



# BVARC BEACON

Newsletter of the Brazos Valley Amateur Radio Club

AMATEUR RADIO FOR SOUTHWEST HOUSTON AND FORT BEND COUNTY



VOLUME 47 ISSUE 10

OCTOBER 2023

**It's official! GHF will be the 2024 ARRL West Gulf Division Convention.**

## October General Membership Meeting Notice

Thursday, October 12, 2023 at 7:30 PM

Community Volunteer Fire Department Conference Center, 16005 Bellaire Blvd and via Zoom

Presentation Topic for the October meeting is Hot Spots.

To celebrate the World Series and baseball in general, food for the meeting is hot dogs and popcorn.

## **November Club Elections – Soliciting Candidates**

A number of the current BVARC Board of Directors (BOD) members will finish their terms as of December 31<sup>st</sup>. We are seeking candidates for the following BOD positions for 2024, etc.

President	Term – 2024 thru 2025
Recording Secretary	Term – 2024 thru 2025
2 Year at Large (A)	Term – 2024 thru 2025
1 Year at Large/Past President	Term – 2024

Should you have an interest in running for any of these positions or you have questions as to what is involved, please contact me: Rick – W5RH @ [rickhiller73@gmail.com](mailto:rickhiller73@gmail.com)

**Remember to attend the November 9<sup>th</sup> BVARC meeting and VOTE !**

## **Net Control Operators Needed!**

Brazos Valley Amateur Radio Club, with nearly 350 members, is the largest club in Houston and the second largest in Texas. A club of this size needs its members to help with the various functions that keep the club functioning. There are many positions that a member can do to help with the club from serving on the board of directors to coordinating events. One of the easiest positions that takes up little time is to serve as NET control on the club's different NETS.



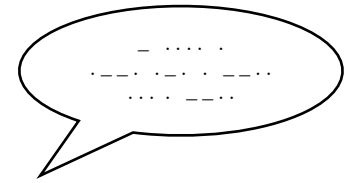
If you are interested on helping and being a NET control, please let me know. There are many openings on the Monday night NET, the Stir-Crazy NET, and the QuestionAire NET. If you would like to be net control and would like to do something different, let me know so we can implement the changes. With fifteen different time slots to choose from, there is plenty to go around. There will be a sign-up sheet on the BVARC web site to reserve a spot over the next few weeks.

So set some time aside to help the club and promote amateur radio. You can contact me at [n5vcx@att.net](mailto:n5vcx@att.net) or call me at 713-826-6917.

73,  
N5VCX

# The Prez Sez

If you made it to last month's program, you are totally educated on generators. If you didn't make it, then you may be in a world of hurt when the next storm hits, and you need power for your house or radios. What I am trying to say is Richard Driscall, KD5DRB had an excellent program on generators and if you missed it, that's unfortunate. However, it will be available shortly on YouTube so don't despair. I want to thank Richard for a great program and let him know he is welcomed to come back anytime to further our education on generators.



Coming up in October, Richard Bonica, KG5YCU, will be exploring the finer points on Hot Spots and how to build one for only \$5 (Hi Hi). So, make sure you come out to the October 12<sup>th</sup> meeting for a great presentation. Don't forget the BVARC food team will be serving hot dogs and popcorn, recognizing the start of the World Series later in the month.

Don't forget the rest of the year - November – Chili Supper & Elections, December – 2 Programs – Home Brew Night & Battery Back-up Packs, and January – BVARC Annual Awards Banquet.

Speaking of elections, this is the time for club members to step up and volunteer to help with the management of the club. The club needs your help to keep the largest ham radio club in Houston growing and its continuing support of the amateur radio hobby. If you would like to volunteer, contact Rick Hiller, W5RH, who is the election committee chairman and let him know. See the front page of this newsletter for more information.

More club events (Parks on the Air, Brews with BVARC, Winter Field Day, Museum Ships Weekend, and ARRL Field Day) are coming up so check the web site for more info.

Just a reminder, Winter Field Day will be held on January 27<sup>th</sup> and 28<sup>th</sup> at Duhacsek Park in Sugar Land so mark your calendar. If you would like to help with Winter Field Day, give me a call.

Greater Houston HamFest will have a planning session on October 11<sup>th</sup> so if you would like to help, check in on the Zoom meeting. The Zoom address will be posted on the web site and sent out on the reflector.

And finally, Belton is coming on October 7<sup>th</sup>. Hope to see you there.

I came across this photo of a rendering of the proposed 100,000 antennas for a new radio telescope in Western Australia. They are all log periodic antennas!



73,

N5VCX

---

Knock, knock!

Who's there?

Radio.

Radio who?

Radio not, here I come!

How do Vikings send secret messages?

Norse code.

# The Radio Hotel – Gain – An Observation

Rick Hiller – W5RH

Unfortunately, what I am about to tell you is not an “energized light bulb over the head” breakthrough. It is simply an observation of technical fact.

I was using the EZNEC modeling program to increase the forward gain of my single element, 40 meter W5RH DX Delta Loop. I wanted to improve its pattern toward “the land down under.” I knew that I needed to maintain the already low angle of radiation -- 17degrees. In order to do that and keep the array physically close to the ground (just above my roof level), it needed to remain vertically polarized. So the RF and physical characteristics and limitations were in place and understood. Being in Sharpstown, I needed to generate this gain improvement within my moderately sized back yard. The path to more gain from a single element antenna is a move toward parasitic arrays, extended arrays or driven arrays (i.e. Yagi-Uda’s, EDZ’s or W8JK’s respectively). Yagi-Uda’s, although easier to implement will not give as much gain as a driven array, and an EDZ type -- Extended Double Zepp, is a way to get driven array gain without the typical dual feed point of the driven array. Each has its merits and caveats.

I modeled all of the possible 40 meter configurations for both driven and parasitic arrays. I even modeled a side by side driven, but shortened, delta loop array, which amazingly, fit within my yard. (I envisioned implementing it by hanging it under a 17 meter EDZ made from aluminum tubing at 45 feet...(the 17 meter EDZ is another story in itself.) I coaxed and coerced as much gain out of these wires and arrays that I could muster EZNEC to squeeze. In the end, for those 10 hours of modeling and analysis, I went from a single element delta loop with 2.9 dBi gain at 17 degrees primary launch angle, to 2 delta loop elements with 6.9 dBi gain at 15 degrees. 6.9 dBi was the best gain figure of all of the arrays modeled and it occurred with the “fore and aft” driven array. So far, so good in the virtual world. However, in order to physically implement this 2 element array to get the 4dB increase, I would still have to 1) put up a 32 foot long aluminum boom support at 45 feet, 2) build a second shortened element, and 3) design and build a phasing network to feed this beast. So I had “miles to go before I’d DX.”

A 4dB increase in transmit gain is good. It took a lot of analysis, thought and modeling to get that 4 dB and it would certainly help in making my thrice weekly skeds with VK3CWB easier to accomplish, (or at times even just possible with my 100 watt barefoot signal.) However, as I sat in front of my transceiver the other evening trying to dig a signal out of the mud... IF Shift, RF Gain, Narrow Filter came into play in order to improve things. One last button remained – “Pre-amp”. I thought as I pushed it –“hmmm...20 dB gain”. Holy Toledo!!! A simple push of a button gave me 20 dB...20 dB !!! – 5 times the 4dB transmit gain I labored hours on the computer to attain and had not yet proven in the physical realm. A single stage in the receive chain of a modern day HF transceiver gave me a real 20dB receive antenna system gain. Wow.

## The Moral

Receiver gain – appreciate the ease of acquisition. Antenna Transmit gain – relish the enlightenment.

Enjoy your hobby – W5RH



# BVARC Bright Stars



This month we shine the light on JP Pritchard, K5JPP, as a BVARC Bright Star. JP has been with BVARC for over six years and has helped in many areas of the club. From newsletter production to MC for the Greater Houston HamFest to contributor to the newsletter, JP has been an asset to the club.



JP started in amateur radio in Des Moines, Iowa when he was twelve years old with a novice license. Between high school and university, he held on to the novice license. The novice license finally expired but not his interest of amateur radio. So finally in 2016 he joined the ranks of the amateur community where JP started back with KG3JPP, then W5JPP and then finally K5JPP.

Besides amateur radio, JP has been in the commercial broadcasting industry since graduation from Drake University. JP has worked at many broadcast stations in Des Moines and Houston over his career.

In 1979 JP moved to Houston to work at various local stations. In 1984 he started working with Lana Hughes at KTRH and worked with Lana as a team for 27 years when the station changed formats. During JP's time at KTRH, he received the highest honor in radio broadcasting in Texas and was inducted into the Texas Radio Hall of Fame in 2009.

JP enjoys working HF with his Apache Labs Anan 7000DLE MkII with a SteppIR Vertical. He is always at Saturday morning breakfast and makes most of the general meetings. JP is kept in line by his wife Ester and stays crazy by his three grown sons and two grandsons.



So, if you hear JP on the air or see him at a club meeting, thank him for his "shining work" for the club and amateur radio.

73,  
N5VCX

## October 2023 – Amateur Radio Events Calendar

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6 <b>S</b> Belton HamExpo	7 FCC Testing Bayland Park 10:30 AM Belton HamExpo
8 BVARC Board Meeting 5 PM – Zoom	9 <b>P S</b>	10 <b>Q S</b>	11 <b>R S</b>	12 <b>S</b> BVARC General Meeting 7:30 PM	13 <b>S</b>	14 SEQP 1200-2200 UTC (7AM-5PM)
15	16 <b>P S</b>	17 <b>Q S</b>	18 <b>R S</b>	19 <b>S</b>	20 <b>S</b>	21 Bayland Park Classroom <b>Available 9A-1P for your session</b>
22 POTA Galveston Island 10AM-5PM	23 <b>P S</b>	24 <b>Q S</b>	25 <b>R S</b>	26 <b>S</b>	27 <b>S</b>	28
29	30 <b>P S</b>	31 <b>Q S</b>	<b>P</b> : Pub Svc Net 8 PM Mondays <b>Q</b> : QuestionAIR Net 7 PM Tuesdays <b>R</b> : Rag Chew 7PM Wednesdays <b>S</b> : Stir Crazy Net Noon Mon-Fri			

## **MINUTES**

### **Board of Directors Meeting**

### **Brazos Valley Amateur Radio Club**

September 10<sup>th</sup>, 2023 5:00 PM Via Videoconference

#### **Board Members Present:**

- President – Mike Hardwick – N5VCX
- Vice President – Kori Rahman – WX5KR
- Treasurer – Dave Ely – N5EKW
- Cor. Secretary – Jeff Greer – W5JEF
- 2 Yr. at Large (A) Directory – Anthony Morones W5LIC
- 2 Yr. at Large (B) Director – Drew Dasher N1ER
- 1 Yr. at Large Director – Terry Leatherland – K5PGF

#### **Guests Present:**

- Jorge WK5J
- Scott KD5FBA

#### **Meeting:**

1. Establishment of a Quorum: A business quorum of Board Members was established.
2. Call to Order: The President called the meeting to order at 5:06 PM.
3. Club President's Opening Statement: The President thanked those in attendance for taking the time to join the meeting.
4. Emergency business (none).
5. Approval of Agenda: Agenda approved.
6. Approval of Minutes: Minutes of the previous Board of Directors meeting were approved.
7. Approval of Treasurer's Report: The Treasurer's report was approved with minor corrections.
8. Corresponding Secretary: Report approved as submitted.
9. Old Business:
  - Programs
    - i. October – Hot Spots
    - ii. November – Elections/Chili Supper
    - iii. December – Homebrew Night
    - iv. January – Annual Awards Banquet (if you would like to help, let Mike Hardwick know)
  - Committees to begin meeting soon
10. New Business: Possible BVARC club station at Bayland.
11. Next BoD Meeting Date: October 8<sup>th</sup> at 5 PM on Zoom.
12. Adjournment: Meeting adjourned 5:59 PM.

---

### **Ham Exam Question**

When using a transceiver that displays the carrier frequency of phone signals, which of the following displayed frequencies represents the lowest frequency at which a properly adjusted LSB emission will be totally within the band?

- A. The exact lower band edge
- B. 300 Hz above the lower band edge
- C. 1 kHz above the lower band edge
- D. 3 kHz above the lower band edge

## **Solar Eclipse QSO Party** **Saturday October 14, 2023, 7 AM – 5 PM CDT**

“The Solar Eclipse QSO Party is an opportunity for amateur radio operators (hams) to operate during the October, 2023 and April, 2024 eclipses, before, during and after they pass over North America. Using various modes (CW, voice, and digital), two-way transmissions (QSOs) made during the SEQP will contribute to scientific studies focusing on the ionosphere’s reaction to the eclipse.”

— <https://www.hamsci.org/contest-info>

Operating event logs of QSOs on the 160, 80, 40, 20, 15, 10, and 6 meter bands will be used to analyze the October 14 eclipse’s effect on RF propagation. SEQP begins a few hours before the eclipse and continues a few hours after, to collect baseline data. Houston will see a partial eclipse, with darkening beginning around 10 AM and ending around 2 PM.

---

### **BVARC Rag Chew Net**

Below is the BVARC Rag Chew Net check-in information:

08/23/23, K5LKJ (NCS), K5LJ, K5TPC (Bellaire), KG5ICR, K5JPP, W5TKZ, W5VOM, WW5PA, W5LIC, KI5HOC, W5ALW, W5RH, W1BG (Katy), AA5OA (Percy, AR). (15 Check-Ins)

Solar Cycle 25: SFI = 151, SN = 99, A = 8, K = 0 / Band Rpt: GOOD

08/30/23, K5LKJ (NCS), K5JPP, K5LJ, W5TKZ, KG5ICR, KI5HOC, W5ALW, AI5KD (Pearland), K5TPC (Bellaire), K5AKM (Alexandria, LA), W5LIC. (11 Check-Ins)

Solar Cycle 25: SFI = 142, SN = 94, A = 5, K = 1 / Band Rpt: GOOD

09/06/23, K5LKJ (NCS), W5VOM, K5JPP, K5AKM (Alexandria, LA), KF5ONT (Conroe), WW5PA/5 (M)(Alice), W1BG (Katy), W5ALW, KI5HOC, W5LIC, AI5KD (Pearland), KI5RLZ (Channelview), AA5OA (Percy, AR). (13 Check-Ins)

Solar Cycle 25: SFI = 143, SN = 131, A = 10, K = 2 / Band Rpt: FAIR

09/13/23, K5LKJ (NCS), W5VOM, K5LJ, W5TKZ, K5JPP, KG5ICR, W5EAT (Livingston), W5ALW, K5TPC (Bellaire), KI5HOC, KF5ONT (Conroe), KE5PYX (Evadale), AA5OA (Percy, AR), W5RH, NT5SM, W2WF. (16 Check-Ins)

Solar Cycle 25: SFI = 154, SN = 109, A = 25, K = 3 / Band Rpt: FAIR

09/20/23, K5LKJ (NCS), K5JPP, KG5ICR, W5ALW, KI5HOC, KI5ELG (League City), W1BG (Katy), K5TPC (Bellaire), K5LJ, W5TKZ, W5LIC, AA5OA (Percy, AR), KI5RLZ (T)(Channelview), KI5SKL (T), WD5L (T). (15 Check-Ins)

Solar Cycle 25: SFI = 166, SN = 137, A = 49, K = 2 / Band Rpt: FAIR

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

Net conditions have been fair to good this month. Fire up the rig and learn what others are doing and share your experiences. Come join in the conversation each Wednesday evening. Regards. John K5LKJ

# How Does Trunking Radio Work

From Tait Radio Academy

Trunked networks get their name from the world of telephony. Traditionally two cities would bundle their connections together into a single thick line like the trunk of a tree, which is known as a trunked line. The local household loop lines operated like the branches of a tree, one line for each household.

The reason trunking has become so important is because it offers some huge advantages over conventional for larger agencies.

A conventional system is a system that has dedicated channels, allocated to a specific user or a group of users. Channel one might be fire, channel two might be fire chiefs, channel three might be animal control. If you want to communicate with a particular group in conventional, then you need to manually select a channel by hand either by moving a selection knob on the radio or by using a drop-down menu.

Conventional has some huge advantages and is still popular around the world today. It is amazingly fast to set up a call, it is easy to use, and it is inexpensive. However, there are some downsides as well. Remember conventional means using dedicated channels that are manually selected. When a channel is being used, it is used exclusively by one caller, so anybody else who wants to make a call on that channel must wait until the call is over. It causes an inefficient use of radio channels. Channel one (the fire channel), would be frequently busy. On the other hand, channel three (the animal control channel), can go idle as it would not be as frequently used.

So, while callers may be waiting to use channel one, they cannot make use of channel three even though it's completely idle. If a user wanted to add call groups, they would need to add a new selectable channel. In this sense, users are limited by how many channels they can select manually. It also adds the headache of reprogramming all the radios anytime a new channel or user group is added.

For small agencies, a conventional system is perfect. If they know the groups that will communicate together, a conventional system is a good choice. But as soon as the number of groups or the number of users working on a system increases, trunking may be a better option.

Trunked radio might be better called "computer-controlled" or "computer-aided" radio. When a trunked radio user wishes to communicate with another user or group, the computer automatically assigns them the first free available channel to make each call. The underlying principle of trunking is that not all users or groups who need to communicate in a channel will do so at the same time. Therefore, there can be many more users or groups than there are channels in the system.

A good way to explain Trunking to use the following analogy: Consider a conventional bank in which specific tellers are dedicated to specific types of customers. For example, one teller focuses on cash withdrawals, another on cash deposits, and another only on business accounts.

So, what happens at lunchtime? A long queue develops as household users want to make cash withdrawals or put in cash deposits and that teller gets overloaded. The business teller, however, helps one or two business customers spend most of their lunch time idle. This is the problem with conventional systems.

By contrast, a Trunking teller can serve any type of customer and do any sort of transaction. So, at lunch time when the long queue of household users wanting to make



cash withdrawals or cash deposits is mixed in with the business users, a controller at the head of the queue simply assigns each customer to the first available teller.

This means more transactions can occur because the tellers are far more flexible and the trunking controller at the head of the queue is an intelligent intermediary who can direct traffic and maximize efficiency.

So that's the basic difference between conventional and Trunking networks: In conventional the users manually control the allocation of channels by selecting from a knob, whereas in Trunking systems, a computer at the center of the network is responsible for channel selection.



## September VE - FCC TESTING SESSIONS RESULTS

For the September 9<sup>th</sup> test session at Bayland Park - we had 1 candidate and conducted 1 test.

New Licensee:

Logue, S (Technician)

VEs in attendance – K5GOL, KG4NDS, KG5ICR, N1ER – **THANKS!**

Congratulations!

\*\*\*

The next BVARC test session will be **Saturday October 7<sup>th</sup>**. **Pre-registration is required.**

For new licensees the testing fee, paid at the session is \$15. An additional \$35 license fee (totaling \$50), will be collected by the FCC separately for new, renewal and vanity calls. License upgrades **do not** pay the added \$35 fee, just the \$15 session fee.

### YOUTH LICENSING INCENTIVE PROGRAM

The ARRL has created a youth program (18 and under) to defray the licensing costs to a total of **\$5** (deducting the \$35 increase and \$10 off the \$15 VE session fee). See: <http://www.arrl.org/youth-licensing-grant-program>.

Also, BVARC is implementing its own program for **youth** licensing.

We'll provide a **new VHF/UHF transceiver (Baofeng, limited supply)** at the VE session, to youth that successfully pass their Technician test. This is the result of a very generous grant from a BVARC member.

**Bottom line, a young person for \$5, can walk into a test session and walk out with a new radio and a pending license.**

\*\*\*

Examination sessions are held each month, usually on the same day as the Saturday BVARC Board meeting (most times, the first Saturday of the month). These sessions are at the Bayland Park Community Center, 6400 Bissonnet St., Houston TX 77074

Details for candidates are found at <https://bvarc.org/home/ham-radio-license-testing-houston/>

Pre-register to attend a test session at: <https://hamstudy.org/sessions/arrl/77008/inperson>

For questions, Email Mark Janzer, K5MGJ at ([k5mgj@yahoo.com](mailto:k5mgj@yahoo.com)).



**RO  
CS**

*River Oaks Car Stereo*

Since 1990

4129 Richmond Ave

Houston TX 77027

713-626-7627 -

[help@riveroakscarstereo.com](mailto:help@riveroakscarstereo.com)

[riveroakscarstereo.com](http://riveroakscarstereo.com)

NU5K - Eddie  
KB5YTA - Dwayne  
KB5OBB - Eddie Jr  
KF5RKJ - BLake  
WSLIC - Anthony



## 2023 Club Officers

President (2022-2023)  
Michael Hardwick N5VCX n5vcx@att.net  
Vice President (2023-2024)  
Kori Rahman WX5KR kori113@gmail.com  
Recording Secretary (balance of 2022 – 2023)  
Jeff Greer W5JEF greerjw@hotmail.com  
Corresponding Secretary (2021-2022)  
Jeff Greer W5JEF greerjw@hotmail.com  
Treasurer (2021-2022)  
David Ely N5EKW davidely@prodigy.net  
2 Year At-Large Board Member A: (2022-2023)  
Anthony Morones W5LIC w5lictx@gmail.com  
2 Year At-Large Board Member B: (2023-2024)  
Drew Dasher N1ER adasher18@hotmail.com  
1 Year At Large (2023)  
Terry Leatherland K5PGF k5pgf@yahoo.com

---

## Regularly Scheduled Club Happenings

### General Meeting

Second Thursday each month, 7:30 PM  
Both in-person and Zoom, 16005 Bellaire Blvd

### Board of Directors Meeting

The weekend before the 2<sup>nd</sup> Thursday, in-person and/or via Zoom. **Check the website** as this might change. *(Next meeting is via Zoom, Sunday, October 8 at 5 PM)*

Bayland Park Community Center  
Bayland Park, 6400 Bissonnet, Houston  
Check [www.bvarc.org](http://www.bvarc.org) for more current info.

### Volunteer Examiner Program

Monthly ham testing session 10:30 AM on the Saturday before the General Meeting, at Bayland Park Community Center. Please check the BVARC website for any last-minute changes or updates.

Rag Chew Net 3910 KHz ± 3KHz Wednesdays at 7 PM

Public Service Net Monday night on 146.94- (167.9) at 8 PM

Stir Crazy Net Monday-Friday on 146.94- (167.9) at 12 PM  
Check [www.bvarc.org](http://www.bvarc.org) for current info.

Greater Houston Simplex Net 4<sup>th</sup> Thursday, propagation net, at 7 PM, on 146.54 MHz simplex and an alternate frequency of 147.54.

QuestionAIR every Tuesday at 7 PM on 146.94, negative (-) shift, PL Tone of 167.9.

BVARC POTA on Sunday October 22nd 10 AM-5PM at Galveston Island State Park (K-3013).

## Advertising in the BVARC BEACON

Business card sized ads are \$10 per month or six months for \$50.

Half page ads are \$25 per month, \$125 for six months, or \$250 per year.

Full page ads are \$50 per month, \$250 for six months, or \$500 for a year.



## BVARC EATING SCHEDULE

### SATURDAY MORNING BREAKFAST

IHOP on SW Freeway inbound service road, near Kirkwood at 7 AM.

### WEDNESDAY LUNCH BUNCH

Luby's Cafeteria, W. Airport & FM-1092 (Murphy Rd) at 11AM.



## Hamfests Near Houston

**10/06/2023 - 10/07/2023**

### Belton HamExpo

**Location:** Temple, TX

**Type:** ARRL Convention

**Sponsor:** RV Radio Network

**Website:** <https://tarc.org/hamexpo/>

**03/01/2024 - 03/02/2024**

### Greater Houston HamFest

**Location:** Rosenberg, TX

**Type:** ARRL Hamfest

**Sponsor:** Brazos Valley Amateur Radio Club

**Website:** <http://www.houstonhamfest.org>



## Events Near Houston

**Wings Over Houston, October 14 - 15, Ellington Airport**

**SEQP Solar Eclipse SQO Party, Saturday, October 14  
1200-2200 UTC (7 AM - 5 PM Central Daylight Time)**



Ham Exam answer: D, 3 kHz above the lower band edge. LSB phone mode occupies 3 kHz below the carrier, so the carrier frequency must be 3 kHz above the lower band edge to stay completely within the band.

# BRAZOS VALLEY AMATEUR RADIO CLUB

This newsletter, the BVARC BEACON, 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](http://www.bvarc.org). Detailed information will be published in the BEACON 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 per year, with student dues \$10 per year, additional family members \$5 per member per year.

Club meetings are both in-person and via Zoom on the 2<sup>nd</sup> Thursday of each month at 7:30 p.m. If you have signed up for the email reflector, you will receive notice and the attendance password, etc. It will also be on the website a few days beforehand.

BVARC amateur radio testing takes place typically on the Saturday before the 2<sup>nd</sup> Thursday of each month at 10:30 AM. Location: Bayland Park Community Center, 6400 Bissonnet, Houston, 77074. **Before going** please check the BVARC website for any changes.

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

A "Stir Crazy Net" is also held weekdays at 12 Noon on the 146.94 (minus offset, PL 167.9 tone) repeater.

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

The QuestionAIR Net is held every Tuesday at 7:00 PM on the 146.94 (minus offset, PL 167.9 tone) repeater.

To obtain information about joining BVARC or its activities, see the BVARC website: [www.bvarc.org](http://www.bvarc.org)

Other contacts: **BVARC President** Mike Hardwick N5VCX [n5vcx@att.net](mailto:n5vcx@att.net), **Newsletter Editor** Donovan Balli KG5BDZ [dballi@mail.com](mailto:dballi@mail.com), **Editor Emeritus** John Chauvin K5IZO [k5izo@yahoo.com](mailto:k5izo@yahoo.com), **Newsletter Printing, Assembly, and Mailing** Mike Hardwick N5VCX [n5vcx@att.net](mailto:n5vcx@att.net), Jeff Greer W5JEF [greerjw@hotmail.com](mailto:greerjw@hotmail.com), Gokhan Koralturk KG0KHN [gokkor@gmail.com](mailto:gokkor@gmail.com)

---

VOLUME 47, ISSUE 10

OCTOBER 2023

**BRAZOS VALLEY  
AMATEUR RADIO CLUB  
P.O. BOX 2997  
SUGAR LAND, TX 77487-2997**

ADDRESS SERVICE REQUESTED


FIRST CLASS POSTAGE

---

Board of Directors Meeting – 5 PM Sunday, October 8, 2023, via Zoom

General Membership Meeting – 7:30 PM Thursday, October 12, 2023

BVARC POTA – 10 AM - 5 PM Sunday, October 22, 2023, Galveston Island State Park



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