

Vol. 3

No. 7



August

1977

CALL LETTER

MARCONI COMPANY, LTD. MUSEUM

By Ralph Frey

On a recent trip to England I was privileged to view the Marconi Company, Ltd. Museum at Chelmsford, Essex County, England. For reference purposes, this is approximately 20 to 30 miles northeast of the city of London. The museum is a privately run institution supported totally by the Marconi Company, Ltd.

This museum is of immense interest to anyone who has concerns about old radio and its development. Included within the exhibits are the 1896 patent applications which Marconi made for the wireless telegraphy system which was incorporated into the Wireless Telegraph & Signal Co., Ltd. Further, the original magnetic detector developed during the 1902 to 1905 period is on display. This, as you will recall, was the beginning of the horizontal directional aerial. The timed spark system equipment, which generated continuous waves, developed about 1912, is also among the display items. This system was employed for several years at many important long-distance stations and by its means, Marconi sent the first messages ever transmitted by wireless from England to Australia on Sept. 22, 1918.

As in modern times, Marconi did development work towards war efforts. In 1916, during the World War, experiments were commenced by Marconi to utilize short waves. This work eventually led to the 15-meter wave band used between London and Birmingham. This develop-

(Marconi Co. Ltd. Museum con't)

ment, of course, proved to be a breakthrough in the communications industry and it was soon recognized that transmission by night was better than by day. Complete documentation of this development and essential pieces of equipment used for its commercial refinement are all on display within the museum.

The invention of the thermionic valves, revolutionized the design of wireless apparatus. The Marconi Co. rapidly evolved new apparatus using thermionic valves, various types of which are on display. This development opened the way for the practical transmission of music and speech, and between February 23 and March 6, 1920, the first broadcasting of musical items in England took place from the Marconi stations at Writtle, and Chelmsford, in 1921 and Marconi house, London in 1922 prior to the establishment of the British Broadcasting Company. The microphone used for the original voice transmission is on display in connection with this panel.

Needless to say, I would recommend that if you are in Europe that you make arrangements to see this most impressive electronics museum. It would be wise to contact the Marconi Company prior to your arrival in Chelmsford in order that you may receive the proper clearances and guide to view this impressive display. I would further note that these arrangement are necessary owing to the fact that this is a private museum, not normally open to the public but made available only to those showing sincere interest in the early development of electronics.

CALL LETTER

The Call Letter is a monthly publication of the Northwest Vintage Radio Society which meets the second Saturday of each month at the Buena Vista Club House, Sixteenth and Jackson Streets, Oregon City, Oregon.

Editor **Bob Hay**

Staff .. Tom James, Cathi Hay, Mark Moore

Address all correspondence regarding this publication to: The Call Letter, 5225 S.E. Brookside Drive, Portland, OR 97206.

MARK'S MEMO

By Mark Moore

It's time for an update on our addresses for club business. As most of you know the Club's official "permanent" address is P. O. Box 341, Oregon City, OR 97045. It has been the intent of our founders to locate the club in Oregon's most significant historical town. We welcome all mail to that box, but we don't have a chance to check the box more than once every other week. For this reason the people with different responsibilities have been allowed to use their own addresses for convenience. At this time we will keep it that way even though there may be some confusion.

Also I have changed my address and I hope that you will change it on your copy of our 1977 membership list. My old address was Box 13544, Ptld. 97213 and my new address is Box 02435, Ptld. 97202. At the end of my memo I have printed these out again in hopes that any confusion may be cleared up.

I want to give special recognition and welcome to our newest members:

George Stevens
Box 704
Longmont, CO 80501

Glenn Streeter
26008 Crenshaw Blvd #106-D
Torrance, CA 90505

George is partial to Remlers and Glenn has a reproduction antenna kit available. It is the Radiola AG-814 loop kit which includes braided wire, a brass nameplate and a mahogany frame for \$50.00. If you would like a sample of the wire and more information, send \$1.00 to Glenn at the above address. Glenn sent me a sample of the wire which some of you may have seen. The general consensus is that it is excellent. (Mark's memo con't on page 15)

THE POOR COIL!



In the *Philadelphia Evening Public Ledger* of Oct. 9 we have the following: "The grid connection to the secondary should be next to the TICKLED coil." We throw back our head and yell to the universe, "WHY, OH WHY?" What is the idea of tickling the coil? Ain't there howls enough in the average set?

Contributed by
Albert Flurry



ATMOSPHERICA

By J

NUTS AND VOLTS

His nerves are badly frayed, and
Faith in A.C. Radios surely shaken,
All because of trouble shooting,
He should not have undertaken!

He connected the meter to lug thirteen,
As RIDER'S MANUAL plainly stated,
But it hadn't said a stinking thing
About the leads being insulated!

GREAT SCOTT

Who'll come to the aid of our Jim,
Whose problem is decidedly grim;
The shaft of his SCOTT
As a tuner, is not;
Can you rotate this relic for him?

THE ARK SET

"I can't stop its PLUP-PLUPING," Pete cried,
"There isn't a thing I've not tried."
Then it floated away
On a flood one day,
And motorboated off on the tied.

OUR PEOPLE

By Bob and Cathi

The OMSI Display turned out to be a fantastic success. The news media coverage was very good and the club owes Bob Griggs and the other OMSI people our thanks for the promotion services.

The NWVRS Display Committee and many others spent quite a few hours organizing the show. Andy Bell, Chairman of the Display Committee, and Cathi Hay get special thanks. Some of the interesting items include Frank Plaisted's Hallicraftorium, Don Iverson's Tube Display, Bob Campbell's test equipment, Bill Baker's Kilbourned and Clark sets, and the wide variety of console sets. The quality and the variety of the OMSI Display was excellent.

Our next meeting will be August 13th, at the Buena Vista Clubhouse. Our special guest will be Honorary member, Morgan McMahon. Mr. McMahon has edited several books on vintage radio which are some of the best resources for the radio collector. Morgan will be speaking to us about what is going on in radio collecting around the country, especially with some of the other clubs. We have asked Morgan to bring some of his books so that those of you that don't have the books might have an opportunity to purchase them.

For those of you who missed the July meeting, you also missed a great post-meeting picnic. As is well known by now, the gals in this club are capable of putting together a feast second to none and the July meeting provided further evidence. A sampling of the faire included Fried Chicken, a wide variety of salads, melon, Baked Beans, Spaghetti Casserole, Banana Creme Pie, homemade Chocolate Cake, Baklava (a Greek Pastry), and Dorothy James' Green Tomato Relish. How about the recipe Dorothy?

Bob and Sandy Bilbie are presently on a six month tour of the U.S. selling their flea-market wares and enjoying our great country. Upon their return to Portland the Bilbies hope to open a shop to sell their Junk and Funk (by the way, in German Funk means Radio).

POWER SUPPLY

By Cathi Hay

The Power Supply is on vacation for the months of July and August. The ladies will resume their regular meetings in the month of September. Here is Aunt Sammy's recipe for this month:

CABBAGE SALAD WITH WHIPPED CREAM DRESSING

3 cups shredded green cabbage	1-1/2 tsp. salt
1/2 pint double cream	1-1/2 tsp. sugar
4 Tbl. lemon juice	Scraped onion
12 drops tabasco	3 Tbl. Ground Horse-radish

Whip the cream, add the seasoning to it, and combine with the cabbage just before serving. If the cream is added to the cabbage and allowed to stand, the juices are drawn from the cabbage and the dressing becomes too thin. Serve the salad very cold. This is very attractive served in a hollowed-out head of red or curly green cabbage.

Free Test Equipment

WITH NATIONAL UNION TUBES

New IRC Insulated Resistors

Electrad, Centralab, Yaxley, Thorardson, G & H, Aerovox, Tobe, National, Hammarlund, Bud, Cornell Dubileer, Ohmite, ICA, CRC, Eby, Belden, Lenz, Supreme, Triplett, Readrite, Weston, and all other standard lines.

SERVING THE OREGON DEALERS

UNITED RADIO SUPPLY, INC.

1207 S.W. Washington St.
Portland, Ore.

137 N. Central
Medford, Ore.

from the October 1, 1935 issue of
The Radio Technician,
The Northwest Radio Service Trade Journal



Trade Marks

EVEREADY-RAYTHEON BH

Full Wave Rectifier

USE

The Eveready Raytheon BH is designed for use as a rectifier in B-eliminators and radio power supply units specially built for this tube. It is NOT interchangeable with any other type of rectifier.

The long life of this rectifier, operating on the principle of gaseous conduction, is due to the fact that there is no filament to burn out or break in shipment.

NORMAL OPERATING CONDITION

PLATE.....350 Volts RMS per anode (max.)
at 125 ma D. C. output (max.)

Values of plate voltage and output current somewhat below the maximum values are recommended as being more favorable to long life.

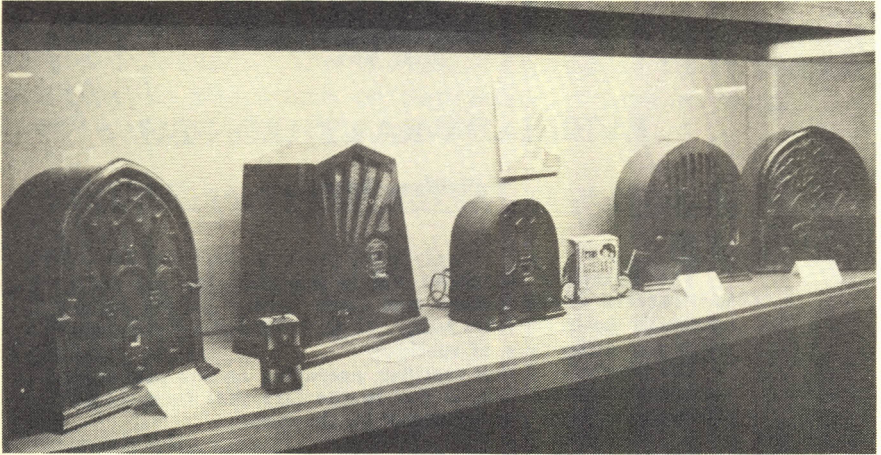
BH tubes are used in the following B-eliminators:

Acme	Federal	Pioneer
Acme-Electric	Ford Mica	Precise
All-American	Freed-Eisemann	Precision
Amplex	General Inst.	Premier
Apco	General Radio	Prest-O-Lite
Apex	Gilfillan	Silver-Marshall
Arbrophone	Grant	Simplex
Arco	Grebe	Spartana
Batteryless	Greene-Brown	Sparton
Benjamin Elec.	Harold Herbert	Standard Radio
Bosch	Jefferson	(Worcester)
Bremer-Tully	Jordan-Carisch	Standard Radio
Briggs-Stratton	Kingston	(Canada)
Buckwalter	Knight	Sterling
Buell	Kodel	Stewart
Burns	Majestic	Thordarson
Bush & Lane	(Master, Super &	Timmons
Cass	Standard)	Triple A
Chamberlin	Malone-Lemmon	United Engine
Cloverleaf	Martin-Copeland	Universal
Colonial	Mayolian	U. S. Light
Consolidated	Metrodyne	Valley
Cornell	Midwest	Varion
Crosley	Modern	Walker
Day-Fan	Mohawk	Warren
Dongan	Mu-Rad	Webster
Dragon	Muter	Wells
Dubilier	National	Webster Elec.
Durkee-Thomas	Nat'l Lead Batt.	White
Eagle Charger	Operadio	Wise-McClung
Electron	Ozarka	Yale
Epom	Paragon	York
Eria	Pilot	Zenith

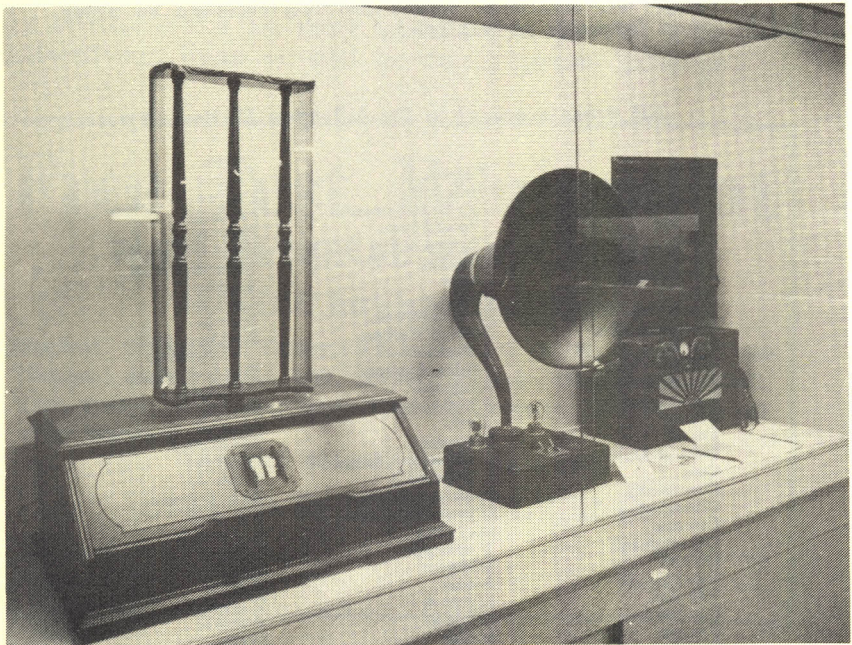
Contributed By: Chuck Shively

OMSI Display Big Success

Photographs by Joe Tompkins



Over 120 radios were displayed including Cathedrals, battery sets, test equipment and much more.



A Radiola 25, Magnavox A2-R and a Trav-Ler portable.



Consoles were in abundance at the show. Frank Plaistead's Hallicraftorium also added a new dimension.

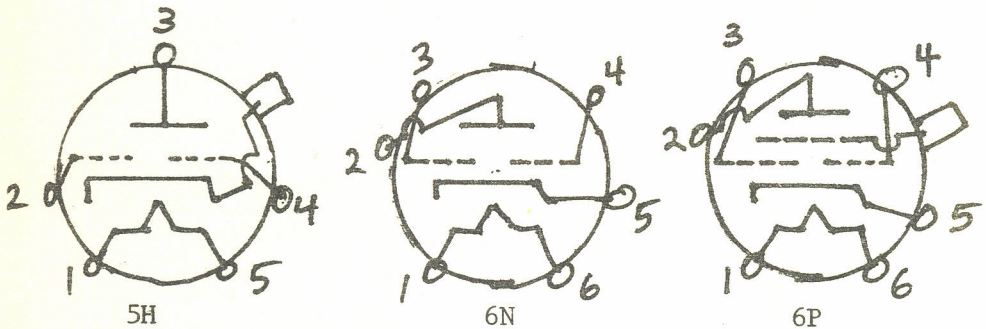


RCA, Crosley, and Kolster were represented as well as some of the lesser known makes.

There are several variations on the base configurations for the Wunderlich tube. Also keep in mind that there was a 6.3 volt filament version of the Wunderlich. If your Wunderlich tests out weak on the 2.5 volt filament setting and the base configuration is 6N maybe it's a 6.3 volt tube.

TYPE	BASE	FILAMENT	PLATE V	GRID V	PLATE I	G	μ
A Auto	6N	6.3 @ 0.4	250	-16.5	7 ma.	9.2	900
A	5H-6N	2.5 @ 1.0	250	-16.5	7 ma.	9.2	900
B	6P	2.5 @ 1.0	250	-	17 ma.	-	-

WUNDERLICH BASE DIAGRAMS



For your memory banks.... Did you know in the early 20's vacuum tubes made by the General Electric Co. were sold in the eastern U.S. by RCA as Radiotrons and in the west by Cunningham.

In July 1936 General Motors Corp. purchased the Kokomo plant of Crosley Radio Corp. This new plant will be the Delco Radio Division of the Delco Remy Corp.

It was 1919 that the General Electric Co. in cooperation with the Westinghouse Electric & Manufacturing Co. purchases the Marconi Wireless Telegraph Co. of America, New Brunswick, New Jersey, after buying out British stock in the company, and organizes the Radio Corporation of America. (from A Chronological History of Electrical Development)

RADIO STATIC

By Glenn
Gonshorowski

ALL THE WORDS BELOW ARE NAMES OF RADIOS.
THE LETTERS OF EACH NAME ARE SCRAMBLED
TO CONFUSE YOU, YOUR JOB IS TO REARRANGE
THEM INTO CORRECT ORDER. ANSWER NEXT
MONTH.

AAFD _ _ _ _ _
SWIGN _ _ _ _ _
BXDNEI _ _ _ _ _
LIONCAR _ _ _ _ _
HICAIERF _ _ _ _ _
LIAFGLINL _ _ _ _ _

ANSWER TO LAST MONTHS RADIO STATIC PUZZLE

JATCMIE	MAJESTIC
LOCYRES	CROSLEY
ITNS ITEE	STEINITE
TEDSFROE	DEFOREST
GLIMPIR	PILGRIM
MRFESANH	FRESHMAN

OF THE RED-HOT KIND?

Trend of the times as seen in the *Ashtabula (Ohio) Star-Beacon* of Oct. 13: "FRESHMA Master-piece." We would naturally assume that this masterpiece hasn't a great deal to do with radio, although there might be a loud speaker somewhere around. Have you a little masterpiece like this in your home?



Contributed by A. Klingbeil

CARTOON CLIPPINGS

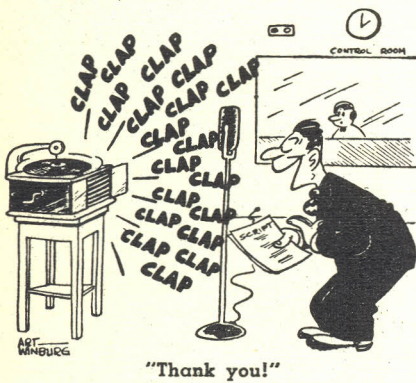
By
Art Redman



"I belong to the radio of the month club."

RADIO-CRAFT for MAY, 1948

RADIO TERM ILLUSTRATED



"Thank you!"



Suggested by:
M. Kosinski,
Brooklyn, N. Y.

Amplitude

EDITORIAL COMMENT

This months feature article is written by Ralph Frey, Manager of Analytical Services for Portland General Electric, Co. Ralph just returned from a 45 day Rotary Exchange trip to England which included a tour of the Marconi facilities at Chelmsford. Hope you all enjoyed the article, I know I did.

With Fall rapidly approaching, how about some ideas for the next Swap-meet? Perhaps the club could aim its advertising at bringing the general public to our Swap-meets with their radios. We could offer a free appraisal clinic for old radios. In this way, we could not only sell and trade to each other, but could possibly attract some of those people with that old set up in the attic gathering dust. Bring your ideas for the Swap-meet to the August meeting. Hopefully, the ladies will show us more of their culinary skills at the next Swap-meet.

We received a news-sheet from TUDOR REES, Vintage Services in Bristol, Great Britain. This is a monthly newsletter and costs one pound fifty per year. Tudor Rees sell a catalog which lists the valves, books, components, and miscellaneous items that they sell. The catalog costs \$3.00. The address is:

TUDOR REES (Vintage Services)
64 Broad Street, Staple Hill
Bristol, BS16 5NL, Great Britain

See you all at the next meeting, August 13th, it should be one of our best.

Contributions to this issue of the Call Letter include Chuck Shively - The BH Tube Ad, Joe Tompkins - the OMSI Photos, Ralph Frey - The Marconi Story, and Bob Campbell - Wunderlich info. This is in addition to our regulars, Mark Moore, Tom James, Glenn Gonshorowski, Art Redman and Cathi Hay. My thanks to all of you for the help.

Bob Hay
Editor

SWAP SHOP

- WANTED: Sam's Autoradio AR1
Gonshorowski
760-6518 or 1-623-2064
- WANTED: Dial Lamp for 1936 Airline "Movie Dial"
radio. Alan Shaddock, 646-3641
- WANTED: (2) DeForest Rheostats for P-300
Glenn Streeter
26008 Crenshaw Blvd #106 -D
Torrance, California 90505
- WANTED: Base for Tower Meistersinge horn and
information about horn.
C. S. Hay
2801-A S.E. Tacoma St.
Portland, Oregon 97202
- WANTED: Dial light hood and tuning knob for
Radiola 17, tuning pulleys (2-9/16" dia)
for Zenith Super 27.
Thomas Spence, 222-3971
- WANTED: Wanted to restore -- Hallicrafters
SX-101, also SX-62
Frank Plaisted, Jr., 647-2891
- FOR SALE/TRADE: Send large SASE 2/24¢ in postage
for large list of radios.
Glenn Streeter
26008 Crenshaw Blvd #106 - D
Torrance, California 90505
- FOR SALE: Copies of Philco schematics for Models
4 thru 38 - 690 Code 125 are available
for \$3.00 each.
Larry Sobelman
Kirkwood Manor Apts.
Kirkwood, New York. 13795
- WANTED: Power Supply for Radiola 44
Jim Mason, (503) 644-2343

(Mark's Memo con't)

Another reproduction that I want to recommend is the famous RCA dog, Nipper. Prices run \$49.95 for the 10"; \$69.95 for the 18"; and \$119.95 for the 36". If you mention that you are a member of our club, you are eligible for a 30% discount. This is an offer I can't pass up and I hope many of you will not either. You may order them from:

Arrowhead Radio and TV Supply
1212-16 "D" Street
San Bernardino, California 92405

A letter came in from Richard Eckstein (not a member yet), 470 Churchdale Ave. N., Salem, Oregon 97303 and he needs to find a dial plate for a Philco 42-355, AM/FM/SW set. If he cannot find one, he would like to copy one. If any of you can be of help, please let me know or let him know.

As promised here are the NWVRS addresses:

Official: Box 341
Oregon City, OR 97045

Corres: Box 02435
Portland, OR 97202

The Call Letter
5225 S.E. Brookside Dr.
Portland, OR 97206

NWVRS Membership:
13855 S.W. Farmington Apt 209
Beaverton, OR 97005

**WANTED ANYTHING MADE BEFORE 1940,
CASH PAID, ANY AMOUNT
WE PICK UP ANYTIME, ANYPLACE
QUALIFIED APPRAISALS**

Furniture	Comics	Glassware	Clocks
Rugs	Dolls	Adv. Items	Trunks
Pictures	Wood Stoves	Toys	Trains
Radios	Pocket Watches	Jewelry	Coins

MIKE'S GOLD ANVIL ANTIQUES

5901 S. E. FOSTER RD. - PORTLAND, OREGON
CALL COLLECT 1 - 503 - 771-1066

Proprietor
Mike Losli
Res. 1-503-645-1254

Mercantile Clerk
Bob Davis
Res. 1-503-775-9908