



# BRAZOS VALLEY AMATEUR RADIO CLUB



AMATEUR RADIO FOR SOUTHWEST HOUSTON AND FORT BEND COUNTY

AUGUST 2003

VOLUME 27 ISSUE 8

## NCVEC Committee Studying New Entry-level License Proposals

The National Conference of Volunteer Examiner Coordinators (NCVEC) has formed a committee to develop an FCC rule making proposal for a new entry-level Amateur Service license. The move came during the NCVEC's annual meeting July 25 in Gettysburg, Pennsylvania, where attendees heard presentations on the possibilities for such a new ticket. At the same session, the NCVEC also approved plans to draft and submit a rule making petition to eliminate the current 5 WPM Morse code requirement (Element 1) and to give Novice/Tech Plus HF privileges to all current Technician licensees. NCVEC Chair John Creel, WB3GXW, of the Laurel VEC presided over the gathering, which included representatives of 12 of the nation's 14 VECs.

NCVEC Question Pool Committee Chair Scotty Neustadter, W4WW, and Rules Committee Chair Fred Maia, W5YI, offered separate proposals for an entry-level license. Neustadter said while the current entry-level license, the Technician class, provides full VHF and UHF privileges, it does not offer a simple entry path. He recommended a 50-W maximum power output level, Novice/Tech HF subbands plus 12 and 17-meter privileges and a 20-question written exam.

Maia's proposal suggested upgrading all current Tech and Tech Plus licensees to General and allowing their use of all bands. Beginner licensees should be granted call signs from the NA-NZ### call sign block, he said. Both Maia and Neustadter suggest ways to

streamline the number of license classes. Maia offered up the possibility of asking the FCC to eliminate the Morse testing requirement immediately, easing code exam format restrictions and giving serious thought to dropping CW-only subbands as well. Neustadter recommended no changes in CW/phone allocations, at least for now.

Maia, Neustadter, Jim Wiley, KL7CC, and John Johnston, W3BE, will serve on the entry-level license study committee. The panel is to report back to the NCVEC within a few weeks.

The NCVEC representatives' approval to petition the FCC seeking the deletion of the

Element 1 Morse code examination requirement for HF access was in reaction to the World Radiocommunication Conference 2003 (WRC-03) decision to leave such requirements up to individual administrations. The ARRL-VEC abstained from voting on the issue.

Responding to a question, the FCC's Bill Cross, W3TN, told the group that he did not believe the Administrative Procedures Act would permit the FCC to drop the Morse code testing requirement on its own motion. He predicted a lively debate during any proposal-and-comment period.

(Continued on page 3)



Scouts, hopefully future amateurs, from the Order of the Arrow troops watch the Walter Cronkite ARRL video describing amateur radio hobby.

**Don't forget the September general meeting. Amateur radio emergency communications will be the topic with a display of an emergency communications trailer built by local amateurs. See you at the meeting!**



## 2003 Club Officers:

President:  
Mike Hardwick, N5VCX  
n5vcx@worldnet.att.net

Vice President:  
Allen Brier, N5XZ  
abrier@hotmail.com

Corresponding Secretary/Treasurer:  
Mack Arp, W5EET  
w5eet@yahoo.com

Recording Secretary:  
Joe Morgan, K5JWM  
k5jwm@att.net

One Year Board Member:  
Dave Scott, WD8RZA  
wd8rza@aol.com

Two Year Board Member:  
Ross Lawler, W5HFF  
w5hff@juno.com

Past President:  
Kevin Foto, KD5O  
foto@texas.net

## Club Happenings:

### General Meeting

Second Thursday each month,  
Sugar Land Community Center,  
224 Matlage Way

### Board of Directors Meeting

First Thursday of each month,  
Sugar Land Community Center,  
224 Matlage Way

### 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

### Eating Schedule

Third Friday Dinner at 6:30 p.m.  
Location announced in the calendar.

### Saturday morning breakfasts -

7:00 a.m. New York Coffee Shop  
9720 Hillcroft, Houston  
7:30 a.m. Viking Den  
2939 S. Main, Stafford

### Rag Chew Net

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

### Public Service Net

Monday night on 145.47 (123 PL) at 9:00  
PM

## Minutes of Brazos Valley Amateur Radio Club Board of Directors Meeting

August 7, 2003

**Attendees:** President Mike Hardwick, N5VCX; 2 -Year Director/Club Elmer Ross Lawler, W5HFF; Corresponding Secretary/ Treasurer, Mack C Arp, W5EET, Vice President Allen Brier, N5XZ; Past President Kevin Foto, KD5O; Past Secretary of Treasurer Camron Mitchell, K5CAM; Recording Secretary, Joe W Morgan, K5JWM.

Meeting called to order at 7:36 PM by President Mike Hardwick.

**Comments:** Mike Hardwick-Take a look at the new web site and give us some feedback on what you think and what you my think will approve the site.

**Emergency Business:** Consolidation of Field Day expenses Orin still needs to submit to treasurer. Mike still working on the by-laws.

**Old Business:** Reading & Approval of the June and July minutes. And they were read & approved. Joe still working on new email roster for mass e-mail. Ross W5HFF is coordinating the ice cream social for August 14th.

**New Business:** Mack say Bank account is up to date as of Aug/08/03, Make extra news letters for mail out for new members to join and Mack will write front cover for the news letter. E-mail notifications for BOD & General meeting. Talked about taking poll on what members want.

**Announcements:** Ice Cream Social August 14th  
Bike to the Beach-September 20th&21,2003

**Membership count:** 144 total members

**Adjourn:** 8:43 p.m.

Submitted by Recording Secretary:  
Joe W. Morgan, K5JWM

## Silent Key

THOMAS JOHN (T.J.) LAYTON, RMCS.(SS) USN (Ret.), KB5TIB sailed out of this life into the next on Tuesday, August 19, 2003. T.J. was born in Dallas, Texas on May 21, 1923, but lived most of his life in Houston. He attended Stephen F. Austin High School. T.J. was a WW II veteran and a Purple Heart Recipient. He served on the USS Perkins and USS Brush, and participated in many Naval battles in the Pacific. At the end of the war, he joined the Submarine Service where he served until his retirement in 196 after 23 years of service. Upon retirement, he was employed by Simple Time Recorder Company for 21 years. T.J. was a past Exalted Ruler with the Elks Lodge of Pasadena, Texas, and was a member of the Brazos Valley Ham Radio Club of Houston. Survivors include his loving wife of 56 years Patricia Layton, KC5FTB of Bellaire, Texas, formerly of Sydney, Australia. Funeral Services was held on Saturday, August 23, 2003 at Earthman Bellaire Chapel, with the Rev. K. Dick Kruse, officiating. Interment was at Forest Park Westheimer Cemetery with full military honors.



## New Entry-level License Proposals

(Continued from page 1)

In remarks at the meeting, FCC Special Counsel for Enforcement Riley Hollingsworth complimented the VECs for their efforts. He noted that complaints concerning the administration of amateur exams were at their lowest point in the five years he's been handling amateur enforcement. He also said VECs should not underestimate the FCC's concerns regarding examination integrity.

Members of the Licensing and Technical Analysis Branch staff at the FCC's Gettysburg office demonstrated a beta version of new Universal Licensing System <<http://wireless.fcc.gov/uls/>> on-line filing software expected to go live in September. Among other features, the new, user-friendly software will incorporate on-screen links to context-relevant "common questions" and ease the process of applying for a vanity call sign. It also will provide compatibility with screen-reading software employed by sight-impaired users.

The NCVEC unanimously approved an extension of an experiment to use videoconferencing technology to conduct Amateur Radio testing in remote areas of Alaska. The NCVEC had voted last year to back a one-year trial run to be conducted by the Anchorage Volunteer Examiner Coordinator. Jim Wiley, KL7CC, of the Anchorage VEC told his colleagues that, after unexpected delays, his VEC expects to be testing within three months.

*Reprinted with permission from The ARRL Letter The ARRL Letter Vol. 22, No. 31 August 8, 2003*

<http://www.arrl.org/arrlletter/03/0808>



A future ham contemplates what to do next.

## BVARC Website Getting Facelift

Your editor, KD5UJT, who is a professional web designer in "real life", is modernizing the BVARC website. You can find the beta site at:

<http://bvarc.freeshell.org/beta/>

Send comments and suggestions to:

Schaer@hal-pc.org.

## Breakfast Anyone?

Join the group who meets at 7 am on Saturdays for breakfast at the Viking Den. Good conversation and good food.

*Photos by Steven Schuster*



The "breakfast gang". Sometimes there are more people than this.



The parking lot at Viking Den in Stafford

The Brazos Valley Amateur Radio Club Board of Directors would like to thank Lockard & White Telecommunication Engineers for the printing of this newsletter.

## The Story of the 146.28-88 Repeater, Part 2

Leon Vice, W5VCE/W5OBC as provided to  
Pump Fawcett, WA5CYI

Following are notes received from Byrum Huddleston, W5LGQ, in October, 1996. It has been a long time since any entries were made in the story of the history of the 146.880 and the 444.600 repeaters. Here are some of the events as Byrum remembers them.

We had a very active club back in the 60's and 70's, Suburban West Amateur Club, K5YJG, with about 50 members and there were several that were employed in electronics, so it was no surprise when the talk turned to repeaters. Some of those members that come to mind after more than 30 years are Ed, W5SDA, and Leon, W5VCE. I do remember Leon talking about the effort to enclose the cavities and he mention that one of their early efforts was to mount the filters inside a coffee can. I'm sure this wasn't their final effort but it showed progress.

Now for continuation of the saga by Byrum, W5LGQ. ~~After I retired from CH 39 in 1982,~~ I made my dream come true by moving to Sargent to spend most of my time fishing. The next priority was to put up a tower so I could use the repeaters in Houston. Several years past and my passion for fishing cooled a little so I found other things to do. I was listening to Fred, K5MJA, and Frank, K5VQY, on 88 one afternoon and they were talking about some problems with the repeater.

I listened for a while and then broke in and casually asked if there was any thing that I could do to help? I soon realized that I had set a trap for myself because after 20 years they were looking for somebody to carry the load for a while.. After some gentle arm twisting I agreed to become the trustee of the 146.88 and the 444.600 repeaters. That was July 10, 1987.

We knew that the repeaters had few problems but we needed to take a good look at what we had gotten ourselves into. So Don, K5IXJ, my son, who would make many trips to the tower in the next 10 years, made his first trip up to bring both of the repeaters down. This was the start of an interesting 10 years.

After we got the old repeaters down we contacted Steve, K5LTK, who had been doing most of the maintenance, to get the spare parts and the

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documentation of the repeaters and also get a few pointers. Jerry, K5IHK, also was very helpful in getting over the rough spots. It took a while to learn the ins and outs of the repeaters but the day final came to put them back into service. Then Don was making his second trip up the tower, this time to re-install the repeaters. After making a few on the air tests, we realized that we already had hams standing by waiting for the word to go. So we turned them loose. Everything was fine for several years with only a few trips to replace relays and tubes until we ran out of good tubes. Often with day and night operation, the tubes wouldn't last very long. We had a wake up call when we went looking for replacement tubes and found that they were in short supply. That's when we began thinking of replacing the repeaters with all solid state surplus commercial mobile radios. GE Master Exe II seemed to be the most promising. "We put out the word and before long Allen Fox, K5LKJ, on a hamfest trip to Austin came up with two Ex II's for two meters and it wasn't long before we had two more for UHF, so now we had the radios, we needed to build four repeaters because we wanted to have a spare repeater for each frequency. We soon got pointed in the right direction to make repeaters out of them.

Even though we got a lot of basic advice, I still had to convert the radios for duplex operation and interface them to the other equipment. The S Com controllers sure did make our life much easier because I only had to supply inputs and outputs to it and it would do the rest. It gave us ID, Squelch delay, Time out, PTT, adjustable audio in and out, TX on and off, and PL input. These could be activated remotely without the need for a phone line. First we had to compile a list of material that we would need to build four repeaters.

One 12 volt power supply that would deliver 35/40 amps. Supplied by W5GBR.

- Two S COM 5K Controllers.
- Four receiver crystals.
- Four transmit crystals.
- Two TS32 PL boards.



This looks like a pretty short list but just wait until you get the bill. On March 23, 1991, Don installed the new repeaters and retired the old one after 20 years of service.

## More on the 146.880 Repeater

**This information is believed to be from Steve Davidick, K5LTK**

In 1969 I was introduced to 2 meters FM with my RCA carphone. I got to know Wiley Hamilton and Leon Vice a little better and before I knew it I was making trips up the big stick as a helper with various technicians. As time went by I acted as combination gofer and a minor maintenance tech myself.

In 1971 we had a change in club officers and trustee. The new trustee was Bill Benton, WA5DWX, and the new repeater call was WA5YUX. The license was good up to April 1973. Because of upcoming license changes and requirements. It was during this period of time that we decided that I was wearing out the tower elevator and our repeaters were off the air too much when they were needed. So we bought a GE Master Pro Mobile unit. Wiley built up a power supply and a repeater package for it. On August 25, 1972 we put our new repeater on the air. Shortly after we installed new antennas and replace the old RG-17 coax with Heliac cable.

A new control unit was built by Bill Bremer Jr., WA5RRR, to give us a more reliable control system with extra control functions. After the WA5YUX license expired, we had a new trustee Frank, K5VQY that was in May 1973.

He received the new license with the call of WR5AAA. Late that night the new ID was installed in the repeater. A lot of work went into getting that license by Bill Bremer, W5EKP. In January 1976 we installed our second GE Master repeater on 444.600. On 5/17/76 we had our first total failure on the 146.88 machine, it was a blown line fuse. This is one of two failures this machine has had to this date (6 years later). About a week later we had our first failure on our UHF 444.600 machine. A bias protection relay vibrated loose from its socket. This is the only failure this machine has had to the date (2 1/2 years of 24 hour operation).

### Repeater Tips By Byrum

Just a few additional tips on some the problems that might be encountered if you are building a repeater using the GE Master Exec II or Master II.

You don't need the remote cable and control head, they just take up a lot of room. I removed all the wires from the cable plug except the two large wires

for + and - power and built the control head directly into the plug, which is a trick in itself. It's a pretty tight fit for volume, squelch, speaker jack, on-off switch and two LED's.

Using the original power wires was a big mistake. If you are installing a repeater in a nice snug air conditioned building, you would never have any problems, but at the top of a 1500 FT. tower where the temperature in the summer must get up to 140 degrees and humidity reaches 100% is a bad environment.

After about five years of operation, we started losing power output on one of the repeaters. Our first thought was that the final amplifier had failed, so we replaced it with the amp from our spare, and sure enough that restored output until a week or so later when we had the same problem. This went on for a while until we discovered that the harsh environment had caused the two pins that supplied + and - power to the final, which draws 10 to 12 amps and is in almost constant use, had developed enough resistance to cause severe heating to the point of melting the plastic shell and cut off the power to the final.

Don brought both repeaters down and I built and installed new front control panels and brought power to the final amp from the back using 10-gauge wire that eliminated the plug problem.

The 146.880 repeater is currently operating from Chase Tower in downtown Houston. It will hopefully, in the near future, be returned to the height that made it one of the tallest repeaters in Houston.

The KARS-HVRA Auction-Swapmeet is coming up this Sep 13th and we are looking for folks interested in speaking. A talk on the Red Cross Ham Station would be great, as well as the ne ECHO certification program. Or, a topic that may be important to you. Please let me know if you are willing to give a talk. Charlie Knobloch <[knobles@omnilaw.com](mailto:knobles@omnilaw.com)>

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## The BVARC Rag Chew Net

By Joe Morgan, K5JWM  
July 2003 check-ins

3910 KHz +/-3KHz Wednesdays at 7:00PM  
Joe Morgan, K5JWM, Net Coordinator

Just WHAT IS the Rag Chew Net? Well it's a chance for you to get on the low bands and hang out with other B-Varc members, as well as hams from around the south central US!

WHAT?? Don't have voice privileges? Got a short-wave receiver? Dial in and listen, then check in using the telephone number announced at the beginning of each net.

07/02/03 - K5JWM, WA5VRB, N5VXU, KB9WVG, KA5JKI, AB5BA, K5VRJ, K5HFY, KC5JAR, W5HFF, N5CPA, KG5RQ, K5LKJ, W5UFG check-ins - 14

07/09/03 - K5JWM, KB5F, W5HFF, KB9WVG, K5LBU, K5DSU, K5VRJ, AB5BA, K5HFY, K5CEK, K5IZO, N5CPA, N5VXU, KC5JAR, K5LJ, KG5RQ, WA5VRB check-ins - 17

07/16/03 - K5JWM, K5HFY, N5CPA, KE5SR, K5CEK, K5VRJ, AB5BA, N5VXU, W5HFF, KC5KGJ, K5IZO, WD6CQO check-ins - 12

07/23/03 - K5JWM, KB9WVG, K5CEK, N5CPA, WB5SRN, WB5VYR, WA5VRB, N5VCX, K5HFY, KG5RQ, N0JAA, N5VXU check-ins - 12

07/30/03 - K5JWM, K5CEK, N5CPA, W5HFF, K5LJ, KA5JKI, WA5VRB, KG5RQ, WB5VYR, NM5K, K5VRJ, AB5BA check-ins - 12

## Results of the August 5<sup>th</sup> Testing Session

by John Moore, KK5NU

BVARC administered the ARRL-VEC Amateur Radio Examination session that was held on Tuesday, July 8th, 2003 at HCC's Scarcella Technology Campus here in Stafford.

### MEMBERS OF THE VE TEAM:

- Dennis D. Deitrich, W5DDD
- Larry Jacobson, K5LJ
- John Moore, KK5NU
- George Ontiko, KM5VP

Four examination elements were administered during the evening to four applicants. Two unlicensed candidates received their new Technician licenses; and a Tech Plus licensee upgraded to General, with the total number of elements passed being 3. The overall "pass rate" for the evening was 75%. Congratulations to the following who passed an exam and/or upgraded:

- George M. Gogas, III - KA1TTZ - General
- David C. Greer - {KD5YVR} - Technician
- Robert J. Polinski - {KD5YVQ} Technician

Many thanks to all the team members and assistants who volunteer their valuable time and effort each month. All of us at BVARC thank everyone at HCC Scarcella Technology Center for making these excellent classroom facilities available to us for our exams each month.

## Public Service Events

By Mike Hardwick, N5VCX, President

Here are a few events for the next few months. Come out and help and put your license and radio to a good use. If you like the hobby, this is one of the best ways to promote the hobby and help a worthy cause at the same time. Remember, one of the main reasons for amateur radio is to help the community. If interested in these events, call me and I will send you the information. 713-771-4625 or e-mail n5vcx@arrl.net.

**Bike to the Lake Tour** September 20/21, 2003 Loop ride Katy to Lake Somerville back to Katy. The event needs 30 operators for event communications.

**Moonlight Bicycle Ramble** October 12, 2003

**Wings Over Houston Air Show** October 18/19, 2003

**Jamboree Over the Air (JOTA)** October 18/19, 2003

**20K Warm Up Run** October 19, 2003

**Novemberfest Bike Ride** November 8, 2003

**25K Warm Up Run** November 9, 2003

**30K Warm Up Run** December 7, 2003

**HP Houston Marathon** January 18, 2004

**MS150 Bike Ride** April 17 & 18, 2004



## **Rick Hiller, W5RH, Presents on October 4, 2003 Practical Antenna System Theory, Design, Modeling and Building Seminar**

Rick Hiller, W5RH, will present a 4 hour seminar (semi 'cook book' form) that explains the theory of antenna systems typically used for amateur radio. Rick will show how these theories apply to practical amateur radio antenna design and construction utilizing EZNEC modeling as a training aide for the course and TLDetails for transmission line modeling. This course is not a replacement for the ARRL Antenna Modeling on-line course given by W4RNL.

If you attend you will need to bring - your keen interest in antennas; your enthusiasm; your questions about antenna design, and be willing to share and discuss your practical knowledge and experience. If you have a laptop with EZNEC on it, bring it so other may see how the process is done. The class will be from 9:00 a.m. to 1:00 p.m.

Once the seminar is over, you will take home with you an understanding of basic antenna system theory, as applied to the practical aspects of antennas used in amateur radio. During the course you will be supplied with all course reference materials, a copy of EZNEC Demo version, and a copy of TLDetails.

There will be a cost of \$10 that will cover all supplied course materials. Any remainder of the fee will be donated to BVARC. The location for the seminar will be at the National Multiple Sclerosis office just north of Reliant stadium on 8111 North Stadium Drive. Talk-in will be on 145.470 MHz. The class is limited to 15 people so if you are interested in attending this seminar, please contact Rick at [rhiller@sysdev.com](mailto:rhiller@sysdev.com) as soon as possible.

## **BVARC Ice Cream Social, August 14, 2003**



View of the crowd



The Boy Scouts line up for ice cream.



About 30 boy scouts attended the meeting.

## KB5F "WINS?" Tower Case Against Missouri City

On 20-22 May a trial was held to hear Civil Action No. H-03-243, Orin Snook v. City of Missouri City before federal Judge David Hitner. Case history and background and the Decision and Order can be found at: <http://users3.ev1.net/~osnook>

**WE WON !!!?!!** "I was ruined but twice: Once when I lost a lawsuit and once when I won one." Voltaire

The judge ruled strongly in our favor, but protected the city as best he could too. The 63 page Conclusions of Law and Findings of Fact detail how Pentel and related cases were right and how Algoma and related cases are wrong, affirming no "right" to an antenna exists in a situation where the city has the option to disapprove a permit request.

1. He can't find much any reason to rule against me, IE. I didn't mess up. I used Fred Hopengarten's early advice to formulate a logical and legitimate story and stuck to it. Our expert Kent Marshall, W5TXV (!) supported my tests and measurements; the city EE PhD expert messed up by changing his story to NOT match his written conclusions - that supported me!

2. He affirms PRB-1 and orders the city to let it stand (at 114 feet) as is.

3. He says the city did not overly abuse their power of discretion when they arbitrarily fired my wife as a city employee, fabricated evidence or made major mistakes elsewhere. Quite embarrassing to named individuals on council and city staff, nevertheless they are let off the hook for malicious prosecution as a sovereign ("the king can do no wrong" - you can't sue the government because we the people couldn't afford to pay the damages). I failed to prove civil rights abuse sufficiently...

4. He denies a permanent stay of prosecution of the 21 convictions I have appealed to state court; but, "The Court is assured however, that the city will act in compliance of this Order and Court's determination of preemption with regards to any criminal proceedings, pending or closed, relating to Snook and the facts of this suit."

5. The city has 4 weeks to appeal, continue prosecuting the 21 appeals or write me a Specific Use Ordinance for the antenna as is. I understand the HOA is busy soliciting "complaints" for the antenna, so this may not be over yet...

6. He awards me "Costs", but no attorney fees so I am still out >\$35k. The ARRL has been conspicuously absent in the fight but it would be marvelous if their Legal Defense war chest would help fill this breach. Hams across the country will be able to get a lot of lawering out of this published case of first impression for the 5th Circuit.

Comments welcomed.

Regards,  
Orin Snook, KB5F

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### President Corner

Amateur radio is hobby that if we want to keep it alive we may need to make a sacrifices. Whether it is money or time, the only thing that will keep this hobby alive is you and your effort. I want everyone to think what their life would have been without amateur radio. I know in my case, without amateur radio, doors would have not be opened for me that helped me later in life plus I would have not met some very fine people. If you enjoy this hobby you need to remember that you have to support it as well if it is to survive.

The Ice Cream Social was a wonderful success and I want to thank Ross, W5HFF for putting it together. I also want to thank Scott, KD5FBA on getting the Order of the Arrow Scout troop out to the meeting.

The next general meeting will have someone that has sacrificed both time and money to build equipment for emergencies. Make sure you come out and see this display.

73's  
N5VCX



## September 2003

SUN	MON	TUE	WED	THU	FRI	SAT
	1 Labor Day VHF Net 9:00 pm 145.470 MHz	2 AMSAT Net 8:00 p.m. 145.470 MHz	3 HF Net 7:00 pm 3910 +/-3KHz	4 BOD Meeting 7:30 pm	5	6 See below*
7	8 VHF Net 9:00 pm 145.470 MHz	9 VE Session 6:30 pm AMSAT Net 8:00 p.m. 145.470 MHz	10 HF Net 7:00 pm 3910 +/-3KHz	11 Club Meeting 7:30 p.m. Emergency Communications	12	13 *See below*
14	15 VHF Net 9:00 pm 145.470 MHz	16 AMSAT Net 8:00 p.m. 145.470 MHz	17 HF Net 7:00 pm 3910 +/-3KHz	18	19 *See below*	20 *See below* Bike to the Lake Bike Ride
21 Bike To the Lake Bike Ride	22 VHF Net 9:00 pm 145.470 MHz	23 AMSAT Net 8:00 p.m. 145.470 MHz	24 HF Net 7:00 pm 3910 +/-3KHz	25	26	27 *See below*
28	29 VHF Net 9:00 pm 145.470 MHz	30 AMSAT Net 8:00 p.m. 145.470 MHz				

Third Friday Dinner: 6:30 p.m.(sharp) at PANDA GARDEN CHINESE RESTAURANT, 1043 Eldridge Road at Jesse Pirtle Blvd. In Sugar Land. (1 mile +/- N. of US90A.) . Saturday morning breakfasts 7.00 a.m. New York Coffee Shop. 9720 Hillcroft, Houston. 7:30 a.m. Viking Den 2939 S. Main, Stafford

## October 2003

SUN	MON	TUE	WED	THU	FRI	SAT
			1 HF Net 7:00 pm 3910 +/-3KHz	2 BOD Meeting 7:30PM	3	4 *See below* Belton Hamfest Antenna Class 9 am to 1 pm
5	6 VHF Net 9:00 pm 145.470 MHz	7 VE Session 6:30 pm AMSAT Net 8:00 p.m. 145.470 MHz	8 HF Net 7:00 pm 3910 +/-3KHz	9 Club Meeting 7:30 p.m. QRP Update & JOTA info	10	11 *See below*
12	13 VHF Net 9:00 pm 145.470 MHz	14 VE Session 6:30 pm	15 HF Net 7:00 pm 3910 +/-3KHz	16	17 *Sec below*	18 *See below* Wings Over Houston JOTA
19 Wings Over Houston Air Shew	20 VHF Net 9:00 pm 145.470 MHz	21 AMSAT Net 8:00 p.m. 145.470 MHz	22 HF Net 7:00 pm 3910 +/-3KHz	23	24	25 *See below*
26	27 VHF Net 9:00 pm 145.470 MHz	28 AMSAT Net 8:00 p.m. 145.470 MHz	29 HF Net 7:00 pm 3910 +/-3KHz	30	31	

Third Friday Dinner: 6:30 p.m.(sharp) at October 17, 6:30p.m.(sharp) at TIO PEPE'S SPANISH RESTAURANT, 5213 Cedar, in Bellaire. It's 1 block N. of Bellaire Blvd. and 2-1/2 blocks E. of Chimney Rock.. Saturday morning breakfasts 7.00 a.m. New York Coffee Shop. 9720 Hillcroft, Houston. 7:30 a.m. Viking Den 2939 S. Main, Stafford.



Monthly Publication of the Brazos Valley Amateur Radio Club.  
Serving Amateur Radio for Southwest Houston and Fort Bend County

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The Brazos Valley Amateur Radio Club (BVARC) was organized in 1978, 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 Southwest Houston and Fort Bend County.

Today, BVARC is truly a general interest club with an impressive record of Public Service. The American Radio Relay League (ARRL) has recognized the club's commitment to service with the coveted status of Special Service 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. Meetings are at 7:30 p.m. on the second Thursday of each month, at the Sugar Land Community Center. Talk-in assistance is available in the 145.470, and 444.550 MHz (PL 123.0) repeaters. Membership dues are \$20 per year.

BVARC administers ARRL-VEC license exam sessions on the 2nd Tuesday of each month. A Public Service Net is held at 9 PM. each Monday on the Memorial Emergency Radio Association's 145.47 & 444.55 repeaters.

To obtain information about joining BVARC or its activities contact the Club's "Elmer", Ross, W5HFF at 281-342-3340 or [w5hff@juno.com](mailto:w5hff@juno.com).

## VOLUME 27 ISSUE 8

**BRAZOS VALLEY  
AMATEUR RADIO CLUB  
P.O. BOX 1630  
MISSOURI CITY TX 77459-1630  
ADDRESS SERVICE REQUESTED**

**Membership Meeting on September 11<sup>th</sup>  
7:30p.m., Sugar Land Community Center**

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