring SWAP MEET. consideration will also be given to the fate of the Buena Vista Clubhouse (a report was not available at press time).

New business will include seeking a corporate sponsor for an enthusiastic public display series proposed for this fall. Stay tuned for more details (film at eleven).

<p>A BOARD OF DIRECTOR'S MEETING HAS BEEN CALLED BY THE PRESIDENT DIRECTLY FOLLOWING THE MARCH MEETING ALL OFFICERS PLEASE PLAN TO ATTEND</p>

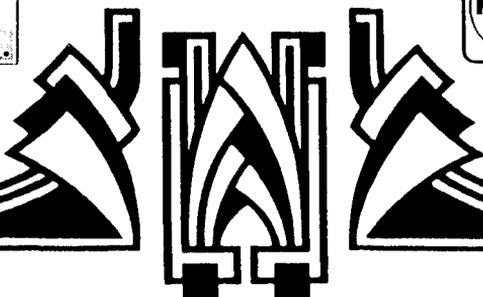
Cascade Surplus Electronics

☀ Phone ☀
☀ (503)285-0832 ☀

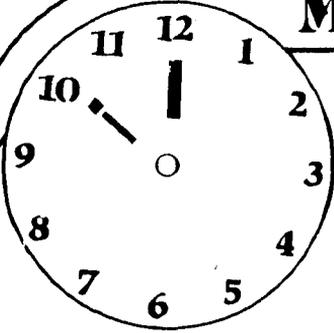
Store Hours: Friday and Saturday 10:00 A.M. To 6:00 P.M.
Sunday Noon To 4:00 P.M.

8221 North Denver Avenue
PORTLAND, ORE. 97217

GARY W. STELLER, OWNER



Meeting Minutes



The February 8, 1986 meeting was called to order by Vice President Jerry Talbott at 10:10 am.. The minutes of the January meeting were approved as published in the

CALL LETTER. The treasurer's report was given and accepted. The current balance in the treasury is \$881.01.

GOOD AND WELFARE:

A card was circulated for member George Rudolph who is in Salem Memorial Hospital.

Andy Bell and Bob Hayes were with us as well as Matt Thornton, a guest from the Puget Sound Antique Radio Association.

OLD BUSINESS:

The Society will have a donated table at the Salem Flea market on February 16.

The Buena Vista Civic Club is planning to meet on February 11th and Dick Karman plans to attend.

NEW BUSINESS:

Various locations for a society picnic were discussed including the Tillamook county Pioneer Museum & Alpenrose Dairy.

The calendar published in the January **CALL LETTER** was approved by consent. The notable consideration was the SWAP MEET being changed to November.

The Contest Committee reports that the March contest will be Speakers. Contestants are limited to three entries. Jim

Mason will bring a radio to test speakers as a service to the membership.

Leads and needs were given & the meeting was adjourned at 10:42 am.

Respectfully
submitted,

Dan Howard,
Secretary

LEADS:

Offered at the meeting were the following gems:

Coast Mirror Company (287-1236) does mirror restoration, even on old radios.

Brown Crackle paint is still available from Antique Radio Supply, Tempe, Arizona.

Black & grey crackle paint is available at Standard Brands and the old Handyman.

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JA MAC PRODUCTS
SPEAKER RECONING ALL MAKES

8600 NE Sandy Blvd
Portland, Or 97220

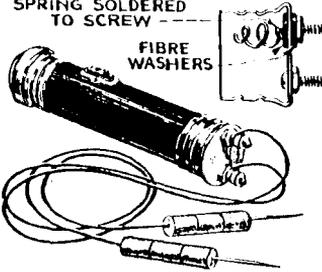
503-252-2929



Hints and Radio

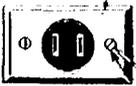
SPRING SOLDERED TO SCREW

FIBRE WASHERS



Circuit Tester; Insulate Spring Post; Lamp Lights When Circuit Is Completed; Posts Shorted Restore Lamp

CONVENIENCE OUTLET



Combined Aerial and Ground Connection, Using Standard Antenna Plug; Connect the Ground as Shown

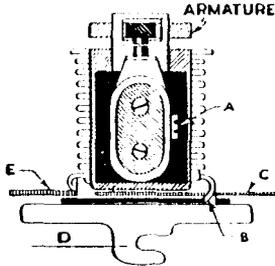
THIS SCREW MAY BE USED AS GROUND



ANTENNA

GROUND

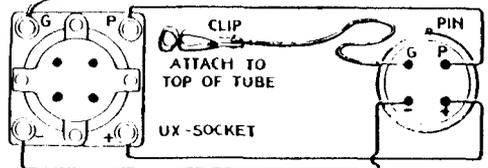
Automatic B-Eliminator Switch Made from Ford Cut-Out; It Is Mounted on a Bakelite Base; See Page 309 for Details



Ship and Moon Cut-Out on Loud Speaker Illuminated by Bulbs at Back, Lit by Bell-Ringing Transformer; Parchment Covers Holes

CLIP ATTACH TO +45 VOLTS

301-A-BASE



Screen-Grid Tube Adapter for Tube Tester; Use X-Type Socket and Base; Plug Tube in Socket and Adapter in Set; Use 90 to 135 Volts Plate, 1 1/2 Volts Negative-C and 3.3 Volts Filament



GUARD STRIPS

SLIT PIECE OF INNER TUBE

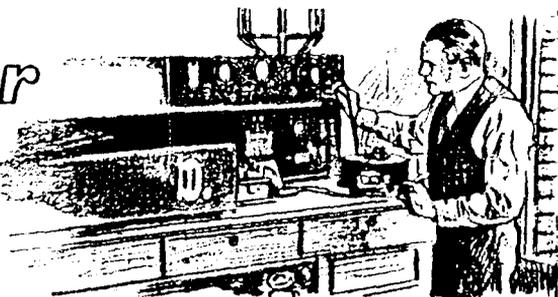
SLOT IN BENCH

SWITCH

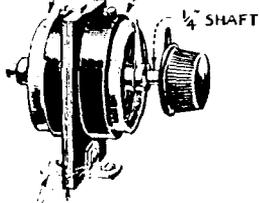
ANGLE IRON

High-Voltage Switch, Mounted as Shown, Is Worked Conveniently without Danger of Accidental Shocks; Guard Strips Prevent Switch Being Closed by Objects on Bench Pushed against It

Kinks for Fans



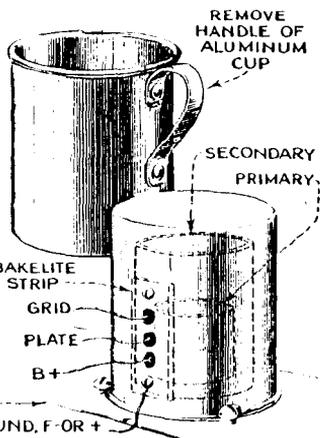
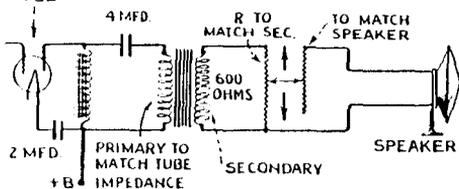
600-OHM POTENTIOMETERS



Two Potentiometers, Mounted Back to Back on Same Shaft, as Above, Make a Volume Control for the Speaker without Changing Resistance or Impedance; Circuit Is Given Below; Shaft Forms Connection between Potentiometers; Right, Blotter Folded and Set over Battery Vents Absorbs Spray

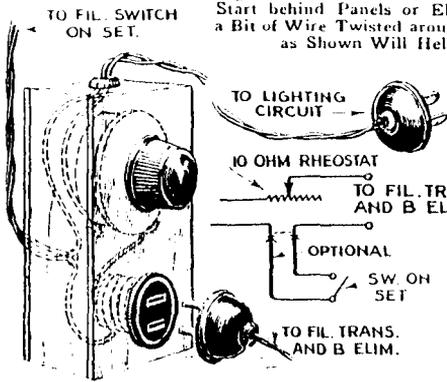
BRASS ANGLES

POWER TUBE



Aluminum Cups Form Handy R. F. Coil Shields, Neat and Easy to Make

Right. When Nuts Are Hard to Start behind Panels or Elsewhere, a Bit of Wire Twisted around Them as Shown Will Help



Voltage Control Protects A. C. Tubes; Set Rheostat for Trial with Set On; Turn Set Off Till Tubes Cool; Turn On; Tubes Should Take 30 Seconds to Heat; If Not, Readjust Rheostat Right or Left

Power Sources for Radios

by Herb Brams

Tube-type radios require two sources of power: 1 to heat tube filaments and another (a high voltage DC) to establish the flow of electrons from filament or cathode to plate for the tube to operate. Until about 1926 radios had to be operated from batteries. Operating tube filaments on AC produced hum. The high voltage supply was also obtained with batteries. Radio batteries were bulky, messy, and expensive and required periodic recharging or replacement. Also, batteries could provide only moderate amounts of power which limited the volume of sound that could be produced.

In the mid-1920's "B eliminators" were developed that could replace the high voltage batteries. These consisted of a transformer that stepped up the AC line voltage and a rectifier and filter that converted the stepped-up AC to a steady high voltage DC supply. In 1926 tubes with filaments that could operate satisfactorily on AC were developed. Filament voltages were obtained by stepping down the line voltage with a transformer to give the voltage needed to operate the tubes (1.5 - 6.3v). Plug-in electrical sets were now practical in which the electrical requirements of the set could be obtained entirely from the AC line.

Around 1933 a method was developed to obtain operating voltages that did not require a power transformer. Tubes were developed whose filaments could operate on higher voltages. A string of them in series could be connected directly across the 110v AC line. A ballast tube or line cord with built-in resistor was also usually required to reduce the line voltage to that required by the string of tubes. The high voltage

supply was obtained simply by rectifying the AC line directly. This gave a high voltage of about 110v DC. Output tubes were developed to give adequate audio power with this voltage. These transformerless sets were used mainly in small, inexpensive table radios. These sets were common from the mid-1930's until the end of the tube era in the 1950's.

In some rural areas and in automobiles, no AC power source was available. In the mid-1930's a method was developed for obtaining the high voltage supply. A vibrator was used to chop up the DC battery current to create pulsating DC. This was stepped up by a transformer to give a high voltage alternating current. The AC was then rectified into DC by a tube. Alternately, the vibrator itself (synchronous type) could switch to 2 halves of the AC signal to give the high voltage DC current.

Between the 1920's and the 1940's other line currents were sometimes used, e.g. 32v DC or 110v DC. Radio sets were manufactured to operate from these voltages, employing at least one of the methods mentioned above to obtain proper supply voltages. In the late 1950's, in an effort to eliminate the vibrator in automobile radios, a series of tubes was developed that could operate with the voltage supplied by the car battery directly as the high voltage supply, i.e. only 12v DC. No output tube could give adequate power under these conditions so transistors were used instead. Such hybrid radios lasted only a few years, being replaced by the now familiar all-transistor radio.

Since portable radios have always been popular, radios with tubes that could operate satisfactorily off batteries continued to be made until they were replaced by transistor radios in the late 1950's.

Swap Shop

WANTED:

Jackson Bell Model 62, or other
Jackson Bell table radios.
Jay Malkin 4505 SW 142nd st #143
Beaverton, OR 97005 503-643-9450

Jackson Bell Model 96, preferably
chassis and speaker only. Good RCA
model 74 chassis.
James Mason 90 NW 150th ave
Beaverton, OR 97006 503-644-2343

ANY RCA receivers in the 56X series
condition not important.
Bob Becker, Box 355, Kent, WA 98032
206 - 226 - 9023

Philco 610 Chassis. Speaker & 1 knob
for Audiola 13-9S, 9-tube highboy
console (similar to GE on pgs. 86,87
of the Flick of the Switch).
Steve Crowe, 1603 Sequoia street
Springfield, OR 97477, 503-726-9671

RCA Television Model 621TS, 3NP4 CRT
Bob Hay, 5225 SE Brookside Dr.
Portland, OR 97206 503-659-8566

Radio advertisements & radio "hints"
articles from 20s and 30s magazines
(will pay postage photocopy them and
return postage guaranteed)
EDITOR, CALL LETTER, 2515 NE 37th
Portland, Oregon 97212

R SALE:
F O

Freshman "Earl" console (new caps)
Sell / swap for fixer uppers, or 32
volt equipment.
James Barratt, 26313 SE Leonard St.
Camas, WA 98607, 206-834-4429

Hallock Watson Type TR-5. Works with
tubes included. Described as very
good condition, clean cabinet.
Make a reasonable offer...!
Roger Caldwell, 22421 97th Ave.
Edmonds, WA 98020 206-771-2819

Slant faced G E Table Set, w/thumb
dial tuning \$5. Miscellaneous tubes
5 for \$1 at the March meeting.
Dick Karman, 2515 NE 37th Ave.
Portland, Or, 97212 503-288-1285

Consoles: Majestic, Philco, etc.
Chairsides, other radios & gear.
Bob Hay, 5225 SE Brookside Dr.
Portland, OR 97206 503-659-8566

There is good news tonight

There has been an agreement made
with the World Forestry Center
(formerly the Western Forestry
Center) to display the "history
of Radio". The display will ten-
tatively open this fall for a 60
day run. Should a corporation
be found willing to sponsor the
exhibit, this display can become
a money making project for our
society. Hear the details at the
March and April meetings.

Puget Sound Antique Radio Association

-TRADIO-

FOR SALE:

Telefunken console, 12 tubes, stereo, 8 speakers, AM-FM-SW \$55; Blaupunkt table radio plastic \$30; RCA Tuner "RA" 1922 in home brew cabinet \$35; all of these available for trade. Max Kaplan, 8412 150TH ST NW ,GIG HARBOR , WA 98335 206-851-4187.

Allied AX-190 solid state ham receiver, 80-10 plus CB \$70; '50s RCA transocianic; EICO 950B Capacitor tester \$15; Regency TR-1 and other early transistor radios. Hugh Miller, 11206 First Northeast, Seattle, WA 98125, 206-365-3684, or 206-451-5334, evenings.

WANTED:

Pre-50's TVs; Radiola IV; Smokerette, Peter Pan Radio; Mickey Mouse Radio; Halicrafter mod.S-38B; Emerson AU-190, Sparton mod. 1466; art deco radios, colored plastic, mirror glass, etc. KEN KORHONEN 4022 41ST AVE SW SEATTLE , WA 98116 206-932-9363, Work-206-345-1316

Philco 90 cabinet; Philco 71 dial system, any parts or cabinet for Zenith Stratosphere model 1000Z (25 tube) ART CORBUS, 5704 11TH AVE NW, SEATTLE , WA 98107 206-783-6151

Terminal Strip cover for Superpro Power Supply. Jerry Cappoen, 8220 71st St.Ct. NW, Gig Harbor, WA, 98335, 206-858-7235

AC·CES·SION /ik-'sesh-ən, ak-/

1. acquisition of additional property
 2. to record in order of acquisition
-

Jim Mason:

Sandars Junior Cone Speaker.
RCA Radiola 24 portable battery set.
1929 Wurlitzer 7A with Peerless
cathedral speaker.
David Grimes Baby Grand Duplex Batt.
set.

Larry Callahan:
Crosley Model 50

Jerry Talbott:
N.W. Radio Variometer in wooden case.
RCA R280 Tambour Door Table radio.
1940 G.E. H530 Mini-tombstone

Jim Barratt:
Atwater Kent Horn Speaker Model M
Philadelphia Storage Battery Co.
Battery.
A 32 volt vacuum sweeper (?).

Sonny Clutter:
Northwestern Radio Model SR-25
A rare Hartman Pedestal speaker.

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Every month use this page to show off
your most recent acquisitions. Place
them in the pass-around notebook at each
meeting, call Robert Teague (653-0077),
or your Editor.

NORTHWEST VINTAGE RADIO SOCIETY

Regular membership \$15.00

Associate Membership \$12.00

Associate memberships are accepted from persons outside commuting distance of the Portland Metropolitan area.

NAME _____

ADDRESS _____

CITY, STATE _____

PHONE _____

VOCATION _____

SPECIAL INTERESTS _____

Mail membership information and dues to
the **Northwest Vintage Radio Society**
P.O. Box 02379, Portland Oregon, 97202

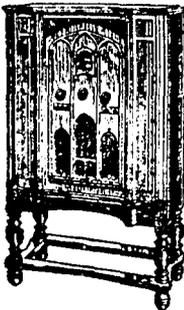
Membership includes monthly newsletters,
ten monthly meetings (all except July &
August), two swap meets and two auctions
each year, and unlimited "unclassified"
ads in the **CALL LETTER**.

From March 1932

ANNOUNCING RCA VICTOR'S BIG Step Ahead



with these Great Radio Values . . . all Superheterodynes . . . all priced sensationally low . . . each the greatest radio value for the money ever offered in the history of radio. Come in and hear them.



6-tube Superheterodyne with Automatic Volume Control, and Micro Tone Control. Equipped with Pentode and Super Control Radiotrons. In a fine walnut finished cabinet.

Price Only
\$79.50

Complete



4-tube Superheterodyne with Micro Tone Control. Equipped with Pentode and Super Control Radiotrons. Housed in a beautiful walnut finished cabinet.

Price Only
\$66.50

Complete



8-tube Superheterodyne with Automatic Volume Control and Micro Tone Control. Equipped with both Pentode and Super Control Radiotrons. In a walnut finished table model cabinet of exquisite beauty.

Price Only
\$59.95

Complete



7-tube Superheterodyne with Micro Tone Control. Equipped with the famous Pentode and Super Control Radiotrons. In tasteful walnut finished table model cabinet.

Price Only
\$46.75

Complete

A small down payment gets you one in your home.



COME in and let us demonstrate these extraordinary values for you . . . there will be no obligation, of course. We want you to listen to their surpassing tone quality, their clean, clear-cut performance . . . how they will bring in far distant as well as local stations with ease and clarity.

We want you to look into the back of these instruments where you will actually see the value . . . the rubber chassis mounting for instance, and the substantial bracing . . . all reliable insurance of continued efficient operation . . . proof of the built-in RCA Victor quality . . . the most and the best for your money.

Look Into the Back!

The J. K. Gill Co.

Booksellers Stationers Office Outfitters Music Dealers

FIFTH and STARK