



BV ARC BEACON



**Newsletter of the Brazos Valley Amateur Radio Club
AMATEUR RADIO FOR SOUTHWEST HOUSTON AND FORT BEND COUNTY**

SEPTEMBER 2019

VOLUME 43 ISSUE 9

ARRL WEST GULF DIVISION DIRECTOR ELECTION

The election for the ARRL West Gulf Division Director will be held between incumbent John Stratton, N5AUS and Madison Jones, W5MJ. BVARC held an informational forum last month between Lee Cooper, W5LHC and Madison Jones, W5MJ. Since then, qualification issues with one of the people running for the Director's positions, Madison Jones, W5MJ has now stepped up and will be running for that position. **Brazos Valley Amateur Radio club along with the support of all Houston area amateur radio clubs, will be holding a forum between John Stratton and Madison Jones on Saturday, September 28, between 2 and 4 pm. The forum will be held at the Transtar Building, 6922 Katy Road.** If you have any interest in what will happen to amateur radio, you should attend this forum and listen to the candidates on what they will do to help amateur radio if elected. There are several areas of concern coming up soon that could affect different bands and our privileges. If you enjoy the hobby and want it to continue you should attend and make sure you are well informed before the election.



September General Membership Meeting.

Thursday, September 12, 7:30 PM.

Imperial Park Sugarland Recreation Center at 234 Matlage Way, Sugar Land TX, 77478

The September meeting will have ABR doing a presentation on "Your Friend and Mine - Coax Cable". APR is one of Houston's local gold mines – coax cable when you need it.



The Prez Says

For the ones that missed it, you really missed it (that's ok, you left us more ice cream to eat). For the ones that made it, it was a great time and no one and I mean no one went home hungry. The dream team of Daphne Rawlinson, Kelli Medbury and Anita Easter made it one of BVARC's best Ice Socials. The team had plenty of toppings to go with the ice cream and everyone dived in as soon as possible. We had a few entries of homemade ice cream to go with the Blue Bell so it was a great time for everyone. I want to thank Daphne, Kelli and Anita for their hard work. Hopefully the team will be back next year.

Also awards went out to the top scorers on Field Day:

CW 723 contacts K5GN Digital 259 contacts KG5LRP SSB 237 contacts KD5FBA

I want to thank them for their hard work during Field Day. Next year Allen will have to work harder!

A forum between Lee Cooper, W5LHC and Madison Jones, W5MJ for West Gulf Vice Director was held and it went very well. Both presented their ideas and thoughts on what is needed by the ARRL for the hobby to continue and grow. Both candidates have their strong points and weak points so if you are interested on what will have to the amateur radio hobby, please read their web sites on what they are proposing if elected. I know some people are not too keen on the ARRL but remember, they are the only group that continues to work for the betterment (or survival) of amateur radio.

UPDATE, UPDATE, UPDATE – Due to qualification issues with one of the people running for the West Gulf Division Director’s positions, Madison Jones, W5MJ will now be running for that position. Madison will now be running against John Robert Stratton, N5AUS. If you would like to hear their positions first hand, BVARC, along with the support of all Houston area amateur radio clubs, will be sponsoring a forum between John Stratton and Madison Jones on Saturday, September 28, between 2 and 4 pm. The forum will be held at the Transtar Building, 6922 Katy Road. If you have any interest in how the amateur radio hobby continues, make sure you attend this forum to see what is in stake for our bands and licenses. There are issues coming up in the future that could easily cost hams frequencies and possibly privileges. Make sure you attend.

The September meeting will have ABR doing a presentation on “Your Friend and Mine - Coax Cable”. APR is one of Houston’s local gold mines – coax cable when you need it. They have really helped me out for the MS150 and my work at DOT when I needed a special type of cable or a large quantity of LMR. Make sure you come on out to just see what you really need for cable for that 3 kW amp (sorry Allen, I gave you away).

Don’t forget that the club will be taking a field trip for our October meeting. We will have our meeting Thursday, October 10 at 7:30 pm at Transtar, 6922 Katy Road. We will have a personal guided tour of the facility from the bottom of the building to the top floor. We will not be able to go the roof however. To make the evening a little more enjoyable we will be meeting between 5:30 and 6:00 pm at Pizzitolas 1703 Shepherd Drive. Pizzitolas serves BBQ and should be a great place to meet before the tour. We will need to be at Transtar by 7 pm so we can go through their ID badging which should take about 30 minutes. I have also invited the ECHO Society to join us for the tour and dinner. It should be a great time for everyone.

Don’t forget that Club elections are coming up in November. If you would like to help the club and amateur radio, think about volunteering to serve on the Board of Directors. The club needs your help to keep the club and HamFest going so start thinking about helping with the club. You can have someone nominate you from the floor before the elections or you can let someone on the board know you are interested. The positions that are coming up are president, recording secretary, two-year director, and 2 one-year directorships. We are also looking for a replacement treasurer so hopefully we will be able to fill all the position this election.

And finally, some big changes coming up for the Greater Houston HamFest! The HamFest will be growing and working with group to bring more people to amateur radio. If everything falls into place, the Greater Houston HamFest could possible grow to over 3000 attendees! Keep checking the website and the newsletter.

73,
N5VCX

Texas QSO Party

Saturday and Sunday, September 14 and 15.

Would you like to be on the “good side” of a pileup? Then participate in the TX QSO Party either as a mobile station, a portable station or visit someone who has a remote station out in the sticks somewhere. Park yourself in some semi-rare county - then “If you park it, they will come.” Alternatively, operate from your home and make a lot of QSOs, work a bunch of new counties, chase some mobiles and have fun!

The event takes place from 9AM to 9PM on Saturday and 9AM to 3PM on Sunday. So, it is NOT LIKE the “big contests” where you need a lot of 5 Hour Energy bottles to get through it.

Did you know that BVARC sponsors several TXQP plaques? Join in with other BVARCers and simply operate to show your support by participating. BVARCers range in participants from those who make many hundreds of Qs to those that make 5 Qs. EACH OPERATOR COUNTS EQUALLY as a supporting ham by their participation. Join the ranks.

NARS had been the sponsor for this event for many years, but this is the first year that the Texas DX Society has taken the helm. However the same coordinators will be there to assure its success and seamless transition.

-Several BVARCers have “country places” in such semi-rare or rare counties and have a blast. If you own one or know of one that won’t be used that weekend, go for it! For example, I have a place in San Augustine County in east TX where, at last check, only had 5 hams on the FCC rolls. Since the licenses are for 10 years, its possible that 4 are SK and the 5th is inactive. I always operate TXQP from there. I have NEVER heard another station based in my county in about 10 years of such operations. Occasionally a mobile op blows through and makes a few Qs and keeps on rolling. I had counted at least 10 BVARCers that have such vacation homes and there are certainly a lot more.

-Often BVARCers arrange mobile operations where they move from county to county. Since each county is a multiplier, you can work the same station over-and-over from different counties and it counts. As a mobile, all you need to do is work 5 stations and you get some significant bonus points. This is to encourage the participants to “activate” as many counties as possible. So it behooves them to keep rolling. This usually entails one driver and one operator. Sometimes they have a 3rd person who does the logging. Obviously, they rotate positions every hour or two

-Others set up portable stations at a campsite or park in nearby less populous counties.

-HOWEVER, do not let this deter you if you can only work from your regular home station. There are a lot of participants and it’s a great chance to make a lot of QSOs, to work a bunch of TX counties and to show support. It’s fun to track some of the mobiles and pick them up when they enter a new county

For all the details, go to www.TXQP.net

Tnx es 73, de John, K5IZO

Cutting Through the Static – A Column for Newbies

JP Pritchard, K5JPP

You've passed the test and you have your call sign. Now what? The options available to you as a new amateur radio operator are plentiful. You may already have a clear idea of where to start, but for some, in an exciting sort of way, it can seem overwhelming.

Most new hams want to get on the air as soon as possible and their first purchase is likely to be an HT, a "handie talkie," because it seems like the least intimidating way to go, and not coincidentally, the most cost effective for a newbie. An HT operates primarily on the VHF-UHF bands where a technician licensee has the most privileges. If that's you, you might want to start with the 146.940 repeater, which is the unofficial channel used by many BVARC members. Another interesting repeater in Houston is 444.300. Here's where you can talk to hams nationwide, thanks to a system that connects repeaters across the continent via the internet. For more options, Google "ham radio repeaters Houston" and select the "Repeater Book" option in the returns for all Houston-repeaters and their operating parameters. You'll probably enjoy that for a while, but you'll soon be looking to expand to a wider realm of interests.

Two active members of the Brazos Valley Amateur Radio Club (BVARC) have offered up some thoughts on getting started. BVARC President Mike Hardwick, N5VCX, suggests joining a ham radio club. There are several in the Houston area, not the least of which is BVARC. (Google for others). A club will allow you meet other hams where you'll find not only advice and assistance, but a great opportunity for good fellowship. You might also opt for joining ARRL, the national ham radio association that provides a myriad of services and benefits to amateurs.

Bill Cordell, W5VOM, is a longtime ham and an active participant in BVARC activities. Bill suggests attending the weekly BVARC breakfast at the IHOP across I-69/US-59 from the Fountains Shopping center every Saturday morning starting at about 6:30. It's a friendly gathering with discussions that are filled with laughter, but also a lot of sharing of great information about your new hobby. And Bill suggests being bold. Rather than spending a bundle on new equipment before you've really decided what you want to do, he suggests asking members if they have equipment they're willing to loan or donate to a new ham. Most hams who've been in the hobby for a long time have older but functional gear that's currently gathering dust. "Don't be afraid to ask," he says. "And he adds, "Be assertive."

Bill also suggests bringing your enthusiasm with you to the breakfasts and the monthly club meetings, Enthusiasm breeds enthusiasm and he says a good attitude will attract the help you may need as you're starting out.

Mike, N5VCX, is enthusiastic about public service as a great way to get started with ham radio. Public service after all, is an inherent part of amateur radio and a major reason the government grants amateur operators access to precious public airwaves. ARES, the Amateur Radio Emergency Service, is a wonderful place to begin. You'll find out what it takes to participate in disaster preparedness exercises and to play a role when the next hurricane or flood hits Houston. It also offers an opportunity to participate as a radio operator in well-known charitable activities such as the BP MS-150 or the Houston Marathon. Google Harris County ARES, or any other county ARES groups for more information.

Getting your Technician License is, of course, just a first step. Push ahead to get your General and Extra certifications. Studying for the exams is a great learning exercise and will introduce you to many concepts and ideas that will be of use to you as you participate in new activities. Education is not just memorizing facts, but more often the process of learning where to look for answers to questions that come up as you progress.

Don't be afraid to get on the air. You might feel a little nervous at first, but if you find yourself floundering around in your attempts, don't hesitate to tell the ham you're talking to that your new to ham radio. You'll be surprised how helpful most operators are when encountering someone who's new to the hobby. If you're pursuing CW skills, please ask for help. Again, go back to our old friend Google and search for "slow speed CW traffic nets." These on-air sessions are designed to help you improve your CW skills.

So think about what you want to get out of ham radio and what you're willing to put into it. Whether you're the studious type, or a competition junkie, you'll find plenty of opportunities in ham radio. Whether you like to build electronic projects, or tinker with antennas, you can get there.

We'll explore some of those many opportunities in the coming months here in Cutting Through the Static. And if you have questions or suggestions, drop me a line at K5JPP@arrl.net

JP Pritchard, 73, K5JPP

The Radio Hotel Building a Coil-Loaded (short) Dipole

by Rick Hiller W5RH

This is part 2 of a 2 part “cook book” article on designing and building shortened, coil-loaded dipole antenna. I trust you understand the design method outlined in part 1.

Note: find a detailed explanation of the antenna on the BVARC web site Tech Pages – “Building a Coil-Loaded Dipole”

Measuring and cutting the antenna wire and fastening to the insulators and the center balun/coaxial connection is straight forward and typical of what you have done in the past to build a dipole. So, I will not discuss that here. But, I will talk about the loading coils that add a bit of project complexity by 1) figuring the dimensions of the coil to get the required, approximately $L = 38 \mu\text{H}$; and 2) winding the coils and making the coil mechanically stress worthy, so it stays in the air. This part 2 will concentrate on the coil(s).

The coil target value is $38\mu\text{H}$. A nominal value, so $\pm 10\%$ is OK and the difference that causes in the resonant frequency can be easily adjusted by varying the wire lengths when building/tuning the final product. The formula for inductors includes factors for wire size, turns per inch, length of coil and coil diameter. On-line coil inductance calculators make calculations easy (Google them). For this project I chose a 3.3” diameter core, thin wall, coated, pvc drain pipe that works well and does not influence the electrical characteristic of the coils. Nice thing about the 3.3” diameter pvc is that one coil turn is about 1 foot of wire.



As you can see in the pictures, I built 2 coil prototypes. One, large, with #10 insulated – coil was 26 turns at 8 inches long. And, one, small, with 16 turns of #20 magnet wire that was 3 inches long. Each was about 35 to 38 μH , but the #20 coil was smaller and lighter. I was using wire stock that I had in my junk box, so the applicable pickens were slim. The weight of the #10 coil was prohibitive without special, mid-wire, hanging considerations. The #20 coil, being small and light weight, was better but is limited to about 300 watts. (New #14 enameled wire coils will be

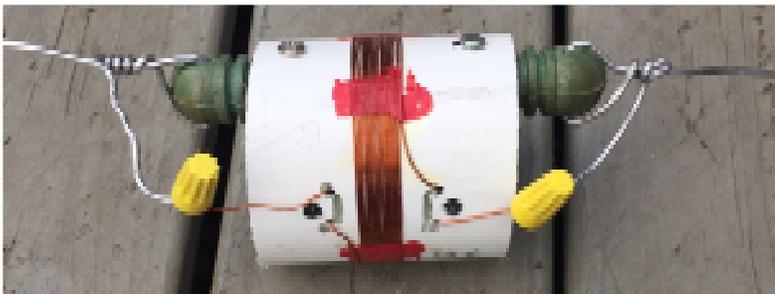
Coil Parts: PVC -- Loews -- 10 foot of PVC drain pipe
Wire – Loews or Home Depot or enameled wire from



(\$10) -- share the extra.
Amazon. 72 feet depending.

I did measure the coil μH values with my AADE L/C correlated very well with the calculator’s results, so calculator’s input values (diameter, wire size, length, turns, required μH ball park.

meter and the result winding a coil based on your etc.) will get you in the



In using the #20 coil, I mounted the pvc coil stock on a long dog bone insulator and configured it as in the picture with temporary wire-nut connections. The antenna can then be put together using the wire lengths in part 1, ensuring good mechanical and electrical connections. I am not a fan of supporting a dipole only at the ends, as the center feed coax weighs heavy on the whole dipole structure. I

like to support the center, as you would an Inverted V, even if the ends are not sloped toward the ground.

Visit the BVARC Tech Pages for the complete build plus K5LJ and K5LKJ articles. 73...Rick W5RH

MINUTES
Board of Directors Meeting
Brazos Valley Amateur Radio Club

August 3, 2019 9:00 AM
Bayland Park Community Center
6400 Bissonnet, Houston, Texas

Board Members Present:

Mike Hardwick N5VCX (President)
Mark Janzer K5MGJ (Vice President)
Jon Noxon KF5TFJ (Rec. Secretary)

Jeff Greer W5JEF (Cor. Secretary)
Donovan Bali KG5BDZ (Treasurer)
Scott Medbury KD5FBA (Directory 2Yr)

Michael Monsour AC0TX (Directory 2Yr)
Visitor
John Chauvin K5IZO

Recorded by Jon Noxon, KF5TFJ Recording Secretary

- 1) Call to Order: The President called the meeting to order at 9:06.
- 2) Establishment of Quorum: A business quorum was established.
- 3) Approval of Agenda: The Agenda was approved
- 4) Club President's Opening Statement: The President thanked those present for attending the meeting.
- 5) Emergency Business: None
- 6) Approval of Minutes from Previous BOD Meeting: The Board approved the minutes for the July 6, 2019 BoD meeting.
- 7) Approval of Treasurer's Report: The Board approved the Treasurer's Report, with an oral explanation of "goof-ups" fby the Treasurer. A glitch requires Randy's assistance to straighten out a QuickBooks issue.
- 8) Corresponding Secretary: (verbal report) Nothing special to report.
- 9) Old Business:

General Membership Meetings scheduled as follows, with topics not listed to be determined:

August 8, 2019 – Ice Cream Social. Daphne and Kelli are co-coordinators. Candidates for ARRL West Gulf Vice Director will be invited to meeting to present their platforms.

September 12, 2019 – ABR Industries (or Candidates for ARRL West Gulf Vice Director)

October 10, 2019 – TranStar field trip.

November 14, 2019 - Chili Supper and club elections.

December 12, 2019 - Home Brew/Makers Night.

Discussion regarding the January Club Awards Banquet.

Status of donations to Stewart (A/C and electrical improvements). Emphasis needed to get Cavalla antennas working. Mobilization party to be determined.

Topics for future meetings.

Raspberry Pi and Linux programming.

SDR radio receivers.

Antenna modeling.

- 10) New Business:

For GHHF, will share FBC Fair Grounds with Innovation-Spark (can not use the term "Maker's Faire" cannot be used due to legal problems. Event tentatively called **Greater Houston Ham Fest and I-Spark Convention**.

- 11) Cost Saving Measures:

Status Continue looking into this on an on-going item.; Storage Locker is the remaining major expenses. Banquet costs will be reduced with selection Sharon Moore to cater the banquet. Suggestion to reduce Beacon issue to bi-monthly discouraged by the President.

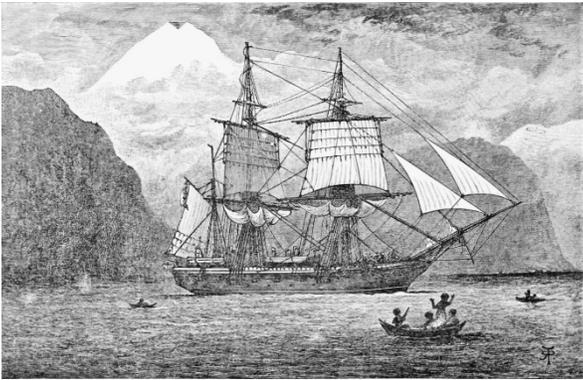
- 12) Next BOD meeting date: Sep7, 2019

Future BoD dates: (all 2019) Oct 5, Nov 9, Dec 7 (Possible conflict with Pearl Harbor Event @ Stewart, if we do it)

- 13) Comments:

- 14) Adjournment: Meeting adjourned at 10:15 am

Where in the World is . . .
Tierra Del Fuego (LU/CE8)
CQ Zones 12, 13 ITU Zone 16
IOTA SA-008



The Land of Fire can be considered the end of the world. It is the roughly triangular archipelago off the southernmost tip of the South America, across the Strait of Magellan. The archipelago consists of the main island, Isla Grande de Tierra del Fuego, and a group of many smaller islands including dangerous, Cape Horn. In the days of sailing ships rounding Cape Horn was deemed particularly dangerous due to the contrasting currents from the Atlantic and Pacific oceans meeting here. During his circumnavigation Magellan discovered the strait

named for him that makes up the northern boundary of the island.

Sir Francis Drake discovered the Drake Passage, the open ocean path between Cape Horn and the South Shetland Islands. History has seen its bravest and best head south over the centuries with a mission to conquer these inhospitable lands. From Magellan to Darwin and Francis Drake, people coming in search of gold, anthropological study and the great unknown have considered Tierra del Fuego one of the most indomitable lands on earth. Later voyages of HMS Beagle in the 1830's with Charles Darwin aboard made numerous discoveries of plant and animal life in the area. The Beagle Channel, named after Darwin's vessel, was discovered to be the southernmost strait between the Atlantic and Pacific oceans.

Tierra del. Fuego is divided between Chile and Argentina, with the latter controlling the eastern half of the main island and the former the western half plus the islands south of Beagle Channel. Europeans first explored the island during Ferdinand Magellan's expedition of 1520; *Tierra del Fuego* and similar names of other places stem from sightings of the many bonfires that the natives built.



Though Tierra del Fuego shares a border between Chile and Argentina, the invisible line has been pretty flexible over the years as the two countries have engaged in turf wars to lay claim to the southern province. It was the last territory in Argentina to be declared a national province, with this status only being bestowed upon it as recently as 1990. Tierra del Fuego was also home to indigenous cultures who controlled the region until the 1870s. And, of course, the notorious Falklands War took place on the Malvinas Islands (Falkland Islands in England) in 1982. Argentina claims that the Malvinas are part of

Argentine territory, while they are internationally recognized as belonging to Britain. Today, petroleum extraction dominates economic activity in the north of Tierra del Fuego, while tourism, manufacturing, and Antarctic logistics are important in the south.



The town of Ushuaia, as well is recognized as the southernmost town on earth. Sail the Beagle Channel and pass by the Lighthouse at the End of the World. Take a trip through the Beagle Channel and pass by the *Lighthouse at the End of the World* (See LU1XS QSL above).

Roads are poor in Tierra del Fuego, and there are no railways. Air services, however link major settlements to Punta Arenas, Chile, and Río Gallegos, Arg. Sea communications are also important; a regular service links Porvenir and Punta Arenas, and naval vessels supply Ushuaia and the Isla Navarino, Chile.

**Reporting from the Dark Side,
Ron, K5HM**



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:

5/13 - 17 - Bill, kg5fqx	6/17 - 14 - Dave, k5ekw	7/15 - 13 - Dave, k5ekw
5/20 - 19 - Dave, k5ekw	6/24 - 25 - Clint, kf5ndf	7/22 - 15 - Clint, kf5ndf
5/27 - 13 - Clint, kf5ndf	6/24 - 25 - Clint, kf5ndf	8/5 - 19 - Dave, k5ekw
6/3 - 11 - Dave, k5ekw	7/1 - 14 - Dave, k5ekw	8/19 - 18
6/10 - 12 - Bill, kg5fqx	7/8 - 18 - Bill, kg5fqx	8/25 - 15 - Clint, kf5ndf

BVARC QUICK STATS

Date	Total Membeship	Newsletters	Life Members
8/27/2019	206	197	71

BVARC Rag Chew Net

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

07/31/19, K5LKJ (NCS), K5JPP, W5TOM, K5IZO/5 (Jasper), W5TKZ, K5WFB (R), N5EKW, W5FJF, KG5VBE, W5VOM (T), W1BG (Katy), AA5OA (Fort Smith, AR) (T), AA0ST (Dickinson), KG5WPE, W5RH. (15 Check-Ins) Solar Cycle 24: SFI = 67, SN = 0, A = 8, K = 2 / Band Rpt: Good

08/07/19, K5LKJ (NCS), K5JPP, K5LJ, K5WFB (R), W5TOM, W5TKZ, AA0ST (Dickinson), W5HFF, W5RH, WA5ANF (T). (11 Check-Ins)
Solar Cycle 24: SFI = 68, SN = 11, A = 12, K = 1 / Band Rpt: Fair

08/14/19, K5LKJ (NCS), W5TKZ, W1BG (Katy), WA5CYI, W5VOM, N5EKW(Katy), WD6CQO (Nederland), K2MPP, KD5CDM. (9 Check-Ins)
Solar Cycle 24: SFI = 66, SN = 0, A = 7, K = 1 / Band Rpt: Poor, Lightning

08/21/19, K5LKJ (NCS), K5JPP, W5RH, KF5WFB (R), W5TOM, K2MPP, W5TKZ, K5LJ, AA5OA (Fort Smith, AR) (T), W5VOM/5, N5QXP, W1BG Katy), WW5PA (T)(Atlanta, GA), KF5EYX, WB4KTF (Austin), KD5CDM, WA5ANF (T), AA0ST (Dickinson), K5TNL. (19 Check-Ins)
Solar Cycle 24: SFI = 69, SN = 0, A = 4, K = 1 / Band Rpt: Good

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

Net conditions have been fair this month. Learn what others are doing.

Come join in the conversation each Wednesday evening. Regards. John K5LKJ

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

Net conditions have been fair to good this month. Learn what others are doing.

Come join in the conversation each Wednesday evening. Regards. John K5LKJ



VE TESTING REPORT

As this issue goes to press, this information is not available. Look for this information in next month's issue
See the back page of this issue for testing information.

Call Mark Janzer, K5MGJ at (832) 875-0526 or eMail: (k5mgj@yahoo.com) to pre-register.



Hamfests

(typically within 200 miles of Houston)

Hamfest info for the next few months. More information at: <http://www.arrl.org/hamfests.html#listing>

10/05/2019 | HamEXPO Fall 2019

Location: Belton, TX

Type: ARRL Hamfest

Sponsor: Temple Amateur Radio Club

Website: <http://www.tarc.org/hamexpo>

10/19/2019 | South Texas Hamfest & Electronics Expo

Location: Sinton, TX

Type: ARRL Hamfest

Sponsor: South Texas Hamfest Association

Website: <https://southtexashamfest.org/>

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. 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 \$25.00 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 amateur radio testing has resumed. It takes place typically on the Saturday before the 2nd 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 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, 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

Newsletter Printing, Assembly and Mailing: Daphne Rawlinson, K5VQY, daphne_rawlinson@hotmail.com.

Cameron Mitchell, K5CAM, k5cam@arrl.net ; Mike Teers, KG5SXG, miketrs@windstream.net

JP Pritchard, K5JPP, jppnews@comcast.net; Esther Pritchard, elop@comcast.net

NOTE: Officers, advertising and eating schedule are on the website. They will only be published in the Newsletter every few months.

VOLUME 43, ISSUE 9

SEPTEMBER 2019

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

FIRST CLASS POSTAGE

**September 12, BVARC General Membership Meeting
September 28 – Forum of candidates for Director ARRL West Gulf Division**



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