

The Grid Leak

March—April
2012

www.hvra.org
(Color GL on web site)



THE ORIGIN OF RADIO

GUGLIELMO MARCONI DIDN'T INVENT RADIO BUT HE WAS THE MOST INFLUENTIAL MAN IN BRINGING RADIO TO THE PRACTICAL USEFUL STATE.

HERE WE HAVE REPRODUCTIONS OF SOME OF HIS EARLY WORK.

Best of Show

Best of Show



*Reproduction of Marconi's first vacuum tube transmitter/receiver of 1914.
Crafted by Ron Soyland*

Inside —

- From the President
- Battleship Texas update
- Coming events—Meeting contests
- HVRA Convention 2012 wrap up
- Old Friend—Tom Burslem
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- Majestics—Maytags—John Given
- Burned out WD11's
- Club events

Two Great Events

**Spring MEGA
Auction
March 31, 2012**

**Alvin Swap Meet
May 19, 2012
8:30 am
Mike Payne's Place
Alvin TX**

From The President.....

I want to begin by expressing my sincere gratitude to all who devoted time and effort in bringing convention 2012 to a successful conclusion. It is your willingness to get involved, your devotion, and love for this organization that has propelled us into our thirty-fourth year and counting.

In spite of the few disparaging remarks, doubting our success during our early days, that were depressing to say the least, we can now look back with pride as we have been around for over a third of a century. However, this is no time for us to sit back and rest on our laurels.

There are hurdles just over the horizon. I know none of us want to think that we are really getting older, but reality slaps us in the face as one by one, our fellow senior members around us pass on. We must find ways to bring younger people on board, to - as they say; "pass the torch along".

To accomplish this, we must go to them, broaden our horizons, and incorporate things that will tweak their interest. All of us can be goodwill ambassadors to the younger generation. Get involved with your local school, church, temple, scouts, etc. and volunteer as a tutor to help students with science and math after school or on weekends. Middle school students would be a good start and science teachers for 6th, 7th, and 8th grade classes often welcome science related demonstrations.



Bill Werzner , HVRA President

Some examples could be: crystal radios, radio history, the vacuum tube and transistors, ham radio, early calculators, computers, the oscilloscope, etc.

Remember, money is a common denominator no matter how you look at it. This is a hobby that will also earn money. My youngest son discovered that at the age of thirteen, and with his knowledge of radio together with E Bay, started his own bank account. That alone should be an incentive for a young person to adopt a hobby that is not only fun, but profitable as well.

Let's make this New Year's resolution count by bringing new members, young and old, into the HVRA.

Can You Help the SEFH at the GRB?

In tune with my above paragraph, can some of you find time to help the SEFH next year?

I spent yesterday volunteering in the SEFH, as I have on that particular day, for the last fifteen years. That is one day per year, as a volunteer judge in the annual Science and Engineering Fair of Houston at the George R. Brown Convention Center.

We are in dire need of judges and what better way to support these young people who have worked so hard to finally make it to the Regional Science Fair. If you have a Bachelors Degree or higher in any science, engineering, or field of mathematics – we need you!

HVRA members voted to contribute \$1,000.00 for special awards in the fields of physics or engineering to one or two senior high school student winners. Next year's science fair will be March 1, 2013 in the GRB. If you would like to donate a day, or even a half day of your time, or perhaps you know of someone other than an HVRA member who would be interested in judging, please contact any HVRA officer sometime before the end of the year.

With the money we have voted to contribute, HVRA will be given vocal and written recognition as a proud sponsor of the annual SEFH before thousands of people during the awards ceremony March 2, 2013. Bill Werzner, President, HVRA

Battleship USS Texas Springtime Events

Attention history buffs! On Saturday, April 19, the annual recreation of the Battle of San Jacinto will be held in the park. This event pits **Texas Volunteers** against Santa Anna's troops on the grounds where they fought in 1836. Prior to the battle reenactment visitors can stroll around the campsites, visit the troops, and get a feel for what conditions were like one hundred seventy-six years ago. There will be cannon and musket firing, cavalry and infantry attacks, just like it happened when General Sam Houston's troops defeated the Mexican Army and Texas won independence from Mexico. If you plan to attend, arrive early and plan to spend the day. Last year's crowd was estimated at thirty thousand. Food vendors and concessions will be available around the San Jacinto Monument perimeter.

From Katy, TX HAM Radio Club President Joe Peet – N51DF

Saturday, May 19th, "Celebrating the Centennial Launching of the Battleship USS Texas" will be held on board 10 AM to 5 PM. BTARS (Battleship Texas Amateur Radio Station) will be saturating the airwaves that day from their radio room down on the second deck of this historic ship, transmitting from one or more of the ship's original antennas. If you are a HAM, a HAM wannabe, or just plain curious, you'll certainly enjoy visiting and seeing the original WW II era radio rooms that are being restocked in preparation for restoration.

Museum Ships Weekend will be held in early June commemorating the 68th anniversary of D Day. Pending approval from Texas Parks and Wildlife, plans call for BTARS activities to begin on Friday evening and operate through Saturday afternoon. Watch our web site and the May – June edition of "The Grid Leak" for details as more information becomes available.

Alvin Swapmeet & Flea Market
May 19, 2012 – 8:30 am



Hosted by Michael & Carol Payne
307 W. Dumble, Alvin TX

Radios — Ham equipment — Tubes
Knobs — parts — Test equipment
Books and paper
.... And much more

March 31 Annual Spring **MEGA Auction**

Bayland Park Community Center,
6400 Bissonnet, Houston, TX

Coffee & snacks available
Doors open at 8:00 am
Auction: 9 am

Note: This is the 5th Saturday

Mark your calendar! There will be lots of nice items to sell coming up in a few short weeks. We normally meet on the fourth Saturday of each month, but due to competition for the large auditorium that day, we moved the auction date forward to the 31st.

We will have numerous radios, parts, literature, military electronics, and some items from the Bob Wood Estate along with yours to sell. The doors open at 8:00 AM, the auction will start at 9:00 AM and end no later than 2:00 PM. Coffee, juice, and snacks will be available.

Auction forms are also available for down loading on our web site. All buyers must be HVRA members. Membership forms will be available at the registration table. Watch our web site at www.hvra.org for auction manifest listings. To list items for sale in the manifest, mail or e-mail to Bill Werzner www.werz1943@gmail.com no later than Sunday midnight, March 25.

2012 Future Radio contests

June —Retro Electronic project Contest
August—Crazy Container Contest
October—Golden Ears Amplifier Contest

June—Retro Electronic Project Contest - rules
Project should be constructed from magazine article or book at least 50 years old. Project does not need to be constructed exactly like article describes. Provide copies of circuit diagram and description of project.

August—Crazy Container Contest - rules
The radio should be built in the wildest enclosure possible. Examples: Ham in a can; vacuum cleaner housing; microwave oven cooking chamber; etc.

October—Golden Ears Amplifier Contest - rules
Amplifier may be factory built, kit, homebrew; tube or solid state. Previous winners may enter this contest. Each amp will need a high level phono jack input. Each amp will be played for 30 seconds using CD of organ music, and 30 seconds of drums and vocals—all at the same level.

Common Rules — Applies to all contests
Previous winning collections/ entries are not eligible. (ex Oct.)
Meeting attendees will vote on winning collection.
Winner receives a yearly membership to HVRA.

April 28 Meeting — **Collections Contest**

A collection of anything – that means anything HVRA members and non-members eligible
Collection must be described by entrant.
If handouts are prepared, provide <20 copies

Previous winning collections are not eligible.
Meeting attendees will vote on winning collection.
Winner receives a yearly membership to HVRA.

LISTENING TO RADIOS WITH BURNED OUT WD-11 AND 199 TUBES

By Philo Von Lectron
April 1st, 2012

Don't throw away those dud WD-11 and 199 tubes! You can still use these tubes by increasing the B+ voltage sufficiently to cause them to go into "cold cathode emission" operation. Cold cathode emission is nothing new. Cold cathode tubes, designed to operate with NO filaments, were used extensively in the late 1940s and in the 1950s as rectifiers in car radios. An example of a cold cathode rectifier is the 0Z4 rectifier. The 0Z4 has no filament element and it is designed to emit electrons without heating the cathode.

You can put this principle to use with your burned-out WD-11 and 199 tubes because of their "thoriated" filaments. The natural radioactivity of the thorium allows for efficient "cold cathode" emission if the B+ voltage is high enough. The 0Z4s in car radios would emit effectively at 250 to 400 volts D.C. However, the WD-11 and 199 tubes require a slightly higher voltage to cause the thorium to emit electrons.

You will have to experiment with your particular radio to determine how much voltage to use. The author has not actually performed these tests, so any information provided by the reader's experiments would be a great help to our fellow collectors. A good test rig for the WD-11 is the RCA Radiola III. A Radiola 20 could be used to experiment with 199 type tubes. Other radios that use these tubes could also be tested to determine the ideal voltage. Be sure to record your results for others.

Concentrated scientific extrapolation indicates that the WD-11 tube should start to operate at approximately 50K volts and should become efficient at 100K volts. The 199 type tube should start at about 75K volts and become efficient at 200K volts D.C. A good source for this kind of power is a Van de-

Graaf generator. The Johnson-Smith Company sells a 200K volt Van deGraaf generator, part number JF-6105, for \$119.00 plus shipping. Their address is: P.O. Box 25600, Bradenton, FL, 34206. Also, a simple voltage divider made from a 500 megohm potentiometer will allow you to adjust the voltage.

A WORD OF CAUTION:

Wearing earphones while operating a radio from a Van de-Graaf generator can be distracting. This is because the high voltage may cause flashes of light to occur between the headphones. This light could become visible from behind the retinas of your eyes.

WARNING:

People with pacemakers, weak hearts or generally afraid of being shocked, should not perform this experiment. The result could be heart failure and/or death, or just being soundly shocked.

AND ANOTHER WARNING:

These voltages may cause the interstage transformers to be "stressed" and burn out, but probably not.

Please don't forget to share your results with the author and other collectors. We are all very anxious to hear how your experiment turns out!

Send your experimental results to:
Editor, HVRA GRID LEAK
PO Box 31276
Houston TX 77231-1276



Dave Herlinger demonstrated the affects of high voltage using a Van de Graft generator and Wimshurst static machine. Dave uses these laboratory machines in his high school student lectures. It became clear and obvious to us that Dave enjoys doing this kind of presentation.

Convention 2012 – A Convention to Remember!



Bob Botto discuss the features of a deForest RJ4 with banquet speaker, Harold Gunn.



Banquet speaker, Harold Gunn, was presented a Philco 60 by David Moore (R) with HVRA President Bill Werzner (L)

With 92 registrants, and 66 dinner reservations a good time was had by all.

If you were looking for bargains, there were plenty to be had during the three auctions. The feature attraction was the Richard Collins console radio and phonograph auction that garnered attention from far and near.

Not to be outdone, the annual contest next door was one for the books with so many wonderful exhibits that wowed all who saw them.

With two trucks and one trailer load of items from four estates, HVRA's resident auctioneer Bill Werzner along with help from VRPS President and professional auctioneer Jim Sargent managed to clear the large auctions with some time to spare. Many thanks go to a dedicated team of handlers who "kept em' moving amid the often fierce bidding.

A special thanks to HVRA officer Dave Moore for organizing a wonderful contest and to V.P Jim Calbeck, Chairman for Convention 2012 – Kudos to you all!

Friday auction — Lots 343, grossed \$4,376
Saturday auction — Lots 249, grossed \$14,071.



Beautiful Wurlitzer Radio-phonograph sold at auction for \$925.



*1956 Rockola
Jukebox model
1446, 90%
restored, sold for
\$820.*



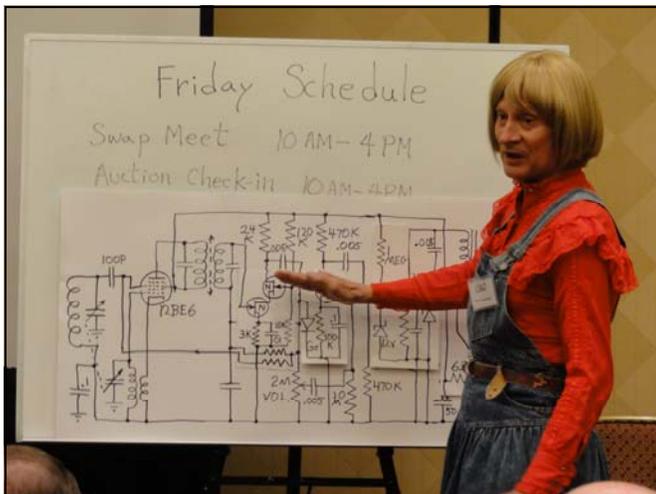
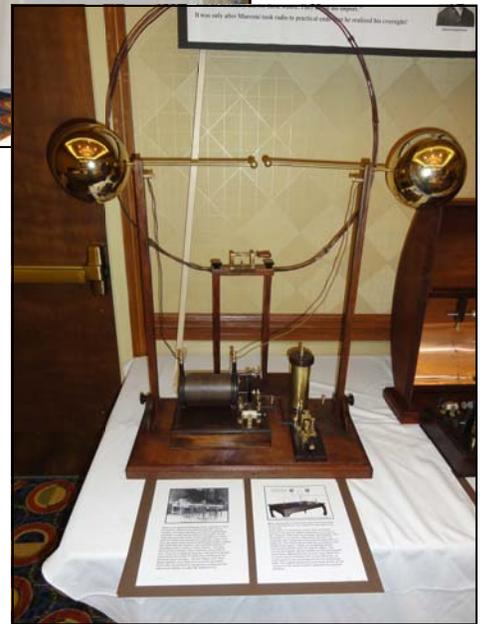
Several nice consoles were offered from the Collins estate.

Best of Show — The Origin of Radio Display

By Ron Soyland



Ron Soyland constructed this huge display illustrating the milestones in radio history. Each individual working component was handcrafted by Ron. Documentation detailed each facet of the radio development beginning with James Maxwell.



Roy Soyland presented a Tech Talk describing his solid state conversion of an Majestic BU 229 receiver. Complete with large circuit diagram, he overlaid each tube with their respective solid state conversion while giving an explanation. Majestic came with a tuning eye tube — yep he converted that one too.

2012 Old Equipment Contest

People's Choice



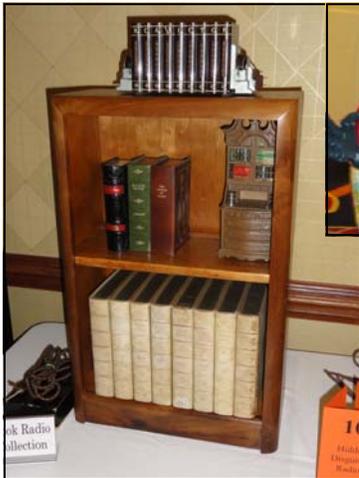
Bernard Sampson's Crystal Radio Display.

With twenty two participants and fifty four displays yielded one our best contest of vintage radios and related items in 2012. Fantastic displays by Ron Soyland (Origin of Radio) and Bernard Sampson (>200 crystal radios) anchored the contest display area.

Best Restoration



Lance Borden's Radicon Wireless Bus with spark transmitter and coherer receiver.



Mary Ann Caruth was presented the New Contestant Award for her displays of the bookcase radios, radio stock certificate display, electronic jewelry display, etc.



1927 Hyatt Portable, model A, Gilbert Hedge



Lance Borden best restorer



1919 Marconi key—Bob Botto



1948 Pilot TV w/magnifier, Bernard Sampson



1935 Uncle Sam projector w/record player & spkr, Bernard Sampson



Beautiful Air Chrome flamingo/palm tree tapestry Spkr, Laural Flagel

Photos by Steve Casciola & David Moore

GOTTA GET RID OF AN OLD FRIEND

By Tom Burslem

Got an old receiver I need to condemn and get rid of. A plain looking Allied Model 335. One channel is distorted. AM doesn't work. I've already cut the power cord and removed the knobs. I know it just needs a power transistor; probably a "rare" one now since my guess this thing was made around 1971. It's gotta cool escutcheon with an orange glowing back light. Probably 10 watts per channel. So what's the the big deal? Just another boring vanilla looking receiver from the 70's like thousands mass produced back then.

But that name still stops me in my tracks. — Allied.

Those catalogs were read more by me than a bible back then. I remembered parts numbers. I remembered page numbers. Wasn't trying to memorize em; just review em. Those catalogs contained everything a man could possibly want. At least that's what I thought back in 1971.

It's that cocky feeling I guess I miss the most. Back then I was a football star. My body was invincible. My knees could never be broken. I had a varsity letter starting from 10th grade. Everyone knew my name. I had a "serious" girlfriend. A 1963 Dodge Custom 880 with a back seat the size of Chicago. I spoke at the luncheons at the Rotary Club. The church Pastor knew me by first name. I was a legend in my own mind. In a Missouri town about the size of Porter, Texas I was a king.

One of my greatest distortions was the thinking that truly a man merely needed access and money and pretty much everything else important could come from an Allied Electronics Catalog. Remember they had everything from work benches to screws to Books. I'm pretty sure this receiver came from that 71 catalog. Close enough anyway.

Then in the spring of 1971 they opened up a store called Allied Electronics. I could go and touch everything in the store. There were the Wharvedales, the McIntoshes, the Fishers. The mono 12 watt amp kits for under 30 bucks. Most tubes were around \$1.50 apiece. A true retail fantasy.

Life just couldn't get any better. That's the feeling I remember when I look at this thing.

Perhaps now I'm a hoarder of sorts. My children call me a radio junkie. Semantics. Rationalizations. Just a matter of degree. "A discerning collector" I like to fathom myself as each electronic piece represents a slice of my past.

Though I reflect on my naivete as an 18 year old I'm reminded of my college days and the Psychologist William James I studied who said that the personality matrix was complete in all adults by the age of 19. And here I am today completing some weird circular compulsion by discarding some material desire I once had at that age. Perhaps I am finally an adult. No, it's too late. I'm the same guy in an old body who has a credit card this time.

So off to the dump this receiver goes. I justify that even though I could repair it-it would just go back on the bottom of some shelf and just collect dust....and even upon my demise and when all my "stuff" be sold at a future HVRA auction this 25 pound receiver might just bring \$1.00 for all my trouble? And that is fully restored. That's 90 cents going to the Tom Burslem Estate....I digress...

The problem is the process of it's demise. I tell myself I could fix it and that I should and then I'd feel better and probably want to display it. But I don't run a museum! It belongs in one. How many members own one? Well I do. Or, did now...

I was gonna set it out with the regular trash. There is a guy and his wife that checks the neighborhood trash and they've picked up my stuff before. They sort threw garbage pails at 5:30 in the morning. I've seen them when I was leaving for work. No doubt selling metal for scrap processing? Maybe he rebuilds stuff?

But it started raining on pick up day. I hate watching all that electronics get saturated by water. There is something Un-sanctimonius about it. I carried it back inside. Next week the weather should be better and I'll set it atop my trash can..They'll see it better. I hope they won't just throw it into the back of their truck. That pretty escutcheon will shatter... shame I just can't make a montage of long gone radio escutcheons.

Perhaps my reading of “Zen and the Art of Motorcycle Maintenance” by Robert Pirsig was misguided. No. It wasn't. If technology becomes just stuff with no soul and no appreciation for it's intrinsic qualities; then we cease appreciating what it is to be human. The tools we use are us.

There. That's my philosophy lesson for the month. After all these years maybe I was paying attention to what I learned as a Psychology major. Naw. Maybe not. I need to find a soft towel for this Allied Receiver as I set it atop next weeks' garbage pail. I hope for better weather...

I hope it has a safe landing. I always fantasized to be a Psychology Professor. Too much rat research and not enough money. But now, perhaps it's not too late. I'll throw away all those live rat experiments and look at my fellow collectors as my students...

Now, who is my next patient?

Next months lesson-juxtapose our relationship with our Mothers and our desire to collect rare radios. Cross reference our Fathers influence in our lives with why tubes sound better than transistors. Do tubes really keep the room warmer? Why can't we just get a blanket? When were we fully potty trained and was there a radio next to our crib? Discuss why we all have more than 20 radios in one room alone where we live...Our final exam question will be “Even though we were (or were not) breast fed we now understand our need to collect Radios Because.....”

Should prove for fascinating reading... and I get to grade all the papers. No extra credit for your rebuilt test equipment and no one can get any credit showing favorites to the Lafayette or the Olsen Catalogs. I once owned a Model 335 and it could blow away anything else.. Allied was the best.

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I was attending an auction in Dallas around 1994 and sat down in the restaurant around 7:00 that morning where the meeting was to take place. I was dressed in my usual grubby jeans and t shirt and hadn't shaved that morning (you guys are always so fashion conscious). I smiled at the waitress upon receiving my check after paying with a Gold Card American Express Card. She paused for a moment and reflected after some small talk of me being from out of town and in for a “special meeting”, she asked “Who are you people?” “You all have the same demeanor”.

I reflected for a moment; her being about 20 years old and so worldly and all; and then replied: “We are all Ex CIA Operatives here on a special mission. Please don't tell anyone else we are all here for a special meeting.”

“I won't. That makes perfect sense. You all have that special air about you”. She was very serious.

No telling what she went home and told her mother...



Mike Slovan—reforming capacitors

February HVRA Meeting

Reforming Electrolytic Capacitors

Mike Slovan demonstrated how to reform electrolytic capacitors and how to determine those that could be reformed from ones that could not. Mike demonstrated a sophisticated power supply that he had modified that would monitor both current and voltage during the charging cycle. By observing the current and voltage patterns of a capacitor under test, he could determine within a short period of time whether or not the capacitor could be reactivated. He demonstrated this by testing a collection of vintage electrolytic capacitors that were in good, bad, or questionable condition. Mike also explained how he further modified his unit with a bleeder resistor to quickly remove the charge from capacitors at the completion of a test.

Of Majestics and Maytags

By John Given

Things were settling down for Christmas, lights up, house cleaned up. Ready for the deluge of 14 Grandchildren, kids and friends. Deluge is a kind term..tsunami is more accurate..think Fukushima.

I was pondering the workings of my R-390a. Astounding radio: 26 tubes, triple conversion on some bands, more gears than my antediluvian Mercedes. It gave readable output on signals that were only heterodynes on other, fancier radios..

"Any idea what's going on with the dryer ?" friend wife asked .. I had to plead cluelessness. Armed with flashlight and screwdriver, I probed and pondered.. I quickly came to two conclusions; dryers accumulate incredible amounts of lint and this specimen would not heat...two solenoid valves and a hot-surface ignitor.

Reinforcing self with a voltstick and red-headed helpmate to push the start button I forged ahead. Voltage getting to solenoids, igniter glowing like an 807, but no gas, no fire, no warm clothes. Warm equals clean..trust me on this. Wiggling connectors on solenoids whilst sprawled on laundry room floor produced fire...ahh success ! Well...no... success lasted about five minutes...one coil was intermittent..apparently a broken connection at one of the connector pins...wiggling brought results..for about 5 minutes. I started checking around: Johnstone Supply (my favorite place) no longer carried appliance parts, another parts house had 'em for \$ 45.28. I reached for the car keys. From the depths of my DNA an angry Scot bellowed "Laddie what in Gawd's name are ya doin' !?"

I dropped the keys, headed for EBAY...\$ 8.11 delivered..."Aye laddie" chorused the ancestors. They'd be here Christmas eve. 15 minute job.. "I've got the part ordered, can we do without the dryer for a coupla days ?" I asked. I felt a definite disturbance in the force as her green eyes flashed. Red hair and green eyes are one of nature's warning signs...heed well.

I was on the incentive plan. I tried blocking the connector in a position where it worked, for about 5 min-utes.. Maybe I could

fix the break. Exploring the exterior of the coil with a voltstick and applying 110 volt 'hot ' to alternate pins told me which was open-circuited. Maybe I could cut or chip away the molded case and find the break.. Pondering, I concluded that this would most likely convert an intermittent open circuit to a permanent open circuit. 8-balled again. Then it hit me. Ever fix an open audio transformer by zapping it with a high voltage?

I pondered...since this was 120v AC I wanted to avoid shorting turns, I was afraid that using a charged capacitor would over-do it.. what to do ? I cast my eyes about the shop...I eyeballed the bench top..ball peen hammer, bottle of Kentucky Bloodbath bourbon, bottle of Cajun Fore-play hot sauce, cigars, nuts, bolts..old majestic power transformer..

The general idea behind zapping is to create an arc that will weld the parted ends together, hopefully without frying anything else. Over the bench is a test board, it has a variac, an isolation transformer, volt and amp meters and a lamp socket in series with the output plug that can be bridged with a switch. I hooked the primary up to the test board with a 100 watt lamp to limit current. I jumpered one lead of the secondary (600v ct) to one leg of the solenoid coil. I positioned the C.T. lead in the general vicinity of the other leg. The lowest voltage that will sustain a spark is approx 350 volts...I set the variac to approx 120v and bridged the gap between the other lead and the coil with a well insulated screwdriver...zzzzzzZAP.

I withdrew the screwdriver...less dangerous than angering a redhead. I disconnected everything. I'm glad I'd limited the power to about 100 watts...the coil was HOT... McDonald's coffee hot. Would it work? Would it work but self-destruct due to a shorted turn ? It worked. One load of clothes, the second load of clothes. I get to live another day. My apartment-dwelling son arrived with grandkids and 9 loads of clothes. It survived until parts arrived. I felt like MacGyver as The Redhead and I settled down for that long winters nap.

HVRA Officers

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Webmaster: Steve Casciola, 18507 Park Harbor Dr., Houston TX 77084; 281-578-2609; casiola@prodigy.net
Grid Leak Editor — vacant

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.

HVRA Event Schedule:

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

Tuesday, March 13, 2012 Monthly Board of Directors Meeting, 6:30 PM

Saturday, March 31, 2012 Spring Mega Auction Bayland Park 8 AM

Tuesday, April 10, 2012 Monthly Board of Directors Meeting 6:30

Saturday, April 28, 2012 Monthly meeting, 9:30 AM, Collections Contest.

Tuesday, May 8, 2012 Monthly Board of Directors Meeting 6:30

Saturday, May 19, 2012 Alvin, TX Annual Swap Meet – Watch Grid Leak for details.

NO REGULAR MAY MEETING AT BAYLAND - MEMORIAL DAY WEEKEND.

Tuesday, June 12, 2012 Monthly Board of Directors Meeting 6:30 PM

Saturday, June 23, 2012 Monthly meeting at Bayland Park, 9:30 AM, Retro Electronic Project Contest

Related Events

Antique Science & Retro-Tech Show, March 10, 2012; Dallas/Fort Worth, DFW Airport Hotel, Irving, TX; 10-4 PM, adm \$5. Skip Solberg, 817-467-0368, solberg2@airmail.net.

Vintage Radio and Phonograph Society (VRPS)

Spring auction, March 17, 2012, Senter East Building, Irving TX, doors open at 6 AM, Mike Grimes, 972-898-7271, k5mlg@verizon.net

Silent Key — Theran Leonard Ebner

Long time and former member of HVRA passed away Tuesday, January 30, 2012 at the age of 86.

A New Kid On The Block?

On page 40 of the February issue “Antique Radio Classified” a new radio club was noticed for the first time! “The Texas Panhandle Vintage Radio Society” (TPVRS). For contact: Elroy A. Heras, 4086 Business Park Dr., Amarillo, TX 79110 was listed. Meetings are quarterly and dues \$5.00. Welcome aboard, we would love to hear from you as you join ranks with HVRA, TARC, and VRPS, in promoting vintage radio in the great State of Texas.



The Grid Leak

March—April 2012

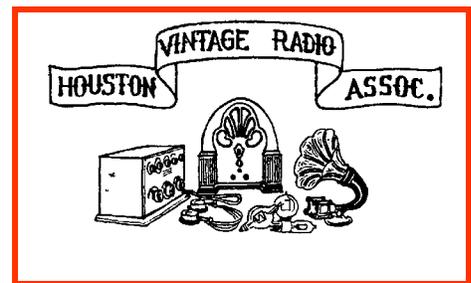
MEGA Auction— March 31, 9 am
Bayland Park, Doors open at 8 AM;

Month Meeting—April 28
Bayland Park 9:30 AM

www.hvra.org

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.



**Spring MEGA
Auction
March 31, 2012**