



# BRAZOS VALLEY AMATEUR RADIO CLUB



AMATEUR RADIO FOR SOUTHWEST HOUSTON AND FORT BEND COUNTY

MARCH 2002

VOLUME 25 ISSUE 3

## **GENERAL MEETING** **LOCATION CHANGE** **FOR APRIL MEETING**

Due to confusion on dates, a mix-up occurred on the meeting location for the April general membership meeting. Unfortunately we will not be able to have the meeting at the Sugar Land Community Center. Instead we will have the general membership at the Sugar Land Branch Library on 7<sup>th</sup> Ave. and Eldridge Road, about one mile north of Hwy 90A. The meeting will start just after 7:00 p.m. when the room becomes available from the previous users. There will be no food due to the rules on the use of the room at the library. The program will be about home-made and custom made microphones so come on out and see what really makes a good sounding rig sound good.

## **GET READY FOR FIELD DAY!**

Start getting your equipment ready for field day. The June BVARC general meeting will be a "get ready for field day" meeting, allowing everyone to participate in some field day activity even if they cannot make it out to the field day location.

If you would like to help with Field Day, contact Paul Gray, N0JAA, Field Day coordinator and let him know that you are interested on helping out for Field Day. Let him know any ideas you may have to help improve field day and make it a better. Several more people are needed to help with setting everything up on Saturday morning. Come on out and make this years Field Day a booming success! Besides our score, lets do our best and shoot for the highest number of club participants at this years Field Day!



**2002 BVARC FIELD DAY SITE**

## **From the President:**

Recently at work I had the chance to help with the testing and implementation of a new 220 MHz narrow-band FM trunking Motorola system. This is Motorola's first venture into 220 MHz and it may help amateur radio in the long run. With Motorola soon to start building equipment for this 220 MHz nationwide system, two things for the 220 MHz band will happen. The first thing, which all amateurs like, will be used commercial equipment such as repeaters, mobiles, and hand-helds that may work (they did) in the 220 MHz amateur band. This could really help the 220 MHz amateur band in the not too distance future.

The second thing that Motorola's new venture will do is that as the commercial 220 MHz band gets crowded, the industry will look for a area to grow in and I bet you can guess where that will be. One of the main reasons that the lower portion of 220 MHz was lost was that a national company wanted a nation-wide 220 MHz system (this didn't happen). We need to make sure that we utilize to the fullest our frequency allocations. There are over one dozen 220 MHz repeaters in the greater Houston area including one with over a 65 mile range. I rarely hear more than one conversation per day on those 12 repeaters. We do not need

to let more of the amateur spectrum lie idle from lack of use when there is so much potential for that band. If Motorola feels that they can start a production line for 220 MHz equipment, they must really feel that this will be the next area of growth in the wireless world. Growth is essential for the wireless industry but not at the expense of the

amateur community.

Check the inside back page for a picture of the 220 MHz Motorola radio. I had fun with it and I did put it on a Dallas 220 MHz repeater for few days (I do not know why but the Motorola engineers checked in the radios everyday making sure that all were accounted for. What did they think, someone may take one of them for their own personal use).

73's  
N5VCX

## 2002 Club Officers:

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

Vice President:  
Robert Moore, KK5UO  
kk5uo@hal-pc.org

Treasurer:  
Rex Ritz, KC5EEU  
icrex@yahoo.com

Corresponding Secretary:  
Cameron Mitchell, K5CAM  
k5cam@arrl.net

Recording Secretary:  
Bill Allen, KC5IIU  
william\_allen@csicontrols.com

One-Year Board Member:  
John Gilmore, AC5TL  
johnnygilmore\_1999@yahoo.com

Two-Year Board Member:  
Paul Gray, N0JAA  
n0jaa@aol.com

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

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

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## Club Happenings:

### General Meeting

Second Thursday each month at the  
Sugar Land Community Center  
226 Matlage Way  
Sugar Land, Texas

### Board of Directors Meeting

First Thursday of each month at the  
Sugar Land Community Center

### Volunteer Examiner Program

BVARC administers Amateur License Exams  
on the 2nd Tuesday of each month.  
Contact John Moore, KK5NU

### Eating Schedule

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

Saturday morning breakfasts –  
7:30 AM Viking Den,  
Hwy 90A in Stafford

## Board of Directors Meeting - January 10<sup>th</sup>, 2002

President Mike Hardwick called the meeting to order at 7:31p.m. with a quorum. Those in attendance were:

President Mike Hardwick-N5VCX, Vice President Robert Moore-KK5UO, Past President Kevin Foto-KD5O, Treasurer Rex Ritz-KC5EEU, Corresponding Secretary Cameron Mitchell -K5CAM, 1-Year Director John Gilmore-AC5TL, 2-Year Director /Field Day Director Paul Gray-N0JAA, 3-Year Director /Club Elmer Ross Lawler-W5HFF, Recording Secretary Bill Allen-KD5IIU, Jack Roberts-KB5TMY, John Moore-KK5NU, Doug Woodruff-KC5VYZ, Claude Sessions-K5HFF, John Whiteman-K5LKL

Recording Secretary Report by Bill Allen-KD5IIU: Reviewed the November and December 2001 BOD minutes. Motion made by Ross Lawler and seconded by Kevin Foto to approve November 2001 BOD minutes. Motion then carried unanimously. Motion made by Ross Lawler and seconded by Kevin Foto to approve December 2001 BOD minutes. Motion then carried unanimously.

Treasurer Report by Rex Ritz - KC5EEU: (Financial details can be obtained from members of the Board of Directors.) Rex stated that at this time we are very close to collecting all of the funds for the banquet as the club is subsidizing the difference. Rex stated Randy Pollard-AK5G delivered the audit for the year 2000 and all was in order. Club membership issues were discussed. Rex stated he would supply a final report at the next general club meeting. . Bill Allen made a motion to pass the report and was seconded by Robert Moore and motion then passed unanimously

Vice President Report by Robert Moore-KK5UO: Nothing new to report at this time.

Presidential Report by Mike Hardwick-N5VCX:

Corresponding Secretary Report by Cameron Mitchell -K5CAM: No report at this time.

3-Year Director Ross Lawler-W5HFF: Nothing new to report at this time.

2-Year Director Paul Gray-N0JAA: The following chairman's were decided upon unanimously:

1-Year Director John Gilmore-AC5TL: Nothing new to report at this time.

Old Business: Field Day will be held the weekend of June 22 and 23, Security deposits and site selections were discussed. Kevin Foto stated that the JODA patches had been paid for at a cost of \$80.00 dollars. Collecting payments and finding new advertisers for the clubs newsletter were discussed. Claude stated he would send form letters to the current advertisers asking if they would still be interested at a cost of \$50.00 per add. Location for next years banquet locations and specifics were discussed. The BOD decided that if there are any instances of death or illness within the club they would be handled by the board on an individual basis.

Motion was made to adjourn by Kevin Foto and was seconded by Robert Moore. Motion passed unanimously and the meeting was adjourned at 9:36pm.

Respectfully submitted by Recording Secretary Bill Allen-KD5IIU

The BVARC Board of Directors would like to thank **Lockard & White Telecommunications Engineers** for the production of the newsletter. Thanks to their generosity portions of the newsletter will now be in color

## **BVARC PUBLIC SERVICE NET**

### **Doug Woodruff, KC5VYZ - Coordinator**

The BVARC Public Service Net meets every Monday night on 145.47 (123 PL) at 9:00 p.m. Everyone is welcome. Check-ins and that night's net control:

2/4 - 19 - Cam, K5CAM  
2/11 - 33 - Kevin, KD5O  
2/18 - 21- Joe, K5JWM  
2/25 - 22- Doug, KC5VYZ  
3/4 - 24 - Cam, K5CAM  
3/11 - 28 - Kevin, KD5O  
3/18 - 28 - Joe, K5JWM  
3/25 - 23 - Doug, KC5VYZ



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## **THE BVARC RAG CHEW NET**

February 2002 by Sam Wilson, N5CPA

### **PLEASE NOTE FREQUENCY CHANGE FROM 3960 KHz**

3962.5 KHz +/-3KHz Wednesdays at 7:00PM

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.

**2/06/02--N5CPA, K5CEK, K5VRJ, AB5BA, K5JWM, W5GHK (6)**

**2/13/02--N5CPA, K5CEK, K5LJ, K5VRJ, AB5BA, W5GHK, KE5SR, WC5S, KD5O, WB5SRN, K5JWM. (11)**

**2/20/02--N5CPA, K5CEK, K5JWM, K5VRJ, AB5BA, KE5SR, KD5QLK. (7)**

**2/27/02--N5CPA, K5CEK, K5LJ, K5VRJ, AB5BA, KD5O, K5JWM, WC5S, KB5HMU, W2O EZ, K5LBU (11)**

## **SCANNER JACK'S CORNER**

Here are TRS frequencies for the cities of Sugar Land, Missouri City, and Stafford for 800 MHz.

857.9625	858.9625	859.9625
860.9625	866.0875	866.7375
868.6125		

### **Simplex I TAC Frequencies:**

866.0125 I TAC 1, 866.5125 I TAC 2, 867.0125 I TAC 3, 867.5125 I TAC 4, 868.0125 I TAC 5

### **Sugar Land Airport:**

118.650 Tower 121.400 Ground 118.125 ATIS/weather

### **NEW - CY FAIR Volunteer Fire Department:**

453.600 Dispatch

From

SCANNER JACK  
Jack Roberts, KB5TMY

## **AMATEUR RADIO TESTING**

**BVARC AMATEUR EXAMINATION SESSION  
for March 12, 2002**

**By John Moore, KK5NU**

B-VARC sponsored and administered the ARRL's Amateur Radio Examination session that was held on Tuesday, March 12, 2002 at HCC's Scarcella Technology Campus here in Stafford.

### **MEMBERS OF THE VE TEAM:**

Carl Albrecht, AA5JW	Ron Grimes, WA5SCE
Larry Jacobson, K5LJ	John Moore, KK5NU
Mark Winslett, KM5WR	

Five examination elements were administered during the course of the evening to five applicants. One unlicensed candidate received a new Technician license and four General class licensees upgraded to Extra Class with the total number of elements passed being 5. The overall "pass rate" was 100%.

Congratulations to all the following who upgraded and/or passed exams:

Linda C. Cortelyou	-	Technician
Dennis D. Dietrich	-	W5DDD - Extra
Thomas H. Gochenour	-	KC5KYR - Extra
Edwin H. Maling	-	K7MLR - Extra
Luther K. Westerman	-	KD5QIQ - Extra

Many thanks to all the Team Members and Assistants who volunteer their valuable time and effort each month.

All of us at BVARC again thank everyone at Houston Community College Scarcella Technology Center for making these excellent classroom facilities available to us for our exams each month.

..... 73 .....

**E  
P  
O****ELECTRONIC PARTS OUTLET**ELECTRONICS / COMPUTERS & MORE  
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HOUSTON, TEXAS 77064  
281 807-9600  
281 774-0830 fax  
**STORE MANAGER  
RICK ZAMARRIPA****SHIP TO WAREHOUSE:**  
9101 LIPAN  
HOUSTON, TX 77063  
713 787-0599  
713 268-1044 fax**AMATEUR RADIO EVENTS**

Over the next few months, there area going to be a number of Public Service events and as well as related items. So get your radio ready for the upcoming events.

Take a look at the calendar and pick an event out. Come on out and help with a number of excellent events that help out others as well as amateur radio.

Remember amateur radio can help others and working public service events keeps you prepared to do that.

Come on out and put your radio and license to a very good use.

**APRIL 13<sup>TH</sup>, 2002****BELTON HAMFEST – Belton, Texas**

Premier amateur radio tailgate, swap-fest everything event. Clean out the closet and garage and get something new. Go to the Temple Amateur radio club website at <http://www.tarc.org/hamradio/hamexpo/oct2001early.html>

**APRIL 20<sup>th</sup> & 21<sup>st</sup>****MS150 BIKE TOUR HOUSTON TO AUSTIN**

This is the premier public service event for Houston. Come on out help and be part of an event that raised over \$5 million dollars last year to help fight Multiple Sclerosis. Equipment requirements are 25 watts with a gain antenna. If you work both days, sleeping areas are available. Food is also available on the ride. Many positions to work from the command post in Houston to break points along the route to medical communications.

**APRIL 28<sup>th</sup>**

**MARCH OF DIMES WALK AMERICA** – There are several walks around the greater Houston area. Due to low amateur turnout, the University of Houston will not need amateurs this year, they went to commercial radio. There are still four other areas needed operators. North Houston has the Greenspoint area, the Southeast Houston area will have one at Ellington Field, the Woodlands walk will start at the Cynthia Woods Pavilion and for the first year Sugar Land will have one starting at the First Colony Mall. Normally the walk last only a few hours and is a very easy event to work. Most of the courses are small enough to use a hand held radio. Contact Peter Wang, KN5D at [kn5d@arrl.net](mailto:kn5d@arrl.net) to help out.

If you would like to volunteer, give me a call at 713-771-4625 to use amateur radio to help others.

Thanks,  
Mike N5VCX

**HOUSTON**  
AMATEUR RADIO  
SUPPLY, INC.**GEORGE DiLETTA, KDØRW**  
PRESIDENTEXIT 68 I-45 NORTH  
181 CYPRESSWOOD DRIVE  
SPRING, TX 77388800 471 7373  
281 355 7373  
FAX 281 355 8007**ARRL ASKS FCC TO ELIMINATE,  
"REFARM" NOVICE CW BANDS**

The ARRL has asked the FCC to eliminate the 80, 40 and 15-meter Novice/Technician Plus CW sub-bands as such and reuse that spectrum in part to expand the phone allocations on 80 and 40 meters. In a Petition for Rule Making filed March 22, the League requests that the FCC revise its Amateur Service rules in accordance with the modified Novice band "re-farming" scheme the ARRL Board of Directors okayed in January. The Petition has not yet been put on public notice for comment.

"The opportunity to eliminate the Novice and Technician-Plus telegraphy sub-bands and the reapportionment of those inefficiently deployed segments will allow alleviation of significant, sometimes critical, overcrowding in the popular Amateur HF allocations," the ARRL said in its Petition.

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The ARRL also cited "substantial advancements in the use of digital techniques" in the HF bands--such as PSK31--to bolster its assertion that a re-farming plan for the underutilized Novice HF sub-bands "cannot wait longer and must proceed now." The re-farming plan adopted was based on the recommendations of the ARRL Novice Spectrum Study Committee following a survey of the amateur community last year. Under the proposal, no operator class would lose privileges, and most would gain.

If the FCC approves the plan, current Novice and Technician Plus (ie, Technician with Element 1 credit) licensees would be permitted to operate on the 80, 40, 15 and 10-meter General-class CW allocations at up to 200-W output. For General and higher class operators, the ARRL wants the FCC to implement changes in the 80, 40 and 15-meter "phone" bands.

On 80 meters (3500-4000 kHz), phone privileges would begin at 3725 kHz for Extra, at 3750 kHz for Advanced and at 3800 kHz for General--another 25 kHz for Extra and Advanced operators and another 50 kHz for Generals. On 40 meters (7000-7300 kHz), phone privileges would begin at 7125 kHz for Advanced and Extra and at 7175 kHz for General--25 kHz more for Extra and advanced operators and another 50 kHz for Generals. On 15 meters (21,000-21,450 kHz), phone privileges would begin at 21,200 kHz for Extra, at 21,225 kHz for Advanced and at 21,275 kHz for General--no change for Extra and Advanced but 25 kHz more for General. On 10 meters, the ARRL has recommended no changes other than to accommodate CW, RTTY and data by Novice and Tech Plus licensees at 28.0 to 28.3 MHz.

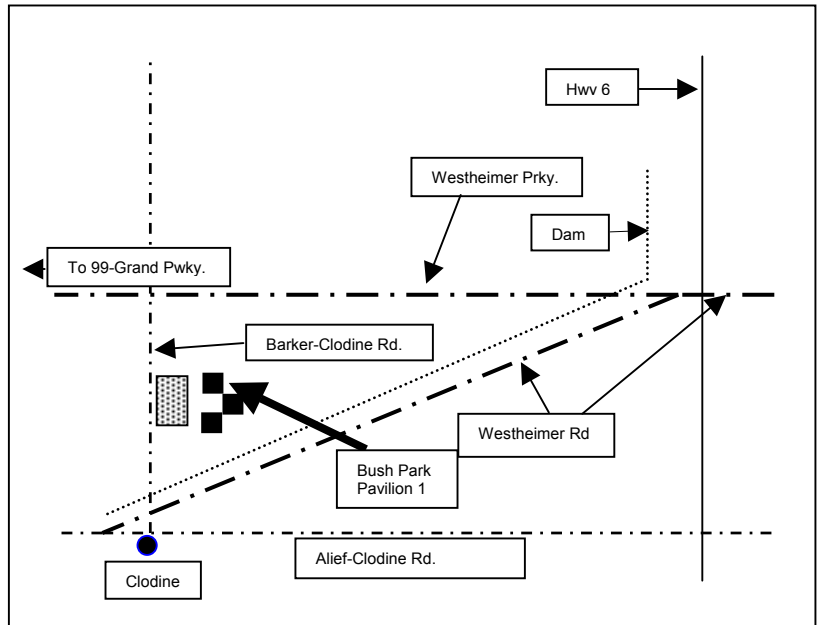
The ARRL suggested that its proposed configurations strike the right balance between the need for additional phone spectrum and

the important goal of encouraging further development of narrowband data modes in the CW segments.

The ARRL's "omnibus" petition also asks the FCC to permit amateurs to use spread spectrum on the 222-225 MHz band; expand the pool of special event call signs beyond the 1x1 format to include identifiers for US territories and possessions that do not provide for mailing addresses; clarify its rules to indicate that modulated CW (MCW) is permitted for repeater station identification; and to incorporate into its rules a 1990 FCC waiver authorizing amateurs in certain areas of Colorado and Wyoming to operate on certain segments of the 33-cm band. The League invited the FCC to consolidate its omnibus petition with other pending Amateur Radio-related petitions now before the FCC. A copy of the ARRL's complete Petition for Rulemaking is available on the ARRL Web site <<http://www.arrrl.org/announce/regulatory/refarm/>>

### 2002 Field Day in Bush Park

Here is a map of the Field Day location for the 2002 BVARC Field Day. Mark your calendar and come on out and help make this one of the best Field days ever!



The 2002 BVARC Field day location will be at the #1 Pavilion in George Bush Park, on South Barker Cypress and Westheimer Parkway, off of State Highway 6. This new location will allow BVARC to present field day activities to the general public in a more open area as well as easier access. George Bush Park has many activities from soccer fields to remote control airplanes to a shooting center.

The pavilion that we will be using has 17 tables in it that could seat about 138 people. There are 3 barbecue pits outside the pavilion area that are available for us to use. There is water at the pavilion as well as three electrical outlets. They even supply us with a pair of volleyball poles (I don't think they will be used to play volleyball. I bet they will be used for a 20-meter dipole!).

So start getting your equipment ready for field day. The June BVARC general meeting will be a "get ready for field day" meeting, allowing everyone to participate in some field day activity even if they cannot make it out to the field day location.

If you would like to help with Field Day, let me know at the general meeting or let me know by e-mail. Let me know any ideas you have to help improve field day and make it a better field day. We still need have a few more people to help with setting everything up on Saturday morning. After last's year high score, we should keep pushing and see what we really can do.

73's  
N0JAA

# BRAZOS VALLEY AMATEUR RADIO CLUB

## 2002 Membership Application

Check One:

New Membership

Renewal

Roster Update ONLY

Regular membership dues are \$16.00 a year. Lifetime Memberships are \$160.00. Additional family members may join B-VARC for only \$2.00 a year each with no additional copy of the newsletter.

Name: \_\_\_\_\_ Call: \_\_\_\_\_

Additional Family Members: \_\_\_\_\_ Call: \_\_\_\_\_

Additional Family Members: \_\_\_\_\_ Call: \_\_\_\_\_

Address: \_\_\_\_\_ Day Phone ( ) \_\_\_\_\_

\_\_\_\_\_ Zip+4: \_\_\_\_\_ Eve Phone ( ) \_\_\_\_\_

e-mail address: \_\_\_\_\_

Main area of interests in amateur radio: \_\_\_\_\_

License Class:		ARRL Membership?
<input type="checkbox"/> Novice	<input type="checkbox"/> General	<input type="checkbox"/> Life
<input type="checkbox"/> Technician	<input type="checkbox"/> Advanced	<input type="checkbox"/> Annual
<input type="checkbox"/> Tech+	<input type="checkbox"/> Extra	<input type="checkbox"/> Not a member
<input type="checkbox"/> Former Ham	<input type="checkbox"/> Not Yet a Ham	

I agree to observe the By-Laws of Brazos Valley Amateur Radio Club and rules and regulations of the Federal Communications Commission.

Signature: \_\_\_\_\_ Call: \_\_\_\_\_ Date: \_\_\_\_\_

Remittance:

Regular Membership \_\_\_\_\_ + Family Membership \_\_\_\_\_ = \$ \_\_\_\_\_

BVARC \*LIFE MEMBERSHIPS\* at \$160/Person \_\_\_\_\_ = \$ \_\_\_\_\_

TOTAL = \$ \_\_\_\_\_

Please make checks payable to BRAZOS VALLEY AMATEUR RADIO CLUB and write your call-sign, if any, on your check. Send this form and your check or money order to:

**Brazos Valley Amateur Radio Club  
P.O. Box 1630  
Missouri City TX 77459-1630**

## BVARC Calendar - April 2002

SUN	MON	TUE	WED	THU	FRI	SAT
	1 Net 9:00 pm 145.470	2	3 HF Net 7:00 pm 3962.5 +/-3KHz	4 <b>Board Meeting</b> 7:30 p.m. Sugar Land	5	6 Viking Den Breakfast 7:30 <b>Special Olympics</b>
7 <b>Tour de Cypress Bike Ride</b>	8 Net 9:00 pm 145.470	9 <b>VE Session</b> 6:30 pm	10 HF Net 7:00 pm 3962.5 +/-3KHz	11 <b>Homebrew Microphones Club Meeting</b> 7:30 pm	12	13 Viking Den Breakfast 7:30
14	15 <b>MS150 Vol. Meeting</b> Net 9:00 pm 145.470	16	17 HF Net 7:00 pm 3962.5 +/-3KHz	18	19 3 <sup>rd</sup> Friday Dinner * (below)	20 Viking Den Breakfast 7:30  <b>MS150 Bike Ride</b>
21 <b>MS 150 Bike Ride</b>	22 Net 9:00 pm 145.470	23	24 HF Net 7:00 pm 3962.5 +/-3KHz	25	26	27 Breakfast 7:30 Viking Den
28 <b>March of Dimes</b>	29 Net 9:00 pm 145.470	30				

\*3rd Friday Dinner - April 19 at Panda Garden Chinese Restaurant, 1043 Eldridge Road (FM 1876), at Jesse Pirtle Blvd. in Sugar Land. - 6:30p.m. SHARP!

## BVARC Calendar - May 2002

SUN	MON	TUE	WED	THU	FRI	SAT
			1 HF Net 8:00 pm 3962.5 +/-3KHz	2 <b>BOD Meeting</b> 7:30PM	3	4 Breakfast 7:30 Viking Den
5	6 Net 9:00 pm 145.470	7	8 HF Net 7:00 pm 3962.5 +/-3KHz	9 <b>Club Meeting</b> 7:30 pm at Ollie Middle School.	10	11 Breakfast 7:30 Viking Den
12	13 Net 9:00 pm 145.470	14 <b>VE Session</b> 6:30 pm	15 HF Net 7:00 pm 3962.5 +/-3KHz	16	17 3 <sup>rd</sup> Friday Night Dinner	18 Breakfast 7:30 Viking Den
19	20 Net 9:00 pm 145.470	21	22 HF Net 7:00 pm 3962.5 +/-3KHz	23	24	25 Breakfast 7:30 Viking Den
26	27 Net 9:00 pm 145.470	28	29 HF Net 7:00 pm 3962.5 +/-3KHz	30	31	



## **2001 MS150 COMMAND CENTER IN OPERATION**

The MS150 Command Post was manned by Tidelands Amateur Radio Club as well as several other amateurs from the Houston area. It a 24 hour "round the clock" effort for support for the bike ride. The command post works with all the 911 services on the bike route helping with medical dispatches that originate from riders on their cell phones.



**Projection screen of Medical Units via APRS**



**HF, VHF, and UHF was used for communications**



**Dispatchers from Texas City Police joined in to help.**

I wanted to take this home but somebody said no!



**Site of 2002 Field Day**



**Pavilion 1 in Bush Park**



## Motorola to Design, Manufacture and Market Equipment for Aerwāv's 220 MHz Spectrum Pipeline

Schaumburg, IL and New York, NY (January 18, 2002) — Motorola Inc. (NYSE:MOT) and Aerwāv, Inc. today announced an agreement through which Motorola will design, manufacture and market infrastructure, portable and mobile two-way radio products for use in the 220 MHz band.

"This event marks Motorola's first ever entry into the 220 MHz band," said Ken Notter, Motorola Communications and Electronics Inc. vice president. "Building on our position as a leading manufacturer in the two-way radio industry, we believe the soon-to-be-released suite of Motorola products will energize the 220 MHz market, since these products will provide enterprises and private carriers with significant new choices in wireless communications solutions."

As the largest owner of licenses in the 220 to 222 MHz frequency band, Aerwāv intends to leverage this dominant spectrum position for the development of new wireless communications businesses throughout the United States.

"Our agreement with Motorola establishes the type of strategic relationship that will help us advance our spectrum-leasing model," said Robert J. Shiver, Aerwāv chairman and chief executive officer. "Motorola's dedication to innovative and quality two-way radio products, coupled with the spectrum 'pipeline' that Aerwāv will provide, opens up significant new opportunities for wireless services nationwide."

Offering two-way trunked radio features such as group dispatch, one-to-one selective calling, wide-area seamless roaming, and efficient channel utilization, the Motorola products will be ideal for a wide cross-section of markets, including security, manufacturing, transportation, and utilities. Overall, these products will provide customers with a balance of high-level features, versatility, and cost. Motorola expects to begin introducing its 220 MHz products in the second half of 2002. Both companies will market and distribute these communications solutions directly to end-customers, as well as through Motorola's extensive nationwide network of dealers.





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

**Club Call sign - KC5OIG**

**BVARC's Website: <http://www.hal-pc.org/~bvarc>**

**Editor: Cameron Mitchell, K5CAM, [k5cam@arrl.net](mailto:k5cam@arrl.net)**

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

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 the Southwest Houston and Fort Bend county areas.

Today, BVARC is truly a general interest club with an impressive record of Public Service. The Amateur Radio Relay League (ARRL) has recognized the clubs commitment to service with the coveted status of Special Service Club. We are proud of our members who represent the 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 held generally 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 \$16 annually.

BVARC conducts A.R.R.L. VEC license exam sessions on the second Tuesday of each month. BVARC also conducts a Public Service Net at 9:00 P. M. each Monday on the Memorial Emergency Radio Association's 145.470 and 444.55 repeaters.

To obtain information about joining BVARC or its activities, contact John, K5LKJ, at 281-530-0432. New members and prospective hams should contact the Club's "Elmer", Ross, W5HFF at 281-342-3340 or [w5hff@juno.com](mailto:w5hff@juno.com).

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**VOLUME 25 ISSUE 3**

**March 2002**

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

**FIRST CLASS POSTAGE**

ADDRESS SERVICE REQUESTED