



BRAZOS VALLEY AMATEUR RADIO CLUB



AMATEUR RADIO FOR SOUTHWEST HOUSTON AND FORT BEND COUNTY

FEBRUARY 2003

VOLUME 27 ISSUE 2

Amateur Radio Spectrum Protection Act Reintroduced in US House

*Reprinted with permission from the ARRL website,
<<http://www.arrl.org/news/stories/2003/02/14/8/?nc=1>>*

NEWINGTON, CT, Feb 14, 2003--The Amateur Radio Spectrum Protection Act has again been introduced in the US House of Representatives. The measure is an ARRL legislative initiative. Florida Rep Michael Bilirakis put the latest version of the bill, HR 713, into the legislative hopper on February 12. It has been referred to the House Committee on Energy and Commerce. When last introduced in 2001, the measure was known as HR 817.

HR 713 is aimed at ensuring the availability of spectrum to Amateur Radio operators. It would protect existing Amateur Radio spectrum against reallocations to or sharing with other services unless the FCC provides "equivalent replacement spectrum" elsewhere. Bilirakis, a Florida Republican, has twice before sponsored similar legislation at the League's recommendation. A Senate version of the bill is pending.

The measure would amend the Communications Act to require the FCC to provide "equivalent replacement spectrum" to Amateur Radio and the Amateur-Satellite Service in the event of a reallocation of primary amateur allocations, any reduction in secondary amateur allocations, or "additional allocations within such bands

that would substantially reduce the utility thereof" to amateurs.

The ARRL is urging members of the Amateur Radio community to contact their representatives in Congress and request that they cosponsor HR 713. Experience has shown that, while most members of Congress understand and appreciate the benefits of Amateur Radio, some may

be reluctant to sign onto a technical piece of legislation without some indication of support from their own constituents. A [sample letter](#) is available on the ARRL Web site.

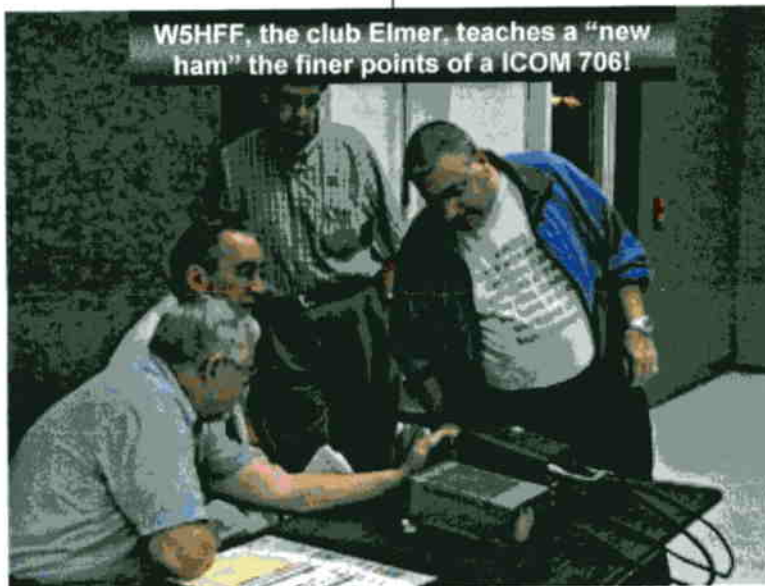
The 2001 version of the measure attracted 53 cosponsors in the House but last spring became one of many pieces of legislation caught up in the so-called "Enron logjam," during which the Internet and Telecommunications

Subcommittee did not meet, although its full committee, Energy and Commerce, held numerous hearings concerning Enron.

The text of HR 713 is expected to be available within the next few business days via the [Thomas](#) Web site.

New Ham Night a Success

BVARC members provided guidance to several new hams at New Ham Night on February 14th at the Sugar Land Community Center. Ross Lawler (W5HFF) set up a demonstration HF rig. Rick Hiller (W5RH) gave a talk on antenna modeling software and web resources for antenna builders. John Moore (KK5NU) provided information on the VE testing sessions.



FIELD DAY VOLUNTEERS NEEDED!!! Contact Orin Snook, KB5F at osnook@ev1.net

2003 Club Officers:

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

Acting Vice President:
Ross Lawler, W5HFF
w5hff@juno.com

Acting Secretary/Treasurer:
Cameron Mitchell
k5cam@arrl.net

Corresponding 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 Drive In
2939 S. Main, Stafford

Rag Chew Net

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

Public Service Net

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

Minutes of Brazos Valley Amateur Radio Club Board of Directors Meeting (UNAPPROVED)

February 6, 2002

Attendees: President; Mike Hardwick-N5VCX, 2 -Year Director/Club Elmer Ross Lawler-W5HFF, Corresponding Secretary/Treasurer, Cameron Mitchell K5CAM, Robert Moore-KK5UO, 1-Year Director Dave Scott-W5DZC, Recording Secretary, Joe W Morgan - K5JWM, Past Recording Secretary Bill Allen, Visitor Allen Brier.

Meeting called to order at 7:37 p.m. by President Mike Hardwick.

Comments: Cameron will stand in for Ron as Corresponding Secretary/ Treasurer. Ron Eisenbrey now has a job in San Antonio. Scanner Jack corner will be discontinued for the news letter. Ross said he will set up radio for new ham night, and made comments on starting 6 meter net. Allen Brier comments on Orin Snook situation with his 100 ft tower in Missouri City, and to see if the club could help out any way with Legal Defense Fund, and any other support that might help. Ross motion that we help Orin, Joe second the motion.

Emergency Business: Motion made for Cameron for Temp Treasurer, Motion past by all. (By-Laws need to be read and approved by Board next meeting). Need someone to volunteer for Vice President and Treasurer.

Old Business: Still need Calendar updated for 18 months. Discussions on the parking lot at March 15th-Tailgate sale. Review Board of Minutes for Aug, Dec, Nov. 2002 all past review, motion by Cameron second by Dave Need Field Day committee volunteers.

New Business: Cameron passed out Treasurer Report for review. Discussion about March program on line noise. Review Board of Minutes for Jan 2003 review, motion by Dave, second by Ross. Dave will check on fire training center for field day.

Announcements: BVARC members it's time to start volunteering for field day 2003.

Membership count: 123

Adjourn: 9:18 p.m.

Submitted by Recording Secretary Joe W. Morgan, K5JWM

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

2nd Annual Brazos Valley Amateur Radio Club

MIX 'n' MATCH SWAP MEET

8:00 a.m. to 12:00 noon March 15, 2003

Sugar Land Community Center

226 Matlage Way, Sugar Land

Talk-in on 145.470 (minus offset) 123.0 tone

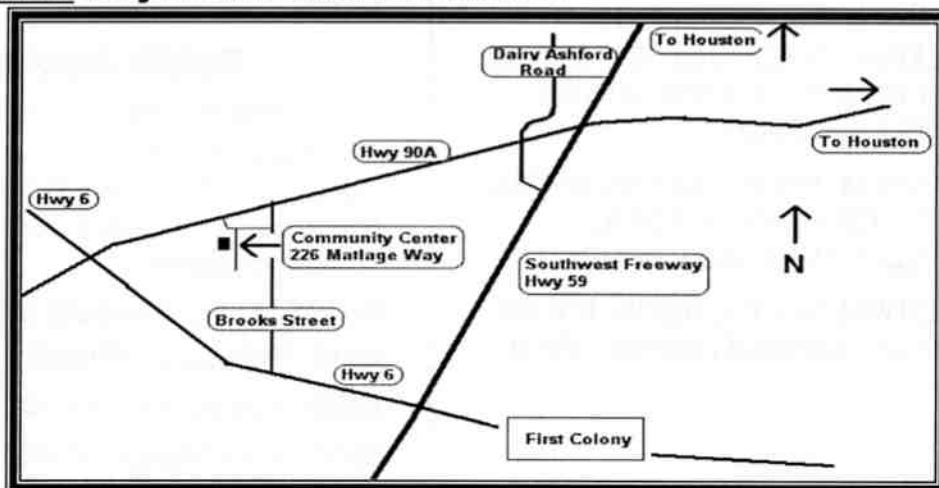
Table set-up starts at 7:00 a.m. Community Center closes at 1:00 p.m.

\$1.00 Admission

Refreshments available

Tables: ***Club members - 2 tables free, \$5.00 each after the first 2***
 Non members - \$5.00 each or 2 tables free with membership!
 Commercial tables - \$5.00 each

Time to do that spring-cleaning and bring out the best of the worst or the worst of the best of your equipment, accessories or just plain junk and get rid of it. Come on out and see what equipment you can mix or match with yours. Contact Mike, N5VCX at 713-771-4625, n5vcx@worldnet.att.net or Ross, W5HFF at 281-342-3340, w5hff@juno.com for your tables or information.



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Rag Chew Net

By Joe Morgan, K5JWM

January 2003

NOTE FREQUENCY CHANGE 3910 KHz

3910 KHz +/-3KHz Wednesdays at 7:00 pm,
 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 BVARC 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.

01/01/03__K5JWM,KE5SR,K5CEK,N5CPA,K5LJ,K5HFY, KD5O KC5VYZ, K5LBU, K5VRJAB5BA ,AB5RJ check-ins(12)

01/08/03__K5JWM,N5CPA ,KE5SR, K5CEK, WC5S, KB5F AB5WG, K5VRJ, AB5BA, K5LJ, KD5O,K5HFY, AB5RJ WB5VYR check-ins(14)

01/15/03__K5JWM, N5CPA, KE5SR, K5CEK, AB5WG, K5LBU K5HFY, KB5F, K5VRJ, AB5BA, AB5RJ check-ins(11)

01/22/03__K5JWM, N5CPA, KE5SR, K5CEK, K5LJ, K5HFY, KB5F, WC5S, K5VRJ, AB5BA, AB5RJ, N5VXU check-ins(12)

01/29/03__K5JWM, N5CPA, NM5K, K5CEK, K5LJ, WB5VYR, KD5QLK, K5VRJ, AB5BA check-ins(9)

Amateur Radio Testing

Results of the January 14th Testing Session

by: John Moore, KK5NU

BVARC sponsored and administered the ARRL-VEC Amateur Radio Examination session that was held on Tuesday, February 11th, 2002 at HCC's Scarcella Technology Campus here in Stafford.

Members Of The VE Team:

- Larry Jacobson, K5LJ
- John Moore, KK5NU
- John Koppenhaver, N0BNA
- Randy Pollard, AK5G

Two examination elements were administered during the course of the evening to two applicants. Both unlicensed candidate passed the Technician license exam, with the total passed elements being 2. The overall "pass rate" for the evening was 100%.

Congratulations to the following who passed an exam:

- Jeffery P. Fussel {KD5VGE}
- William T. Shircliffe {KD5VGF}

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 Net

Doug Woodruff, KC5VYZ - Coordinator

The 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:

01/27 24 Doug Woodruff, KC5VYZ

02/03 27 Cameron Mitchell, K5CAM

02/10 26 Kevin Foto, KD5O

02/17 29 Joe Morgan, K5JWM

Saltgrass Link System

by: Mike Hardwick, N5VCX

The Saltgrass Link system is becoming one of the more used link systems in Texas. For the hams out there that do not have some of the frequencies, here they are.

Location	Frequency	Offset	Tone
Houston	443.825	Plus	103.5
Houston	146.920	Minus	103.5
Woodlands	442.700	Plus	103.5
Galveston	444.725	Plus	103.5
Clute	444.425	Plus	103.5
Brazoria	147.340	Plus	103.5
Katy	444.075	Plus	103.5
New Waverly	442.725	Plus	162.2
Plum Grove	444.175	Plus	162.2
Victoria	443.225	Plus	103.5
Victoria	147.160	Plus	103.5
Flatonia	443.825	Plus	141.3
Davy	443.125	Plus	141.3
San Antonio	444.575	Plus	141.3
New Braunfels	443.500	Plus	141.3
Beeville	443.525	Plus	107.2
Bandera	442.375	Plus	141.3

02/03

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President's Corner

The New Ham and New member night brought in 3 new members to the club. New members are needed in clubs to bring in new ideas and interests. Everyone of the club members should try and bring in a new member each year. If we did this the club would really grow.

The 2nd Annual Mix & Match Swap Meet is coming up on March 15th. If you would like to help out with the swap meet, contact one of the board members and let them know. The swap meet is to help raise funds for the club treasury.

We are still looking for replacements for Vice President and treasurer/corresponding secretary. With Scanner Jack and Ron Eisenbrey leaving us for bigger and better things, their positions are open. If you are interested in helping with the management of the club, contact one of the board members and let them know.

Remember, without support from club members, the club will die.

YAESU INTRODUCES FT-897



The FT-897 is a rugged, innovative, multi-band, multimode portable transceiver for the amateur radio MF/HF/VHF/UHF bands. Providing coverage of the 160-10 meter bands plus the 6 m, 2 m, and 70 cm bands, the FT-897 includes operation on the SSB, CW, AM, FM, and Digital modes, and it's capable of 20-Watt portable operation using internal batteries, or up to 100 Watts when using an external 13.8-volt DC power source.

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02/03

Got OSX? Got Xwindows?

There's a new website featuring ham radio programs that will run under Mac OSX or Xwindows. The url is: <http://homepage.mac.com/smuncy/hamradio/HamsAndDX.html>

Silent Keys

E. J. Hadash, Jr., N5WAJ, age 48, became a Silent Key on February 27, 2003. "EJ" was the Red Cross Emergency Communications Coordinator for the Houston area.

Marion G. Chambers, W1MGC, ex KB5PAJ became a Silent Key on February 27, 2003. Both Marion and her son, Michael Chambers, WS1C ex KI5SC were club members in the late 80's and early 90's. Her Mother was one of the first radio operators to work at the stations at Woods Hole and Martha's Vineyard, MA. Her Father, one of the first Ship's radio officers for the Canadian Merchant Fleet.

Public Service Events

By Mike Hardwick, N5VCX, President

Here are some events for the rest of the year. Come out and help. 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 you are interested in any of these events, give me a call and I will send you information on the event. Call me at 713-771-4625 or e-mail n5vcx@arrl.net.

Bayou City Classic 10K Run

n5vcx@arrl.net Downtown Houston
March 8th, 2003, 15 operators needed

The Space Race Clear Lake/NASA Bike Ride

n5vcx@swbell.net, March 9th, 2003, 30 ops & net control needed

MS150 Volunteer Training

March 15th, 2003; for ms150 operators
hqrp.hams@ms150.org

The Bluebonnet Century Bike Ride

n5vcx@arrl.net, March 23rd, 2003, 25 operators needed

The Tour de Cypress Bike Ride

n5vcx@arrl.net, March 30th, 2003, 25 operators needed

Special Olympics Rosenberg

April 6th, 2002 15 operators needed, Lamar Stadium
kc5vyz@arrl.net

MS150 Meeting MS Office April 7th & 9th, 2003

For MS150 Operators hqrp.hams@ms150.org

Houston to Austin MS150 Bike Ride

Saturday & Sunday, April 12th & 13th, 2003 125 hams needed contact Mike n5vcx@arrl.net
www.ms150.org, hqrp.hams@ms150.org

March of Dimes Walk-a-thon

April 27th, 2003 15 needed at each location
n5vcx@arrl.net

U of H Main Campus

Greenspoint Mall

U of H Clear Lake

Cynthia Woods Pavillion

First Colony Mall

Shiner Bash Bike Ride

May ??th, 2003 15 needed on each leg
n5vcx@arrl.net

Houston & San Antonio & Austin to Shiner

Arthritis Joint Walk

May 17th, 2003 n5vcx@arrl.net 10 needed at each location

Memorial Herman SE

Memorial Herman SW

Woodlands Malls

MS150 Bike Ride Awards & Volunteer Party

June ??th, 2003 MS150 Volunteers
hqrp.hams@ms150.org

QRP in the Park

All are invited to join the Houston QRP (HQRP) group for their annual Spring Saturday in the Park - Saturday, April 26th, 2003 starting at about 0830 hours (Local Time) till we all get tired and quit. Houston's Memorial Park is the scene of this year's event. From the ball fields just south of Memorial Drive, take the entrance into the "Picnic area" through the gates and keeping to the right as you make the loop through area. We'll be on the right just before the loop road makes its turn back to the left to start the circle back to the entrance/exit.

It should be a fun time, weather permitting, and there should be lots of QRP rigs to play with. Last year we even had a small beam erected on the top of an extension ladder.

For details point to: <http://www.hqrp.stevens.com>

The beginning of the year had some unexpected changes on the board of directors. The board is currently looking for a "few good hams" to serve as Vice President & Treasurer/Corresponding Secretary. If you would like to help with club duties & functions, please contact one of the board members and let them know what position you would like.

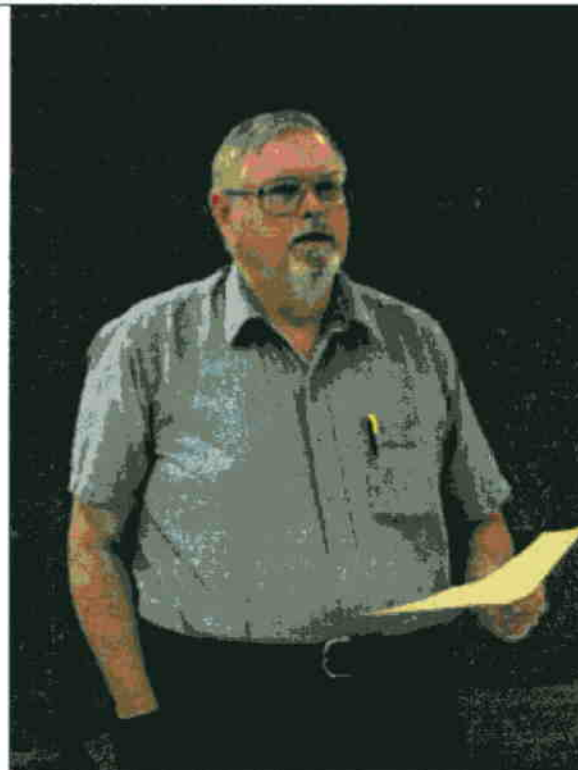
New Ham Night, February 14, 2003



Members browse informational materials



Rick Hiller shares his antenna resources.



Ross Lawler provides new ham information.

Hams Aid *Columbia* Debris Search in Western States

NEWINGTON, CT, Feb 26, 2003--Amateur Radio operators continued their involvement with efforts to locate space shuttle *Columbia* debris, as NASA's search shifted focus last week to include points west of Texas. According to NASA, the search for parts is running along the shuttle's re-entry path--basically 60 miles north or south of a line from San Francisco, California, to Lafayette, Louisiana.

New Mexico hams were among those helping to check in the Albuquerque area last weekend. "Based on a number of sources and analysis, NASA had reason to believe that debris from the shuttle *Columbia* may have impacted in Embudito Canyon," read a statement on the New Mexico Search and Rescue Support Team Web site. The team includes a number of hams in its ranks.

NASA wanted to follow up on both radar and eyewitness reports of possible shuttle debris in Embudito Canyon, which is in the Sandia Mountains east of Albuquerque. Authorities asked the NM SAR Support Team to provide communication and incident base support February 15 for a massive search involving more than 150 searchers. Although several small objects were found in the rugged terrain, none were attributed to the *Columbia*.

Keith Hayes, KC5KH, of the NM SAR Support Team estimates that more than 40 Amateur Radio operators participated as part of the effort, serving as incident command staff, providing communications for tactical and logistics support, and as members of field search teams.

"In addition to providing tactical and logistics support with its specialized communications trailer, 14 ham radio members of the New Mexico SAR Support Team provided additional APRS tracker and field team GPS track data collection," Hayes said. "Bernalillo County ARES Search and Rescue provided additional off-site logistical communications."

On February 24 near Caliente, Nevada, investigators continued to look for possible debris from *Columbia* that was tracked by air traffic control radar. Materials have been found in the area, but so far none have been confirmed to be from *Columbia*, NASA said.

NASA has asked anyone in Arizona, Nevada, New Mexico, and Utah for help in locating any material that may have fallen from *Columbia* as it was re-entering Earth's atmosphere. "Everyone is asked to be on the lookout for possible shuttle material 60 miles north or south of the re-entry track," NASA said.

NASA reminded searchers that shuttle material may not look like typical aircraft components. "Anyone who finds material suspected to be from the shuttle is urged to avoid contact, because it may be hazardous due to fuel residue," NASA said, adding that all debris is US government property and "critical to the investigation of the mishap." Suspected debris from the accident should be left in place and reported to government authorities, NASA said.

The search for shuttle debris continues in Texas and Louisiana, where Amateur Radio operators provided communication and other support during the first couple of weeks after the mishap. NASA says that ground searchers, helped by sunny but breezy weekend weather, continued to recover debris believed to be from *Columbia*. Among the finds were what was thought to be a main landing gear strut, additional parts of the left wing and a four-foot by six-foot foot piece of mid-body sidewall. Other items included what appeared to be a piece of orbital maneuvering system tankage and protective heat-resistant tiles.

More than 2400 ground searchers were in the field February 23 in 20-member teams based in the Texas towns of Nacogdoches, Hemphill, Palestine and Corsicana, NASA said. As of this week, no shuttle debris was confirmed west of the Littlefield, Texas, area. NASA also has asked skywatchers for any video or still images of the *Columbia* on its return flight. "Any imagery, especially video, of the shuttle's path might aid the *Columbia* Accident Investigation Board in determining the cause of the accident," NASA said.

Reprinted with permission from the ARRL website

Emergency Radio Kit by Kenwood

Kenwood introduces a new concept in disaster communications, the Portable Emergency Kit. Designed for instant set-up and use in even the most extreme field conditions, it includes tough Kenwood portable radios and a base station radio with every essential communications accessory. The kit is protected in a rugged weather-resistant case for easy handling and shipment to disaster sites. Indispensable for any public service agency, this kit is always ready when you need it. Each kit includes the following Kenwood products:

Features

- 1 TM-V7A 144/440 MHz Mobile base station
- 1 KPS-15 lightweight switching power supply
- 6 TH-G71A 144/440 MHz handhelds with Mil-Spec
- 1 (6) unit handheld rapid charger system
- 2 Business Band ProTalk XLS Handhelds
- 6 Emergency pouches containing various TH-G71A accessories



ON THE AIR: THE 5 MHZ EXPERIMENT - AN UPDATE

Also from the United Kingdom comes word that progress is being made with the analysis and future direction of the 5 MHz band experiment. This, following a meeting between members of the 5 MHz Working Group and experts from the Rutherford Appleton Laboratory. As a result, work is now under way to convert contact logs to a computer readable form with analysis results by April.

The meeting also looked at the fundamentals of the 5 MHz experiment and came up with a number of suggestions of ways of improving how it should be conducted in the future. These ideas will require further development and consideration by the full 5 MHz Experiment Working Group. It is hoped that this experiment and others conducted around the world could eventually lead to a new ham radio band. (RSGB)

Reprinted from Amateur Radio Newsline, Inc. TM Report #1333 P.O.Box 660937 Arcadia, California 91106

Types of Motorola Trunking Systems

Type I Systems	Motorola Type I Systems refer to the original Motorola systems that were based on Fleets and Subfleets. Each system had a certain number of Fleets assigned, and then each Fleet had a certain number of Subfleets and radio ids. The distribution of Fleets and Subfleets on a Type I system is determined by the system Fleetmap. Motorola Type I systems are not scalable because they limit the amount of IDs any fleet or subfleet can support.
Type II Systems	Motorola Type II systems refer to the the second generation Motorola Trunking systems that replaced Fleets and Subfleets with the concept of talkgroups and individual radio IDs. There are no dependencies on Fleetmaps, therefore there are no limitations to how many radio ids that can participate on a talkgroup. This allows for greater flexibility for the agency.
Hybrid Systems	A Motorola Hybrid system has "blocks" of the system that are Type I Fleets/Subfleets and Type II talkgroups. All radios may be Type II, or the Type I radios might be used exclusively in subfleets while the Type IIs are used exclusively in talkgroups.
Type Ili Systems	Motorola Type Ili Hybrid is a system that has Type I fleets and subfleets, and has Type II radios that are able to use those Type I fleet/subfleets. The common reason that an agency sets up a Type Ili Hybrid system is because they have newer Type II radios that they want to interoperate with older Type I radios, without having to create new Type II talkgroups
Type Ili Hybrid Systems	A mixture of Hybrid and Ili

BRAZOS VALLEY AMATEUR RADIO CLUB

2003 Membership Application

Check One:

☐ New Membership

☐ Renewal

☐ Roster Update ONLY

Regular membership dues are \$20.00 a year. Lifetime Memberships are \$160.00. Additional family members may join BVARC for only \$2.00 a year each with no additional copy of the newsletter.

Name: _____ Call: _____

Additional Family Members: _____ Call: _____

Additional Family Members: _____ Call: _____

(Note: If this is a renewal, please indicate only changes in personal information. Thanks.)

Address: _____ Day Phone () _____

_____ Eve Phone () _____

City: _____ State: _____ Zip+4: _____

e-mail address: _____

Main area of interests in amateur radio: _____

License Class:

☐ Novice ☐ General
☐ Technician ☐ Advanced
☐ Tech+ ☐ Extra
☐ Former Ham ☐ Not Yet a Ham

ARRL Membership?

☐ Life
☐ Annual
☐ Not a member

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 _____ = \$ _____

LIFE MEMBERSHIPS* at \$160 per 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

Calendar - March 2003

SUN	MON	TUE	WED	THU	FRI	SAT
						1 See *below
2	3 Net 9:00 p.m. 145.470 MHz	4 AMSAT Net 8:00 p.m. 145.470 MHz	5 HF Net 7:00pm 3910 +/-3KHz	6 BOD Meeting 7:30 p.m.	7	8 See *below Bayou City Classic 10K
9 The Space Race Clear Lake/NASA	10 Net 9:00 p.m. 145.470 MHz	11 VE Session 6:30 p.m. AMSAT Net 8:00 p.m. 145.470 MHz	12 HF Net 7:00pm 3910 +/-3KHz	13 Club Meeting 7:30 p.m.	14	15 Mix&Match Swap Meet MS150 Volunteer Training
16	17 Net 9:00 p.m. 145.470 MHz	18 AMSAT Net 8:00 p.m. 145.470 MHz	19 HF Net 7:00pm 3910 +/-3KHz	20	21 See ** below	22 See *below
23 Bluebonnet Bike Ride Hempstead	24 Net 9:00 p.m. 145.470 MHz	25 AMSAT Net 8:00 p.m. 145.470 MHz	26 HF Net 7:00pm 3910 +/-3KHz	27	28	29 See *below
30 Tour de Cypress Bike Ride	31 Net 9:00 p.m. 145.470 MHz					

Calendar - April 2003

	MON	TUE	WED	THU	FRI	SAT
		1 AMSAT Net 8:00 p.m. 145.470 MHz	2 HF Net 7:00pm 3910 +/-3KHz	3 BOD Meeting 7:30 PM	4	5 See *below Special Olympics Belton Ham Expo
6	7 Net 9:00 p.m. 145.470 MHz MS150 Hams Meeting	8 VE Session 6:30 pm AMSAT Net 8:00 p.m. 145.470 MHz	9 HF Net 7:00pm 3910 +/-3KHz MS150 Hams Meeting	10 Club Meeting 7:30 pm	11	12 See *below MS150 Bike Ride
13 MS150 Bike Ride	14 Net 9:00p.m. 145.470 MHz	15 AMSAT Net 8:00 p.m. 145.470 MHz	16 HF Net 7:00pm 3910 +/-3KHz	17	18 See **below	19 See *below
20	21 Net 9:00 p.m. 145.470 MHz	22 AMSAT Net 8:00 p.m. 145.470 MHz	23 HF Net 7:00pm 3910 +/-3KHz	24	25	26 See *below
27 March of Dimes Walkathon	28 Net 9:00 p.m. 145.470 MHz	29 AMSAT Net 8:00 p.m. 145.470 MHz	30 HF Net 7:00pm 3910 +/-3KHz			

* Saturday Breakfast: New York Coffee Shop at 7:00 a.m. & the Viking Drive Inn at 7:30 a.m.

** 3rd Friday Dinner: ?, 11534 Wilcrest, 1-1/2 blocks north of the Southwest Freeway.



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

Club Call sign - KC5OIG

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

Editor: Marie Schaer, KD5UJT, schaer@hal-pc.org

Production Team: Claude Sessions, K5HFY, k5hfy@arrl.net

John Moore, KK5NU, 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 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 sponsors 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 Ron Eisenbrey, 281-491-7823. New members and prospective hams should contact the Club's "Elmer", Ross, W5HFF at 281-342-3340 or w5hff@juno.com.

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**BRAZOS VALLEY
AMATEUR RADIO CLUB**

P.O. BOX 1630

MISSOURI CITY TX 77459-1630

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Don't Forget

Brazos Valley Amateur Radio Club's

2nd Annual Mix & Match Swap Meet

March 15th, 2003

8:00 a.m. Sugar Land Community Center



12/1/2009 E
Allen Mattis N5AFV
5314 WIGTON DR
HOUSTON TX 77096-5115

If your mailing label is
highlighted in color its time
to renew your membership