



BRAZOS VALLEY AMATEUR RADIO CLUB



AMATEUR RADIO FOR SOUTHWEST HOUSTON AND FORT BEND COUNTY

JULY 2013

VOLUME 37 ISSUE 7

BVARC July General Membership Meeting

7:30 PM, Thursday, July 11, 2013

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

The July meeting will be a fun time of stories and recap of the June 22/23 Field Day event.

The remaining 2013 BVARC meetings will follow this agenda path, with plenty of room for flexible additions of relevant contribution from you:

- July- Field Day recap ;
- August- Annual Ice Cream Social ;
- September TX QSO party logistics;
- October - Open topics ;
- November Chili Supper and general 2014 elections.
- December – Homebrew night



June meeting report

Matt Tatro presented the detailed plans for the upcoming Field Day, including some of the technologies, antenna placement, facilities and other aspects. Ron Litt gave a short presentation of what took place at the Museum Ships Weekend.



Rescheduled Board of Directors Meeting

Due to the 4th of July holiday, the monthly Board of Directors Meeting has been rescheduled for Wednesday, July 10, 7PM, Fuddruckers, 11445 Fountain Lake Drive, Stafford, TX.



President's Corner for July 2013

By Kirk Kendrick – KK2Z

QST...QST...QST...

After many months of preparation, BVARC's two premier operating events that occur every June are over – Museum Ships Weekend (a.k.a. MSWE) and ARRL Field Day (a.k.a. FD). Ron Litt K5HM (MSWE chairman) and Matt Tatro K5NGU (FD chairman) did an outstanding job of finding volunteers, expanding our horizons with new setups, and truly went the extra mile to deliver very vibrant operating opportunities for everyone new and old. A special thanks to Bill WS5H -- the TDXS FD Chairman -- for helping orchestrate a joint field day between the two clubs.

I won't go into details on what happened at the two events -- that is the topic of the July general meeting on July 11th. Of course, if you are unable to make the meeting, please look at the articles in the club newsletters that will explain most of the events.

Now that the heat of the Texas Summer is on, don't forget to come to annual BVARC Ice Cream Social at the August general membership meeting. Nothing special -- just lots of calories and conversation!!

The next big operating event for BVARC is the Texas QSO Party -- held the last weekend in September. To help us get ready, the September general membership meeting will be presented by Kieth Dutson NM5G -- the Texas QSO Party Chairman. BVARC for the last 4 years has had at least one team operating mobile...traversing 20-40 counties over the two day event. This year, we will have at least 2 or three mobile teams! In addition, many, many Texas hams operate from their home operating positions -- talking to other Texas hams! Of course, you also get points for talking to people from other states, provinces, and DX entities....but the goal is to make a contact to all 254 counties!

We are in 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:

3/18 - 34 - Bill, ws5h & Norma, ke5ndn	4/22 - 28 - Pete, kd5qpx	5/27 - 21 - Pete, kd5qpx
3/25 - 32 - Cam, k5cam	4/29 - 30 - Louis, w5dpt	6/3 - 36 - Cam, k5cam
4/1 - 39 - Cam, k5cam	5/6 - 28 - Cam, k5cam	6/10 - 26 - Willard, kd5eka
4/8 - 32 - Terry, k5pgf	5/13 - 21 - Bill, ws5h	6/17 - 27 - Ron, k5hm
4/15 - 28 - Ron, k5hm	5/20 - 25 - Ron, k5hm	6/24 - 24 - Pete, kd5qpx



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Results of the June 11th 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, June 11, 2013 at HCC's Scarcella Science & Technology Building here in Stafford, TX.

MEMBERS OF THE VE TEAM:

Larry Jacobson, K5LJ John Moore, KK5NU
George Ontko, KM5VP Robert B. Tomlinson, N5JSL

Six examination elements were administered during the evening to four applicants. Two new Technician class licenses were attained, along with two new General class licenses, with the total number of elements passed being 6. The overall "pass rate" for the evening was 85.7%.

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

George M. Eggleston, II	- {KF5WCF} - Technician
Vitaly Koynov	- {KF5WCG} - General
Chad M. Laughlin	- {KF5WCH} - Technician
James K. Robertson	- {KF5WCI} - General

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

..... 73

Field Day - The Movie

It was like a movie. A carefully orchestrated ballet of people, technology and location.

The location: The Fort Bend County Fire Training Facility, a jointly operated school for firefighters throughout the area. Handy too, in case someone let the magic smoke out of their radio, we would have plenty of help.



This year, we doubled down on our effort. Partnering with the Texas DX Society provided additional manpower and some valuable resources including a motor home with a 30 foot crank up tower and a log periodic antenna

For BVARC and TDXS, it was a technological leap. We operated Class 9A and having that many RF streams in the air at one time took

some coordinating. Hats off to Matt Tatro, K5NGU, the over all Field Day Chairman and to Michael Wrenn, K5WRN, the Antenna King. Careful site planning minimized interference.

Band conditions on all bands and especially 20 meters were good. It seemed to be open all night. Perhaps Cycle 24 redeemed itself a little at Field Day or perhaps it had just as much to do with the number of people around North America that were operating.



Class 9A takes a lot of people to operate that many stations. At times there were easily 45-50 members from both clubs at the site. Operators from both clubs pulled long hours on the HF bands. In addition to the usual stalwarts like Allen, N5XZ John K5IZO, Bill W5SH, we had notable help from TDXS too. Thanks to Earl N8SS, John W5UG. Their night operating helped to squeeze all we could out

We used BVARC's three element Tribander with the new Triplexer. That gave us three bands on one antenna simultaneously. It worked perfectly. The only argument among the three

CW operators was where to point it. "This way; no that way. No leave it alone!"



TDXS member Dave Topp, W5BXX's motor home and Log Periodic was dedicated to Digital operation. Digital mode operations played a major role in Field Day and dedicating a major resource to it paid off. We logged 362 digital Q's, the last one coming on Sunday at 1259 UTC, just under the wire. PSK DX included Australia, Japan, Indonesia and South Korea.



This year we switched logging software to N1MM Logger. The internal data base technology allowed us to capture log entries even when a station was accidentally disconnected from the server. We displayed real time log entries and score on a big screen display. The effort was successful as we were able to easily familiarize operators with the entry and logging screens. The real payoff from N1MM will come in future years when we can begin to utilize some of the advanced features of the system. We set up a local WIFI network to communicate with the W5BXX motor home, located across the field from the radio operations room. Our initial plan was to operate the digital stations in the motor home remotely. Although the WIFI link worked, there were network problems that kept us from being totally successful

The GOTA Station, operating with call TDXS club call, K5DX was prominently located by the front building entrance. Scott McKEE, NT5SM ran the station.

More than 25 Boy scouts attended a Radio Merit badge class, conducted by Hal Fulgaar, N5BXP during Field Day. As part of the merit badge requirement, each scout made contacts using the GOTA station.

For some, including Stephanie Vessey, K5SFV it was their first experience with digital. During Saturday night, she logged over 100 PSK Q's, including one with VK3FD! Not bad for a first time contester. Her husband Nathan, N5NYV had to pry her from the radio at 3 AM, Sunday morning.



A stellar performance was turned in by Scott Royall W5RUA, who worked throughout the night on 40 meter PSK, logging over 60 Q's. Other PSK operators included Matt, K5NGU and Ron, K5HM

TDXS' Bob Menill, WB5IUU, provided the solar bonus using solar cells and battery lash up. We hooked it up to the digital station to provide the requisite 5 Q's for the 100 point bonus.

John, K5LKJ made his first contest CW QSO.

There was plenty of food. Saturday's Kickoff lunch about an hour before the official Field Day start was provided by the Vessey's, Nathan N5NYV and Stephanie K5SFV with burgers and hot dogs all around. A good way to fuel up for the event. Saturday evening BBQ with all the fixin's was provided by Jack Van de Mark, WN5A and crew. The brisket was just the ticket. delicious.

John Stratton N5AUS, Vice Director ARRL West Gulf Division, paid a visit to the site. He stayed for dinner.

Murphy, although he is not a ham, he always seems to be around when things go awry and this year was no exception. We had problems communicating with via the WIFI network. We later traced that to a router problem, which will be corrected next year. Meantime we went to Plan B and ran the digital ops from the RV directly.

The motor home AC was not up to the weather and the generator for the coach did not have enough capacity to run both AC units. As temperatures climbed, it felt like a sauna inside where the 20 meter PSK station was situated. So 40 meter PSK ops were set up under an awning and at night it was actually cooler than inside.

One other generator in the operations area gave out and would not restart. Fortunately we had a spare to replace it.

The final victim to Murphy was my HT, which fell out of my back pocket Saturday evening and seemed lost. On Sunday a firefighter at the training center returned it. It had been dropped in the road and run over by a vehicle. Though the battery case has a large dent in it, the VX-7 radio still works.

It took us two hours to tear down and clean up, even with a great crew. In any case, a good time seemed to be had by all. At least we all went home tired.

Reporting from the Dark Side,

Ron, K5HM



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Is CW Really a Digital Mode? – Really?

That is the question. Many, even the ARRL claim that CW is the original Digital Mode but is that really true?

Some claim it is digital because the rig is either transmitting a binary symbol or it is not. If it is binary, then it must be digital. Really? In CW, the duration of the symbols conveys different meanings. So it cannot be a binary system.

CW is not binary but ternary. It has three symbols. Dit, Dah or “nothing”. In CW, “nothing” has meaning. In fact the duration of “nothing” has different meanings. The “nothing” between a dit and a dah is different than the “nothing” between words in a CW sentence. Those two “nothing”s convey different meanings. In the same way that there are different pauses in speech. Hence it is more like . . . dare I say it, human speech or analog information.

OK, OK. I can hear the comments already. The fact that it is not a binary system doesn't disqualify it as a digital mode. Correct. There have been many digital modes of communication going back into history. Signaling systems that used more than two symbols. Ships at sea used sequences of colored flags or lanterns at night. It wasn't just on or off but the colors and sequence of them that conveyed information. In the Royal Navy, “nothing” had meaning too. “Nothing” might mean you were sunk.

The key aspect of digital communication is synchronization. In analog communication such as human speech synchronization, is typically provided by pauses (“nothing”). Of course, the duration of the pause and the emphasis (all analog characteristics) are very much present in CW transmissions. That is why it is possible to recognize an operator's fist.

CW is not digital for one specific reason - there is no clock to define a state (start or finish), element(sentence or phrase) or symbol (letter or character). CW requires an analysis of a series of symbols to decode the data.

One cannot decode a single dot or dash until you have parsed a series of elements to determine the timing and proportion on the data being send. A single dot is indistinguishable from a single dash until the speed (and actual proportion) of the code being sent. The need to analyze the data stream and then look back to decode the data makes it an analog system.

Digital communications typically use special synchronization sequences. Since digital information is conveyed by the sequence in which symbols are ordered, all digital schemes have some method for determining the beginning of a sequence.

If CW system had an accurate clock it could be a digital mode - but there is no such standard. Likely this is why it is easy to send CW by computer but devilishly hard to read it automatically. Even a skilled operator does not maintain a constant clock rate. It changes with the emotional content of the message, the operator's level of fatigue, whether they are left or right handed and countless other factors.

So, is CW really a digital mode? I think not, although I am sure there are many who would disagree.

Reporting from the Dark Side,
Ron, K5HM



THE BVARC Rag Chew Net June Check-ins

05/22/13, K5LKJ (NCS), W5TKZ, W5RH, WA5CYI/5 (P), K5LBU, K5LJ, N5DTT, AA5OA, W5TOM, W5HFF, K5NDB, N5CPA, KD5CDM, WS5H, KF5PHA, AF5T, KE5OBY, KJ5SS (San Angelo). (18 Check-Ins)
Solar Cycle 24: SFI =125, SN = 119, A = 7, K = 3

05/29/13, K5LKJ (NCS), W5TOM, W5TKZ, VK2AJB (Sidney, Australia)(RCS), K5LJ, AF5T, WA5CYI, KE5OBY, N5DTT, K5IZO, N5CPA, K5WRN, K5NDB, WS5H, KE5HDF, KF5PHA, KC5JAT(T)(Katy), KJ5SS (San Angelo). (18 Check-Ins)
Solar Cycle 24: SFI = 105, SN = 75, A = 8, K = 1

06/05/13, K5LKJ (NCS), W5HFF, W5TKZ, VK2AJB (Sidney, Australia)(RCS), N5DTT, KE5OBY, K5LJ, AA5OA, KF5PHA, AA0ST (Dickenson), N5ASH (El Campo), KE5HDF, KC5JAR (Katy). (13 Check-Ins)
Solar Cycle 24: SFI = 110, SN = 59, A = 10, K = 1

06/12/13, K5LKJ (NCS), W5TKZ, K5LBU, K5LJ, WS5H, AF5T, N5CPA, AA5OA, W5TOM, KE5OBY, VK2AJB (Sidney, Australia)(RCS), K0NM, N5ASH (El Campo), W5HFF. (14 Check-Ins) Solar Cycle 24: SFI = 93, SN = 14, A = 4, K = 1

06/19/13, K5LKJ (NCS), W5TKZ, K5LJ, KE5OBY, WS5H, KF5TFJ, N5CPA, VK2AJB Sidney, Australia)(RCS), AA0ST (Dickenson), AF5T, W5TOM, W5HFF, AA5OA, KD5AT.
(14 Check-Ins) Solar Cycle 24: SFI = 125, SN = 120, A = 5, K = 2

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

Come join us each Wednesday. Regards. John K5LKJ

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

Come join us each Wednesday. Regards. John K5LKJ



Minutes of June 6th, 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 7:07 PM on June 6th, 2013 at Fuddruckers, 11445 Fountain Lake Drive, Stafford, TX. Attending were; Kirk Kendrick, KK2Z (Pres.); Terry Leatherland, K5PGF (V.P.); Bob Tomlinson, N5JSL (Cor. Sec./Treas.); Peter Sauermilch, KD5QPX (Rec. Sec.); Travis Burgess, K5HTB, (1yr At-Large Dir.); Eddie Runner, NU5K (Webmaster); Cameron Mitchell, K5CAM; Rick Hiller, W5RH; John Chauvin, K5IZO (Newsletter Editor); Bill Stone, WS5H; Norma Stone, KE5NDN; Michael Monsour, AC0TX; Jerry Muller, KF5EYC; Matt Tatro, K5NGU.

1. Treasurer's Report was presented to and accepted by the Board.
2. Minutes for the May 2013 meeting were approved as previously distributed by email and appears in the June 2013 newsletter.
3. Old Business:
 - 3.1. Museum Ships Weekend:
 - 3.1.1. Tatro summarized the event operations.
 - 3.1.2. Muller voiced complaints about the two element Yagi. Kendrick requested the Wish List Committee add that to their list.
 - 3.1.3. Tatro opined that the relationship with the park has dramatically improved.
 - 3.2. Permanent Home Committee: Chauvin summarized activity for the last month.
 - 3.3. Wish List Committee: Tomlinson opined that will take the next month to start committee work.
 - 3.4. Field Day:
 - 3.4.1. Tatro reviewed the Kick-Off Meeting.
 - 3.4.1.1. Twenty-five physically attended and eight viewers were on-line.
 - 3.4.1.2. We have all the radios we need.
 - 3.4.1.3. Hiller is checking coax.
 - 3.4.2. Tatro reviewed event finances:
 - 3.4.2.1. We have \$350 in donations with another \$50 anticipated.
 - 3.4.2.2. Tatro reported that he has already spent \$500 for a tri-plexer.
 - 3.4.2.3. Tatro stated that he wants the \$400 of donations (item 3.4.2.1 above) to be spent for Field Day expenses.
 - 3.4.2.4. The previously approved \$500 donation to the fire field has not yet to be presented to the fire field management.
 - 3.4.2.5. Tatro requested up to an additional \$700 to cover additional coax, food, and miscellaneous items. He anticipates the entire amount will not be used. Discussion on the matter followed.
 - 3.4.3. Tatro summarized event status:
 - 3.4.3.1. There will be three generators.
 - 3.4.3.2. Field Day site have been visited.
 - 3.4.3.3. A Boy Scout Troop will be coming to earn their Radio Merit Badge. They will probably camp-out over night at the fire field.
 - 3.4.4. A board motion was made and approved to allocate up to an additional \$700 to support Field-Day.
- 3.5. Tx PAC Donation:
 - 3.5.1. Sauermilch gave history of situation to date.
 - 3.5.2. Kendrick summarized situation:
 - 3.5.2.1. Board must decide if or not to donate.
 - 3.5.2.2. If decision is to donate, then how much.
 - 3.5.3. Kendrick opined that BVARC should not donate as a 501(c)(3) organization.
 - 3.5.4. Kendrick required that the directors vote on record their decision about donation.
 - 3.5.4.1. Kirk Kendrick: ABSTAIN
 - 3.5.4.2. Terry Leatherland: NO
 - 3.5.4.3. Bob Tomlinson: NO
 - 3.5.4.4. Travis Burgess : YES
 - 3.5.4.5. Pete Sauermilch: YES
 - 3.5.4.6. David Barber: Not present
 - 3.5.4.7. Ron Litt: Not present
 - 3.5.5. With a tie vote, Kendrick wanted the full board to vote on record. He will poll the absent members before the next meeting and report their decision.

4. VP Report: Future General Membership Meeting Programs
 - 4.1. June: Field Day
 - 4.2. July: Review of MSE and Field Day
 - 4.3. August: Ice Cream Social, Hiller chairman
 - 4.4. September: Tx QSO Party
 - 4.5. October: To Be Determined
 - 4.6. November: Election & Chili Supper
 - 4.7. December: Home-Brew
 - 4.8. January: Banquet
5. New business: Kendrick stated that the Balloon Launch Team is in need of funding. He requested that the Wish-List Committee add a BLT donation line item for future budget discussions.
6. Meeting adjourned at 8:07 PM.

Submitted by Recording Secretary, Peter Sauermilch, KD5QPX



Radio Sport Events of Note for July 2013

Canada Day Contest sponsored by RAC (CW and SSB) July 1st 0000Z – 2359Z

One of my favorite contests. Check the Rules at:

<http://www.rac.ca/en/rac/programmes/contests/files/2012%20RAC%20Canda%20Day%20Contest%20Rules%20-%20English%20and%20French.pdf>

10-10 Int. Spirit of 76 QSO Party (CW, SSB, PSK31, RTTY, FM, AM) Jul 1st 0001Z to July 7th 2400Z Check the Rules at: <http://ten-ten.org/Forms/spirit.pdf>

PODXS 070 Club 40m Firecracker Sprint (PSK 31) 40 Meters Only

Jul 6th 2000 Local to July 7th 0200 Local. Yes, this is your local time. The contest has a rolling start

SKCC Sprint (CW) July 24th 0000Z – 0200Z

Rules At: <http://www.skccgroup.com/sprint/sks/>

FISTS Summer Sprint (CW) July 13th 0000Z – 0400Z

Rules at: <http://www.fists.org/sprints.html>

Run for the Bacon QRP Contest (CW) Jul 22nd 0100Z to 0300Z

5 Watts Max Power

Rules at: <http://fpqrp.org/pigrun/>

And . . . the ever popular - - Venezuelan Independence Day Contest (CW, SSB, PSK) July 6th 0000Z to July 7th 2350Z

Rules at: <http://www.radioclubvenezolano.org/rules.htm>

Lots of Special Events this month. You can go to <http://www.arrl.org/special-event-stations> to see the full list but here are some favorites of mine.

13 Colonies Special Event July 1st – July 6th

150th Anniversary of the Battle of Gettysburg July 1st – July 6th

National Scout Jamboree -- K2BSA Operation July 15th – July 24th



BVARC Historical Vignettes – BVARC and New Technology

Allen Mattis N5AFV, Club Historian

One thing I have observed about BVARC is that the club seems to always be involved in new technology. In recent years the club has been involved with members of the South Texas Balloon Launch Team in high altitude balloon (HAB) flights. Recent newsletters have discussed the state-of-the-art Elecraft K-3 radio. Remote rig operation by computer or IPAD is another example of evolving technology that BVARC has shown to its members.

This type of thing is not something new to BVARC. In 1979, BVARC was in its second year and Dick Hagerman, WB5SRN, was the club's Program Director. Some of the programs Dick brought in for the club meetings show-cased new and evolving technology. For the August 1979 meeting, 15 BVARC members were given a tour of the Gulf Coast Cable Television Company which provided cable television to the Bellaire area. While cable television is common today, it certainly was not common 34 years ago.

For the September meeting Dick brought in a program about OSCAR satellites. OSCAR 1 was launched in 1961, and by 1979, ten OSCAR satellites had been launched into orbit. Seven were launched by the United States, two by the Soviet Union, and one by Australia. For the most part, these early OSCAR satellites were primitive by today's standards but BVARC members were exposed to state-of-the-art OSCAR technology. A follow-up program on spacecraft communications was scheduled by Dick but the speaker moved out of the area and had to cancel his presentation.

For the November meeting, Dick brought in Dr. John Freeman from the Department of Physics at Rice University to speak about solar energy. The first solar cell was built in 1883 by Charles Fritts. The first solar cells were made from selenium covered by a thin layer of gold and were very expensive. After the OPEC oil embargo in 1973, research on solar cells increased dramatically and solar cell costs dropped to approximately \$20 per watt. Dr. Freeman pioneered the use of solar cells to power satellites and BVARC members got to hear about it "from horse's mouth."

Throughout its history, the Brazos Valley Amateur Radio Club has exposed its members to exciting new and evolving technology.



2013 Club Officers:

President:
Kirk Kendrick, KK2Z
kmkendrick@gmail.com

Vice President:
Terry Leatherland, W5PGF
k5pgf@yahoo.com

Corresponding Secretary / Treasurer
Robert Tomlinson, N5JSL
rbtswim@gmail.com

Recording Secretary:
Pete Sauermilch, KD5QPX
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

1 Year at Large Board Member
Travis Burgess, K5THB
travburg1@sbcglobal.net

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

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>

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
Production Team: Cameron Mitchell, K5CAM, 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 Scarcella campus in Stafford. A Public Service Net is held each Monday at 8 p.m. on the 146.94 (minus offset, PL 167.9 tone) repeater & a rag chew net is held each Wednesday at 7 p.m. on 3910 KHz +/- 3 KHz.

To obtain information about joining **BVARC** or its activities, contact the club's "Elmer," Ross Lawler, W5HFF at 281-342-3340 or w5hff@yahoo.com or see the BVARC website: www.bvarc.org

VOLUME 37, ISSUE 7

July 2013

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

FIRST CLASS POSTAGE

- BVARC Board Meeting – Rescheduled date, Wednesday, July 10, 7:00 PM
- BVARC General Membership Meeting – Thursday, July 11, 7:30 PM

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