

The Grid Leak

March—April
2013

www.hvra.org

(Color GL on web site)



*“The Long Ones” Win -
BEST of SHOW & Peoples Choice*

Billy Richardson

Inside —

- From the President
- Club events/BTARS/announcements
- CONVENTION 2013—Complete Coverage
- Photographs of Convention
- Trouble Shooter
- Club Schedule

Alvin Swap Meet

May 25, 2013

8:30 am

Mike Payne's Place

Alvin TX

From The President.....

These last two months have been both a busy and fun time for us from the standpoint of activities, parties, auctions, and contests.

Things got off to a roaring start with our annual post holiday party at the Monument Inn over in La Porte, TX on January 5. With fifty-eight guests in attendance, everyone had an enjoyable evening socializing and enjoying the wonderful dinners the Inn is famous for. No one left hungry evinced by the number of styrofoam doggie boxes that were distributed. The fun auction raised money for the Battleship Texas as requested by our members and several hundred dollars in door prizes left with lucky ticket holders.

Remember the intro. I gave in the Jan. Feb. "Grid Leak" about, "they're coming out of the woodwork on us"? Well it came true during the record setting auctions of Feb. 8 and 9. It was not a record breaker moneywise, but in sheer quantity, as an avalanche of items nearly overwhelmed our two day auction.

Once again our trusty volunteers stepped forward and made our 34th annual convention one for the books! Special thanks to all who devoted time and effort in organizing the convention, getting hotel reservations, registrations, technical talks, contest, and auctions. I could list names of those who devoted so much time and effort, but I'm afraid I would leave someone out – you know who you are and I want to extend my sincere thanks to all of you for making this event a resounding success.



*Bill Werzner ,
HVRA President*

At the bench

The chair persons with whom you worked and organized these events were as follows: Vice President Jim Calbeck – Convention Chairman, HVRA Treasurer Tom Burslem – Registration, Dave Moore – Contest chairman, technical talks, and awards, Reid Shipp – Auction Chairman.

Without your dedication and hard work, convention 2013 could not have succeeded. As HVRA's resident auctioneer, I also want to thank VRPS President Jim Sargent and HVRA Secretary Tom Taylor for providing me with some badly needed relief in auctioning what seemed to be a never ending stream of approximately nine hundred auction items.

I need to keep this short so there will be room for photos and other articles. In closing, kudos to the folks at the Greenspoint Marriott Hotel, our contest judges, registration table staff, auction workers and handlers, and technical talk providers who made this possible. Let's do it again next year! Bill W.

HVRA Electronics Classes

March 23 Class VI "Three Way Receiver Power Supplies and Review of Transformer and AC DC Radio Power Supply Troubleshooting" If you plan to service Zenith Transoceanic radios – don't miss this class on three way receivers!

April 27 Class VII "Constructing Battery Eliminating Power Supplies for Vintage Battery Powered Radios and Farm Sets". This class will deal with commercially available battery eliminator construction kits and those constructed from surplus parts.

June 27 Class VII "Audio Amplifier Output Stages of Vintage Radios Using Triode Output Tubes". For some late 1920's Atwater Kent's, RCA Radiola 17's & 18's, and others of that genre; learn how they work and how to repair them.

2013 General Meeting Contests

By Reid Shipp

April 27 Home built test equipment contest
Note: New Date

August 24 Low B+ amplifier contest
October 26 Golden Ears contest

Rules—Discription

Home built test equipment contest: Any test equipment built from kit or scratch materials.

Low B+ amplifier contest: Amplifier must be played and provide a reasonable volume, use vacuum tubes with a low plate voltage. The winner—amplifier the meets the requirements and uses the lowest plate voltage.

Golden Ears contest: any solid state, vacuum tube amplifier, home built, kit or commercial. A blind listening test will determine the winner. Amplifiers will be played with organ & drum music. Speakers will be provided.

Note: All previous contest winners are eligible, the contest entries are NOT eligible.

Battleship Texas —

BTARS upcoming events: **2013 Annual Museum Ships Weekend**

The Battleship New Jersey is again sponsoring their Annual Museum Ships Weekend on June 1st and 2nd.

Come out and join us for an exciting Ham Radio event where radio operators across the U.S. and more will try to contact at least 15 Museum Ships to earn an event certificate.

We can receive over 1,000 radio contacts during the event, talking with people who love history and radio, most are prior military service, and some are new young hams just beginning.

We can always use more radio operators and it's a real thrill to have a line of people waiting to talk to the Battleship Texas.

Watch our website for updates and listen for our call sign "NA5DV".

BTARS website:

www.na5dv.org

Museum Ships Weekend Details:

<http://www.nj2bb.org/museum/>



Reid Shipp displays Simpson meter collection and explains the variation between model. Tom Burslem (R) manning the auction computer.

February Meeting

Report on the HVRA Monthly Meeting Saturday, Bayland Park Community Center, 6400 Bissonnet

The February HVRA monthly meeting was called to order at 9:30 AM on Saturday, February 23, 2013.

The first order of business was the monthly contest that is organized by Reid Shipp. The subject of the February contest was "Collections." These could be collections of anything, including non-radio items. There was only one entry in the contest and that was a magnificent collection of Simpson meters brought in by Reid Shipp.

Reid's collection contained Simpson meters going back to some of Simpson's earliest products. His collection also included many newer Simpson meters. Reid won a 1-year free membership to HVRA for his effort.

The next order of business was the monthly auction. February's auction was rather light compared to the normal monthly auctions. However the quality of the items in the auction was above average.

The meeting ended with one of Bill Werzner's excellent classes in vintage electronics. The subject of Bill's talk was AC Power Supplies, Voltage Doublers, and Voltage Multipliers. As usual, Bill's presentation was very informative and also very helpful to those who are learning to repair vintage radios. It also served as a great refresher for those who have had experience with servicing tube-type equipment.

The next HVRA Monthly Meeting will be on Saturday, March 23rd at 9:30 AM. The location will be the Bayland Community Center, 6400 Bissonnet. There will not be a monthly contest at this meeting. Bill Werzner will again teach a class in vintage electronics repair. March's subject will be Three Way Receiver Power Supplies and Review of Transformer and AC DC Radio Power Supply Troubleshooting. If you plan to service Zenith Transoceanic radios – don't miss this class on three way receivers! Lance Borden



THE HVRA BIG ONES

Feb 8 and 9 2013

By Tom Burslem

I wanted a huge auction cause after all, we are Houston. We don't have to pretend to be anybody else. We do things our own way, have our shot guns on a shelf in the back of our pick trucks, love our country and still insist on flying a Texas Flag just below the American one. We are all pretty sure the country would be better off if New York city was a separate state. Texas Tea is sold by the barrel and not the glass....

But this auction dwarfed anyone's expectations.

If you were a buyer with an empty truck you saluted us; but if you brought many items to sell I'm sure your heart sank a bit as you observed the large number of lots stacked and our huge auction room was almost full by 2:00 FRIDAY afternoon. This was gonna be a buyers market. So why so much?

We, as your board of directors, decided to unload most of what we had in storage from estate sales. Over 95 items from the closed museum and 35 more lots from the almost never-ending Bob Wood Estate. We forced our own hands to commit to being a Radio club and not a storage club. WE APOLOGIZE TO ANY OF YOU THAT WERE HOPING IT TO BE A SELLERS MARKETING DAY...and the prices were reflecting what is occurring in many real estate markets...with 104 active members in the bidding, many were not that impressed with non Vintage Radio related items as "voted" by lower bid prices. But then again, many were more than pleased....

We had so many items from Friday that were unsold that we had to carry over almost 200 lots on to Saturday. We started our Saturday auction an hour earlier than normal to give us a head start... Plus we had several members decide to "unload" a storage locker without our knowing in advance what was coming through the door. Next year will be different. Stay tuned for changes.

However....we had a hullabaloo of an auction. On Friday the unusual stuff came out from every nick and corner of the room. The museum yielded huge transmitter tubes by the box load. Huge steel lockers full of tubes, test equipment pc boards and box after box what I could only classify as electronic gear. Can you say plethora? I cough every time I use the word but it's about the only word that comes to mind. The last to check out was around 10:00 PM Friday evening.

So if you weren't there what did you miss? OK, I'll try a Readers Digest version:

Electronic books, transmitter tubes-many NOS (over 30 lots), tubes of various genre's, military gear from field telephones to complete switchboards, a traffic light complete, various camera sets and stage lighting equipment, numer-

Many table top wooden radios were entered in the auction. It was a buyers market.



ous projector and complete transmitter/receiver radios, steel lockers full of radar and tube tester equipment and microphones. There was radio related memorabilia of oil paintings from various manufacturers. I over heard one club member say that some of the equipment was so rare that with his cell phone connected to the Internet he could find no price guide as to what many items were worth. Logic Analyzers, HP power supplies, microscopes, box loads of meters, magnetrons, Navy desk lamps, camera parts and stands, generators, soldering irons, frequency counters, antennas, voltmeters and oscilloscopes were all there.

Over 400 lots with \$4770 in sales for Friday was the final tally.

On Saturday we had an hour head start to finish up what we ran out of time for on Friday. We had a Zenith field day as one member brought in over 100 table sets from various decades. We did \$13,358 in sales with almost 500 lots sold. Many wood sets, and most of them in working condition were sold. A beautiful Crosley repro Blue Bird sold for \$130.00. Many striking Peerless and Radiola Speakers were sold near the \$100.00 range. Not to be ignored by our Hi Fi tube aficionados, we sold 2 Macintosh mono amps for \$925 each. A World Fair Radio sold for \$290.00.

Something for everyone? I'd like to think so. One thing you can say for certain about the Houston Radio club is you truly never know what will show up. I mean, you never know when a complete traffic light will come in handy or a Philco chairside complete with original Motorola Car radio will surface. This unit just needs a car battery!

And Dinner, or as they say in New York, the banquet? Wayne Dolcefino, our former Investigative reporter from a local TV station was amazing. I had to fight back tears as he spun some nostalgic stories about his many years as a reporter. Too bad TV has become like YouTube. A great evening with fine food was had by all in attendance. Bill presented him a restored Philco 60 cathedral for being our speaker and he was truly impressed.

Thanks for the memories.

Old Equipment Contest – Another Huge Success

Each year members bring unusual entries that seem to amaze everyone. It's always an unknown as to what will appear at the convention and it makes the Contest Chairman a bit nervous as the convention doors open. The old equipment contest committee and the HVRA board carefully consider changes each year and fine tune the categories to encourage member participation. For the past several years it has worked. The board considers the contest a very important element of the convention that stimulates discussion, interest and encourages each of us as collectors.

This year saw an increase in the number of entries (70) over previous conventions. Participation by members from out of the immediate area was great to see and is always encouraged. There was great to see the participation in the manufacturer's category – COLLINS Radio, (five entries).

In addition to the trophies and ribbons, cash prizes were awarded to the Best of Show, Peoples Choice, and Best Restoration winners. This has been the policy for the past several years to encourage participation and high quality displays.

Billy Richardson, HVRA member for many years whose talents are well known in the club, in Texas and in national circles. Sadly, because of health considerations, he has had to reduce his participation and activity, though the interest is still there. His remarkable talents were on display in the year's convention. Billy has a unique ability to create from his own imagination or from a 1920's magazine and build it from start to finish using vintage, new-old parts, if available. It may take him months, more likely, years, to collect all the necessary components before beginning construction, including drawings, engraving, decals, special transformers, etc. Most of the fabrication was done on the kitchen table – and still is.

Billy describes each of his sets:

1. Madison Moore

This radio was built from an essential coil and transformer kit that became available in the early part of 1926. They are in large nickel plated containers which inspired me to build the entire chassis out of nickel plated parts and hardware. It has eight UX 201-A tubes.

2. Federal Type 109-S

This radio was built from several clip-in coils that were sold by Federal during their early manufacturing days. Some of them were long wave coils for use with low frequency receivers. I had no use for the L.F. coils until it dawned on me that they might work for an I.F. amplifier. Thus was born the Federal Superheterodyne. It has nine UV 201-A tubes with fake labels to make them look like Federal tubes, which were sold for a very short time by a bootlegger.



The Grid Leak— 5



Special recognition plaque was presented to Billy Richardson (right) for his superior craftsmanship by David Moore.

3. Presley

The circuit of this radio was originally designed by Sergeant Jackson H. Presley of the U.S. Army Signal Corps for airplane use. When adapted for broadcast use, it was sometimes called the Super-Autodyne because one tube is used for the first detector and the oscillator. The essential coil kit for building it is smaller than all the others and I built it using the smallest authentic parts that were available for this time period, including the loop antenna and horn speaker. It has seven Cunningham C-299 tubes.

The two without names are:

1. Four cabinets strapped together - I called it the Haynes/Cockaday/Silver Project back when it was displayed in a specific category because the components were designed by three different men. My inspiration came from four nice construction booklets that were published in 1923, which were copies of construction articles featured in four issues of 'Radio' magazine. The first cabinet can be used as a one tube regenerative set with a pair of headphones, or it can be strapped to the audio amplifier cabinet to make it a three tube receiver for use with a loudspeaker. When all four cabinets are strapped together, it becomes a full blown superheterodyne using eight UV 201-A tubes.

2. Brass cabinet - This is a copy of a wireless receiver that was built by an amateur operator and displayed on the front cover of the June 1924 issue of 'QST' magazine. An article inside was written about the circuit and how to build a superhet in general, but a complete schematic or cabinet type was not included. Therefore, photos of his set were blown up in a computer and all of the parts and accessories were identified. These parts were then scaled to determine the dimensions of the cabinet and inside partitions, which were constructed from .032" brass sheet. It has seven UV 201-A tubes and one Western Electric 216 A tube.

Two examples of Billy's work: The Madison-Moore (L) constructed with all nickel plated parts, and the Brass Radio (R) construction from the cover of 1924 QST magazine.



Radio Convention brings many friends together.



L) Louis Jansaan and Tom Burslem, HVRA treasurer greet collectors/attendees at the convention registration desk.

R) George Potter (L) and Bob Botto discuss Titanic display during Bob's seminar.



L) Jim Sargent, Lance Borden and Tom Burgess pause while enjoying the displays in the old equipment contest area.

R) Auctioneer, Bill Werzner looks for the next bidder along with auction handlers, Gilbert Hedge (L) and John Schmitt (R).



L) Billy Richardson describes the many unique construction issues he had to consider during the fabrication of the Brass Radio to Jim Sargent.

R) Old equipment contest assistants Cecil Miles (L) and Lance Borden (R).



Right: Banquet speaker, Wayne Dolcefino shared experiences in life of an investigative reporter at Channel 13.

Left: Wayne was presented a restored Philco 60 by Bill Werzner (L) and Jim Calbeck (R)



Old Equipment Contest Highlights



L) Spycatcher radio SCR504A (Tom Burgess)

R) Duval Spirit of St. Louis speaker (Sam Luscomb)



U-L) Zenith 3M amplifier with 4R receiver (Gilbert Hedge)



U-R) Philco 1201 radio/phono new in box (Frank Gonzalez)

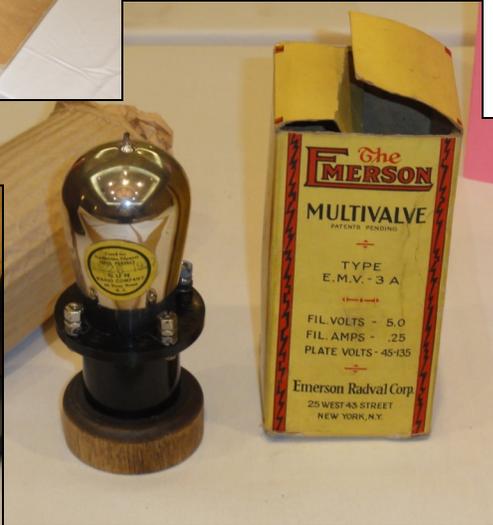


L) Complete Collins S-Line station (Pat Zapalac)

R) Halicrafter S-30 (John Orahood)



The Grid Leak— 7



U) Emerson multivalue tube for Standardyne radio (Johnathan Edwards)

L) Motorola 53H all four color examples (Jeff Heller)



R) Philco console 6B-164, 6 volt farm set (John Schmitt)

How to Lose Contests

By Ray Cathode

Another year has passed. Once again the Practitioners of Obsolete Technology (P.O.O.T) had a spectacular convention and contest.

Your humble scribe didn't enter the contest this year, but had the privilege of judging.

This year the judging was particularly tedious as many categories had multiple outstanding entries.

Due to the quality and quantity of submissions in some categories we were forced to really split hairs.

Unfortunately several potential winners undid all their effort with seemingly trivial actions and omissions.

Consider if you will the judging criteria; Rarity, Historical significance, Support documentation, Condition, Overall display, Originality.

It usually takes all to get a first place.

Here's how gorgeous entries tripped themselves up:

1. There was an apparent painstaking case restoration with grungy innards; a deal breaker. Otherwise it would have carried best restoration.
2. Another was a beautiful restoration inside and out, but no documentation other than make, model and year... Pity, it could have won it's class.
3. Yet another was an item none of us had seen outside of collector books, and had some documentation, but a very apparent layer of dust. Likely a category winner.

Presentation has a lot to do with the success of entries..

If it has accessories; bring ém !

If it can be shown in an operating state; do so.

Unless there are compelling and obvious reasons it needs to be clean inside and out.

When restoring try to remember to snap a few pictures..tell a story.A simple "before and after" works wonders.

A poster or notebook that tells the story in word and pictures will impress. If an item has a history or a story; tell it ! We are all about preserving and passing on.

If a simple vignette will add a lot of context to the item; consider the effort worthwhile. A little showmanship goes far.

The judges have varying individual viewpoints, likes and dislikes, but do their level best to be impartial, fair and intelligent in their decisions. The high plane of some of the deliberation might surprise you.

I'd invite everyone to be a judge just one time; if nothing else for the insight gained.. John Given



Mishy Sampson with a baby phonograph, manufactured by General Phonograph MFG Co.



Glass Radio Display—Clearfield 6L(top) and two unknown receivers, Erla crystal detector (L). (David Moore)



Gecophone bird speaker (Laura Flagel)

2013 Old Equipment Contest Results

Best of Show:
Peoples Choice
Best Restoration
New Contestant Award

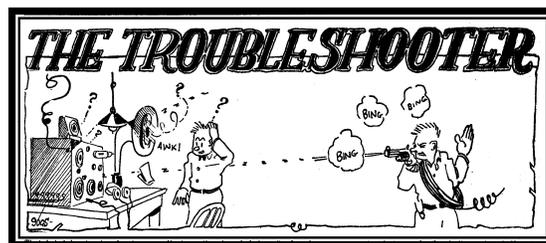
The Long Ones
The Long Ones
Zenith 3M Amplifier
Spycatcher Radio SCR 504A

Billy Richardson
Billy Richardson
Gilbert Hedge
Tom Burgess

1 Wireless, pre 1925	1-Spark gap (unk) 2-Navy type key	Bill Skaggs Mike Grimes
2 Broadcast Crystal Rec'r	1-Pylon Crystal set (2) 2-Mijico in box	Bernard Sampson Bernard Sampson
3 Cathedral, Tombstones	1-Meteor 1931 cathedral 2-Philco 37-610	Frank Gonzalaz Bill Skaggs
4 Table Rec'rs	1-Zenith 3M 2-4 Motorola Bat wings	Gilbert Hedge Jeff Heller
5 Consoles	1-Zenith 6B-16Y	John Schmitt
6 Transistor radios	1-Transistor w/External spkrs display 2-GE Iron Curtin rec'rs in box	Bernard Sampson Lance Borden
7 Speakers & Microphones	1-Duval "Spirit of St. Louis" spkr 2-Geophone Crane spkr	Sam Luscomb Laura Flagal
8 Vacuum tubes	1-Emerson multi valve & Standardyne	Johnathan Edwards
9 Phonographs	1-Philco 46-1201 new in box 2-Baby cabinet record player	Frank Gonzalaz Bernard Sampson
10 Telephone & Telegraph	1-Key and sounder on board	Cecil Miles
11 Amateur/Military	1-Browning Eagle S-23 2-R L Drake MSR-1	Lance Borden Reid Shipp
12 Hidden/Disguised Radios	1-Spycatcher SCR 504 2-Candle binocular/transistor	Tom Burgess Bernard Sampson
13 Kit Radios	1-Allied Knight "6 in 1" 2-Superkit Germanium radio	Lance Borden Bernard Sampson
14 Scientific, Test equip. & small elec devices	1-Supreme tube tester, Oscilloscope 2-1912 Wimhurst accessory kit	Frank Gonzalaz Bernard Sampson
15 Radio miniatures	1-Assorted miniatures	Cecil Miles
16 Hi-Fi equipment	1-Tube Amp w/807 tubes 2-Homebrew stereo amp	Mike Slovan Mike Slovan
17 Manufacturer – COLLINS	1-Collins Station 30L-1, 755-1, 325-1 2-Collins R-388 HF	Pat Zapalac Tom Frobese
18 Replicas & Vintage Style creations	1-The Long Ones 2-Buckaroo radio	Billy Richardson David Moore
19 Theme – Art Deco	1-Pied Piper crystal set 1934 2-Philmore crystal set 1937	Bernard Sampson Bernard Sampson
20 Advertising	1-Station KISR radio for adv.	Cecil Miles
21 Television	1-Junior TV set (toy) 2-Mouseketeer TV & story teller	Bernard Sampson Bernard Sampson
22 Open display	1-Glass radio display (3 sets) 2-Ed Armstrong 1950 letter (signed)	David Moore Mike Grimes
<i>70 total entries</i>		

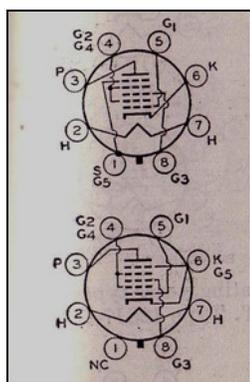


The 12SA7 and 12SA7 GT Converter Tubes – Yes They Are Different !

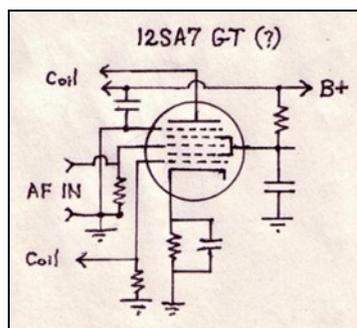


During my many years of repairing radios, I never gave much thought to interchanging metal and GT (glass tubes) in the radios I repaired. I guess it was just my nature to replace what was in there with one like the one being replaced. To put it simply, if it was a metal tube, I replaced it with a metal tube from my stock of tubes. 12SK7s and 12Q7's were treated the same way until I ran short of one or the other and freely interchanged a GT with a metal tube and there was never a problem. Now the same situation applies to the 6 volt counterparts of these tubes. 6SA7 metal and 6SA7 GT tubes differ electronically just like the 12SA7 metal and the 12SA7 GT. Take a close look at the diagrams of these tubes in any tube manual and you will spot the difference of what is inside – it's not just the envelope, glass or metal that makes the major difference.

If you look closely (fig. 1) you will notice that the suppressor grid (the element closest to the plate) of the metal tube is connected only to pin #1, whereas pin #1 of the GT tube has no internal connection. In the GT tube the suppressor grid connects to the cathode internally at pin #6. Will this create problems if one substitutes a GT for a metal tube or visa vie? You bet it can, depending on how the set is wired, especially if pin #1 of the metal tube has been utilized as a convenient tie point to make connections with other components. This could be especially critical in some home brew projects or radios where the manufacturer specifies a metal or GT converter tube only.



(Fig. 1) The top diagram shows a metal 6 or 12SA7, the bottom diagram is of a 6 or 12SA7 GT tube. Note the difference!



(Fig. 2) Diagram of the 12SA7 "GT" converter tube circuit shown in the wireless transmitter diagram. Compare with above diagrams from "RCA Receiving Tube Manual," © 1961, Radio Corporation of America, P. 367.

Here is how I became acutely aware of the problem: The wireless transmitter kit sold by Antique Electronic Supply is similar to Zenith's wireless record player transmitter that was produced in the late 1930's. It is a great low power transmitter, providing the incoming audio signal is of sufficient strength. Over the last few years I have assembled several of these kits for customers who wanted to transmit music from their FM set or record player to their restored vintage AM radio. A recent customer ordered one of these low power transmitters so he could play music from his MP3 player through his restored Zenith console radio. I will not sell a customer one of these transmitters assembled on an open project board for obvious reasons. Assembling the transmitter kit inside a metal enclosure required some modifications in positioning components and wiring. That was when I discovered I had mislaid the 12SA7 GT tube that came with the kit. A 12SA7 metal tube was readily at hand so into the socket it went, and the transmitter barely squeaked out a signal. I located the 12SA7 GT amid the clutter on my bench and replaced the metal tube that I thought was probably weak. Bam, the transmitter came to life! However, output from the MP3 player had to be turned to the max in order to get a somewhat audible signal to a nearby radio. The battery life would be significantly reduced in this situation and I could imagine a very unhappy customer as a result. Later I tested the metal tube in my Knight 600 B tube tester, it tested 100%, and that was when I went for my old RCA tube manual for comparison. Now examine the copy of the tube diagram that accompanies the transmitter kit (see Fig. 2). You don't need a PhD in EE to figure out what is different in this oscillator circuit!

Regarding the low audio gain problem: Home from the University of Texas for winter break, my youngest son Konrad, an electrical engineering student; designed a great single tube preamp. That however, will be a future article as he found several common miniature sharp cutoff pentodes to do the job and the neat thing being the tube and few components, fit well into the compact project box. Oscillator circuits can really be fun.... Or, sometimes drive you nuts, metal or GT ???

HVRA Event Schedule:

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

Tuesday, March 12, 2013 Monthly Board of Directors Meeting 6:30 PM, Pizza will be served.

Saturday, March 23, 2013 Monthly Program, auction, class VI. Coffee, juice, and snacks.

Tuesday, April 9, 2013 Monthly Board of Directors Meeting 6:30 PM, Pizza will be served

Saturday, April 27, 2013 Monthly 9:30 AM, Program, auction, class VII. Coffee, juice, and snacks.

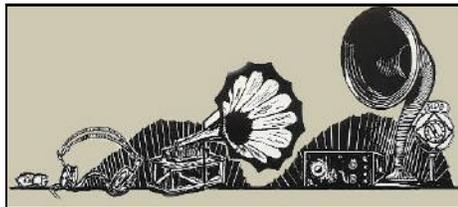
Tuesday, May 14, 2013 Monthly Board of Directors Meeting 6:30 PM, Pizza will be served.

Saturday, May 25, 2013 Annual Alvin Swap Meet at Michael Payne's, 307 W Dumble, Alvin Texas, 8:30 AM

No Regular Meeting at Bayland during May due to Memorial Day Holiday

Saturday, Nov 2, 2013 Swap 'n Shop—BBQ at Cecil and Fran's place, Grapeland TX, 9 AM

This guy ate too much BBQ at Cecil's house in Grapeland.



VRPS Spring Auction

March 16, 7am—5 pm
Senter Park East Building
224 Chamberlin St.
Irving TX
www.vrps.org

19th Annual
ANTIQUE SCIENCE &
RETRO-TECH
SHOW & SWAP MEET
DALLAS / Ft WORTH, TEXAS
March 9, 2013

At the DFW Airport Hotel - Irving, TX
4440 W. Airport Freeway (Hwy 183)

Share Your Club Photos

Wanted: Photos of club events for use in The Grid Leak. If you have a camera share your photos. Email them to David Moore: wd11@swbell.net

Buy, Sell, Trade, & Services Offered

Huge collection of Sams from Vol I on! Also included are seven or eight file cabinets filled with these collectable volumes from a closed out radio TV repair shop. Call or e mail Andy Lee at www.radiomanL@verizon.net

Radio & Phonograph Sales & Repair including vintage auto radios, battery sets, foreign sets, etc. We also sell and service vintage tele phones and telegraph equipment also parts, new & used tubes, transformers, schematics, books, phonograph parts & needles, records, etc. Vintage Sounds – celebrating our 24th 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

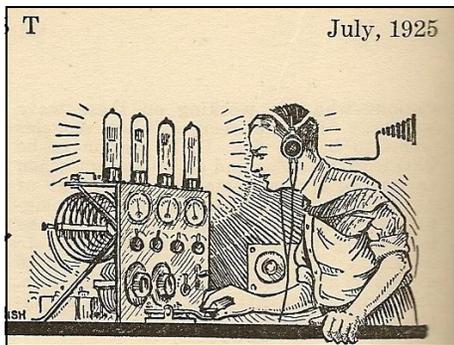
Sargent Auction Service: www.sargentauction.com | Jim@sargentauction.com Jim Sargent, WA5QBR, Auctioneer | TX license 16135 | 200 Thomas Rd, Granbury TX 76049

Paul Wishnow, Certified Appraisals – for insurance, estates, divorce. “The Antique Man” can be heard Sunday afternoons 1 – 3 PM KNTH Radio 1070. Office at 5615 Richmond Ave., Ste. 145 in Houston. Phone (713) 666-2222 or go to www.theantiqueman.com

EPO Electronic Parts Outlet, New and surplus electronic components, come by and check out this incredible store! 3753 Fondren Road, Houston, TX 77063. Go to www.epohouston.com

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

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.



The Grid Leak

March—April 2013

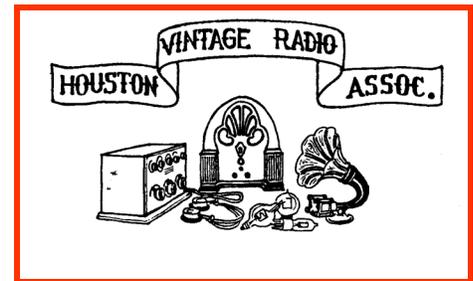
Monthly Meeting— March 23, 2013
Bayland Park 8:30 AM

Monthly Meeting— April 27, 2013
Bayland Park 8:30 AM

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 of this newsletter.
It should show your membership expiration date.



Alvin Swap Meet
May 25, 2013
8:30 am
Mike Payne's Place
307 W Dumble, Alvin TX