



=3401 Ocee, Apt. 302

BVARC BEACON



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

JANUARY 2018

VOLUME 42 ISSUE 1

BVARC JANUARY GENERAL MEMBERSHIP MEETING

By golly there isn't one this month!

It's the annual BVARC Awards Banquet. This year it'll be at Pappadeaux's Seafood Kitchen at 12109 Westheimer, a ¼ mile west of Kirkwood. In addition to great seafood entrees (and chicken if you wish), the featured speaker will be our very own K5JPP, J.P. Pritchard, talking about his career in radio broadcasting. J.P. says there are quite a few anecdotes to let us in on. You'll not want to miss this one.

Get your tickets (\$30 via Paypal) through the BVARC website – click on "Jan.-Award Banquet"

<http://bvarc.org/home/awards-banquet/>



Report on the December General Membership Meeting

The December meeting focused on HomeBrew Night. See the detailed article on this event within this issue.



Museum Ships Weekend – June 2 & 3, 2018

It's not too early to start preparing for Museum Ships weekend. We're tentatively planning a work day for January 20th, at the ships. The Stewart, Cavalla and the Selma are located at Seawolf Park on Pelican Island, in Galveston. We've a list of things to do, and may activate the ships for a bit, as time permits. Watch for details on the email remailer, as the date gets closer. Contact Mark (K5MGJ) to volunteer or for more info at K5MGJ@yahoo.com



Annual Awards Banquet – January 12, 2018

Tickets on sale now at www.bvarc.org

Banquet Tickets for 2018	
Single Ticket \$30.00	Two Tickets \$60.00
Buy Now	Buy Now

Details within.....





Prez Says

Christmas is over and I hope everyone got their Icom IC-7851. If you did get it, I would like to come over and just touch it. With the New Year, hopefully new plans for Brazos Valley Amateur Radio Club will help the club grow. I want to see if we can start/restart in February, the New Hams and New Members night. This was started as a tradition for the club several years ago and I hope we can bring it back. As everyone knows, by bringing in new hams and/or new members, it will benefit the club and help make it more stable. With all the different areas of interests in the amateur radio hobby I feel we can have a place for everyone in the club. The New Member night will also allow someone to learn more about the hobby and if they have just recently received their license, a place to enjoy the hobby. If you know someone like this, bring them to February meeting.

I want to reprint something that was published a few years ago:

*“After the weekday evening swap meet last September, the board and several club members decided that another swap meet would again benefit the club. So on Saturday, March 15th at the Sugar Land community Center, the **2nd Annual Mix & Match Swap Meet** will be held. For future preparation, the entire community center has been reserved for the club on March 13th, 2004 for the swap meet. This will help the club raise money as well as allow club become more active in amateur radio”.*

As you can tell, the beginning of the Hamfest has been a long uphill road. We need people to help with the Hamfest that really did save BVARC. The Hamfest was a positive point for the club and I feel that it can be a positive point for the club again.

Do don't forget the Greater Houston Hamfest is just around the corner on March 16th and 17th. The board of directors have meet and have agreed that it will be a reduced Hamfest in a few areas but everyone should still have a great time. Volunteers are still needed to help with the Hamfest so if you are interested, please contact me.

Don't forget the BVARC Annual Banquet on January 12th, 2018. There is more information in the newsletter but don't forget to get your tickets. They are available on the BVARC web site. Rick Hiller, W5RH, has put together a great banquet for us and I hope to see everyone there.

Museum Ships Weekend at Seawolf Park on Pelican Island takes place on June 2 & 3. See the related article in this issue of the BEACON.

Last but not least, Field Day is just around the corner. Plans are being made for a new location, maybe. If the new location does not pan out, we will be back at the Pecan Grove Volunteer Fire Department. After the Hamfest, there will be a general call for volunteers for Field Day. It will be a quad club field day again and I feel Dave will be back out make his great hamburgers.

So there are many things coming up this year for Brazos Valley Amateur Radio Club. Remember it takes the club members to make the club.

Hope everyone has a great New Year!

73,
N5VCX



The Rookie Round Up

or, Boom Boom, out go the Lights!

Having become a HAM this year and having just finished the Level 1 CW Academy, I decided that I would try my hand at contesting. I've done search and pounce before on a couple of "low key" contests so I decided to "Run" at this contest.

I chose to run around 7.045 and later go to 20 meters if that band opened up. My apprehension level was at an all time high as the minute hand hit 12 noon local. "Bang" CQ, CQ RR de W2OZB. It took a few minutes to get a contact, but after that, I was running well and feeling my oats. Of all the contacts I made, I only asked one to QRS in which he obliged. I was grinnin' like a Cheshire Cat!

One contestant started to step on me about an hour into the contest. I didn't fight him, I just moved up a quarter. That worked, I never missed a beat. I was just about to send a "TU" after a "wordy" contact when "BOOM!" The sound was so loud I thought it was artillery going off! The lights went out, and confusion, fear and consternation resulted in some rather choice wording not fit for public consumption!

My wife was calling HL&P while I went outside to see that the whole neighborhood was without power. HL&P told us that a crew would be out no later than 6pm. My contest was done! Rummaging around my shop I extracted jumper cables and some old Romex that was lying about, figuring I could hook up the cables to my car and run the Romex from the cables to my radio. That was a mistake. XYL on war path. Sheesh! You would think I was trying to burn down the house or something....

Nothing left to do but pull out lawn chairs (it was a nice day), make a martini, have a cigar and watch the show. For some strange reason, two transformers were affected. I think, "was it me?" I did start keying when it went boom! No, fried squirrel was the cause. The crew was done and power on by 6:06 pm. OK, contest over, but boy did I have fun.

A side note, I actually got the nicest QSO card from a contact, encouraging me and commenting on a "great fist" and welcoming a newbie HAM as well as a new CW op. That was really a fantastic motivator. You can't ask for more than that!

From what I can tell, I placed 3rd in Call Area W5 (I gotta look that up) and 7th in single op. I think there were a few "sleepers" in the bunch because the scores were nothing close to a Bell Curve. Also, I must keep in mind I only did the first half of the contest. Not bad for an old "rookie" only starting to learn code 6 months ago!

Bottom line: If you don't know Morse Code, you are missing out folks! Try some!

Phil Bartash
W2OZB



Hopefully, most of you don't remember when this was a dream station.



From the late 1970s: A complete Yaesu station

The Radio Hotel- Patented Antennas

By Rick Hiller -- W5RH

3 types of patents exist within the US Patent Office (USPO) intellectual property system – Utility, Design and Plant. **Plant** is just that – green things that grow. **Design** is the “look and feel” of a product – like the unique shape of a Dodge Charger, for example. **Utility** is where the bulk of the patents are filed. This is where the nuts and bolts of a design, idea or concept are documented. Most antennas fall in this category. At least the ones we are familiar with.

If you would like to investigate patented antennas on your own....*Google* ‘patents’ and the “Google Patent” page will come up. Just put “antenna” into the search engine field and stand back. I just did that and it came up with 91,280 hits. Have fun looking thru all of those. Another search engine is on the **Justia Legal** site <https://patents.justia.com> Just put in a company name like “Steppir” and up pops all of the patents and descriptions for that particular company.

To kick off your search into patented antennas, I have provided a random sampler of a few HF Amateur Radio antennas. You can search for them by putting the patent number into the Google Patent search field. The result offers you the option to view, or even download, the full patent disclosure on how they work. Sweet!

Patent Nos.

Description

1,745,342 and 1,860,123 Hidetsugu Yagi – original patents on the Directional Methods

3,474,453 Whip with adjustable tuning

4,630,060 4,222,053 4,593,289 Butternut Electronics HV-2V, HF-6V etc.

6,677,914 and 8,963,560 Steppir / Fluid Motion All the Steppir basic functions

7,586,462 TAK-Tenna Design

7,999,754 Fractal Antenna Systems

9,065,178 Hi-Q Company’s Loading Coil

And here is the best one of all:

4,642,650 Portable HF Antenna -- Thomas M. Morton (better known as our own W5TOM)

I trust this information is enough to keep you busy for quite awhile, if you are really interested in the fundamentals and methods of physical and electrical antenna design. The more you know, the easier it is to understand how these magical devices function and provide us with the capability to communicate around our city and the world. Enjoy your hobby.

Happy New Year. 73...Rick – W5RH

Next Time – Full Wave Loops – Part 1

*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.*

MINUTES
Board of Directors Meeting
Brazos Valley Amateur Radio Club

December 9, 2017 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)
Scott Medbury KD5FBA (2yr @ Lg Dir)
Keith Stolle KE5ITH(Cor. Secretary)

Donovan Balli KG5BDZ (Treasurer)

Non-voting attendees:

Scott Royall W5RUA (1yr @ Lg Dir Elect for 2018)
Pete Sauermilch KE5KKQ
John Chauvin K5IZO (Parliamentarian)

A business quorum was established.

Recorded by Jon Noxon, KF5TFJ Recording Secretary

- 1) Call to Order: The President called the meeting to order at 9:02 AM.
 - 2) Establishment of Quorum: A business quorum was established.
 - 3) Approval of Agenda: A motion made and seconded to approve the agenda.
 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 November BoD meeting without dissent.
 7. Approval of Treasurer's Report: The Treasurer's Report was discussed and approved.
 8. Old Business:
 - 8a. General Membership Meetings scheduled as follows, with topics not listed to be determined:
 - December 14 Home Brew/Maker's Night. Hosted by KF5TFJ.
 - January 2018 Awards Banquet to be at Papadeaux's Seafood on Westheimer near Kirkwood, 6:30-9:30 on January 12. Speaker has been selected (JP Prichard-30 years in broadcasting).
 - February 8, 2018 Scott Medbury presentation on "International Grid Chase"
 - March 8, 2018 TBD
 - April 12, 2018 TBD
 - Suggestion for meeting topic consideration: a hands-on construction activity such as soldering class or simple build. K5IZO commented on lack of clarity of Program Chair; he will follow up after consulting club By-Laws. Also discussed was a possible "Skype" presentation by someone not in physical attendance.
 - 8b. Mark Janzer discussed contact made regarding donations to the Undersea Warfare Center in support of Museum Ships activities. Donation of A/C and needed electrical rework in the Cavalla radio room discussed. Possible work day in January.
 - 8c. Open Item: Status of any actions resulting from August BOD meeting regarding Emergency Business (people locked in sub)
9. New Business:
 - 9a. Planning for 2018 Museum Ship's Weekend discussed.
 - 9b. Planning for 2018 ARRL Field Day discussed. Scott Medbury to chair FD again in 2018. Duhacsek Park discussed as possible location.
 - 9c. Hamfest BoD up/down discussion regarding 2018 GHHF. Various options debated in consideration of resources available to support the Hamfest. Motion made to continue with GHHF made, seconded and passed.
10. Next BOD meeting date:

January 6, 2018
11. Comments: Nothing of substance
12. Adjournment: The meeting was adjourned at 10:29 AM.



BVARC Historical Vignettes – B-VARC or BVARC Revisited

Allen Mattis N5AFV, Club Historian

Some of you who are long time BVARC members may remember the 2004 controversy about the club changing its acronym from B-VARC to BVARC. Various stories circulated about how the hyphen appeared in B-VARC. One version of how the acronym B-VARC developed, as told to me years ago by a number of the founding members, was that it had to do with the pronunciation of B-VARC. Without the hyphen, people would pronounce it “buhvarc” instead of “beevarc”, and I was told that the Board of Directors voted to put the hyphen into the name of the club so that it would be pronounced “beevarc”. The newsletters available to me from the early days of the club tell a somewhat different story.

The first newsletter of the Brazos Valley Amateur Radio Club (Vol. 1, No. 1) was published in March 1978, and it referred to the club as BVARC. In fact, all of the newsletters available to me from 1978 through February 1980 use the acronym BVARC. In August 1980 Stu Lamkin WB5IGG assumed the position of newsletter editor. Stu wrote a rather strong editorial in his first newsletter.

From August 1980 newsletter (Vol. 3, No. 2 (we think!), Stu Lamkin WB5IGG editor):

SURPRISE! SURPRISE! SURPRISE!

Ever since the Club started we've agreed it would be beneficial to have a monthly news publication to keep us informed about Club activities, and especially absentee members about Club happenings and plans. Efforts to produce such a publication have been consistently thwarted by the non-receipt of such information from Club members.

From now on, there'll be a mailing every month to all members – if only a dime (formerly penny!) postcard meeting notice; but we'll promise that with cooperative help on reproduction at no charge to the Club, there'll be a Bulletin every month mailed before the meeting.

Incidentally, the name of this publication is one of our own fabrication without any collaboration or appropriation by anyone. If you don't like or have a better one to offer, let us have your suggestion and we'll consider changing the name. Until then, it'll be the B-VARC BULLETIN.

Thus it appears that newsletter editor Stu Lamkin WB5IGG introduced the hyphen into B-VARC. It is likely that the pronunciation explanation given to me by some of the founding club members was Stu's reason for putting the hyphen in B-VARC. The naming of the club's newsletter as the B-VARC BULLETIN apparently led to also using B-VARC for the club acronym.

From time to time there has been a story circulating among BVARC members that early club newsletters did not put a hyphen in B-VARC because the early personal computers used a dash as a control character and not a punctuation mark. The early newsletters, including the August 1980 newsletter where Stu Lamkin introduced the hyphen into BVARC, were all manually produced on typewriters. Erasures and strikeovers in these newsletters are visible proof of the use of a typewriter and not word processing software. Thus the computer dash story is what I would term an urban legend.

At any rate, when the BVARC Board of Directors made the decision to remove the hyphen from B-VARC in 2002, the original acronym of the Brazos Valley Amateur Radio Club was restored to what the club founders had started with.



Annual Awards Banquet – January 12, 2018

Buy your tickets before Jan 10 at www.bvarc.org

Banquet Tickets for 2018	
Single Ticket \$30.00	Two Tickets \$60.00
Buy Now	Buy Now

It is all set! Mark Friday, 1/12/18 on your calendar for the BVARC Annual Awards Banquet. The venue is **Pappadeaux's Seafood Kitchen** 12109 Westheimer (near Kirkwood).

The menu will consist of a starter salad with 4 selectable entre's – Shrimp Brochette, Chicken Breast, Atlantic Salmon and a Sampler Platter (of shrimp, tilapia, crawfish with chicken tenderloins). Dessert is coffee with Vanilla Cheesecake or Crème Brulee.

Plus, the entertainment for the evening, besides the awards and the annual slide show will be our own **K5JPP, J.P. Prichard**, talking about his career in radio broadcasting. J.P. says there are quite a few anecdotes to let us in on. You'll not want to miss this one.

We are limited to 70 people, which should handle the normal BVARC crowd. **\$ 30 per person for your dinner**. Special BVARC "drinks menu" purchases will go towards the restaurant's minimum \$'s requirement. Don't worry, a full bar menu will be accessible outside of the BVARC specials.

Should you have any questions call or e-mail Rick, W5RH
Tele: 832-474-3713 rickhiller73@gmail.com





BVARC Rag Chew Net

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

11/29/17, K5LKJ (NCS), W5TKZ, KF5TFJ, W5TOM, KJ5Y (RCS)(W5FMH/club)(Angleton), KD5O, K5LJ, W5VOM, WW5PA (M)(R)(Alpine), W5RH, AF5XL, KC5JAR, KF5OXF (Needville). (13 Check-Ins)

Solar Cycle 24: SFI = 71, SN = 14, A = 8, K = 0

12/06/17, K5LKJ (NCS), KF5TFJ, K5JPP, W5TOM, W5TKZ, K5IZO, K5LJ, WW5PA (M)(Rosenberg), W5VOM/5 (RCS)(Awaho, Hawii), W5RH, AF5XL, KF5PHA, KC5JAR. (13 Check-Ins)

Solar Cycle 24: SFI = 67, SN = 0, A = 29, K = 3

12/13/17, K5LJ (NCS), K5JPP, KF5ONT, W5TKZ, KF5TFJ, W5VOM, WW5PA (M)(Rosenberg), K5LJ, WA5CYI, W5RH, KD5O, KJ5Y (RCS)(W5FMH/club)(Angleton), AF5XL, W5HWZ (RCS)(Hugo, CO).

(11 Check-Ins) Solar Cycle 24: SFI = 72, SN = 13, A = 13, K = 2

12/20/17, K5LKJ (NCS), W5TKZ, KF5TFJ, K5LJ, W5RH, KJ5Y (RCS)(W5FMH/club)(Angleton), W1BG (CW)(Katy), W5VOM. (8 Check-Ins) Solar Cycle 24: SFI = 75, SN = 0, A = 6, K = 1

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

Net conditions have been Fair this month. Stay Active.

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

Regards.

John K5LKJ



BVARC Monday Night Public Service Net Updates

As this issue goes to press, this article is not available.



What is DMR? Part 1

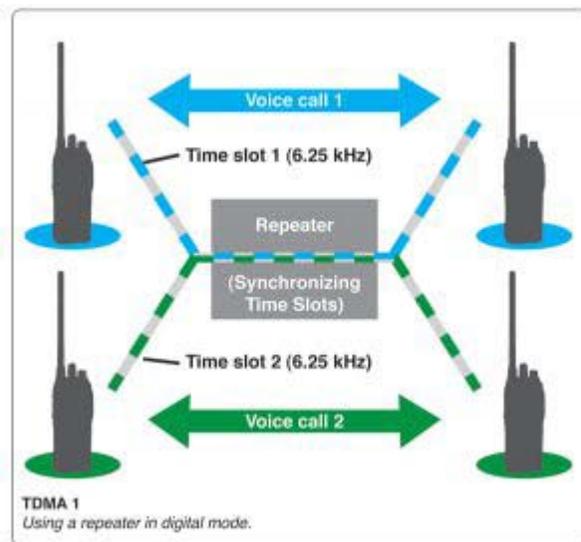
From: www.dmrfordummies.com as submitted by Mike Hardwick, N5VCX

DMR stands for Digital Mobile Radio and uses the Motorola TRBO protocol for communications. Like other digital modes such as D-Star, C4FM and APCO P25, the TRBO protocol converts your voice into a digital form and sends it out via RF (with other bits of information included) and allows you to communicate to other DMR radios and also DMR repeaters, which are networked together around the world via the internet.

What makes DMR stand out from some of the other digital modes is that it utilizes TDMA (Time-Division Multiple Access) to divide a single frequency into 2 distinct “channels” or time slots. By doing this, you can have two conversations going on at the SAME TIME, using one frequency.

Imagine using one frequency while radio A is talking to radio B on time slot 1, and radio C is talking to radio D on time slot 2 ... SIMULTANEOUSLY. Pretty neat, huh?

Here is a nice graphic from Retevis to help visualize and understand what is going on...



Although the graphic above relates to how a DMR repeater works, this same principal applies to using a simplex frequency as well. To make matters a little more fun and complicated, each radio must have a unique Radio ID for digital identification between radios and you can also use Talkgroups to separate traffic and target specific groups of DMR users.

What Is A Radio ID?

A Radio ID is a unique number assigned to you (and your callsign) by the DMR-MARC Team. Like a telephone number or IP address, your Radio ID identifies you as a unique radio user on the various DMR networks and repeaters around the world. We have a TON of information on Radio IDs and how you obtain one will be in next month's issue.

What Is A Talkgroup?

A DMR talkgroup is simply a way of grouping many Radio IDs into a single digital contact. Or put another way, a talkgroup is a method of organizing radio traffic specific to the DMR users that all want to hear the same thing and not be bothered by other radio traffic on a DMR network that they are not interested in hearing.

Part 2 Next Month – ID's and Talkgroups



“If you build it, they will come...”

As reported by Jon Noxon KF5TFJ

BVARC had its very own *FIELD of DREAMS* at the December 2017 General Membership Meeting, with nine “contenders” displaying their home brew/maker projects for the enjoyment of the 33 club members and guests attending this popular event. Our (BVARC) World Champion prize winner, Phil Bartash W2OZB, presented a magnificent Morse straight key, a joy to behold. Phil and his brother had bought and restored a used CNC milling machine, this key being first item made on it. Great workmanship, Phil. Enjoy the fruits of your endeavor, along with the \$100 Gigaparts Gift Card.

Other “contenders” include Rick Hiller W5RH with Phase 1 of his 40 meter Inverted Vee antenna and enhancements. Dave Ely N5EKW presented a coax tester, an aviation headset conversion with PTT, and his own 40/80 Meter Inverted Vee antenna. Pump Fawcett WA5CYI showed off his butterfly R/C aircraft made of foam. Mark Janzer K5MGJ presented a CW Practice Kit for sending and receiving in an Altoids Tin along with a 4W QRP Dummy Load. Extra points for the Altoid Tin project, Mark.

John Parmalee K5VGM showed his progress on an Antenna Range for 144 and 440, along with a cubical quad antenna. We’re hoping for a report on further developments in the near future. Pete Sauermilch KD5QPX showed his Preamp, designed for an aviation headset. Lastly, Don Chance KG5TKW displayed and demonstrated his speaker modification to a MFJ keyer, to increase sound output, along with a homemade paddle made from a hacksaw blade! Watch out, Begali...

Start planning and building YOUR project for the 2018 contest now, so you won’t be muttering “I coulda been a contender”.

Phil's Morse Key (Main photo by John Parmalee K5VGM; Inset by Jon Noxon KF5TFJ)



2018 Officers:

President (2018-2019)
Michael Hardwick, N5VCX
n5vcx@att.net

Vice President (2017-2018)
Mark Janzer K5MGJ
k5mgj@yahoo.com

Recording Secretary
Jon Noxon KF5TFJ
jon@noxon.cc

Corresponding Secretary
Keith Stolle, KE5ITH
keith@ke5ith.com

Treasurer (2017-2018)
Donovan Balli, KG5BDZ
dballi@mail.com

2 Year At-Large Board Member A: (2018-2019)
Jo Keener – KE7NSB
jolkeener25@gmail.com

2 Year At-Large Board Member B: (2017-2018)
Scott Medbury KD5FBA
smedbury@windstream.net

1 Year At Large (2018)
Scott Royall W5RUA
Royall@conchbbs.com

Regularly Scheduled Club Happenings:

General Meeting
Second Thursday each month, 7:30 PM
2511 Eldridge Rd, Sugar Land, 77478, Eldridge Park Conference Center (Check page 1)

Board of Directors Meeting
The Saturday before the 2nd Thursday, 9:00 AM (For Sept., check website)
Bayland Park Community Center
Bayland Park, 6400 Bissonnet, Houston.

Volunteer Examiner Program
At this time, this program is suspended and being reestablished. Please check the September BVARC Newsletter for more information.

Rag Chew Net
3910 KHz +/-3KHz Wednesdays
at 7:00 p.m.

Public Service Net
Monday night on 146.94 (167.9) at 8:00 PM



Advertising in the BVARC Newsletter

Rates are as follows; \$25 per month for ½ page, \$125 for six months and \$250 for one year. The rates for a full page are as follows; \$50 per month, \$250 for six months and \$500 for the year.



BVARC EATING SCHEDULE

SATURDAY MORNING BREAKFAST

IHOP, 7:00a.m., SW Freeway inbound service road, near Kirkwood.

OTHER HAM GROUPS:

WEDNESDAYS – WEDNESDAY LUNCH BUNCH

LUBY'S CAFETERIA, 10:30a.m. to 12:00Noon +, South Post Oak Road, just south of the I-610 Loop in Meyer Park Shopping Center.

WEDNESDAYS – AMSAT & QRP GROUP

PAPPAS BARBECUE. 11:30a.m., SW corner Westheimer & Gessner.



Hamfests

(typically within 200 miles of Houston)

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

01/13/2018 | San Antonio Radio Fiesta 2018

Location: Schertz, TX
Type: ARRL Hamfest
Sponsor: San Antonio Radio Club
Website: <http://w5sc.org>

02/24/2018 | Orange (Texas) Hamfest 2018

Location: Orange, TX
Type: ARRL Hamfest
Sponsor: Orange ARC & Jefferson County ARC
Website: http://www.qsl.net/w5nd/index_files/HAMFEST%20INFO/hamfest%20info.htm
Learn More

03/16-17/2018 | South Texas Section Convention (Greater Houston Hamfest)

Location: Rosenberg, TX
Type: ARRL Hamfest
Sponsor: Brazos Valley Amateur Radio Club
Website: <http://houstonhamfest.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 is being reorganized. Check upcoming newsletters or the BVARC website for developments.

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

Newsletter Printing, Assembly and Mailing: Cameron Mitchell, K5CAM, k5cam@arrl.net ;

Jo L. Keener, KE7NSB, jolkeener25@gmail.com ; Daphne Rawlinson, KT5MR, daphne_rawlinson@hotmail.com Keith Stolle, KE5ITH, keith@ke5ith.com

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

VOLUME 42, ISSUE 1

JANUARY 2018

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

FIRST CLASS POSTAGE

**NO BVARC General Membership Meeting in January. Please attend the Annual Banquet instead.
BVARC Annual Awards Banquet – Friday, January 12, 2018**



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