



Don't miss the Christmas party!

OSCILLATOR

DELAWARE VALLEY HISTORIC RADIO

The Official Newsletter of the DVHRC
November 1998

Vol. 6, No. 10,

From the president's desk:

Holiday greetings

I'd like to take this opportunity to wish everyone and their families a happy and festive holiday! I am looking forward, along with all the rest of you, to our upcoming holiday party and meeting. At this time of the year I'd also like to extend thanks to all those who have volunteered their time, their expertise, and so much more to our club. Thanks to them, DVHRC is one of the top radio clubs for volunteerism. The December meeting is not only a time for good food and festive happenings, it's also election time. We will be voting for board members who will serve the club in 1999. It won't be an easy task to select from the great group that has been nominated. Again, I'd like to wish you all a safe and happy holiday and all the best in 1999.

Your club needs your help!

I am issuing a plea for your help. DVHRC pulled through a tough year. It's been a tough year expense-wise, too. Some of the expenses were not anticipated. While the club has funds tied up in CD's, these funds will not be available prior to our upcoming swapmeet. We have incurred and will continue to incur some expenses before these funds become available.

The projected expenses for the next two months include: \$175 to Antique Radio Classified for advertising for the swapmeet, \$100 for the postcard mailing for the upcoming swapmeet, \$250 for the holiday party, \$200 for printing for the Oscillator, and \$400 for books.

To offset some of the expenses amounting to almost \$1200 and to enhance the club's cash flow over the next two months, I am requesting your help in one of the following areas at the December meeting. 1. Pay your dues (\$15 per year.) 2. Pay for your swapmeet space (\$15 per space.) 3. Buy a couple of extra 50/50 tickets. 4. Bring an item for the "donation" auction. Or the sale of the donated item can be used to pay for your dues or for your swapmeet space. 5. Buy a book from the club's current selection of titles. 6. Remember the coffee donation.

Without your help, we won't be able to purchase additional books that make money for the club through sales at the swapmeet and our regular meetings.

Your help will be greatly appreciated.

Bill Overbeck

Santa's Helpers

We will be running a radio Christmas gift exchange at this month's party. If you'd like to participate, bring a ten-dollarish gift-wrapped radio oriented item. This should be a lot of fun. (Let's try to avoid rusty power transformers!) By the way, the meeting/party will be held 7:30PM, Tuesday, December 8th at the Telford Community Building.

THE OSCILLATOR

Newsletter of the
Delaware Valley Historic Radio Club
P.O. Box 847
Havertown, Pa. 19083

The *Oscillator* is published monthly by members of the non-profit DVHRC. Its purpose is to provide a forum to educate, inform, entertain, and communicate with collectors and preservers of vintage radio technology.

We welcome and solicit information relating to radio history or collecting. Submissions should be carefully researched, typed and accompanied with clear photographs or diagrams. Material on-disc (3-1/2" DOS/Win95) is particularly welcome.

Unless copyrighted by the author, material in this publication is available for attributed reproduction for nonprofit purposes. (For convenience, the editor can supply copy on-disc.)

Personal views, opinions and technical advice offered in this newsletter do not necessarily reflect those of the members, officers or Board of Directors of the DVHRC, nor is the organization responsible for any buying or selling transaction incurred.

To join: DVHRC dues is \$10 per year. The membership year runs January-through-December. Please mail to the club PO box above.

Meetings are held the second Tuesday of the month at 7:30 PM

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NOVEMBER MEETING REPORT

By Dave Snellman

It was a dark and dreary night for our November meeting, but we had 35 members in attendance. Bill Overbeck brought the meeting to order. Our annual holiday party is slated for the December 8th meeting. The Hillside Tavern will cater the event. The menu will include roast beef, roast pork, coleslaw, potato salad, and all the usual accoutrements. Volunteers offered to ferry the food and serving equipment to and from the Tavern as well as bring along the drinks for our festive get together.

WINTER MEET

The Havertown meet is on the horizon. Mark your calendars, the date is February 6th. The club agreed to assemble a crew to do some public service work at the Grimmes Center. A suggestion was made and volunteers enlisted to repair tables at the Center. Not only will this help the club at the meet by providing additional tables, it will serve as a good will gesture to our generous hosts. Besides, we want the tables to be sturdy and in good order to hold the precious radios that will be on sale at the meet!

ELECTION TIME

Well, November is nomination time for the club's Board of Directors. Nominations were accepted from the floor. The nominees include: Dave Snellman, Bill Overbeck, Jim Amici, Dave Abramson, Pete Grave, Bryan Irwin, Al Klase, and Mike Tannenbaum. Elections will be by ballot at the December meeting. So come early and vote often. (Just kidding.)

OSCILLATOR

Our "Oscillator" editor, Al Klase, has issued a call for articles. With a circulation of around 180, the "Oscillator" is our club's voice. Come on all you writers out there - join the Oscillator's contributors ranks.

DUES IS DUE!

It's time for the 1999 dues. The membership voted to increase the annual dues to \$15.00. Dues can be paid at any regular monthly meeting or send your check to DVHRC, P.O. Box 847, Havertown, PA 19083. *EDITOR'S NOTE: We recently found a couple of people who joined the club in mid year, but did not get on the Oscillator mailing list until this month. If your mailing label says "99", we've paid you up for next year.*

MEETING ACTIVITY

As usual, club members are always will to share their knowledge and other information at club meetings. Here are a couple of items of note from this month's meeting...

Pete Grave attended the Collins Collector's Club meeting, held recently in Texas. He reported that it was well organized and featured plenty of Collins gear. All in all, this is a highly recommended event.

Pete also reported on the Estes auction. He reported that very few battery sets were there. Also, TV prices and plastic radio prices were kind of high; while audio stuff, though not plentiful, was reasonable. Advertising prices (signs and the like) were also high.

Bill Overbeck reported on the Audiofest show in South Jersey. Lots of equipment, prices from reasonable to high. Bill also reported that we are trying to get the "Fisher Doctor" to make a presentation at one of the club meetings early next year. More details on this in future issues.

For those not already using the Internet as a "tool" to augment their collecting hobby, here is an interesting observation. Pete Grave reported that in about three days since his R-390's were mentioned on the R-390 collector's list, he has had about 10 calls for these radios.

In my own observation, I've found the Internet to be a great tool for finding information on so many aspects of our hobby, as well as, for buying and selling gear. If you have a computer, get on line. If you don't have a computer, visit your local public library. Most libraries have Internet access and it's available for free!

We had a brief "show and tell" Tuesday night. Bill Overbeck brought a radio he picked up at Audiofest. It was an "All-American-Fiver" in a clear plastic case. It was unique in that it used stack-style, or wafer, integrated circuits. It was identified as a NBS (National Broadcast system) radio. If you have any info on it, I'm sure Bill would be glad to talk to you.

Lewie Newhard brought a World War II vintage Japanese field radio. Lewie reported it was part of a receiver/transmitter set, but he didn't have the transmitter unit. It was covered with Japanese marking and included handwritten (in Japanese, of course) documentation. He said it appeared most of the front panel controls served no purpose. It was in great shape and had been kept in an ammo box. A nice addition to our show and tell.

Paul Bohlander provided a very interesting piece. It was a tool made by the Church Tool Company in the 1920's. It was used as a template for mounting tuning capacitors onto the panels of early radios. The tool was mounted on the capacitor's tuning shaft and then its "fingers" could be positioned to provide a guide for the mounting holes to hold the capacitor.

WELCOME TO THE FUTURE

The evening's technical program was introduced by Ted Sowirka. It was a film from Philco's 75th anniversary. It was provided by John Okolowicz. The film outlined Philco's vision of what 1999 would be like. Some of the things predicted are already here, some are not. Microwave ovens, "e-mail," the Internet (though not called that) and computerized exercise equipment are all here. They kinda missed on the maintenance-free house, and the self-cleaning close closet. Considering the size of the "home" computers that were shown, the 1999 house would need the self-contained power source that was in the film. At least they didn't predict Bill Gates, Microsoft, and Windows 1999! The presentation provided an entertaining look at the future from a 1960's or 1970's point of view.

The regular auction followed the tech presentation. In addition to the usual lots of test equipment, tools, and books, some of the unusual items that joined members collections included: a Singer noise receiver with manual, a Mitchell lamp radio, a Saba (German) table radio, a Zenith radio – minus the cabinet, and a radio show sign.

Before I sign off, I'd like to recognize a new member, Michael Kincaid from Downingtown. Also, thanks to Pete Grave for donating his share of the 50/50 back to the club treasury. Thanks go out to Jim Amici, who donated the proceeds of his auction items last month to add the club's donation to the New Jersey club in memory of Tony Flanagan.

Come on out to our next club meeting on December 6th. It's the holiday party. It's the election for board members. It's an opportunity to commune with your fellow collectors. And it's dues time. See ya all

Broadcasting's Birth

Dr. Kinter tells of 1906 transmission

As published in Radio World, May 28, 1932, from the collection of Lew Newhard

The controversy regarding the time and place of the first transmission of voice and music by radio came up anew when Dr. S. M. Kinter, vice-president of the Westinghouse Electric & Manufacturing Company, in an address made before members of the Institute of Radio Engineers in Pittsburgh, placed the first transmission of voice and music on Christmas Eve, 1906. Professor Fessenden, at Brant Rock, Mass. did it, said the speaker. Lonely ship operators were astonished to hear music and speech suddenly substituted for the dots and dashes to which they had been listening. Dr Kinter, who was associated with Prof. Fessenden just after leaving college, paid him high tribute for his foresight in connection with radio development.

Song, Verse, Violin and Speech

In describing this historical transmission Dr. Kinter said: "The general call 'CQ' was sent out from Brant rock, Mass. The followed a song, the reading of a verse, a violin solo, a speech, and an invitation to report the results of the reception by all who heard. This was the first radio-telephone broadcast program.

"One can well imagine the feelings of surprise of the lonely ship operators, accustomed to cold colorless dash and dot of Morse code, when music suddenly burst upon their ears, to be followed by understandable speech. It was quite a shock and I don't doubt that some superstitious operators gave rather serious thought to their mode of living."

Shortly after the unscheduled program was sent out, Fessenden received a large number of letters from ship operators all over the North Atlantic asking all about how it was done.



The GREBE SYNCHROPHASE

(Trade Mark)

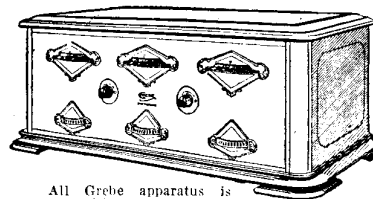
A BROADCAST Receiver that marks another long step forward in radio design and establishes a new set of standards in craftsmanship.

"It is only when the cold season comes that we know the pine and cypress to be evergreen."

—Confucius

In the coming cold season be not surpassed by thy neighbor—set the pace with your Grebe Synchronphase.

Doctor Mu



All Grebe apparatus is covered by patents granted and pending.

T.O. REVISITED

By Bill Overbeck

While on the road for work, I found myself a half hour early for an appointment. I came to this conclusion just as I passed an old TV repair shop I hadn't noticed before. So, around the block I went. Outside appearance gave me a fifty-fifty chance that the old shop was still in business and still a TV shop. After parking in a spot that looked sort of legal, I thought all I might collect was a parking ticket, but nothing ventured nothing lost. Once inside, the owner greeted me from behind the counter. I stated my mission, and as he walked away to bring back 60's wooden radios, etc., the side of a Zenith on the shelf behind him caught my eye. I got to my appointment on time, and another transistor T.O. was added to my collection.

T.O.'s have a lot of style. They are just more fun than many radios. This makes it "necessary" to find different models, and the R7000 "Taiwan" model was now in the company of two Royal 1000's, a Royal 3000, two Royal 7000's and an R7000-2 model. (R7000's were made in the USA, R7000-1 and R7000-2 were made in Taiwan.)

True Grit

Thinking about T.O.'s reminded me about the junker Royal 7000-1 on a shelf in the basement. A quick trip to the cellar showed me how a fine T.O. could be a junker: The handle was broken in half and held together with three antenna rods and duct tape. A piece of rope tied to the handle brackets now served as a carry handle. The top door was hanging by one hinge. There were more chrome pits than chrome. And, sand pouring from the cabinet indicated this set had been under water in addition to being dropped more than once.

"OK, it's a T.O., I'll try plugging the thing in." I thought. The set started to make lots of noise with the volume down. Removing the back cover netted about a quarter cup of sand. I rocked the transistors in their sockets, and the set sprang to life. A quick band check was met with no complaints from the band switch, and stations frequencies were correct. but there was still a load of sand everywhere.

The Zenith T.O. book says it's difficult to pull the chassis on the 7000, but what did I have to lose? After all, this set was past nine lives. Here's the procedure:

1. Remove the battery cover. (1 screw)
2. Remove the rod antenna wire from the antenna terminal.
3. Remove the RCA plug to the external jack and the battery wire plug. The back cover will now finish coming off.
4. Loosen the set screw, and remove the band switch knob.
5. Remove the four small knobs on the front panel and the tuning knob.
6. Disconnect the two map light wires. They come through the speaker hole. Disconnect the speaker wires through the chassis. They pull off.
7. Remove the two screws on the right side of the chassis, and remove the two screws on the left side of the chassis.
8. Take the right side of the chassis out first.
9. Remove more sand.

Steps 1 through 8 are easy, step 9 is much more difficult.

Further checks of the 7000 revealed distorted audio at higher loudness levels. I remembered that output-transistor matching was critical, and sure enough, one was a non-Zenith replacement.

WANTED: Zenith Roylea 7000-1 cabinet without chassis. Need knobs also. Sand not necessary.

Bill

P.S. Another case where an air compressor at the workbench is a huge help. Remember not to blow holes in speakers or break fragile parts. 100 P.S.I. is just that.

BUY SELL SWAP

FOR SALE: Old radios and 78 RPM records from an estate. Includes **Zenith #5614**, **Silvertone** radio/disk recorder, and **RCA ACR-175** communications receiver. Contact: George Rottina, 17A Lumberjack Cir., Horsham, Pa. 19044. Phone: 215-675-9055.

FOR SALE:: **7JP4 CRT**, good filament, screen looks OK, make offer. Alton Dubois, Jr., 67 Peggy Ann Road, Queensbury, NY 12804, Phone 518-792-3130

WANTED: Cast aluminum lid for **Eveready #2** radio circa 1928. Good photo would be a help if lid not available, Need two four inch black No, 488 dial knobs for **Fried Eisemann NR-6**. Alton Dubois, Jr., 67 Peggy Ann Road, Queensbury, NY 12804, Phone 518-792-3130

HELP: Would the person who sold Marc Ellis the Philco 70 cabinet please contact him at PO Box 1306, Evanston, Ill 600204-1306; ellis@interaccess.com; 847-869-5016.

WANTED: Looking for accessories for AN/GRC-9 field radio, especially front cover, whip antenna, and power cord for DY-88 power supply. Al Klase, 908-782-4829, skywaves@bw.webex.net

WANTED: Howard Sams book "From CB to Ham Beginner" by J.A. Stanley. Richard C. Yingling, 2 S. Locke Ave., Yeagertown, Pa. 17099, (717) 242-1882

HELP WANTED: Need someone to repair a Philco 4654 Predicta TV. Ray Casper (609) 695-8312

WANTED: Emerson AU-190 chassis; FADA 659 dial glass; Chelsea ZR-4 audio transformer; Sentinel 400 Television; Plastic CRT cover (front) for 17" Philco Predicta; Pilot TV-37 tuning knob (wood). Frank Johnson, 530 Elford Rd., Fairless Hills, PA 19030-3624 (215) 943-8295

WANTED: Japanese tubes: UF134, UZ135, UF109A, UF111A, UY133A. Lewie Newhard (610) 262-3255

WANTED: Sales literature, service manuals, and equipment for theatre sound / broadcast use by RCA Photophone, Century Sound, Motiograph, Altec, Western Electric, etc. Theatre catalogs by Jay Emmanuel Publications, Philadelphia. Scott Stillwell, 2328 Cambridge Circle, Hatfield, PA 19440 (215) 393-1833 pager: (800) 717-9306

