



B-VARC BULLETIN

The Monthly Publication of the
BRAZOS VALLEY AMATEUR RADIO CLUB
Serving Fort Bend and Harris Counties

Editor in Chief: Kelley Hughes N5ULZ (713) 499-9806 FAX: (713) 499-0279

About the Brazos Valley Amateur Radio Club . . .

Organized in 1977, the club has been growing steadily. It is a gathering place for HAM radio operators in Fort Bend and Southwest Harris Counties and surrounding communities. It is a general-purpose type of HAM club offering a variety of activities open to all interested persons. Membership is open, not only to licensed HAM operators, but also to anyone interested in the hobby. In addition to regularly-scheduled membership meetings, the club each year conducts classes leading to amateur radio licenses, and each month sponsors a volunteer-examiner team that offers examinations in all levels of HAM licenses.

To obtain information about the club and its various activities, as well as information about joining the club, contact Betty Wilcox, KA0TEN, at (713) 859-6512.

Volume: 17 Issue: 4

April 1994

ADDRESS CORRECTION REQUESTED

From: Brazos Valley Amateur Radio Club, Inc.
P. O. Box 1630
Missouri City, Texas 77459



Renew your Membership for 1994 if you haven't already!!

B-VARC MEETING SCHEDULE

Thursday, April 10 7:30 pm	General BVARC Membership Meeting - Sugar Land Community Center
Friday, May 5 7:30 pm	Board of Directors Meeting Sugar Land Community Center

Allen Mattis N5AFV
5314 Wigton Drive
Houston, TX 77096



B-VARC Calendar of Events

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
						7:30 AM B-VARC Breakfast 8:30 AM CW on 147.32 9:00 AM Hou. Emergency Management NET 146.84 (9:30 on 3.905)
					8	9
						7:30 AM B-VARC Breakfast 8:30 AM CW on 147.32 9:00 AM Hou. Emergency Management NET 146.84 (9:30 on 3.905)
					15	16
						7:30 AM B-VARC Breakfast 8:00 AM Sidewalk Sale 8:30 AM CW on 147.32 9:00 AM Hou. Emergency Management NET 146.84 (9:30 on 3.905)
					22	23
						7:30 AM B-VARC Breakfast 8:30 AM CW on 147.32 9:00 AM Hou. Emergency Management NET 146.84 (9:30 on 3.905)
					29	30
						7:30 AM B-VARC Breakfast 8:30 AM CW on 147.32 9:00 AM Hou. Emergency Management NET 146.84 (9:30 on 3.905)

3	4	5	6	7	8	9
7:30 PM A.R.E.S. Net 147.30	7:30 PM 34-94 Swap Net 146.94 8:00 PM Fort Bend County Emergency Net 145.49 9:00 PM BVARC Net 145.47 & Linked Repeaters	8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	7:30 PM B-VARC Board Meeting: Sugar Land Community Center		

10	11	12	13	14	15	16
1:30 PM Texas State RACES Net 7.248 7:30 PM A.R.E.S. Net 147.30	7:30 PM 34-94 Swap Net 146.94 8:00 PM Fort Bend County Emergency Net 145.49 9:00 PM BVARC Net 145.47 & Linked Repeaters	6:00 PM Amateur Exam Session Strake Jesuit College Prep. 8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	7:30 PM Membership Meeting Sugar Land Community Center		

17	18	19	20	21	22	23
7:30 PM A.R.E.S. Net 147.30	7:30 PM 34-94 Swap Net 146.94 8:00 PM Fort Bend County Emergency Net 145.49 9:00 PM BVARC Net 145.47 & Linked Repeaters	8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)			

24	25	26	27	28	29	30
1:30 PM Texas State RACES Net 7.248 7:30 PM A.R.E.S. Net 147.30	7:30 PM 34-94 Swap Net 146.94 8:00 PM Fort Bend County Emergency Net 145.49 9:00 PM BVARC Net 145.47 & Linked Repeaters	8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)			

Please report any changes or corrections to Kelley Hughes, N5ULZ, 499-9806

Notes From the President

by Doug Holley, KE5SR

Our February weather caused many problems for our BVARC general meeting; yet, March and April are so fully scheduled with events and activities, we wonder how we can keep up.

At our March 10 meeting, we had the honor of having our Army M.A.R.S. team provide the program. Our special thanks go out to Bill Morgan, AB5FF, Ken Winkler, KA5ARU, Jim Fauver, NY5H, and Lance Gordon, W5UNY, all of ARMY M.A.R.S.. Until the presentation, I had little knowledge of any of the M.A.R.S. programs, but was greatly enlightened and inspired by the presentation. A special thanks to their entire team for their time and information.

Also at the March meeting, the membership voted to amend the club by-laws, raising the annual general membership dues from \$12 to \$16 per year. Nearly 3/4 of the members voted in favor of changing the by-laws dues requirement. If you have already paid your \$12 for 1994 dues, don't worry about any additional dues. All dues will still be prorated quarterly as before, and additional family members will remain at \$2. Judging from the dues rates of the different club newsletters we receive, I think our \$16 is less than most of the other area clubs.

By the time this newsletter will be out, we will have had our K-5 Run Run, our M.S. walk, our Bluebonnet ride, and our BVARC campout. I apologize that these announcements were late and I promise to keep you better informed in the future. We did not prepare our yearly events calendar until the March 3 Board meeting.

Of importance, and it's not too late, BVARC is starting a Novice/Technician theory class March 21 at Strake Jesuit School. The classes will begin promptly at 7:00 PM, so all interested parties please plan to attend. Lots of individual help will be available, so we look forward to seeing you there. After the conclusion of the theory classes, those interested in continuing with the five and thirteen WPM code classes can continue.

Other coming events include Allen Crons, our ARRL Area Section Manager speaking at our program for the April 14 general meeting. I think this will be very informative and hope you can attend.

April 23-24 we have our big MS150 Bike Ride coming up. This ride is from Houston to Austin with an overnight stopover. I made this ride once and found it fun and rewarding—and I almost died! So be in good shape, because this is a serious ride.

The Pearland Hamfest will be held April 30. I have little details yet, but Claude Sessions, K5HXY, is your information contact on details. May 1st we have the ALA ride coming up and you need to contact Mike Hardwick, N5VCX for details.

BVARC RAG CHEW CHECK-IN
3.960 MHz 8:00pm Wednesdays
Compiled by Mel Thatcher, KB5ION

March 2, 1994

KB5ION (Net Control), WN5A, K15SC,
KB5PAJ, WA5OEN, N5YKR, N5RNR,
N5CPA, N5UOG, KE5SR, W5EFB, N5OAC,
W5J73TW, KB5ZRV, N5AFV, WB6RJA

March 9, 1994

N5CPA (Net Control), W5GHK, K15SC,
KB5ZRV, KE5SR, KB5ION, W5EFB,
KD4KEP, K5KND, K15W, AB5OK, KB5PAJ,
N5YKR, WN5A, N5UOG

March 16, 1994

WN5A (Net Control), W5EFB, KB5ION,
W5IHY, KB5TIB, W5GHK, K15SC, KB5PAJ,
AB5OK, KB5LFU, KE5SR, N5CPA

March 23, 1994

KB5ION (Net Control), N5AFV, K15SC,
KB5PAJ, N5OAC, N5CPA, N5ECP,
WA5OEN, K15W, W5EFB, W5GLD, AB5OK,
KB5ZRVIAA, W5IHY, N5KQJ, WN5A

March 30, 1994

KB5ION (Net Control), N5OAC, K15SC,
N5CPA, KE5SR, KB5PAJ, W5GLD, W5EFB,
WA5OEN, K5KQV, W5IHY, N5KQJ

Field Day this year will be held June 25-26 at Bear Creek Park, Pavilion #3. If water is a problem at this site, an alternate nearby site has been reserved. The alternate site will be Katy Park, Pavilion #3. Both sites have trees, cover, and restrooms. Katy Park is located at 24927 Morton Ranch Road near Bear Creek.

73's and good DX,
Doug Holley, KE5SR

I Speak - .- .- .-

Randy Pollard, AK5G

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B-VARC Board of Directors Meeting

March 3, 1994

by Bud King, N5UOG

A quorum of the BVARC Board of Directors met at the Sugar Land Community Center on March 3, 1994. This was the third meeting of the Board for the 1994 calendar year. The following Board members were present: Doug Holley, KE5SR; Mel Thatcher, KB5ION; Betty Wilcox, WA0TEN; Sam Wilson, N5CPA; Victor Richard, N5NAS; Claude Sessions, K5HFY; Vincent Orlando, WA5ETS; and Bud King, N5UOG.

President Holley opened the meeting at 7:30 PM. The minutes of the February Board meeting were submitted by Bud King and unanimously approved. The Club Treasurer, Sam Wilson, reported a balance of \$3,861.04 in the treasury as of February 28. The Treasurer's report was also unanimously approved.

Mel Thatcher reported on the activities of the Wednesday night "Rag Chew Net". On Wednesday the Net was held simultaneously on two separate frequencies by Mel and Sam Wilson. A total of 17 check-ins made the efforts of the two net controllers worthwhile.

Vincent Orlando stated that the Club membership had reached 178 as of March 3, 1994.

Mike Hardwick, N5VCX, Chairman of the BVARC Public Service Committee presented the Board with an up to date report on the activities of the committee. A schedule containing information on the events that are to be held in 1994 was included with the report. The new BVARC banner was turned over to Mike.

Doug Holley informed the Board that Marnie Kronberg, Lou Kronberg's XYL, had passed away. The Board expressed its deepest sympathy to Lou and his family.

The following events and dates were discussed:

BVARC Campout - April 9 & 10, site to be announced on the Monday Night Net.

Field Day - June 25 & 26, at Bear Creek Park, Pavilion #3.

Ice Cream Social - July 14, General Membership meeting.

BVARC Picnic - October 29, at The Doug Holley residence.

Chili Supper - November 10, General membership meeting.

Annual BVARC Dinner - Date and site to be announced.

Novice, Technician, and Code classes - Dates and sites to be announced.

The Board voted to remove an At-Large member due to his being unavailable to perform the duties of his office. The meeting was adjourned by Doug Holley at 9:15 PM.

Adolph

Alex - WA5UHT

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HEATHKIT SERVICE SOURCE

by Jack Van Demark, WN5A

I was doing some research on Heathkit service for amateur radio equipment and discovered that all Heath ham gear can be serviced by:

RTO Electronics

9046-3 US 31

Berrian Springs, MI 49103

Phone: (616) 473-3201

This could be of use to a great many hams that own older Heath gear and were wondering who could or would provide them with service and repair. Berrian Springs is just outside Benton Harbor where Heathkit operated for over 40 years.

73 de Jack WN5A

THE WORLD OF TEN TEN INTERNATIONAL

by Al Mattis N5AFV

Ten Ten International has announced a new WPX Award for working ten ten members with different prefixes in their call sign. The award, which is managed by Rex Holford, KF0YF, is given for collecting different prefixes in blocks of one hundred. A new system has been implemented for distribution of the 10-10 International News. The News is now printed and mailed from Omaha, Nebraska, instead of California. Because Omaha is centrally located, the use of bulk mail generally does not result in long delivery times. The "Reno Paperchasers Folly" will move to Las Vegas this year. The "10-10 Vegas Bash" will be held August 18-22, 1994. This annual get together has been held in Reno for the past ten years.

Many of the members of the Space Houston On Ten (S.H.O.T.) chapter are working on the various chapter upgrades. Claude Sessions, K5HFY, recently completed his Enterprise upgrade, making him an instant qualifier for the chapter's basic certificate. Other local members who have recently upgraded include AB5OK, KB5ZRV, N7WLC, and N5UOG. It's nice to see such a high level of participation in chapter activities.

Ten Ten paper chasers continue to be active on 28.345 MHz. Ten Ten chapters with specials for paper chasers this month include Busy Bee (CA), Wild Flower (AL), Branding Iron II (TX), Twin Tiers (NY), Ocean State (RI), Texas Gamblers (TX), River City (CA) and GB Ten (DX). A new chapter called the Certificate Chasers' Chapter has been formed in New York.

Despite the poor propagation conditions recently reported for ten meters, I continue to work many stations during my lunch period. I operate mobile from the 13th floor of a downtown parking garage, using a Realistic HTX-100 with a magnetic mount 5/8 wave antenna. Since writing last month's column, I have worked stations in NY, WA, NH, MA, RI, KS, VT, TX, OR, MT, CA, British Colombia, Nova Scotia, Quebec, Uruguay and Panama. The point here is that the ten meter band continues to have periods of good propagation, and that it is still possible to make many

contacts on the band with just 25 watts and a small mobile antenna.

Remember, the Houston S.H.O.T. (Space Houston On Ten) net meets every Tuesday evening at 8 pm local time on 28.488 MHz. All amateurs are welcome to check in, even if they do not have a Ten Ten number. If you are not a member of Ten Ten International and wish to join the organization, please check into the net. There are a lot of exciting activities in Ten Ten, and many friendly people can be found on the ten meter band.

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In Memory

Mamie Kronberg, wife of Lou Kronberg, W5IHV, passed away on March 7, 1994, after a long illness. The BVARC membership extends its heartfelt sympathies to Lou and other members of his family.

I have known Lou and Mamie through BVARC for many years and have grown to feel close to their family. It is difficult to express in words the loss we feel with her passing. We have wonderful memories of Mamie and will miss her.

Doug Holley, KE5SR

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Results of the March Amateur Exam Session

by Harold Parker, ND5F

B-VARC again sponsored and administered the ARRL's Amateur Radio Examinations that were held on Tuesday evening, March 8, 1994 at Strake Jesuit College Preparatory in Houston.

V.E. TEAM:

Bob Brigham, AA5ZK
Harold Parker, ND5F
Don Schexnailder, AB5IV

Assistants:

Carl Albrecht, AA5JW
Cass Germany, KG5IT

A total of 33 exams were administered during the evening to 15 applicants. Seven (7) unlicensed candidates received their new licenses: 4 Technician Plus and 3 Technicians. Three (3) others upgraded with a total of 23 elements passed. The overall "pass rate" for the evening was 70%. Congratulations to the following who upgraded and/or passes exams.

James Dale - Technician Plus
Gary Duck - Technician
Ron Eisenbrey, KC5DFX - Extra
Sanjuana Frank - Technician
Robert McPherson, Pending - Advanced
Thomas Nickle, W3GNM - Extra
Mitchell Peterson, KE6AAK - Technician Plus
Javier Sarmiento - Technician
Steve Spaniol - Technician Plus
James Strasen - Technician Plus
Alun Waters - Technician Plus

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 Vincent, WA5ETS, and everyone at Strake Jesuit College Preparatory for making these excellent classroom facilities available to us for our exams each month. Remember, the second Tuesday of every month is our Exam session night.

73 de ND5F



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Lou Kronberg
Chairman of the Board
WSIH

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Houston, TX 77005

LF LISTENING ON THE NORTH SLOPE OF ALASKA

by Al Mattis N5AFV

During my recent trip to the Prudhoe Bay area, I took along my WR-3 VLF Natural Radio Receiver. The WR-3 is a broad band receiver covering 0.1 to 10 kHz. The radio is distributed by S. P. McGreevy Productions, 45 Elda Drive, San Rafael, CA 94903. The cost of a WR-3 is \$65, but a modified version with a recorder jack and a filter to reduce 60 hz powerline hum is available for \$90. The radio measures 4.5 by 2.5 by 1.2 inches and weighs a mere 8 ounces with a standard 9-volt battery. A 33-inch telescoping whip antenna is provided. The WR-3 has no speaker, and headphones such as Radio Shack's Nova 34 (Cat. 33-1000A - \$5.95) are recommended.

The frequency range of the WR-3 allows one to listen to some unusual radio phenomena. Mysterious whistlers, sferics, tweeks, chirps and dawn chorus, all related to lightning, may be heard during the hours of darkness. Previous workers report enhancement of these signals in polar regions, and during times of aurora borealis or northern lights. Because I was going to a polar region known for its aurora borealis, it seemed logical for me to take my WR-3 along.

Before I packed my WR-3, I put in a fresh 9-volt battery, and checked the headphones to make sure they were operating properly. My WR-3 has been modified with a filter choke and capacitor to reduce 60 hz powerline hum, and I also tested this circuit. After arriving at Prudhoe Bay, several days passed before my work schedule allowed time for the WR-3. In my sleeping quarters, I carefully assembled the unit and turned it on. The 60 hz powerline hum was much stronger than in Houston, and my filter circuit could not adequately reduce the hum. It was time for the real test. I slipped on my boots and grabbed my parka.

The temperature was 34 degrees below zero when I stepped outside. As I moved away from the AC

powerlines, I immediately heard strong chirps and tweeks. After about 60 seconds, the volume faded down to nothing, as the bitter cold drained power from the 9-volt battery. I put the WR-3 under my parka, and after about 5 minutes, I could again hear chirps and tweeks. It was then that I noticed the wire on the Nova 34 headphones was no longer flexible - it was so rigid that I was afraid it would break if bent. As I examined the WR-3, I noticed that the antenna appeared to be loose. The shaft of the antenna is crimped onto a threaded base which attaches to the radio, and it was this crimped connection that had come loose. The WR-3 was clearly not designed for use at such cold temperatures. I listened to the WR-3 a number of additional times, always inside where I had to fight the AC powerline hum. The tweeks and chirps I received through the hum were stronger than those I hear in Houston, but no whistlers were heard. Even though I can not claim much success at LF monitoring on the North Slope, it was enjoyable and provided a diversion during my rest periods.

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Computers and Ham Radio

by Kelley Hughes, N5ULZ

Last month we talked about the Forum on Compuserve called HAMNET, and the various activities and information available there. This month we will discuss a little more in depth about how to access Compuserve, the costs involved, etc..

In order to access Compuserve for the first time, you will need several things. First of all, you will need some type of communications software for your computer. There are numerous software programs which can provide you with basic access capability, ranging from commercial products such as ProComm Plus, Crosstalk, or HyperAccess, to shareware programs. Even the lowly comm application "Terminal" packaged with Windows will work just fine. Compuserve can be accessed with any of these programs with no problems. In order to access Compuserve, or "log on" to the service, you will also need a Compuserve Introduction Kit. A Compuserve Introduction Kit can be purchased at any retail software store, and the list price is, I believe, \$29.95. This kit provides you with the access phone number, an Identification Number, and a temporary Password. Included in the price is two hours of free access time. You can also find introductory kit samplers included as freebies in many retail software programs. These will also provide you with some free access time, an ID number, and a temporary password.

The first step in logging onto the service is to follow the instructions in the kit. Dial up the service with the number provided, enter your ID and password when prompted, and follow the on-screen instruction to register with Compuserve. In order to activate your account, you will need to provide them with a payment option. You can either provide them with a credit card number which will be automatically billed, or supply them with the required information so that they may draft your checking account for your charges.

During the on-line registration process, you will need to choose which type of pricing option you want. There are two options available. The first is called the Standard Pricing Plan. This plan charges you a flat monthly fee of \$8.95 for unlimited access to a large variety of Compuserve services. Not included in this charge is time spent in certain areas of the system, including the various Forums or Special Interest Groups (HAMNET is one of these forums). If you venture outside of the Basic Services areas, you will be billed on a per minute basis depending on your modem access speed. The higher your access speed, the higher the charges. (At 300 baud, the charges are \$4.80/hour; 1200 and 2400 baud - \$4.80/hour; 9600 and 14,400 baud - \$9.60/hour). These charges are ONLY added when you are accessing non-

standard areas of the system. The Alternative Pricing Plan simply bills you a fee of \$2.50/month plus time charges for all access. These rates are slightly higher than the standard plan. (300 baud - \$6.30/hour; 1200 and 2400 baud - \$12.80/hour; 9600 and 14,400 baud - \$22.80/hour).

In order to maximize your cost efficiency when accessing Compuserve, I recommend one of the many automated access programs which are available. These programs automate all access to Compuserve, going "on-line" and downloading all message information quickly then "logging off". This only takes one or two minutes. Then you may read the messages and information at your leisure while not connected to the service, thereby saving you much money. There are several of these automated programs available. For Windows users, a program called WinCIM (for Windows Compuserve Information Manager) is very good, and for DOS users I recommend TapCIS. Both of these programs are available for download in their own respective forums on Compuserve. I use TapCIS, even when in Windows, because I like its speed and interface. Others seem to like WinCIM better...its a personal choice. Both are available to "try before you buy" as Shareware. I will talk about Shareware and its benefits next month.

There are several free areas on Compuserve which can be used to practice navigating and utilizing the services available. At any I prompt, type GO PRACTICE, then press <Enter>. This will take you to the practice area of Compuserve which is totally free of connect charges. After practicing at navigating a forum, you are ready to branch out into other forums (fora?) and explore the information available. To get to HAMNET, at any I prompt simply type GO HAMNET, the press <Enter>. To access the TapCIS or WinCIM forum, try typing GO WINCIM or GO TAPCIS at any I prompt.

A final word of advice. DON'T GET DISCOURAGED! Navigating and utilizing Compuserve can seem unfriendly and daunting at first. Do not let this deter you from exploring and learning how to use this amazing wealth of information. I guarantee that once you become more adapt at getting around the service, you will find more and more information and services which you will access on a regular basis. There are always people available to answer your questions. You can type GO FEEDBACK at any I prompt while on line and leave a message for the Compuserve people themselves, or just ask anyone in any forum. On line users are a notoriously friendly lot, and are usually more than willing to help a newcomer out. If you would like, simply call me and I will help you as much as I can. I can be reached at 499-9806 most any time. See you on Compuserve!

73 de N5ULZ

Public Service Update

by Mike Hardwick, N5VCX

The last few weeks have been very busy with an event going on each weekend. The K-9 Fun Run on March 13 went very well, with 14 Hams working the event. No major problems occurred with the participants, and the only major operational problem was a disappearing supply truck driver (as usual, Amateur Radio communications took care of the problem). The MS walk went very well, also. Since the MS people coordinating it had never had Amateur radio communications before on the event, they were very pleased with our service and will be glad to have us work the event next year. I would like to thank John Vaughn, KC5FEV, for taking on the job of handling the event and Net Control when I was unable to do so due to a death in my family. He did an excellent job, so he will be my number one draft choice for future events. The last event in March was the Bluebonnet Express Bike Ride. The weather turned a bit nasty, but there were still about 600 riders willing to brave the elements and participate. Twenty-five Hams worked the event which was held in the Hempstead area.

The next two big events are the MS150 Bike Ride to Austin, April 23 and 24, and the ALA Clean Air Bike Ride on May 1. At this time, the only positions that are still open on the MS150 are for SAG vehicles, which require two days. For the ALA Clean Air Ride, all positions are open. If anyone is interested in this event or others, please give me a call: 662-6800 or 443-8636.

Don't forget about the March of Dimes Walk-a-Thon on April 17. ECHO will be handling the communications, and they still are in need of some operators. Give them a call and help them out.

Here is a reminder list of the events for the next few weeks:

EVENT	DATE	CONTACT
March of Dimes Walk-a-Thon	Sunday April 17	Don Daze, KC5AK W/853-7644 H/484-7286
MS150 Bike Ride	Sat/Sun April 23, 24	Bret Pritchard, N5VOY W/H/645-5400

ALA Clean Air Sunday
Bike Ride May 1

Mike Hardwick, N5VCX
W/443-8636
H/662-6800

Katy Flatland Mid-July

Mark Cole, KB5WZB
H/479-1800

If anyone would like to work any of these events, please call the event coordinator for that event and sign up. Have yourself a Fun and Useful time using Ham radio!

Special Thanks to

KHTV
CHANNEL
39

For providing the facilities and equipment
to print the BVARC Bulletin

M.E.R.A. UPDATE

Recent upgrades and improvements to the M.E.R.A. repeater have left the M.E.R.A. treasury depleted. There is little money left for any upgrades or repairs to the repeater. **If you are a user of this repeater and have not donated recently, your donation of \$10 would be appreciated.** You may send your donation, check payable to M.E.R.A., to Harold Parker, M.E.R.A. Secretary Treasurer, 1915 Spillers Lane, Houston, TX 77043.

1994 B-VARC PUBLIC SERVICE HONOR ROLL

Compiled by Mike Hardwick, N5VCX

A. Houston Marathon
B. K-9 Fun Run
C. MS Walk Around the World

D. Blue Bonnet Express

Cheek, Ralph	KB5DNT	A,B,C
Cole, Mark	KB5WZB	B,D
Cox, Lawrence	N5OUZ	A
Culver, Craig	AB5OK	A
Daze, Don	KC5AK	A
Dessens, Bill	N5KXU	A,C
Dillard, Ray	WA5F	A
Dunkelberger, Steve	N5JBL	A,B
Gentle, Michael	KB5TOJ	A
Guillet, Guy	KC5AGW	C
Hacker, Carl	KB5LDY	A,B
Hagerman, Dick	WB5SRN	A
Hall, John	KC5EHW	A
Hardwick, Mike	N5VCX	A,B,D
Hughes, Kelley	N5ULZ	A
Jackson, Emmett	N5RZN	A
Jones, Dwayne	KB5YTA	A
Keng, Charles	N5XGW	A
King, Bud	N5UOG	A,B,C
Kozinetz, Claudia	N5VCZ	A,B
Levy, Larry	WD5DRB	A
Mattis, Allen	N5AFV	A

Meleka, Patricia	KC5CMU	B,C,D
Michnimer, Terry	N5YKS	A
Morrison, Henry	W5RIY	A,B
North, Max	N5TBI	A
Orlando, Vincent	WA5ETS	A
Parker, Harold	ND5F	A
Pollard, Randy	AK5G	A
Pritchard, Bret	N5VOY	A,B,D
Roberts, Jack	KB5TMY	A
Smith, Irv	KB5EXM	A
Starr, Oraida	N5WMA	AB,C
Stiver, Esther	KB5URT	A,B,C
Stiver, Frank	N5TGM	A,B,C
Taylor, George	AB5LT	A
Truitt, Ed	KD5JC	A
Turner, David	WB5TCW	A
Vaughn, John	KC5FEV	C,D
Wade, Don	WB5IBT	A
Wardlow, John	KB5ZBR	A
White, Bob	KF5ZL	A
Wilson, Bill	KA5GHI	A,D
Winford, Clem	WB5SHU	A

Please report any corrections to N5VCX

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