



BRAZOS VALLEY AMATEUR RADIO CLUB



AMATEUR RADIO FOR SOUTHWEST HOUSTON AND FORT BEND COUNTY

AUGUST 2007

VOLUME 31 ISSUE 8

BVARC AUGUST GENERAL MEMBERSHIP MEETING

7:30 PM, Thursday, August 9.
Sugar Land Community Center

ANNUAL ICE CREAM SOCIAL

Bring your whole family and friends to the Ice Cream Social. Bring you favorite ice cream, whether from Blue Bell or from your own homemade. There's always lotsa cookies, soft drinks and ice cream fixin's.

JULY GENERAL MEMBERSHIP MEETING REPORT

Orin Snook, KB5F, gave an interesting presentation on deed restricted antennas and various "reality checks" about this confusing subject. Rob Pulanski, KD5YVQ, gave a presentation on the results of Field Day.



Orin, KB5F - deed restriction info



Robert, KD5YVQ, - Field Day results

President's Corner

Well it has been a month or two since the last President's corner. Work has been keeping me busy and there are just not enough hours in the day to do everything. But enough of the excuses, there is a lot going on with BVARC in the upcoming months and that is what I here to talk about.

Coming up this month is the annual Ice Cream social. It is a great time for everyone and a great place to have a little ice cream. If you would like to help with the Ice Cream social give me call and let me know. I know I would appreciate your help.

Coming up in November is the annual Chili supper and the club elections. The two year positions that are open are: President, Recording Secretary and at large Director. If you would like to volunteer to help with club functions and event coordinations, contact the Board and let them know or simply have someone nominate you. Remember without your help serving the club, the club will die. We need your help to keep BVARC running and growing.

Also coming up is the BVARC banquet and the Greater Houston Hamfest. The banquet will be held around the second week of January at the Salt Grass Restaurant on the Southwest Freeway between 6:00 p.m. and 10:00 p.m. The date will be finalized sometime in late November.

During the banquet we present three awards for outstanding service for the club. The awards are: The Loop and Zepp; Dr. Bill and the Order of the Key. Your input is needed for these awards. If you would like to know more please check the web site for the qualifications and award history.

The Greater Houston Hamfest will be held on Saturday, March 1st at the Fort Bend County Fairgrounds. You will start to see flyers promoting it around the meetings over the next few weeks. We are needing about 20 volunteers for the Hamfest so if you would like to help out, contact anyone on the board of directors.

Don't forget the December meeting where we have home-brew night. Get ready and bring your best home-built equipment to show it off to club. In the past we have had extremely good turnout for this and I hope it continues this year. The meeting will be held at the community center on December 13th. If you would like to present your "creation," contact someone on the board and let them know.

Some of the functions planned for 2008 are New Ham and New Member night in February, licensing classes in March, and of course Field Day in June. So get ready for everything that is going on at BVARC!

73,
N5VCX

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<http://texasparadise.com/hars/> George DiLetto KD0RW

Public Service events

This month, there are no public service events to report. Check next month for activity in September.

RESULTS OF THE July 12th BVARC AMATEUR EXAMINATION SESSION by: John Moore, KK5NU

B-VARC sponsored and administered the ARRL's Amateur Radio License Examination session that was held on Tuesday, February 13, 2007 at HCC's Scarcella Technology Campus here in Stafford.

MEMBERS OF THE VE TEAM:

Dennis Dietrich, W5DDD
Jeffrey Fussell, KD5VGE
Larry Jacobson, K5LJ
John Moore, KK5NU
George Ontko, KM5VP

Twenty examination elements were administered during the evening to nineteen applicants. Eight new Technician licenses were attained; two new and four upgrades to General class; and four upgrades to Amateur Extra, with the total number of elements passed being 19. The overall "pass rate" for the evening was 90.5%.

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

Kenneth C. Booker	- {KE5PND}	- Technician
Jacob N. Goodspeed	- {KE5PNE}	- Technician
John C. Goodspeed	- {KE5PNF}	- Technician
Robert J. P. Goodspeed	- {KE5PNG}	- Technician
John M. Johnston	- K5EBQ	- General
Arthur E. Kettelhut, Jr.	- {KE5PNH}	- Technician
Ross H. Lasris	- {KE5PNI}	- Technician
Brady S. Light	- {KE5PNL}	- General
Clyde E. McMeans, Jr.	- {KE5PNJ}	- Technician
Christopher M. Newton	- KB5BSA	- General
William A. Newton, III	- KB5TAN	- General
Dudley M. Parkin	- W5DUD	- Extra
Mark A. Petrash	- {KE5PNK}	- Technician
Benjamin F. Secor, Jr.	- KB5VSY	- General
John G. Sharp	- {KE5PNM}	- General
Robert M. Sherman	- KE5OKQ	- Extra
David K. Stall	- N5MKK	- Extra
Mark C. Williams	- KD5ZBX	- Extra

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 Technology Center for making these excellent classroom facilities available to us for our exams each month.

Monday Night NET Updates

Don't forget the Monday Night Public Service Net starts at **8 pm**, 145.47 (PL -123.0). 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:

2/12 - 19 - Cam, k5cam	4/9 - 26 - Bill, ws5h	6/4 - 24 - Cam, k5cam
2/19 - 20 - Sid, n5zkd	4/16 17 - Bill, ws5h	6/11 - 33 - Bill, ws5h
2/26 - Pete, kd5qpx	4/23 - 26 - Pete, kd5qpx	6/18 - 24 - Sid, n5zkd
3/5 - 23 - Cam, k5cam	4/30 - 22 - Doug, kc5vyz	6/25 - 21 - Pete, kd5qpx
3/12 - 23 - Bill, ws5h	5/7 - 24 - Cam, k5cam	7/2 - 18 - Cam, k5cam
3/19- 17 - Sid, n5zkd	5/14 - 33 - Bill, ws5h	7/9 - 24 - Bill, ws5h
3/26 - 21 - Cam, k5cam	5/21 - 14 - Sid, n5zkd	7/16 - 16 - Sid, n5zkd
4/2 - 22 - Cam, k5cam	5/28 - 16 - Pete, kd5qpx	7/23 - 24 - Pete, kd5qpx

Old TVs to follow typewriters to dustbin under US Senate bill as passed

Old television sets, still used in about 40 percent of US households, are likely to be banished to the dustbin of history in less than two years from now under a budget bill passed by the US Senate.

The bill, which for the first time establishes that US broadcasters will switch from current analog transmissions to digital ones on February 17, 2009, is certain to result in a windfall for the electronics industry and the government.

The digital signal will help deliver a much sharper image and better sound, and will help high-definition television sets -- available in most US electronics stores -- realize their full potential, according to industry officials.

House Energy and Commerce Committee Chairman Joe Barton sought to assuage concerns, saying that under the bill that has already passed the House of Representatives, both consumers and manufacturers will have three years to prepare for the transition.

"That is more than enough time for manufacturers and retailers to move low-cost digital televisions and converter-boxes into the market ... for broadcasters to finalize their digital facilities, and for government and industry to prepare consumers for the transition," Barton said.

But consumer advocates were not so sure. They said the move may result in a major expense for about 40 percent of American households that own a total of up to 80 million old television sets.

To be able to receive the digital signal, these sets will require converter boxes that are expected to cost 60 dollars or more. The alternative is to replace them altogether with new high-definition models that, at least for now, are significantly more expensive.

According to Consumers Union, the digital television transition was likely to cost US consumers a total of more than two billion dollars in direct out-of-pocket expenses.

Meanwhile, the transition will bring in more than 10 billion dollars for the US treasury through the auction of public airwaves, the group said.

The move is also expected to result in a major boost for television sales.

Jeannine Kenney, a spokeswoman for Consumers Union, decried the fact the bill sets aside only 5 million dollars for consumer education.

"Consumers will have no idea what's coming and what they need to do to prepare for it, making it likely that tens of millions of television sets will go black on February 17, 2009," she warned.

From <http://www.physorg.com/news9291.html>

Minutes of July 6th 2007 Board of Directors meeting of the Brazos Valley Amateur Radio Club:

The July 6th, 2007 Board of Directors meeting for The Brazos Valley Amateur Radio Club attempted to meet at 7:30 PM at Denny's Restaurant; 8199 SW Freeway, Houston, TX. A quorum of officers were not present. No club business was conducted.

Attending were; Allen Brier, N5XZ (V P); Peter Sauermilch, KD5QPX (Rec. Sec.); Bill Stone, WS5H (At-Large Dir.); Cameron Mitchell, K5CAM; Dave Beers, AF5T

Submitted by Recording Secretary Peter Sauermilch-KD5QPX



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SPACE LIMITATIONS IN THIS NEWSLETTER

Due to space limitation in this issue of the newsletter, several articles had to be delayed. These include an article on a product review as well as one on Intermodulation Interference Analysis. Look for these in upcoming issues.

THE BVARC Rag Chew Net

July, 2007 check-ins

3910 KHz +/-3KHz Wednesdays at 7:00pm, John Whiteman, K5LKJ, Net Coordinator

07/04/07—N5CPA, W5UHZ, KJ5SS, K5LKJ, W5RH, N5XWB (6 check-ins).

07/11/07—K5LKJ, K5CEK, K5SEE, N5CPA, K5LOT, KJ5SS, K5LJ, W5RH, KE5NDB, WS5H (10 check-ins).

07/18/07—K5LKJ, W5UHZ, K5LOT, KJ5SS, N5CPA, K5LJ, WB5EXI, K5CEK, WB5PNL, W5RH, K5JWM, KE5NDB, KE5CDE, WS5H, KZ5I, K5ADA (16 check-ins).

07/25/07—K5LKJ, N5CPA, K5LBU, K5LOC, W5UHZ, K5LJ, K5IZO, WB5TNL, KE5NDB, WB5EXI, K5SEE, W5RH (12 check-ins).

BVARC Historical Vignettes – The WB5RDK Repeater

Allen Mattis N5AFV, Club Historian

An earlier BVARC Historical Vignette related the story of how BVARC struggled from 1977 through 1981 to have a 2-meter repeater that would be available for the club nets and for members to use on a regular basis. During that time period, the club used both the 146.16/.76 MHz Sugar Land Repeater located on the sugar mill near BVARC's current meeting site, and the Cypress Repeater Group (CRG) 147.60/.00 MHz repeater located on Dewalt Tower.

For a time, negotiations with Southwest Memorial Hospital appeared to be progressing for installation of a repeater on the hospital. However, an article in the March 1983 B-VARC Bulletin stated "In March, 1980, an agreement was executed between the Memorial Hospital System and B-VARC, Inc. to provide for the installation of a repeater on the hospital. Unfortunately, due to a number of setbacks, the installation was never made..." At the April 14, 1983 BVARC general membership meeting, Bob Spradling W5UBD, was authorized to dissolve the Southwest Emergency Radio Repeater Corporation that had been set up to operate a repeater under the 1980 agreement with the Memorial Hospital System. Even though this first attempt at having a repeater on Memorial Southwest Hospital had fallen apart, a foundation had been laid that would eventually bring results.

In March 1983, the B-VARC Bulletin reported that Mark Schneider, WB5RDK, was maintaining a repeater that operated on 145.45/144.85 with an antenna height of 85 feet. The location of the repeater was not given, but the BVARC Public Service Net moved to Mark's repeater in February 1983. The March 1983 edition of the B-VARC Bulletin also contained news that caught many club members by surprise:

WB5RDK REPEATER UP AND RUNNING AT NEW SITE

While the WB5RDK/RPT has been on the air for about a year now with an antenna elevation of about 85 feet, coverage has now been improved by moving the equipment to a site atop the Memorial Hospital (south-west) with a new antenna elevation of about 200 feet. Club members Mark Schneider (WB5RDK) and Cathy Schneider (KA5BNC) own the repeater. Mark (WB5RDK), Hal (N5BXP), Bary (N5FAB), Doug, (WB5IRI), and Ron (KA5GYG) moved the equipment, installed the antenna, and got the machine on the air at the new location on Saturday, February 12, 1983. The repeater was down for about 10 hours during the move. Operation at the new site is very good but work is already underway on improvements.

WB5RDK/RPT operates on the assigned pair 144.85/145.45 MHz. For owners of Bearcat Scanners the output can be received on 167.05 MHz. This machine has an output power of about 100 watts. Reliable communications are possible using fairly low power mobiles out to a radius of about 25 miles. High power mobiles can push it to about 50 miles on a good day. The 25 mile range covers the entire city of Houston of course. Often these distances are extended by virtue of good "conditions" making longer paths possible.

In March, 1980, an agreement was executed between the Memorial Hospital System and B-VARC, Inc. to provide for the installation of a repeater on the hospital. Unfortunately, due to a number of setbacks, the installation was never made. On February 7, 1983, a new agreement was executed between B-VARC, Inc. and the Hospital superseding the previous agreement which was no longer

workable. An agreement is necessary as the Hospital must conduct "business" with a corporate entity rather than a group of individuals. Accordingly, the repeater is now operating in conjunction with B-VARC, Inc. but not under the control of the club.

Within the near future a new corporation, MEMORIAL EMERGENCY REPEATER ASSOCIATION (MERA), will be formed as a separate entity which will expand repeater operations at the hospital.

A great deal of credit for making the move possible goes to Tom Cole (W5MXX), Director of the Department of Pastoral Care at Memorial Hospital. Tom hung in there with Bob(W5UBD) for three years trying to make this thing go. The Hospital has appointed Tom as their representative in all matters pertaining to Amateur Radio and has requested that Bob act as coordinator between the Hospital, B-VARC and the new corporation.

Repeater activity in Houston, Ft. Bend, county and surrounding areas has increased markedly. B-VARC, Inc. has already designated WB5RDK/RPT as the official repeater for its nets.

Not only was the newly relocated WB5RDK repeater available for use by BVARC members, but a Memorial Emergency Radio Association (MERA) repeater would also be located on the hospital. It was as if the club had gone from famine to feast.

Later that year, the B-VARC Bulletin stated that at the May 1983 BVARC general membership meeting, "Bob Spradling W5UBD, reported on the status of Mark Schneider's repeater, WB5RDK/RPT. There appears to have been some design problems with the repeater, and work is in progress to resolve them and also add some new features. Date for the repeater to return to active duty could not be ascertained as of this meeting." As a result the BVARC Public Service Net was moved back to the Cypress Repeater Group (CRG) machine.

In fairly short time, the design problems with the WB5RDK machine were corrected and the BVARC Public Service Net moved back to the WB5RDK repeater. Today, almost 25 years later, the WB5RDK repeater continues to be available for use by BVARC members and all amateur radio operators in the southwest portion of the Houston metropolitan area.

A future BVARC Historical Vignette will tell the story of the founding of the Memorial Emergency Radio Association (MERA).

BVARC EATING SCHEDULE

SATURDAY MORNING BREAKFASTS:

Otto's Bar-B-Que, 7:30 am, Fountains Shopping Center, SW Freeway.
New York Coffee Shop, 7:30a.m., 9720 Hillcroft, in Houston.

THIRD FRIDAY DINNERS:

Friday, August 17, 7:30p.m. - THE HICKORY BARN BAR-B-QUE,
11534 Wilcrest, in Houston, 77099.

Apophis – The Ultimate EmCom Event by Allen Mattis N5AFV

As many of you know, the term “EmCom” refers to emergency communications. RACES, ARES, ARRL Field Day, and public service events are some of the activities amateur radio operators participate in to help prepare them for the big day when they might have to provide critical emergency communications for their community. Scientists now believe that such a day may be coming in the year 2036.

The cause of this prediction is an 820-foot diameter asteroid named Apophis that scientists believe has a probability of 1 in 45,000 of impacting the Earth on April 13, 2036. Apophis was discovered on December 24, 2004, and it has been determined that the asteroid orbits the Sun every 323 days. Orbital prediction of an asteroid is a difficult task. Until early this year, scientists predicted a much higher probability of 1 in 37 for Apophis impacting the Earth in the year 2029. It was believed that Apophis would pass just below the geosynchronous communications satellites that orbit the Earth at an altitude of 22,300 miles.

What effect would such an event have on Earth? On June 30, 1908, a tremendous explosion occurred near the Tunguska River in Siberia. Scientists believe that a 200-foot diameter asteroid or comet entered the Earth's atmosphere causing an airburst that leveled 80 million trees over an area approximately 30 miles in diameter. Fortunately, the region was sparsely populated, but the limited records available suggest that hundreds of people if not more were killed.

Closer to home, the Barringer Meteor Crater in Arizona was formed approximately 50,000 years ago when a meteor 165 feet in diameter struck the Earth. A crater one mile wide and 570 feet deep was created by the impact. Chunks of meteoric iron were scattered over an area 8 to 10 miles in diameter. It has been estimated that a total of 30 tons of meteor fragments have been found in the area.

What can we expect from Apophis if it impacts the Earth? Apophis is much larger than the bodies that caused the Tunguska and Barringer events. If Apophis were to impact a populous region of Earth it would certainly be disastrous. As stated earlier, orbital prediction of an asteroid is difficult. Just because scientists have lowered their estimate of the probability of the impact of Apophis with the Earth, we must remember that the next revision of the probability estimate may result in higher probability numbers. I believe that we will hear more about Apophis as scientists continue to study the asteroid.

Northwest Amateur Radio Society
P.O. Box 90387
Houston, TX 77090-0387
<http://www.w5nc.org>

The Northwest Amateur Radio Society is pleased to have as our principal speaker on Friday, September 21st Coy Day N5OK, ARRL West Gulf Division Director. Coy will be speaking on the latest happenings at the ARRL, its "love affair" with the FCC and, in general, what the future holds for amateur radio.

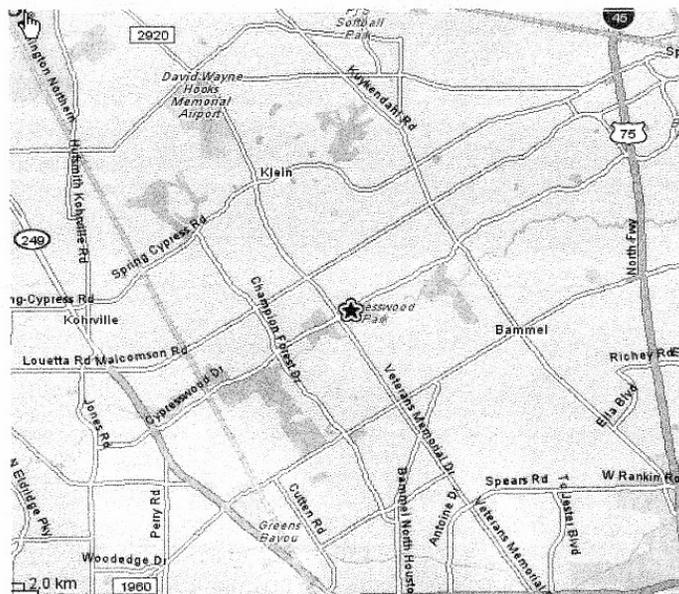
We invite all that have an interest in this great hobby of ours to attend this important speaking event. NARS has reserved a special facility at the Cypress Creek Christian Community Center to accommodate those that wish to attend. There will be a Q&A session at the end of Coy's presentation. Here's the chance to voice your opinion on where you believe amateur radio should be heading.

Please highlight September 21st on your calendar and pass the word on to your members of this important event. Here are the details:

Where: Cypress Creek Christian Community Center
The Forum
6823 Cypresswood Drive
Spring, TX 77379

Check out their web site at: www.thecentrum.org for detailed location.

Date: September 21st, 2007
Time: 7:30 p.m.



Need more info? Email Joe Sokolowski KD5KR at kd5kr@arri.net

BRAZOS VALLEY AMATEUR RADIO CLUB NEWSLETTER & CLUB QUESTIONNAIRE

There have been many discussions about improving the newsletter. We want to get comments from ALL members. Therefore please provide contact information below so we can follow-up to assure all participate.

Please either mail this form to the club mail box or give it to the Editor, John Chauvin, K5IZO, at the meeting.

Name: _____ Call: _____

E-mail: _____

How would you like to see the newsletter changed?

Would you like to see the newsletter go to an all electronic form (none mailed, you download it from the website)? If so, an announcement post card will be sent out before each meeting. YES NO

Comments: _____

What would make BVARC more interesting for you?

Suggestions for increasing membership

Any other comments about the club or amateur radio?

Thanks,

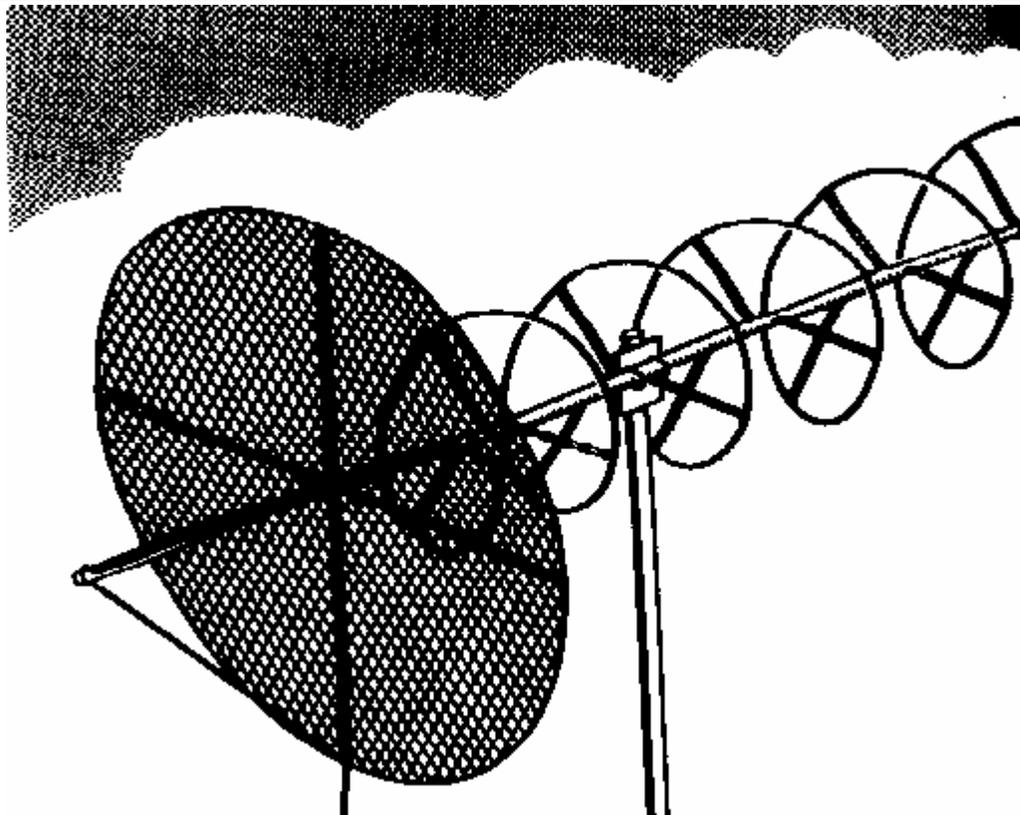
Brazos Valley Amateur Radio Club
Board of Directors

ARISS Contact Application Submitted for Houston Area Elementary School by Allen Mattis N5AFV

A couple of months ago the BVARC Bulletin contained an article about a proposed ARISS amateur radio contact between Austin Elementary School in Pecan Grove and the International Space Station. Scott McKee, NT5SM, the amateur radio contact coordinator between Austin Elementary School and ARISS submitted the completed application, and the school has been notified that the application was received and is being processed.

There is often a significant time lag between submission of an ARISS application and the actual contact. Many BVARC members and other amateur radio operators came forward and volunteered to help with this worthwhile project. We are now in a period where we have to wait while the application is processed. When the application is approved, a tentative date for the contact will be set. At that time, the clock starts running, and help from the amateur radio community will be needed.

It takes a number of different amateur radio groups working together to provide the necessary support for an ARISS contact to be successful. Both BVARC and Houston area AMSAT members are needed to provide the amateur radio expertise and support necessary for the ARISS contact. ARISS is sponsored by the ARRL, AMSAT and NASA. The fact that BVARC is an ARRL-affiliated Special Service Club makes BVARC an ideal participant for this project. As further information about the proposed ARISS contact becomes available it will appear in the BVARC Bulletin.



2006 Club Officers:

President:

Mike Hardwick, N5VCX
n5vcx@worldnet.att.net

Vice President:

Allen Brier, N5XZ
n5xz@arrl.net

Corresponding Secretary/Treasurer:

Sid Sherwood, N5ZKD
n5zkd@arrl.net

Recording Secretary:

Pete Sauerlich
kd5qpx@arrl.net

One Year Board Member:

Robert Polinski, KD5YVQ
polinski@swbell.net

Two Year Board Member:

Bill Stone, WS5H
dragwtow@wt.net

At Large Board Member

Rick Hiller, W5RH
rhiller@sdicgm.com

Club Happenings:

General Meeting

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

Board of Directors Meeting

First Thursday of each month,
Sugar Land Community Center,
See the website.

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 7:30 p.m.
Location announced in text of this edition.

Rag Chew Net

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

Public Service Net

Monday night on 145.47 (PL 123.0) at
8:00 PM

UPCOMING FEATURED PRESENTATIONS

August

Ice Cream Social

September

“Fun with Transmission Lines” by Rick Hiller – W5RH

October

TBD

November

Annual Chili Supper

December

Homebrew night

January

Annual banquet

Upcoming Hamfests

(within 200 miles of Houston)

Hamfest info for the next few months. More information at:

<http://www.arrl.org/hamfests.html#listing>

SWAMPFEST '07

15 Sep 2007

Southwest Louisiana Amateur Repeater Club

Habibi Temple, [2928 Pack Road](#), Lake Charles, LA

Talk-In: 146.730 (with tone off)

<http://swlarclub.bravehost.com/>

HamEXPO

6 Oct 2007

Temple Amateur Radio Club

Bell County Expo Center, [301 W Loop 121](#), Belton, TX

Talk-In: 146.820 (PL 123.0)

<http://www.beltonhamexpo.org>

Brenham Swapmeet

27 Oct 2007

Brenham Amateur Radio Club

Washington County Fairgrounds, [1303 East Blue Bell Road](#), Brenham, TX

Talk-In: 147.260 +600 (PL 103.5)

<http://www.alpha1.net/~w5aum>

Ninth Annual Coastal Bend Hamfest

10 Nov 2007

South Texas Amateur Radio Club

Hilltop Community Center, [11423 Leopard Street](#), Corpus Christi, TX

Talk-In: 146.82 -600 (PL 107.2)

<http://www.n5crp.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@arrl.net
Claude Sessions, K5HFY, k5hfy@arrl.net

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 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 Sugar Land Community Center, 226 Matlege 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 \$160.00.

BVARC also administers amateur radio license exams on the 2nd Tuesday of each month at 6:00 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 145.47 (minus offset, PL 123 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 31, ISSUE 8

AUGUST 2007

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

FIRST CLASS POSTAGE

BVARC Monthly Meeting ICE CREAM SOCIAL– Thursday, August 9

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