



# BRAZOS VALLEY AMATEUR RADIO CLUB



AMATEUR RADIO FOR SOUTHWEST HOUSTON AND FORT BEND COUNTY

JUNE 2013

VOLUME 37 ISSUE 6

## BVARC June General Membership Meeting

7:30 PM, Thursday, June 13, 2013

234 Matlage Way, Imperial Park Recreation Center, Sugar Land, Texas

Cursory review of MSWE activities -- Ron Litt K5HM

Field Day outline of club activities, equipment needed, food, logistics, scheduling, etc. – Matt Tatro – K5NGU

Main Presentation – The Technology of Field Day. Matt Tatro and Rick Hiller

This year we will be doing things differently by expanding into new areas of Ham Radio. For one, remote station digital mode operation, with transmitters and antennas in a remote section of the Fire Field property.

We will be doing an 8A (8 main station operation), which means we will have 10 to 12 total stations with GOTA VHF, Satellites, etc. There is a rule that states that all equipment and antennas have to be within a 1000 foot circle. This close in grouping of at least eight 100 watt transmitters, on different bands, on different modes, causes a bit of a problem with stations on harmonic frequencies, of which most of our contest ham bands are. There are methods to minimize this interference, and most times eliminate it all together, with the expedient use of antenna placement, spacing, orientation, feed line choking, power settings, CW keying waveform modification, etc. Rick and Matt will show the thought process and the technical detail in making this all play together. It should make for a very interesting presentation.



### May meeting report

The May meeting was a combination of “to the field” topics with 5 different presenters:

- Greater Houston Hamfest pictures, statistics, and overall results by John K5IZO
- Museum Ships Weekend plans for 2013 by Ron K5HM
- BVARC Field Day plans for 2013 by Matt K5NGU
- Portable Tripod for quick deploy antennas by Rob KC5RET
- A Ginpole / Hazer for a portable mast by Michael AC0TX

While the turnout was only about 45 members, the energized talks and demo of the mast system kept us all busy talking Ham Radio and planning our “to the field” events. Many Thanks to our presenters for a great set of talks!





## President's Corner for Jun 2013 By Kirk Kendrick – KK2Z

### QST...QST...QST...

It's June! Two great operating events occur every June – Museum Ships Weekend (a.k.a. MSWE) and ARRL Field Day (a.k.a. FD). The good news this year is that the chairmen for the two events have decided to join forces and be co-chairmen! Ron Litt K5HM is MSWE chairman and Matt Tatro K5NGU is FD chairman. Contact them to volunteer to operate, provide equipment, help with the setup/teardown, or many other tasks that they need help with.

For BVARC, MSWE occurs at Seawolf Park in Galveston the first weekend in June each year. See the article elsewhere in this newsletter for more details on the event.

BVARC FD this year will be at the Fire Training Field in Richmond. FD occurs on the 4<sup>th</sup> weekend (NOT the last!) in June every year. This year, the Texas DX Society is joining BVARC for a joint FD. Come to the June meeting to learn more about the expanded operating plans for 2013 – BVARC will have antennas the full 1000' apart as allowed by the rules, and will most likely be operating 8A...that means 10 stations concurrently operating!

June is also the month for the Plano Ham-Com – the largest Hamfest in Texas. On June 7-8, many major vendors and lots of amateurs will fill the Plano Center for the event. As of beginning of May, flea market tables were already sold out. That's an earlier sellout than the Greater Houston Hamfest had this year! Plano also has a large number of talks with 4-6 concurrent streams of talks occurring throughout the day. See <http://www.hamcom.org/> for more info.

June is the beginning of hurricane season – don't forget to charge your batteries, prep your generators, and get your emergency supplies and radio ready. Don't be caught without power AND without ham radio!

And, as I remind you each month, join BVARC on the nets every week!

- Mondays at 8pm CST on 146.94 MHz PL 167.9 is the BVARC Public Service net. Announcements about upcoming club activities and other amateur radio related fun.
- Wednesdays at 7pm CST on 3910 kHz (3.910 MHz) is the BVARC Rag Chew net. You never know who will join or where the discussion takes us!

Get on the Air with BVARC!

73 de Kirk KK2Z



## Monday Night NET Updates

Don't forget the Monday Night Public Service Net starts at **8 pm** on 146.94 (167.9). The order of check-ins start 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 any officer of BVARC if you are interested. Here are recent check-ins with control-ops:

2/11 - 33 - Ron, k5hm	3/18 - 34 - Bill, ws5h & Norma, ke5ndn	4/22 - 28 - Pete, kd5qpx
2/18 - 31- Bill and Norma, ke5ndn	3/25 - 32 - Cam, k5cam	4/29 - 30 - Louis, w5dpt
2/25 - 37 - Pete, kd5qpx	4/1 - 39 - Cam, k5cam	5/6 - 28 - Cam, k5cam
3/4 - 35 - Cam, k5cam	4/8 - 32 - Terry, k5pgf	5/13 - 21 - Bill, ws5h
3/11 - 35 - Louis, w5dpt	4/15 - 28 - Ron, k5hm	5/20 - 25 - Ron, k5hm



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## **BVARC Presenters at Ham-Com in Plano June 7 and 8**

At the Plano, Texas Ham-Com hamfest on June 7 and 8, BVARC will have 2 club members as presenters. Come on up to north Texas and support these speakers.

Saturday at 9AM Rick Hiller-W5RH -- THE G5RV ANTENNA SYSTEM -- AN ANALYSIS  
(THE TRUTH, THE WHOLE TRUTH AND NOTHING BUT THE TRUTH.....  
SO HELP ME, LOUIS VARNEY)

Ham-Com, the largest hamfest in Texas, has a large slate of presentations on various ham radio topics, a large flea market and many commercial vendor exhibits.

Visit their web site to see all the details at [www.ham-com.org](http://www.ham-com.org) Download their PDF brochure.



## Museum Ships Weekend 2013

In our 6th year of participation in this event, the MSWE program is expanding.

I want to thank Bill Stone, WS5H who guided the KK5W MSWE participation for the last five years. He laid the groundwork for what we are doing this year. So, a big thank you to Bill.

Here are some of the new and expanded things this year.

We have a special BVARC website, [www.bvarcmswe.org](http://www.bvarcmswe.org) where you can get news about what is happening, and where you can sign up to participate. If you are planning to come to Seawolf Park, please sign up on the web site. Click the Volunteer Tab and complete the form. In the Comments section, please add the time you will be on site and what you wish to do, operate, help with set up, etc.

Due to the proximity of Museum Ships and Field Day (less than 1 month), Matt Tatro and I joined forces to work MSWE and Field Day jointly. This allows us to use the MSWE event as a tune up for Field Day. Things we learn that work or don't work will be applied to the club's Field Day effort.

Our official operating times are May 31st 7 PM to June 2nd 7PM local time. In reality we will likely close down after the Sunday VHF net at 2 PM Local.

We need helpers to set up antennas on Friday afternoon and helpers to tear down on Sunday afternoon. Set up will commence approximately at 2 PM Friday.

The Vessey Family (N5NYV, K5SFV, KF5QNO) will be cooking Saturday AM breakfast at the park. Don't miss it.

If you are new to special events, if you are a newly licensed amateur, if you don't have full access to HF privileges, MSWE is your opportunity to get on the HF bands. Plan to come down to Seawolf Park, even if it is only for a few hours and see another dimension of amateur radio.

On Saturday, the satellite and balloon launch team will be active. There will be four satellite passes over Galveston on Saturday, June 1st. If you have never seen or heard a satellite QSO, This is your chance.

In between satellite passes, we will be launching a balloon(winds and weather permitting), with APRS Trackers and a 10 meter repeater. This is something that you don't see everyday. Have you ever tried working a repeater contact, when the repeater is moving?? This is a first anywhere for museum ships.

HF operations will be centered in four places. In addition to the two HF stations operating from the Museum Ships radio rooms, we will also have two HF stations operating from the picnic shelters nearby. So there is plenty of opportunity to get on the air from the park and take part.

You can stay over aboard the ships at night and work the radio rooms all night. We will also be operating at night from the picnic areas. This is first for BVARC. There are some special conditions for nighttime operating. Please contact me for more details.

This year, we will be using computer logging exclusively. With the number of QSO's anticipated, transcribing paper logs is just not practical.

Last year with a record 1,300 Q's transferring paper logs was a tedious and difficult task. Not everyone has legible handwriting and not all the information required for a valid QSO was provided. This year we are setting a goal of 2,000 Q's for MSWE 2013. Computer logging is the only way to go.

Logging software this year will be N1MM Logger. This is the same system that we will be using for Field Day. Here is your chance to get comfortable with it before Field Day.

N1MM Logger is extremely user friendly, with fewer keystrokes and dat entry fields. A printed tutorial will be available on line shortly.

Please contact me at [mswe@bvarcmswe.org](mailto:mswe@bvarcmswe.org) with any questions or suggestions.

73,  
Ron, K5HM  
[k5hm.ron@gmail.com](mailto:k5hm.ron@gmail.com)  
[www.qrz.com/db/k5hm](http://www.qrz.com/db/k5hm)

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## Results of the May 14th BVARC Amateur License Examination Session by: John Moore, KK5NU

B-VARC sponsored and administered the ARRL's Amateur Radio License Examination session that was held on Tuesday, May 14, 2013 at HCC's Scarcella Science & Technology Building here in Stafford, TX.

### MEMBERS OF THE VE TEAM:

Jeffrey Fussell, KD5VGE  
Larry Jacobson, K5LJ  
John Koppenhaver, N0BNA  
John Moore, KK5NU  
George Ontko, KM5VP

One examination element was administered during the evening to one applicant. One new Technician class license 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:

Jeremiah L. Vaca - {KF5VRV} - Technician

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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## Field Day

Field Day is an annual [amateur radio](#) exercise, widely sponsored by [IARU](#) regions and member organizations, encouraging [emergency communications](#) preparedness among [amateur radio operators](#). In the United States, it is typically the largest single emergency preparedness exercise in the country, with over 30,000 operators participating each year.

Since the first ARRL Field Day in 1933, radio amateurs throughout [North America](#) have practiced the rapid deployment of radio communications equipment in environments ranging from operations under tents in remote areas to operations inside [Emergency Operations Centers](#) (EOCs). Operations using emergency and alternative power sources are highly encouraged, since electricity and other public infrastructures are often among the first to fail during a [natural disaster](#) or [severe weather](#).

To determine the effectiveness of the exercise and of each participant's operations, there is an integrated [contesting](#) component, and many clubs also engage in concurrent leisure activities (camping out, cookouts, etc.). Operations typically last a continuous twenty-four hours, requiring scheduled relief operators to keep stations on the air. Additional contest points are awarded for experimenting with unusual modes, making contacts via satellite, and involving youth in the activity. **Source (Wikipedia)**



This year's field day for BVARC will be on June 22<sup>nd</sup> and 23<sup>rd</sup> at the Richmond Fire Training Facility, thanks to Dennis Harper (KC5QDN) and others making this possible. As the above quote from Wikipedia mentions field was started in 1933 and is the largest emergency preparedness exercise in the country. A skill we all hope we will never need but a skill some of us have had to use in the past. We acquire these skills by participating in field day every year, setting up the generators, antennas, cables, power supplies and rigs. Operating for extended periods of times and trying to make as many contacts within the U.S. as possible with other field day stations.

There is of course a whole part to field day – a very different part. Field day not only promotes the emergency component and the competition, but also QRP (low power communications), GOTA (Get On The Air) for new Hams, alternative energy for transmission, such as solar or wind generated power and satellite operations. For many club members and guests in particular, this will be the first time they see these different operating modes, have actually setup an antenna, used only generator power to operate a station or have met some of the club members they speak to on their daily commute using the repeater.

### New in 2013

In 2012 we invested in the infrastructure at the fire field, installing cable pass-through's to make our life easier. Also new in 2013 we will add some more capacity for PSK and RTTY using remote rigs on the premises so that we can work in the main building and not interfere with other modes/bands. RTTY and

digital modes also count as 2 points per contact, the same as RTTY.

Also new this year:

**TDXS and BVARC are teaming up for field day.**

Field will continue to operate under KK5W but the GOTA station will use the TDXS callsign, K5DX. We look forward to this cooperation and welcome all members from both clubs to join.

Another change in 2013 is the use of N1MM for logging. If you are not familiar with this logging software, please download it and have a look. The software is easy to use and preferred by most contest operators for its simplicity.

The board has also authorized us to purchase a new triplexer with the filters which will enable 3 simultaneous rigs on 10, 15 and 20 using the same antenna. In response to last year's great participation and the clear lack of available rigs, even during night time hours, we will try our best to:

1. Expand rigs, bands and modes
2. Try to work on the schedule a bit better





Field day is the one time a year club members can actually support the efforts of field day in many ways and gain some valuable experience in the process. Field is completely self-organized by BVARC and relies on us only to make the event happen. Take this opportunity to operate on HF or VHF, CW, SSB, FM, RTTY, PSK or other modes, especially during the overnight hours when some of the bands are generally at their best.

Many of the members that will be at field day have many years of experience in our great hobby and are more than willing to share their knowledge with us new hams.

Our field day will start promptly at 1PM on Saturday, June 22<sup>nd</sup> and will hopefully continue without interruption for 24 hours. We will be cooking a great BBQ dinner on Saturday (details to follow) and club members and their guests are invited.

We still need operators, help with setup on Friday after 4PM, setup starting Saturday at 7AM and teardown Sunday after 1PM. We can of course always use donations for food, drinks and other items that are needed as well, but most of all please take the time to come to the field day and share in this unique yearly event.

Please contact Matt Tatro, K5NGU ([matttatro@gmail.com](mailto:matttatro@gmail.com)) directly if you feel the urge to help – many do and nobody should be disappointed.



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## Minutes (revised) of May 2<sup>nd</sup>, 2013 Board of Directors meeting of the Brazos Valley Amateur Radio Club:

Kirk Kendrick called the monthly Board of Directors meeting for the Brazos Valley Amateur Radio Club to order at 7:00 PM on May 2<sup>nd</sup>, 2013 at Fuddrucker's, 11445 Fountain Lake Drive, Stafford, TX. Attending were; Kirk Kendrick, KK2Z (Pres.); Bob Tomlinson, N5JSL (Cor. Sec./Treas.); Peter Sauermilch, KD5QPX (Rec. Sec.); Ron Litt, K5HM (2yr At-Large Dir. & Radio Sport); Travis Burgess, K5HTB, (1yr At-Large Dir.); David Barber, K5NDB (1yr At-Large Dir.); Eddie Runner, NU5K (Webmaster); Cameron Mitchell, K5CAM; John Chauvin, K5IZO (Newsletter Editor); Bill Stone, WS5H; Norma Stone, KE5NDN; Rick Hiller, W5RH; Jerry Muller, KF5EYC; and Ross Lawler, W5HFF, Mark Lawler.

1. Minutes for the April 2013 meeting were approved as previously distributed by email and as appears in the May 2013 newsletter.
2. Treasurer's Report was presented to and accepted by the Board.
3. Radio Sport: Events are posted on the BVARC Website and listed in the May Newsletter.
4. VP Report:
  - 4.1. May: Kendrick summarized. Chauvin will review Hamfest, Tatro will preview Field Day, and Litt will preview Museum Ships Weekend.
  - 4.2. June: Hiller summarized. There will be a Museum ships review, Field day final planning, and a Technical presentation, "Technical Aspects of Field Day".
  - 4.3. July: Hiller summarized. There will be picture shows of BVARC at Museum Ships Weekend and Field Day.
5. Old Business:
  - 5.1. Permanent Home Committee: Chauvin, the committee is now active again. Next couple of months should have a proposal.
  - 5.2. Museum ships: Litt had a meeting with American Undersea Warfare Center (AUWC) and park personnel. He presented to the AUWC a plan document. AUWC indicated that everything we want is available. Some details remain unresolved but are not considered critical. Current plans include staying overnight in the park and a transponder and repeater equipped balloon launch on Saturday. The QSL card has been redesigned. Printing cost is \$100 per thousand. AUWC will furnish envelopes, use of their bulk-mailing permit, and include their brochure with our QSL card mailing. The Galveston Park Board will volunteer their media person to help package publicity. We will be adding the N1NM logger on event computers. Litt suggested that we should make a donation to AUWC. Stone expressed concern that AUWC mails QSLs in a timely manner. Litt asked for a budget of \$1,100; \$600 event expense, \$300 AUWC donation, and \$200 contingency cash (to be returned if unused). Motion made, discussed, and passed.
  - 5.3. Field Day: Tatro not present. Stone reported that the Texas DS Society (TDXS) has been invited and accepted invitation. TDXS will make a donation to BVARC to defray expenses. The GOTA station will use the TDXS call, K5DX. Muller will not be at Field Day so we need another a Safety Officer for the event.
6. New Business: Litt asked BVARC donate to the Texas Ham PAC as suggested in the email/list-server from Brier. Discussion followed, summarized by the statement; "This has come up before and the decision at the time was that donating to a PAC was in conflict with the club 501(c)(3) status". Discussion ended with no formal action but with the informal decision not to involve BVARC in PAC donations.
7. Meeting adjourned at 7:42 PM.

Submitted by Recording Secretary, Peter Sauermilch, KD5QPX



# BVARC Historical Vignettes – BVARC Public Service Honor Roll

Allen Mattis N5AFV, Club Historian

A previous Historical Vignette discussed public service events in BVARC's early years and how BVARC's rich history of public service activity developed. Our club was formed in 1977 and by early 1981 members were already working public service events. The club leadership decided to make public service events a significant part of the club's activities. In the May 1983 B-VARC Bulletin edited by Stu Lamkin WB5IGG a new column appeared entitled "B-VARC Public Service Honor Roll." This honor roll listed the names of BVARC members who worked various public service events, and the BVARC Board of Directors felt that this recognition would encourage other members to participate in this activity.

B-VARC BULLETIN -9-  
May 1983

This issue inaugurates a new standing feature of the B-VARC BULLETIN -- the B-VARC PUBLIC SERVICE HONOR ROLL. The Honor Roll will document the participation of Club members each year in activities which provide a service to the public. This first publication represents as complete a compilation as possible and may be incomplete. If anyone has participated in any of the events listed, or in a similar event which can be classified as a civic event (which would include disaster emergencies) and you are not on the Honor Roll, please inform Harold Parker ND5F, Special Service Club Coordinator.

\* \* \* \* \*

EVENTS

A. Houston Marathon, Jan. 16	F. Galveston Rainbow Festival, Apr. 15,16
B. Bayou City Fun Run, Mar. 19	G. Ft. Bend March of Dimes Superwalk, Apr. 24
C. Houston Festival, Mar. 19,20,26,27	H. Houston March of Dimes Walk America, Apr. 24
D. Bellaire Fun Run, Mar. 27	
E. Reeking Regatta, Apr. 9	

\* \* \* \* \*

HONOR ROLL

Dick Hagerman WB5SRN - A,B,C,E,G	Mark McGrath KA5NYI - D
Harold Parker ND5F - A,B,D,F,G	Vic LaRocca K5KNH - D
Stu Lamkin WB5IGG - A,D,G	Barry Brubaker N5FAB - D
Jay Maynard K5ZC - A,B	Ken McAninch KA5DKS - D
Ed Truitt KD5JC - A,G	Ed Harwell W5WVX - G
Mike Armatta N5APC - B,H	Ron Bolyard KA5GYG - G
Lloyd Phelps WD5HEH - D,G	Cathy Schneider KA5BNC - G
Steve Gottlieb WA5OEN - D,G	Mark Schneider WB5RDK - G
Larry Levy WD5DRB - D,G	Irene Gordon N5AYX - H
Bob Spradling W5UBD - C	Hy Gordon NC5A - H

\* \* \* \* \*

All right, all Club members, let's get on the Honor Roll and keep moving up on it! It'll be hard to overtake ole Dick WB5SRN, but let's go after him and see how many we can pass on the way up!!

The Public Service Honor Roll appeared in the BVARC newsletter for many years but was dropped from the newsletter in early 1995 at approximately the same time a new editor was appointed. The last complete Public Service Honor Roll was for the year 1994 and it took up 1 ½ pages in the newsletter. It is not known whether the club was unable to find someone to compile the Public Service Honor Roll or whether the Public Service Honor Roll had grown so large that it took up too much space in the newsletter. What we do know is that the Public Service Honor Roll served its intended purpose and is now part of our club's history.



## THE BVARC Rag Chew Net May Check-ins

05/01/13, K5LKJ (NCS), W5TKZ, KF5TFJ, K5LJ, W5HFF, N5DTT, N5CPA, WS5H, WB5VYR, K5NDB, KF5PHA, K5IZO, KE5OBY, AA0ST (Dickenson). (14 Check-Ins)

Solar Cycle 24: SFI =154, SN = 165, A = 7, K = 3

05/08/13, K5LKJ (NCS), W5HFF, W5TKZ, W5CQG (Milam), N5AFV, AF5T, WA5CYI, K5LJ, N5CPA, KE5OBY (R), N5DTT, KF5TFJ, KJ5SS (San Angelo)(R), K5NDB, WS5H.

(18 Check-Ins) Solar Cycle 24: SFI = 129, SN = 118, A = 10, K = 2

05/15/13, K5LKJ (NCS), KC5JAR (Katy), W5TKZ, W5RH, WS5H, K5LJ, N5CPA, WA5CYI, K5IZO, KE5OBY, N5ASH (El Campo), N5DTT, AB5V (Magnolia), K0NM, K5NDB, W5TOM, KF5TFJ, AA0ST (Dickenson), AF5T, VK2AJB (R)(Sidney, Australia), K5WRN.

(21 Check-Ins) Solar Cycle 24: SFI = 148, SN = 142, A = 8, K = 2

(M) = mobile (P) = Portable (R) = Relay (T) = telephone check-in

Come join us each Wednesday. Regards. John K5LKJ



## Looking at the Numbers On a Matched Transmission Line by Rick Hiller – W5RH

The coax / transmission line typically used in a Ham Radio station installation has a nominal characteristic impedance of 50 ohms. This is a given, as it comes that way from the manufacturer. But there are two more entities that occur on the coax when getting power to the antenna. Voltage and Current. So, what are the Voltages and Current on a typical coax going from the transmitter to the antenna? It's all just Ohm's Law.

Ohms Law: Voltage-E equals Current-I times Resistance-R  $E=I R$

Power-P equals Voltage-E times Current-I  $P=E I$

A small amount of reconfiguring, we can find Voltage and Current from known Power and Resistance.

$P=E I$  therefore  $P=I R I$  or  $P=I^2 R$  So, for a given Power level the Current-I  $I = \text{sq rt}(P/R)$

Then: for Voltage-E  $E = I R$  All of this being pretty straight forward math.

[Note: We'll look at only matched/resonant lossless conditions (no antenna tuners, zero / minimal reactance with no resistive loss) within the antenna system. Matched conditions – mean that the transmitter output Z is designed for 50 ohms; coax Z is 50 ohms; and the antenna feed impedance is 50 ohms. Adding reactance (non-resonance) equates to higher voltages and in extreme case very high voltages. High enough to breakdown coax, kill output PA transistors, etc.]

For example:

With these equations **100 watts** into **50 ohm** coax produces:

Current-I  $I = \text{sq rt}(100/50)$  or  $I = \text{sq rt}(2) = 1.41$  amps

Voltage-E  $E= I R = 1.414 \times 50 = 70.7$  volts

With that: I have derived the following chart listing the Wattage Amperage and Voltage on a matched system's coax.

Watts (W)	1	10	25	50	100	200	500	800	1000
Amperes(A)	.141	.45	.707	1	1.41	2	3.1	4	4.4
Volts (E or V)	7	22	35	50	70.7	100	158	200	223.5

Now you know, for a particular power level, what potential RF voltages and currents you are dealing with on your antenna system's coax. Plus, you can also see how to calculate their values if you are using a different power level than the samples shown. Be careful, it is RF. Safety First (last and always). Enjoy your hobby.....73... Rick – W5RH

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**2013 Club Officers:**

President:  
Kirk Kendrick, KK2Z  
[kmkendrick@gmail.com](mailto:kmkendrick@gmail.com)

Vice President:  
Terry Leatherland, W5PGF  
[k5pgf@yahoo.com](mailto:k5pgf@yahoo.com)

Corresponding Secretary / Treasurer  
Robert Tomlinson, N5JSL  
[rbtswim@gmail.com](mailto:rbtswim@gmail.com)

Recording Secretary:  
Pete Sauermilch, KD5QPX  
[kd5qpx@arrl.net](mailto:kd5qpx@arrl.net)

2 Year At-Large Board Member A:  
David Barber, K5NDB

2 Year At-Large Board Member B:  
Ron Litt, K5HM  
[k5hm.ron@gmail.com](mailto:k5hm.ron@gmail.com)

1 Year at Large Board Member  
Travis Burgess, K5THB  
[travburg1@sbcglobal.net](mailto:travburg1@sbcglobal.net)

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**Club Happenings:**

General Meeting

Second Thursday each month, 7:30 PM  
Imperial Park Recreation Center,  
234 Matlage Way.

Board of Directors Meeting

First Thursday of each month, 7:00 PM  
Fuddruckers, just South of the Fountains  
Shopping Center on US 59 outbound..

Volunteer Examiner Program

BVARC administers Amateur License Exams  
on the 2nd Tuesday of each month at the HCC  
Scarcella Technology Campus, 10141 Cash Rd.  
in Stafford.

Contact John Moore, KK5NU  
[jwm@hal-pc.org](mailto:jwm@hal-pc.org)

Eating Schedule

See in adjacent column.

Rag Chew Net

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

Public Service Net

Monday night on 146.94 (PL 167.9) at 8:00 PM



## BVARC EATING SCHEDULE

### SATURDAY MORNING BREAKFAST

59 DINER, 7:00a.m., SW Freeway outbound service road,  
near Kirkwood.

NEW YORK COFFEE & BAGEL SHOP, 7:30a.m., 9720  
Hillcroft.

### 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

(within 200 miles of Houston)

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

### **June 7 & 8, 2013 Ham-Com West Gulf Division Convention**

**Location:** Plano Centre

2000 East Spring Creek Parkway, Plano, TX 75023

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

**Talk-In:** 147.18 (PL 107.2)

### **07/13/2013 | Texas City, Tidelands Hamfest**

**Location:** Texas City, TX

**Type:** ARRL Hamfest

**Sponsor:** Tidelands Amateur Radio Society

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

### **08/02/2013 | Texas State Convention (Austin Summerfest)**

**Location:** Austin, TX

**Type:** ARRL Convention

**Sponsor:** Austin Amateur Radio Club & Texas VHF-FM Society

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





Monthly Publication of the Brazos Valley Amateur Radio Club.  
Serving Amateur Radio for Southwest Houston and Fort Bend County  
Club Call sign – KK5W  
BVARC Website: <http://www.bvarc.org>  
Editor: John Chauvin, K5IZO, [k5izo@yahoo.com](mailto:k5izo@yahoo.com)  
Production Team: Cameron Mitchell, K5CAM, [k5cam@arri.net](mailto:k5cam@arri.net)

**Brazos Valley Amateur Radio Club (BVARC)** was organized in 1977, primarily as an emergency communications group available to assist the communities of Missouri City and Stafford when required. Since that time, **BVARC** has grown and expanded its activities to become the most active amateur radio club in the Southwest Houston and Fort Bend County area. BVARC is a Non-Profit Corporation classified by IRS as 501-(c)-(3).

Today **BVARC** is truly a general interest amateur radio club with an impressive record of public service. The American Radio Relay League (ARRL) has recognized the club's commitment of service with the coveted status of Special Services Club. We are proud of our members who represent some of the finest in amateur radio. Membership is not limited to licensed operators, but is open to anyone with an interest in amateur radio. Club meetings are held on the 2nd Thursday of each month at 7:30 p.m. at **the Imperial Park Recreation Center, 234 Matlage Way.** . General membership dues are \$20.00 per year, with student dues \$10.00 per year, additional family members \$2.00 per member per year and life membership \$200.00.

**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 Scarella 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 281-342-3340 or [w5hff@yahoo.com](mailto:w5hff@yahoo.com) or see the BVARC website: [www.bvarc.org](http://www.bvarc.org)

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

**FIRST CLASS POSTAGE**

- Museum Ships Weekend, Friday, May 31 – Sunday, June 2
- BVARC General Membership Meeting – Thursday, June 13, 7:30 PM
- Field Day – Saturday and Sunday, June 22 & 23

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