



BRAZOS VALLEY AMATEUR RADIO CLUB



AMATEUR RADIO FOR SOUTHWEST HOUSTON AND FORT BEND COUNTY

OCTOBER 2016

VOLUME 40 ISSUE 10

BVARC GENERAL MEMBERSHIP MEETING, Thursday, October 13

—Make ‘em Tall! Make ‘em High?—

Our speaker for the October meeting is our own Patrick Cameron, KJ5Y. Pat’s topic will be on HF antennas. Details of this presentation have been kept a closely guarded secret, so show up for the meeting on October 13. Meeting is at the Sugar Land Masonic Lodge and starts at 7:30pm. Plenty of free parking.



So you wanted to know...

The history lesson about sound cards illustrated how we got computers to speak and listen, making all the digital sound card modes possible. Plenty of “sound bites” (or should that be “sound bytes”?) to tune your ears to the noise of various “digital sound card” modes. Isn’t technology wonderful? Take away: set up for one mode and you’re set for them all.

Have you tried any of the digital modes yet?



BVARC BOD & Greater Houston Hamfest Meeting Schedules July to December 2016

Meetings will be held at Bayland Community Center except for the September meetings due to the Labor Day Weekend. The BOD meeting will be a conference call that will be held on September 1st. The call-in information will be posted on the BVARC web site the week of the meeting.

The Greater Houston Hamfest organizational meetings will be held immediately after the BOD meeting except in September. The Hamfest meeting will be held on September 3rd. The location will be published the week of the meeting on the BVARC web site.

October 8 th	Bayland Community Center	9:00 am to 10:30 am 10:30 am to 12 noon	BOD Meeting Greater Houston Hamfest
November 5 th	Bayland Community Center	9:00 am to 10:30 am 10:30 am to 12 noon	BOD Meeting Greater Houston Hamfest
December 3 rd	Bayland Community Center	9:00 am to 10:30 am 10:30 am to 12 noon	BOD Meeting Greater Houston Hamfest



The Prez Says

Even with the year quickly coming to a close, BVARC continues to be busy. Between club events and contests, club members will be busy through the end of the year.

October's general meeting will have Pat Cameron, KJ5Y presenting information on HF antennas. I know Pat will wow us with HF antennas made out of cardboard and dental floss (just joking) so make sure you come to the general meeting.

It's time to start working on putting your best chili recipe together so you can amaze everyone with your cooking ability for the BVARC annual Chili Supper at the November meeting. Please let Michael Monsour know if you would like to help with the Chili supper. I know Michael will appreciate your call and help.

Don't forget the club elections also at the November meeting. Rick Hiller, W5RH will be coordinator the board's slate of candidates. The positions that will be open are: Vice President, Treasurer. 1 year at large Director and 2 year at large Director. If you would like to be involved with club management, contact Rick let him know that you are interested in serving on the board. Remember without your help serving the club, the club will die. We need your help to keep BVARC running and growing.

The BVARC banquet has been scheduled for Friday, January 13th at Maggiano Little Italy on South Post Oak. Ron Litt, K5HM has confirmed the location and time so it should be great time. Also don't forget the awards we present for outstanding service for the club. The awards: The Loop and Zepp; Dr. Bill and the Order of the Key are presented to club members that show outstanding service in HF operation, being a volunteer examiner and general service to the club. If you have an idea for someone for one of the awards, contact anyone on the board and let them know. If you would like to know, more please check the BVARC web site for the qualifications and award history.

The The Greater Houston Hamfest has been named the ARRL State Convention for Texas again. The hamfest will be held at the Fort Bend County Fairgrounds in Rosenberg on March 23rd and 24th, 2017. If you would like to help with the organization of the hamfest, contact Ron Litt or Rick Hiller or myself and let us know.

If you would like to operate a new event, try the **ARRL School Club Roundup** held on October 17th to 21st. It is an all mode event and many of the school clubs in the US will be involved. For more information go to <http://www.arrl.org/school-club-roundup>

And if you happen to be in **Pooler, Georgia** on Saturday, October 15, drop by **The Coastal Amateur Radio Society's 2016 Tailgate and Swapmeet**. They will be holding the event at the Savannah Airport Facility. Check out their web site for more information at <http://coastalamateurradiosociety.net>

73,
Mike, N5VCX



Editor's Note: The following article is the opinion of the author.

The Problem with the Amateur Radio Parity Act: Twelve Concepts

As I see it, the Amateur Radio Parity Act (H.R. 1301) is a ruse. It appears to open a path for allowing antennas where they are now forbidden. In exchange, all radio amateurs must navigate a new HOA permitting process. That process will be totally controlled by the adversary in any antenna disagreement.

Concept #1: This cannot end well.

MY CREDENTIALS:

I am a retired computer and electronics engineer, not a lawyer. I have been on an HOA board, even president. I have seen how these things work. My opinion is based on years of dealing with people, how words have many meanings, how people distort rules to their advantage, how people will ignore the law.

THE SITUATION:

H.R.1301 is an attempt to create our own advantage in a civil contract post fact. We signed the contract and now don't like it.

Concept #2: It's not about HOAs and parity. It's about politics and getting what you want.

Consider the following. If you have a legal issue with an HOA and it goes to court, as it easily can, it will cost you; probably many thousands of dollars if you prevail, certainly more if you don't. The HOA sees this as a cost of doing business, proof that it is defending property values and neighborhood esthetics. Who has the deeper pockets? Who already has a lawyer?

Concept #3: Don't go to court. Sell the house and move or abandon amateur radio.

Look at the official resolution at <http://docs.house.gov/meetings/IF/IF00/20160712/105227/BILLS-114-HR1301-W000791-Amdt-1.pdf>.

The night is dark and full of terrors.

Page 4 Line #17 "... notify and obtain prior approval ..."

This will impact those who already have or intend to erect **any** outdoor antenna, stealth or otherwise. Federal Law will require every ham to go through an HOA "permitting process". Could you go to prison if you don't, lose your license, be fined, have a useless station? Answers: no, unlikely, unlikely, and yes.

Concept #3: Your life has just gotten more challenging.

Page 4 Line #6 "... an effective outdoor antenna ..."

Page 5 Line #3 "... establish reasonable written rules ..."

The HOA permitting process will have the following characteristics.

1) Unlike the 120 days given the FCC to modify CFR 47 Part 97, there is no time limit placed upon an HOA. The longer it takes them to enact new rules, the better for them.

Concept #4: Your burden will begin in 120 days from law enactment. You won't be able to successfully comply for the indefinite future.

2) To modify a Coven of Deed Restriction often requires a sizable percentage of property owners to give approval. It is often difficult for HOAs to mount quorums for elections. For this reason, any change in antenna restrictions will be part of a larger overhaul. Antennas will get little attention; more important issues will be on the table and carry the overhaul.

Concept #5: Specific antenna rules won't be effectively negotiated at the HOA level.

3) The only possible good outcome will be where an HOA forbids all outdoor antennas. An HOA will be required to allow something if only on paper.

Concept #7: Some ham somewhere will benefit somehow, eventually, maybe.

4) If an HOA already has some allowance for antennas, they obviously already see that as reasonable. Where is the advantage to an HOA to make a less restrictive contract?

Concept #8: Life will not be better for your antenna in the future.

5) The HOA permitting process will not be designed by anyone who is a friend of amateur radio. That process will be designed, codified, implemented, and administered by those who are on the opposite side of any antenna disagreement from the radio amateur. Their outlook is already on record.

There is no provision that the process be timely. An antenna impact analysis would likely take many months, would possibly require a professional engineering study, will definitely require agreement from surrounding property owners, would possibly require agreement from electrical, telephone, and cable operators; especially telephone and cable operators. It will go to a closed committee. The committee will make a judgment based only on the HOA objectives of preserving property values, neighborhood esthetics, and above all minimizing complaints from other HOA members. An antenna application could miss a filing deadline and wait for the next permit cycle. That cycle could be once a quarter or yearly. Correcting an application defect can fall into the same cycle hole.

Never will consideration of technical effectiveness take place. What exactly is the definition of "effective outdoor antenna"? I cannot imagine that your idea of effective will match that of an HOA.

Concept #9: If the HOA wishes, you will surrender. The process will be designed to grind you to dust.

If you don't like H.R.1301 but think of it as a foot in the door that can be improved upon later, then I ask you, "When did that ever happen?" We will get only one bite of the apple.

Concept #10: This is the big "IT".

The day is late and winter is coming.

WHAT YOU CAN DO NOW:

1) Contact your senator as requested by the ARRL. Do not just grouse about it to other hams.

A 9/13/2016 email from the ARRL requested amateurs to contact their Senators. They provide a nice web application where you enter your zip code and it then identifies your Senators. It has a text box filled with the preferred language. **YOU CAN CHANGE THAT LANGUAGE TO ANYTHING YOU WISH!** If you think H.R.1301 is good for you, then there you go. If you think H.R. 1301 is hot, toxic, putrid equine defecation; then this is your last chance to say so.

That ARRL link is <https://arrl.rallycongress.net/ctas/urge-senate-to-support-amateur-radio-parity-act>.

2) The United States Senate has a useful web site at <http://www.senate.gov/general/contacting.htm>. You can correspond with your Senator if you know his name, or your own zip code, see the ARRL link above.

Legend has it that all **HAND WRITTEN LETTERS** are actually read by a human, emails are ignored. If you have strong feelings on this matter, then this is your best, most effectively way to deliver that message.

Concept #11: Tell your Senator what to do, he doesn't have a clue, he just likes the perks of office.

3) Make yourself valuable to your HOA before they change antenna permitting. We all recite the mantra that we do emergency communications. Do we? Approach your HOA with a proposal for a neighborhood emergency messaging center. This would require that you actually do something and accept an obligation during a time of crisis. You would also need to become proficient at Winlink express, establish an account, acquire the necessary hardware, and use it regularly. The idea here is to send Health and Welfare Winlink emails to the relatives of your neighbors. The best approach is to first join your local ARES or RACES group and learn about local assets and protocols.

Concept #12: HOAs, like everyone else, need volunteers. You can be useful to them and them to you. It does not need to be an adversarial relationship.

Given the state of H.R.1301, I weep for Amateur Radio.

Pete Sauermilch, KD5QPX; 73

Camp Hope Annual BBQ and Special Event Station

Hey BVARC. You are invited to come on out the second annual K0D station at Camp Hope, PTSD treatment center in Houston. Headquartered in Houston, and with chapters across the country, the PTSDUSA organization is serving the PTSD treatment needs of our warriors.

What can ham operators do to help our warriors with ptsd?

There are two ways ham operators can help.

First, help us spread the word through our special event, K0D. If you can come to the event, do! There will be lots of free bbq to enjoy. Hang out with us, the K0D team, UT Ham Radio Club and the TAMU Ham Radio Club. Yes, even farmers and cowmen can be friends when it comes to fighting PTSD!

We will be on 40 meters from 8:00AM till 4:00PM on October 15th. If you cannot reach us there, try us on TranStar VHF repeater 145.370 (-) 123.0 on October 15 Thanks to Transtar Hams for the use of their repeaters.

Second, we will soon be forming a permanent Camp Hope Amateur Radio Club to meet at Camp Hope. The purpose of the club will be to encourage and support our recovering warriors back into a new normal. The Camp Hope Amateur Radio Club will equip our recovering warriors with licensing, education, community service opportunities and great fellowship. More information on this will be coming soon.

Are you Aggie or a Longhorn? Then help the ham club representing your school to win the first K0D UT vs TAMU contact shootout. The team with the most contacts will win prizes from Radiowavz, MFJ and HRO. You can reach you club on HF or by repeater. The contestants will swap bands between 20 and 40 meters each hour and can also be reached by local repeater at:

Texas A&M ARC W5AC 147.06 pl 123

UT ARC N5XU 146.88 pl 146.2

Thank you's to Wayne Wright for use of these repeaters.

The K0D Special Event Station can be reached on repeater at:

145.370 pl 123.0

Thanks to Harris County ARES for the use of this repeater.

We are partnering with W5LEX again to call CQ from the USS Lexington. Last year, the Lexington had so much funn that they said they could almost smell the bbq on 40 meters. Lot's of fun will be had by all. I hope to see you there.

What kind of volunteers are needed?

Setup , teardown, SSB operators and greeters who can chat with attendees about ham radio. There is a job to do that fits every personality.

These warriors fought for us. Will you meet me there and fight for them?

Please see the PTSDUSA website at www.pdtusa.org for directions and other information. If you would to volunteer to help, please send an email to camphopearc@gmail.com



Minutes of the September 8th, 2016 Board of Directors meeting of the Brazos Valley Amateur Radio Club

Mike Hardwick called the monthly Board of Directors meeting for the Brazos Valley Amateur Radio Club to at 6:30 PM on February 5th, 2015, at Masonic Lodge, 421 Eldridge Road, Sugar Land, Texas 77478. Attending were: Mike Hardwick N5VCX (President.), Jon Noxon KF5TFJ (Vice President), Donovan Balli KD5BDZ (Treas.), Michael Monsour ACØTX (Rec.Sec./Quart.), Steve Friedman KF5YYZ (Cor. Sec.), Scott Medbury KD5FBA (2yr At-Large Dir), Jerry Muller K9GEM (1yr At-Large Dir.), Jo L Keener KE7NSB (2yr At-Large Dir), Pete Sauermilch KD5QPX, Ron Litt K5HM (Radio Sport), Roy Storey W5TKZ.

Reports:

- 1.1 A motion was made and passed to accept the August Minutes
- 1.2 Ice Cream Social cost was around \$355. A motion was made and passed to accept the Treasurer's Report

Old Business:

- 2.1 There will be a Hamfest organization meeting September 17 10:00 to noon at Bayland Park and another Hamfest meeting October 8th. The Hamfest has been approved as a state convention.
- 2.2 Letter of appreciation needed for Pecan Grove VFD and for the donor for man lifts, tee shirts, etc.
- 2.3 General Meeting-September digital communications-Jon Noxon style.
- 2.4 General Meeting- October HF antennas.
- 2.5 General Meeting- November elections and chili. The following positions are being elected: Treasurer, 2yr At-Large and 1yr At-Large.
- 2.6 General meeting-December Home Brew Night
- 2.7 January will be the Banquet at the same place; will be either January 13th or 20th.
- 2.8 Masonic Lodge contract. The fee is \$125 times 11 months. A second key will be requested per contract.
- 2.9 The equipment insurance has been renewed, this does not cover mysterious disappearance.
- 2.10 Winter Field Day is a no go at Constellation Field. BVARC might be able to participate during a special event during Super Bowl.
- 2.11 A motion was made to have a special fund for a new antenna, this is tabled for now.

New Business:

- 3.1 A motion was made to open the Board meeting and/or General Meeting with the Pledge of Allegiance. A straw conditional vote will be held at the General meeting this is being tabled for now. This will be voted on during the BVARC elections.

Meeting adjourned at 7:06 PM

Submitted by Recording Secretary, Michael Monsour ACØTX



BVARC Rag Chew Net

08/24/16, K5LKJ (NCS), W5TKZ, W5HFF, KF5TFJ, KF5ONT, AA5OA, WA5CYI, KD5CDM (R), K5LJ, WA5KXG, KC5JAR (Katy), AA0ST (Dickinson).

(12 Check-Ins) Solar Cycle 24: SFI = 79, SN = 47, A = 18, K = 2

08/31/16, K5LKJ (NCS), W5HFF, W5TKZ, K5IZO/5 (P) (Jasper), W5TOM, KF5TFJ, K5LJ, WA5VOM, WW5PA, KF5PHA, N5EKW (Katy), VK2AJB (Sidney, Australia)(RCS), AF5XL, W1BG. (14 Check-Ins)

Solar Cycle 24: SFI = 97, SN = 64, A = 16, K = 1

09/07/16, K5LKJ (NCS), W5TKZ, W5HFF, K5LJ, AA5OA, AA0ST (Dickinson), W5RH, W5VOM. (8 Check-Ins)

Solar Cycle 24: SFI = 93, SN = 32, A = 14, K = 3

09/14/16, K5LKJ (NCS), W5TKZ, W5HFF, K5LJ, AF5T, KF5TFJ, W5VOM, K5AWL, KJ5Y (Pearland), W5RH, AA5OA, AA0ST (Dickinson). (12 Check-Ins) Solar Cycle 24: SFI = 85, SN = 27, A = 5, K = 2

09/21/16, K5LKJ (NCS), W5TKZ, WA5CYI, W5HFF, KF5TFJ, K5IZO, KE5HSW (Lake Charles, LA), KE5OBY, KG3JPP, W5TOM, W5VOM, K5AWL, W5RH, K5LJ, AA0ST (Dickinson), AF5T, K5JPG. (17 Check-Ins)

Solar Cycle 24: SFI = 85, SN = 32, A = 19, K = 0

(M) = mobile (P) = Portable (R) = Relay (RCS) = remote controlled station (T) = telephone check-in



BVARC Historical Vignettes – BVARC and the Houston Marathon

Allen Mattis N5AFV, Club Historian

I was recently contacted by BVARC member Carl Hacker, WC5WM, who asked for my help. Many of you know that Carl chaired amateur radio communications for the Houston Marathon for many years. Carl is in the process of putting together a history of amateur radio supporting the Houston Marathon and he asked me if I knew when amateur radio operators first became involved in the Houston Marathon.

The May 1983 BVARC newsletter first began to publish the public service events column listing BVARC members who participated in public service events. That column indicates that five BVARC members participated in providing communications supporting the January 16, 1983 Houston Marathon. The nice thing about amateur radio supporting the Houston Marathon is that any radio amateur in Houston may participate. The BVARC newsletters do not tell us how many other Houston amateur radio operators participated and whether or not they belonged to a club.

One thing we learned in the aftermath of Hurricane Ike in 2008 is that the amateur radio operators working together in public service events like the Houston Marathon have gained valuable experience in that is useful when a disaster strikes our community.



The Synergy of Amateur Astronomy and Amateur Radio Astronomy Day, Saturday, Oct. 8, George Observatory

For 7 years, BVARC has had a presence at Astronomy Day at George Observatory in Brazos Bend State Park (about 15 miles South of Sugar Land). We set up a working amateur radio station on the deck and present what we call "The Synergy Of Amateur Astronomy and Amateur Radio." See the pic attached from (2011). The pic isn't the greatest, but that's the only ones Kirk or I could find; You get the drift, though now the setup is much more elaborate. We have THE PRIME location on the deck.

This is usually coordinated by Kirk Kendrick (KK2Z, past President of BVARC and of the Houston Astronomical Society - HAS) and myself, John Chauvin (K5IZO, past President of HAS). Many of you have shown up at one time or another over the past 5 or 6 years.

If the WX is good, the event usually draws around 3000 people, of all ages from babes-in-arms to 90 year olds. The median age is probably around 30. Note, that because it is Astronomy Day, these 3000 people, by definition, have some scientific interests, probably including Amateur Radio.

Generally we set up around 2 - 3PM and go until 8 or 9PM. In the early years, using our ham radios, we were able to let the public hear the radio emissions from Jupiter. However, Jupiter is not well positioned this year, so we are always interested in other such objects. Sometimes we do a satellite comms demo which is usually of interest to the Amateur Astronomers and the public. Regardless, our posters promote the synergy and give many examples. Kirk and I provide all the equipment; we need your smiling, knowledgeable faces there for at least a few hours. It is really a hoot, especially with young people there, and especially if there is a Boy/Girl Scout presence in the park that weekend.

Would you be willing to participate this year even if for just a few hours? E-mail me (K5IZO@yahoo.com) or call me (281-216-4158). Its a good thing, it is fun and it is educational!



The Radio Hotel - Antennas for the 3910 Rag Chew Net

By Rick Hiller -- W5RH

50 Ways to Hang a Skyhook

(sung to the tune of Paul Simon's 50 ways to Leave Your Lover)

*The problem is all in your backyard she said to me,
The answer is simple if you take it logically,
I'd like to help you get on the Rag Chew Net....it's E-Z.
Cause, there must be fifty ways to hang a skyhook.*

*Just put up a dipole, Joel,
Then load the ends, Sven,
Or add a couple of coils, Boyle,
Tune for thirty nine ten.*

*Build a vertical kit, Mitt,
LKJ will discuss it,
Best to put out some radials, Gwen,
Then just check in.*

The BVARC Wednesday Rag Chew Net, 7PM, 3910 KHz with NCS, John -- K5LKJ, welcomes all. It's simply a watering hole for those BVARC members and non-members to hang out for about an hour on the 75(80) Meter HF band. Check in, then check out the signal reports and listen and learn from those that have been regular check-ins for many years. But how do you get on the air on 75 Meters? Nine popular antennas that have been used by Net attendees come to mind, but in no way is it an all-encompassed listing. Use Google to understand the terms and descriptions that you don't know.

Order top to bottom is "desirable" to "less desirable" (IMHO):

- 1) A full size dipole – about 135 feet long
- 2) A loaded Dipole – The LKJ Wednesday Night Special – by K5LKJ the Net's NCS and MC.
http://www.bvarc.org/Tech/LKJ_Wednesday_Night_Special.pdf
- 3) Off Center Fed (OCF) Dipole – i.e. Carolina Windom
- 4) G5RV – Original Implementation
- 5) Short dipole using tuned, ladder-line feeders (ATU in the shack).
<http://bvarc.org/Tech/ShortenedDipole.pdf>
- 6) Verticals (18-AVQ, 6BTV, AV-18HT) Ground Mounted with radials or fed against Earth
- 7) Inverted L – vertical with radials or fed against Earth
- 8) Two 75 Meter Hamstick Mobile antennas back to back using an MFJ-347 adapter.
- 9) Isotron -- <http://isotronantennas.com/>

**Note: #'s 1 thru 5 dipoles should be in the air 20 feet or higher, if possible.*

All of the above will radiate to some degree, some better than others. Note that we are dealing with season changing, local, Low Band propagation -- ground wave (barely), direct wave and NVIS. Larry, K5LJ, wrote an article about this "donut hole" phenomena -- # 5 above has the link to his BVARC Tech Web Page article.

A good hint for all you spaced challenged, net check-in wannabes: a horizontal antenna does not have to remain linear. It can be bent or folded. Yes, with some degradation in performance, but it will get you on the air. Club member, Nizar -- K0NM, has suggested bending the ends of a dipole down towards the Earth to get some vertical radiation. His implementation in **The Bent Dipole, QST, May 1997**, might help you fit that dipole in your back yard.

See you on the Net. Enjoy your hobby. GL ES 73 DE W5RH **Next Time....The Skinny on Wire**

*The purpose of **The Radio Hotel** is to give you a practical kick start into exploring the workings of antenna systems. Google the buzz words and find out what they mean. Read up on antenna system theory to see how it all works together. You will be glad you did.*

**Results of the September 13th
BVARC Amateur License Examination Session
by: John Moore, KK5NU**

B-VARC sponsored and administered the ARRL's Amateur Radio Examination session that was held on Tuesday, September 13, 2016 at HCC's Scarcella Science & Technology Building in Stafford, TX.

MEMBERS OF THE VE TEAM:

Richard Goldy, K5GOL
Larry Jacobson, K5LJ
John Moore, KK5NU
George Ontko, KM5VP

One examination element was administered during the evening to one (1) applicant. One upgrade to General class was attained, with the total number of elements passed being 1. The overall "pass rate" for the evening was 100%.

Congratulations to the following who attained a license and/or passed an exam:

Aristoteles E. Villomil - KG5PKU - General

Many thanks to all the Team Members and Assistants who volunteer their valuable time and effort each month. All of us at B-VARC again thank everyone at HCC Scarcella Science & Technology Building for making these excellent classroom facilities available to us for our exams each month.

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BVARC Monday Night Public Service Net Updates

Don't forget the BVARC Monday Night Net starts at **8 pm** on 146.94 (167.9). The order of check-ins starts with mobile units first then fixed stations. If you have something for the net, make sure you let Net Control know about it when you check in. We are looking for Net Control Operators. Contact Rick, w5rh, if you are interested. Here are recent check-ins with control-ops: X

6/20 - 22 - Ron, k5hm 6/27 - 23 - Clint, kf5hdf 7/4 - 13 - Dave, n5ekw 7/11 - 18 - Steve, kf5yyz 7/18 - 20 - Ron, k5hm	7/25 - 20 - Clint, kf5hdf 8/1 - 24 - Rick, w5rh 8/8 - 20 - Steve, kf5yyz 8/15 - 20 - Rick, w5rh 8/22 - 27 - Clint, kf5hdf	8/29 - 22 - Ron, k5hm 9/5 - 15 - Dave, n5ekw 9/12 - 18 - Steve, kf5yyv 9/19 - 25 - Ron, k5hm
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BVARC QUICK STATS

Date	Members	Newsletters	Life Members
9/25/16	193	198	66



N5XZ's Antenna Farm Thoughts

See no evil high SWR Hear no evil power line noise Speak no evil about the SteppIR



BRAZOS VALLEY AMATEUR RADIO CLUB

This newsletter is a monthly publication of the Brazos Valley Amateur Radio Club. For a full listing of officers and information about BVARC, please go to www.bvarc.org. Detailed information will be published in the newsletter every 3 or 4 months. Similarly, the "Eating Schedule" will be published every 3 or 4 months unless there is a change.

General membership dues are \$25.00 per year, with student dues \$10.00 per year, additional family members \$5.00 per member per year.

Club meetings are normally held on the 2nd Thursday of each month at 7:30 p.m. at the Sugar Land Masonic Lodge, 421 Eldridge Rd, Sugar Land, 77478. Check the above website for any possible changes.

BVARC also administers amateur radio license exams on the 2nd Tuesday of each month at 7:00 p.m. at the Houston Community College's Scarcella campus in Stafford.

A Public Service Net is held each Monday at 8 p.m. on the 146.94 (minus offset, PL 167.9 tone) repeater.

A rag chew net is held each Wednesday at 7 p.m. on 3910 KHz +/- 3 KHz.

To obtain information about joining **BVARC** or its activities, contact the club's "Elmer," Ross Lawler, W5HFF at 281-701-7602 or see the BVARC website: www.bvarc.org

Other contacts include:

President., Mike Hardwick, N5VCX, n5vcx@att.net

Newsletter Editor, John Chauvin, K5IZO, k5izo@yahoo.com

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**BRAZOS VALLEY
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SUGAR LAND, TX 77487-2997
ADDRESS SERVICE REQUESTED**

FIRST CLASS POSTAGE

BVARC General Membership Meeting – Thursday, October 13



If your mailing label is highlighted in color, it's time to renew your membership!