

The Grid Leak

Jan., Feb. Mar.
2014

www.hvra.org

(Color GL on web site)



3 Big Auctions

Radios Phonographs Tubes Testing TV HAM
Old Equipment Contest With Cash Awards

Philmore

Featured Radio Manufacturer



Technical & Historical Sessions

Edwin Armstrong
Father of the Regenerative Circuit

• Pathe Phonographs

Radio Accessories & Ephemera

Banquet Speaker
Old Time Radio Author—Jack French
"When Radio Wore a Cowboy Hat"



For Convention information info & more
www.hvra.org

Bill Werzner, President 713 721-2242
Derek Ross, VP 832 483-9819

From The Prez.....

I know everyone is wondering what has happened to our bimonthly publication "The Grid Leak". Well, let me explain and then I will bring you up to date on club happenings these last couple of months. Then I will get into the events that await us as we progress into this New Year.

So, as an encore, I wish you all a belated Merry Christmas, and Happy New Year from this old guy at the keyboard.

During our last Board of Directors meeting, we were considering ways to slow the rate of spending in order to conserve our treasury's reserve funds for the future. In a matter of days, postal rates will jump once again, this time by four cents to forty-nine cents for a first class stamp. When HVRA published our first newsletter at the end of 1978, a first class stamp was only fifteen cents, a post card could be sent for ten cents. Printing costs have increased as well, so each mailing of about 250 hard copies are costing us approximately \$300.00 every two months, or \$1,200.00 per year.

I know there are some who say that mailing hard copies in this computer and i-phone age is a thing of the past. What they fail to realize is not everyone owns a computer, or i-phone, or is computer savvy enough to fully use one. I have seen figures as high as 40% of seniors not utilizing these modern electronic devices, even when they have them in their home. A printed newsletter is still preferred by the majority of our members, I don't see that number changing anytime soon.

One way to conserve newsletter expenditure is to go to a quarterly publication and that was voted upon in favor during the December Board of Directors meeting. In doing so, this will save us approximately \$600.00 per year - the cost of thirty annual memberships!

Returned mail expenses are another matter and if members are moving to a new address, please remember to notify Editor Dave Moore or me of the new address as soon as possible. Each year, resending returned mail is costing us over \$40.00 not counting lost time and delayed schedules.

There will be occasions where the mailing of a post card will be necessary to inform members of meeting changes, auctions, etc. that may arise between the quarterly mailings. This we will continue to do so as in the past.

So please check our web site often to keep abreast of what is happening. Have you visited www.hvra.org in the last few days? Weeks? Month?

November 2013

Please note, there were no formal monthly meetings held during November and December due to the annual holiday closings of the Bayland Center.

November began with our semi - annual HVRA – VRPS swap meet and barbecue hosted by Cecil and Fran Miles at their country home near Grapeland, TX. The day started a little chilly, but as the sun climbed into the morning sky, the weather warmed and a beautiful day was at hand. If you were the recyclable resource type, you may have thought you found paradise, especially when that free trailer load showed up. It was like a South American piranha feeding frenzy involving humans picking parts.

I did salvage a few capacitors in the melee then, everything came to an end when one guest bought both trailer and contents to enjoy

*Bill Werzner ,
HVRA President*

At the bench



at his leisure. I hope he managed to sneak this past his wife somehow – hope he had a good hiding place. Had it been me and my wife found out, I might still be sharing quarters with two German Shepherds in the back yard.

The local caterer did a splendid job as Dave Moore had everything coordinated down to the minute so the thirty something diners were pleased with both the quality and quantity that was served buffet style.

HVRA Treasurer, Tom Burslem was driven to the event by his wife Brenda. Together with our hosts Cecil and Fran, and members of HVRA and VRPS, we spent our final gathering with Tom whom we loved so much. I know Tom cherished those few hours spent together with us all.

Beneath the pecan trees we gathered for a group picture around Tom, we knew this would be our final farewell as his physical condition was worsening. Tom died three weeks later following a heroic battle with cancer that lasted several years, RIP Tom, a friend we will always remember.

December 2013

The December Board of Directors meeting was piled high with agenda items that had accumulated for over two months, so some items that were tabled in previous meetings were addressed and finally put to rest.

Our number one objective was getting our treasury put back in shape and getting records back in order. Tom's wife Brenda had all of his files, cash box, receipts, etc. ready for pick up following his funeral.

The Board appointed HVRA former President, Charles Sharpless as interim Treasurer whom I'm sure will be elected by the general membership to that post during our general meeting on Jan25.

Another major item concerned the overhauling of our tried and true auction software. Keith Kramer who designed the original software was on hand to demonstrate his new upgraded version. The club projector was connected so Keith was able to show visually, how his new program would operate.

Needless to say, everyone was really impressed and we look forward to giving it a shakedown run during the January 25 meeting auction.

A back up printer was also acquired by Keith as the old one has been cause for concern due to its age. The old printer will be taken in for cleaning and repairs, and kept as an auxiliary unit.

From HVRA, kudos to Keith and all of you have assisted in updating our computer hardware and software.

General Meetings - Looking Forward!

Our first regular meeting of 2014 will be held at the Bayland Center on Saturday, Jan. 25, 9:00 AM. Following a nearly three month hiatus, we can expect quite a bit of renewed activity.

The January 25 meeting will begin with the election of HVRA Treasurer, a position that currently being filled by Charles Sharpless in an appointed position. This is a formality that we must follow as per our bylaws.

The program will be about test equipment, and problems that can be avoided by using the correct instrument in the right place during trouble shooting. Tube testers will also be demonstrated in which several good and defective tubes will be compared using mutual conductance and emission type testers. If you are getting started in radio repair, you won't want to miss this program. The regular monthly auction will follow along with a request for volunteers for the convention auction Feb. 28 – Mar. 1.

The February general meeting will be a final prep as we prepare for Convention 2014 to celebrate our 35th anniversary the end of the month. Reid Shipp will sponsor the program titled "Collections". Reid said to bring them on, electronic or otherwise (no feral dogs or cats please!). Reid says you may qualify if you have only one item to collect. A monthly auction will follow along with any convention updates that may arise between now and then.

As with all of our monthly meetings, coffee, juice, donuts and snacks will be provided (for a nominal fee of course).

Watch our web site for activities aboard the Battleship Texas during

Basic Electronics Classes 2014

There have been a number of inquiries from both inside and outside HVRA this last year, about the possible resumption of radio repair classes. The basic classes were first held during the late 1990's with Bob Wood and Bill Werzner as instructors.

This series of Saturday morning classes began with basic electronic math calculations, schematics, and circuitry; then progressed on to more advanced trouble shooting and repair at a rapid rate. Perhaps that rate was too fast and too steep for many to follow. By the time class six, of the ten class course, came around; attendance fell to only a few individuals.

This instruction method was repeated several times over the following decade, and each time around the half way point, participation fell to only a few individuals. Perhaps we need to hit the restart button and take a different approach with these new classes.

Looking ahead to the month of April, there should be enough lead time to prepare how to approach this and establish a class syllabus that will appeal to all who may sign up. This is also a chance to reach out to scouts, high schools, Leisure Learning, etc.

Let's hear some suggestions at the board meeting next week and at the general meeting Jan.25. This may provide a venue for growing our organization and bringing the younger generation on board.

2014 - Meeting Contests

February — Collections Contest

Exhibit can be one item or a collection of items.
No previous winning collections permitted.

April — Television Tube Amplifier Contest

All stages must be tubes made from television sets.
No horizontal output or audio output tubes.

September — Regenerative Radio Contest

Commercial or home built, vacuum or solid state

November — Golden Guitar Amplifier Contest

Tube or Solid state. An attempt will be made to provide a musician with guitar.

New Convention Dates
Feb. 28 & Mar. 1, 2014

HVRA Officers

President: Bill Werzner, 11402 Endicott, Houston TX 77039-2912; 713-721-2242; werz1943@gmail.com
VP: Derek Ross, 5910 Gentlewood Ln., Sugar Land TX 77479; 832-483-9819; allenross04@yahoo.com
Secretary: Tom Taylor N5ACA, 1118 Glenshannon, Friendswood, TX 77546; 281-996-5835; tomm5aca@juno.com
Treasury: Vacant (Charles Sharpless, acting)
Historian: Gilbert Hedge, 1626 Kenwick PL, Pasadena, TX 77504; 714-625-5979; zen1441@sbcglobal.net
At Large #1: Reid Shipp WA5ARI, 1519 3rd St., League City, TX 77573; 281-943-9877
At Large #2: Lance Borden WB5REX, 13911 Kensington Pl., Houston, TX 77034; 281-620-6692; wb5rex@earthlink.net
Webmaster: Derek Ross, 5910 Gentlewood Ln., Sugar Land TX 77479; 832-483-9819; allenross04@yahoo.com
Grid Leak Ed.: David Moore KF5FUM, 3213 Regal Oaks, Pearland TX 77581-6411; 281-705-3402; wd11@swbell.net

“The Battleship TEXAS Centennial Celebration”

The Battleship Texas Foundation, working in partnership with the Texas Parks and Wildlife Department, will host a public festival to celebrate the 100th anniversary of the commissioning of the Battleship TEXAS, Saturday, March 15th, 2014 from noon-10pm.

The 2014 Festival will feature Robert Earl Keen’s “A Texas Uprising” and will be held on the grounds of the San Jacinto Battleground Park adjacent to the ship.

The festival will honor the Battleship TEXAS, her legendary history and pay tribute to the surviving crewmembers who proudly served on the ship during WWII. Commissioned on March 12, 1914, the TEXAS served in both world wars and is the last remaining “dreadnought”, or big-gun battleship.

Gates open at noon with the following live entertainment lineup:

- 12:30 pm – 2:00 p.m. Kelly Willis & Bruce Robison
- 3:00 pm – 4:30 p.m. Charlie Robison
- 5:30 pm – 7:00 p.m. Reckless Kelly
- 8:00 pm – 9:30 p.m. Robert Earl Keen

Tickets are available for pre-sale and at the gate. General admission tickets are \$14 pre-sale and \$20 day of the festival. A discounted price is available for Veterans, \$8 pre-



sale and \$15 at the gate. VIP tents and ship access are also available. For additional information, please visit www.battleshiptexas.org.

The Battleship TEXAS will be open from 10 a.m. – 5 p.m. for public tours. Festival patrons can also visit interactive exhibits, historical zones and children’s activity zones; enjoy headliner musical entertainment; local restaurants and gourmet food trucks; and a fireworks show to end the celebration

“Texas State History Museum to Host Battleship TEXAS Exhibit”

The Texas Parks and Wildlife Department (TPWD) exhibit, “The Last of the Dreadnought Battleships,” will open on Feb. 1 at the Bob Bullock Texas State History Museum and run through April 13. The exhibit pays homage to the Battleship TEXAS, which was commissioned 100 years ago.

The exhibit, which will highlight the history of the Battleship TEXAS in service to the United States Navy through World War II, will showcase 60 artifacts of the only surviving U.S. Navy vessel to have seen action in both world wars. Artifacts on view will include select pieces from the silver service presented to the battleship by the people of Texas, historical photographs and personal items from men who served aboard the TEXAS. A special listening station shares crewmember memories of service aboard the TEXAS during World War II.

The exhibit will be located in the Third Floor Rotunda Gallery of the Bob Bullock State History Museum, 1800 Congress Ave. Hours are 9 a.m. to 6 p.m. Monday through Saturday, and noon to 6 p.m. on Sunday. The museum will host special High Noon Talks on the Battleship TEXAS on the first Wednesday of February,





Thomas Jordan Burslem

1952—2013

Thomas Jordan Burslem went to be with the Lord November 25, 2013, after a long battle with cancer. He was surrounded and supported by his loving family and caregivers during the last days of his life. Tom was born December 23, 1952.

Tom is survived by his spouse, Brenda, daughters Sara Diane Martinez, Colleen Hays Bragg, grandchildren Kayla Marie Ramon, Kyra Alicia Martinez Andrew Thomas Bragg, step-children Michelle Williamson, Michael McDevitt, Jerrad Hansen, step-grandchildren Justin Lundgren, Katelin Lungren, Nathan Lundgren, Aubrey Williamson, Aden Williamson, Nevaeh Hansen, brothers John "Jaman" Burslem, Robert "Son" Burslem, Richard "The Chief" Burslem, sister Ginger "Ginny" Ashworth and numerous nieces, nephews, cousins, and friends. He was predeceased by his father, Bert Burslem and his mother, Mariette Burslem. Tom will be missed, but he is with the Lord and no longer in pain. He is whole again.

Tom Burslem
HVRA Treasurer

Tom's significant life accomplishment was parenting two very independent, beautiful daughters. He loved going to garage sales with his wife, Brenda, and playing with his grandchildren. He always looked forward to attending the MEGA auction in February with the Houston Vintage Radio Association and enjoyed repairing old stereo equipment.



Tom preparing the auction computer at the October, 2013, meeting.



A few years ago: Derek Ross, Tom Burslem monitor and record auction action as auctioneer, Bill Werzner addresses the members.

Member comments:

David M — Tom joined HVRA in June, 1996 (according our records) and was elected as treasurer in 2004 following Greg Lefebvre. Tom remained our treasurer, assuming an active roll in all our activities until his passing in November. Tom was never shy about offering his ideas and concerns even after he became ill. He will be missed.

Tom T.—One of my lasting memories of HVRA is and will be Tom B's smiling energetic smile at the convention registration desks just as you walked in the door. A most fitting and perfect image.



Is The Oscillator Working ?

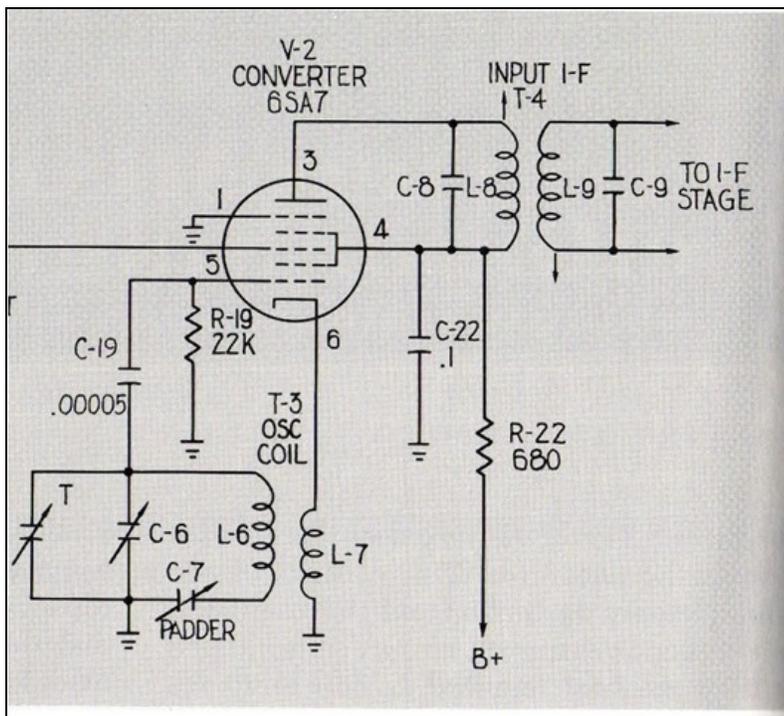
by Bill Werzner

In my many years of repairing radios, nothing is more frustrating than after having spent countless hours restoring a vintage AM radio, the radio remains stone cold dead. Deteriorated wiring, old capacitors, out of spec resistors – these are the things we replace during what I call a “shotgun overhaul”.

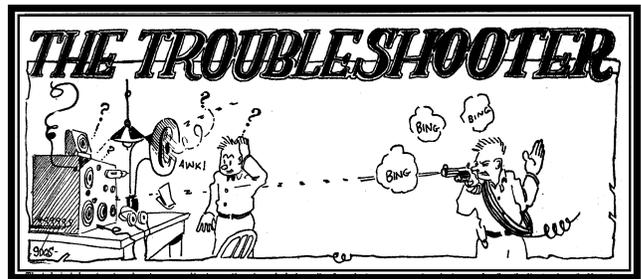
During our electronics classes, the late Col. Bob Wood used to say, “if it’s a paper wax molded capacitor, get it out, if it ain’t bad, it’s gonna be bad.” That is good advice from an old expert who loved to tinker with old radios.

Now that you’ve done all this work no stations can be tuned in, but you hear a thump in the speaker when you tap the grid of the converter tube.

In older sets, especially some of the collectable Philco cathedrals and tombstones from the 1930’s, the converter tube is a 6A7, and in later models the 6A8 came into common use. Some examples of other pentagrid converter tubes that followed through the years are the 6J8, 7A8, 7Q7, 12SA7, 6BE6, (6SA7 below), etc.



The Grid Leak— 6



In this Trouble Shooter article I will use the 6SA7 as a test example. The same technique in checking grid bias voltage also applies to sets that use a separate tube to function as an oscillator, for example; a 27 or 36 in some older sets.

To test for oscillator operation, one quick and dirty technique is to measure the grid voltage between the oscillator grid and the tube cathode. A small negative grid voltage in the range between -3 and -5 volts is an indicator that the oscillator is functioning. In the diagram below, you would make this measurement between pins 5 and 6.

Problems that often cause oscillator failure can be the tube – even though it tests good in your tube tester, it may fail to provide oscillation. This is where it is desirable to keep a known good tube that has functioned in a radio on hand as a backup. Assuming you have a good tube, check the following: [1] plate and screen voltages (pins 3 & 4) for B+ [2] oscillator windings L-6 & L-7 is where opens are often found in many old sets [3] check variable, trimmer, and padder capacitor if present [4] capacitor C-19 is often a very small mica capacitor (50 pF or less) and it is not uncommon to find it has opened, sub a new one in its place as a test.

Lastly, resistor R-19 may have opened or increased in value.

Follow this outline and you will your oscillators oscillating, but watch out for those wayward electrons!



HVRA - VRPS Swapmeet



The swapmeet got real active after a trailer arrived with free stuff.

In the Piney Woods of East Texas, near Grapeland, folks gathered from around the state to buy– sell– trade radios and eat smoke cured, finger lick’n good Bar B Q. Cecil’s array of antique cars and eclectic museum of radio ephemera, plus a picture perfect Fall day made it an especially relaxing day. Responsibilities associated with the two organizations were set aside enabling members to enjoy the relax atmosphere.

Cecil and Fran, noted for being on American Pickers program, were the perfect hosts.

A trailer load of “goodies” arrived and received a lot of attention because the price was right—Free.

One of the highlights was to see Tom and Brenda Burslem, not realizing that this was the last time we would see Tom. His attendance truly indicated his strong ties to our organization and his interest in the antique radio hobby. We will miss him.



*Tom and Brenda Burslem
We all enjoyed visiting with Tom and Brenda.
This was the last event Tom attended, he passed away a month later.*



No one passed up good East Texas Bar B Q.



*Cecil Miles
shows off his
patriotic Uncle
Sam from his
eclectic museum*



*Victor Garcia and
his wife enjoy the
Bar B Q with
Fran Miles.*

HVRA 2014 Convention

February 28—March 1, 2014

Featured Manufacturer: **Philmore**

Date Changed



HVRA 2014 Old Equipment Contest

February 28—March 1, 2014

- 1 **Wireless / Spark Equipment (pre-1925)**
- 2 **Crystal Receivers – Broadcast**
- 3 **Cathedral & Tombstone**
- 4 **Table receivers (tube) – Wood**
- 5 **Table receivers (tube) – non Wood**
- 6 **Consoles**
- 7 **Transistor Radios**
- 8 **Reproducers & Microphones**
- 9 **Vacuum Tubes**
- 10 **Phonographs**
- 11 **Telegraph & Telephone**
- 12 **Kit Radios (either assembled or unassembled)**
- 13 **Scientific, Test Equipment & Small Electrical Devices**
- 14 **Hi-Fi equipment**
- 15 **Amateur & Military Radios**
- 16 **Replicas and Vintage Style Creations**
- 17 **Television**
- 18 **Manufacturer Category – Philmore**
- 19 **Theme – Edwin Armstrong –
Regenerative circuit 100 yrs anniversary.**
- 20 **Anything that Sparks -- (functional)**
(Tesla coils, Spark transmitters, Van de Graf machines,
Wimhurst generators, Ruhmkorff coils, etc)
- 21 **Open Display**

**** Note:** *All entries must be >40 years old except for categories 7, 14, 16, 19, 21.
Foreign radios may compete in the appropriate category*

Convention Site:

**Houston Marriott North
at Greenspoint**

Room rate—\$79 +tax
281-875-4000
800-228-9290

Old Equipment Contest

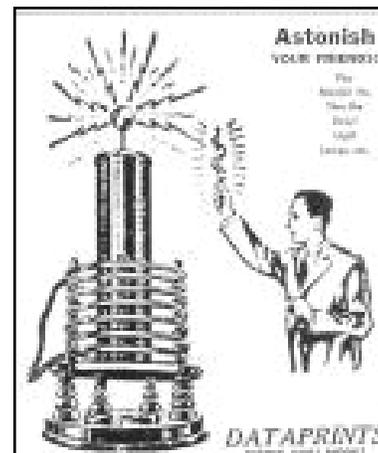
Cash prizes will be offered for:

Best of Show
Peoples Choice
Best Restoration

Regenerative Circuit
100 yr Anniversary
by
Edwin Armstrong
Theme Category



Let the Sparks fly
at HVRA convention



HVRA Event Schedule:

Location for all events: Bayland Park Community Center, 6400 Bissonnet, Houston, TX Coffee & snacks available at regular meetings.

Tuesday, Jan. 14, Monthly Board of Directors Meeting 6:30 PM, Pizza served.

Saturday, Jan. 25, Monthly meeting, program and auction. Coffee, juice, & donuts served.

Tuesday, Feb. 11, Monthly Board of Directors Meeting 6:30 PM, Pizza served.

Saturday, Feb. 22, Monthly meeting, program and auction, Coffee, juice, & donuts served.

Two Day — HVRA Convention

Friday, Feb. 28 & Saturday, March 1.

Two day auction, contest, convention, and banquet.

Greenspoint Marriott Hotel, 255 North Sam Houston Parkway

E., Houston, TX

(281) 875 - 4000 Room rate: \$79

Tuesday, March 11, Monthly Board of Directors Meeting 6:30 PM, Pizza served.

Saturday, March 22, Monthly meeting, program and auction Coffee, juice, & donuts served.

Tuesday, April 8, Monthly Board of Directors Meeting 6:30 PM, Pizza served.

Saturday, April 26, Monthly meeting, program and auction. Coffee, juice, & donuts served.

VRPS Spring Auction March 15, 2014

7 am—5 pm

Senter East Bldg, 228 Chamberlain St., Irving TX

www.vrps.org

Classified Ads

Wanted: Manual for the B&K 415 Analyzer, Prefer it include a schematic. Helps if you have one I can look under. Tom [281 229 2970](tel:2812292970)

Wanted: Majestic model 55 1st & 2nd IF transformers; Norman Mueller 870-387-2088; Larry Lamia 479-394-3509.

For Sale: Decca “hybrid” suitcase record player. Tone arm same as “wind-up” type turntable, 120v motor operated. Unit is very light. Fabric over wood case in good condition only a few minute chips at corners, handle poor. New motor grommets and idler wheel; Norman Mueller 870-387-2088; Larry Lamia 479-394-3509.

Wanted: Mitsumi plastic tuning condensers for AM-FM radios; and 5K printed circuit volume control for transistor radios; Larry Lamia 479-394-3506

Buy, Sell, Trade, & Services Offered

Radio & Phonograph Sales & Repair including vintage auto radios, battery sets, foreign sets, etc. We also sell and service vintage telephones and telegraph equipment also parts, new & used tubes, transformers, schematics, books, phonograph parts & needles, records, etc. Vintage Sounds – celebrating our 27th year in business. Open Fri., Sat, & Sunday from 10 until 6 PM. Now located in The Market Place Antiques, 10910 Old Katy Road, in Houston (Located just west of The Room Store on the north side of the Katy Freeway). 10% member discount on radio items.

Borden Radio Company website: <http://www.xtalman.com> Antique Radio Schematic Service included in website. Crystal radio kits for sale. (281) 620 - 6692

Sargent Auction Service: www.sargentauction.com | Jim@sargentauction.com Jim Sargent, WA5QBR, Auctioneer | TX license 16135 | 2112 Blackfoot Trail | Mesquite, TX 75149

Allen Speaker Service, Speaker re-coning and repair, 919 W. 19th St. Houston, (713) 862 – 2747.

Tom Granger Restorations, radio and phono cabinets. (281) 338 – 8277. www.tomgranger@mac.com

Electronic Parts Outlet (EPO), 3753 Fondren Rd., Houston, TX 77036 New and surplus electronic components of all kinds (713) 784 – 0140. Mon. – Sat. closed on Sunday

Blue and Razz Scrap call Jesse Robinson (713) 870-1998 “You call, we haul-free” Old appliances, TV’s, Scrap metal, etc. Houston, TX 77074.

Philmore

Philmore Manufacturing Co.

Philmore was formed in 1921 in New York City as the Ajax Products Company and later incorporated under the Philmore name in 1925. It was the most durable and successful company in regard to numbers of crystal sets and components (detectors, crystals, and hardware) marketed. During it's more than 60 years of producing crystal-set items, Philmore Manufacturing Company made a wide variety of inexpensive products. Crystal sets with the Philmore name range from miniature to intermediate in size. Most of the earlier sets have a thin case or an uniloaded box. Open and breadboard sets appeared later. Some of these items were given more than one trade name by Philmore, others retained the same trade name even when changes were made in the product, and several articles were produced for other companies that used their own trade names.

Sets that Philmore marketed over several years often were sold under more than one trade name. Examples are Ajax, Blackbird, Blue Bird, Kompakt, Little Wonder, Philmore, Supertone, Sky Rover, Little Giant, Luxor, Peerless & Federal Selective. In the 1950's and 60's Philmore used the trade name "Selective" for an entirely different kit set that is breadboard-mounted with a diode detector. Philmore was also a major parts supplier for other manufacturers. Identifiable parts made by Philmore appear as components of many crystal sets produced and marketed by other companies. Although not inscribed with the Philmore name, these parts are recognizably distinct.

Source: *Crystal Clear - Vintage American Crystal Sets, Crystal Detectors and Crystals, Volume 2* by Maurice L. Sievers



2014 Convention Registration Form February 28th -March 1st 2014 Houston Marriott North

Name: _____
Address: _____
City/State: _____
Zip: _____
Telephone: _____
Email: _____
Local hotel: Marriott Other _____

	No.	Total \$
Registration: \$10 (advance) (\$15 at the door)		\$
Awards Banquet: \$25 / person		\$
Membership: \$20 (new/renew)		\$
First Swap Meet Table (Free)		\$ -0-
Additional Tables (\$10 each)		\$
Grand Total		\$

Make checks or money orders payable to HVRA.

Return Payment to:
Charles Sharpless
P.O. Box 31276
Houston, Texas 77231-1276

HVRA

HOUSTON VINTAGE RADIO ASSOCIATION

Presents the
**35th
Annual
Convention**

February 28th - March 1st

2014

Houston Marriott North
Houston, Texas



Convention updates and contest rules posted
on the HVRA website:

www.hvra.org

HOUSTON VINTAGE RADIO ASSOCIATION

The Houston Vintage Radio Association (HVRA) was founded in Houston, Texas in November 1978 when twenty-two men met in the basement of the Museum of Science and Natural History to organize a club dedicated to the preservation and restoration of antique radios.

Although the HVRA primarily draws its membership from the Houston - Dallas metro areas, others reside throughout the United States and in several foreign countries.

The membership includes not only collectors and restorers of antique radios, but those who collect antique phonographs, telephones, telegraphs, records, ham equipment, televisions and other vintage electronics.

The HVRA also reaches out to the greater Houston community in general. Restoration of the communications equipment on the Battleship Texas is an ongoing project.

Today the HVRA continues to support the collecting community through its monthly meetings, electronics and ham classes, swap meets, auctions, and the annual convention. The annual two day convention includes several large auction events, a swap meet, antique radio contest, plus technical and historical presentations pertaining to a variety of radio and related subjects.

Event Schedule

Friday, February 28th

- 10AM-7PM Registration
- 10AM-4PM Swap Meet
- 10AM-4PM Auctions #1 & #2 Check-in
- 10AM-4PM Old Equipment Contest Check-in
- 1PM-4PM Technical & Historical Sessions

Edwin Armstrong

Father of the Regenerative Circuit

Bob Botto & Lance Borden

Pathe Phonographs

Krith Kramer

Radio Accessories & Ephemera

Kathy Botto

4:30PM Auction #1: Tubes & Paper

6:30PM Auction #2: Plastic & Transistor Radios, Test Equipment

(\$5 min. - NO Junk, please!)

Saturday, March 1st

- 8AM-11AM Registration
- 7AM-11AM Swap Meet (Open to the public)
- 8AM-11AM Auction #3 Check-in
- 8AM-9AM Old Equipment Contest Check-in
- 9:30-10:30AM Contest Judging
- Featured radio manufacturer: Philmore
- 11AM-5PM Annual Meeting & Auction #3: Wood Radios, Consoles
- (\$20 min. - NO Junk, please!)
- 6:30PM Awards Banquet

Banquet Program

Guest Speaker Jack French
When Radio Wore a Cowboy Hat



Jack French

Jack will discuss several of the more popular westerns, (*Gunsmoke, Tales of Texas Rangers, Tom Mix, The Lone Ranger, etc.*) and some of the more obscure ones also.

He is a former FBI Agent and editor at The Metropolitan Washington Old Time Radio Club (MWOTRC).

Jack will be signing copies of his book
Radio Rides The Range!

Cash or Check only

For more information, contact:

Derek Ross
allenross04@yahoo.com
832.483.9819

Auction participants must be HVRA members.
HVRA dues: \$20 per year.

Houston Marriott North
255 North Sam Houston Parkway East
Houston, Texas 77060

261-875-4000 or 1-800-228-9290

Room Rates: \$79 per night (single & double)

Your stay at the Marriott helps defray
HVRA expenses.

Bush International Airport Transportation:
Free Marriott Airport Shuttle Service
Use hotel courtesy van

Convention 2014

**See Inside
For
Details
&
Registration
Form**

The Grid Leak *Jan-Feb-Mar 2014*

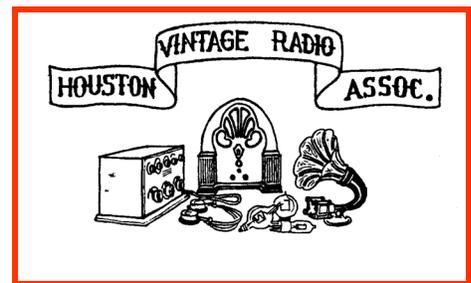
Monthly Meeting— Jan 25
Bayland Park 8:30 AM

Monthly Meeting— Feb 22
Bayland Park 8:30 AM

HVRA 2014 Convention—Feb 28—Mar 1
Greenspoint Marriott Hotel

www.hvra.org *(Check out the fresh new look)*

Notice on renewing your membership!
Please check the expiration date by your name in the address label.



New Convention Dates
Feb. 28 & Mar. 1, 2014