

# THE B-V ARC BULLETIN

THE MONTHLY PUBLICATION OF THE BRAZOS VALLEY AMATEUR RADIO CLUB



Volume 18 Issue 2

February, 1995

## Notes From the President

by Carl Cunert, WB8SVR

HELLO again from the shack of WB8SVR.

Well, our first meeting of 1995 is lustrous, and membership looks very healthy. Many people who were never members before have joined our club. And to those new members, again let me say welcome...we need and appreciate your participation. There is a full year ahead of us with events, hamfests, etc.

Speaking of events, probably the last Novice Roundup was held last month. Because of the changing face of our hobby, the ARRL is looking into the NR and will either revise the contest for today's times or end it altogether. As a person who loves the romance of CW, I will miss this activity dearly. For those who never participated in NR, it was a great way to work all 50 states and some DX (maybe if you were lucky), and do it all in one evening.

Our hobby has changed almost overnight. Radios are more technical, more compact, and more advanced. We all need to keep up with this wind of change. Computers alone are becoming more a part of our toys. I'm hoping that maybe at one of our meetings we can have a program on the use of Windows. It may take more than one

program, but with many of us wanting to integrate our computers to our equipment, many of the programs we would use in this application use Windows applications. If not for that reason, then many of us have PC's at home for personal use and I know I sure could use some help in that area.

Also, in May, we will be honored with a program from the F.C.C. We are privileged to have a member of our hobby who lives here in Houston who works for Uncle Charlie. While we have some concerns to voice at this program, let's remember first that he is one of us, and not against us. I'm sure his concerns are a lot like our own.

Last month's program was on "Working Special Events". And to the members of that program, THANK YOU.

And finally I'd like to give a big thanks to KB5YTA who is your program chairman. Dwayne also does your Monday night net (and still needs your help for this). If you have any ideas for him or if you want to help with the net, I'm sure you will find that you are very welcomed. THANK YOU MR. JONES.

73's to all and C.U. down the page.

Carl, WB8SVR

### President:

Carl Cunert, WB8SVR  
530-2052

### Vice-President:

Ron Grimes, WA5SCE  
495-6193

### Recording Secretary:

Louis House, KD5GM  
498-5639

### Corresponding Secretary:

Billy Jones, KC5EVD

### Treasurer:

Donn Washburn, N5XWB  
498-0569

### 3-Year Board Member:

Bud King, N5UOG  
494-3741

### 2-Year Board Member:

Claude Sessions, K5HFY  
242-6069

### 1-Year Board Member:

Vic Richard, N5NAS  
461-3331

### Past President:

Doug Holley, KE5SR  
342-8028

# Board of Directors Meeting

by Louis House, KD5GM  
Recording Secretary

A quorum of the B-VARC Board of Directors met at the Sugar band Community Center, on February 2, 1995. This was the second meeting of the calendar year. The meeting was called to order at 7:30 p.m. by President Carl Cunert WB8SVR.

The following Board Members and Guest were in attendance: Carl Cunert, WB8SVR; Ron Grimes, WA5SCE; Doug Holley, KE5SR; Billy Jones, KC5EVD; Donn Washburn, N5XWB;

Louis House, KD5GM; Bud King, N5UOG; Victor Richard, N5NAS; Mel Thatcher, KB5ION; Harold Parker, ND5F; Randy Pollard, AK5G; Sam Wilson, N5CPA; Carl Hacker, KB5LDY; Mike Hardwick, N5VCX; Larry Wilson, N5YYP; Jack Roberts, KB5TMY; Terry McCoy, KC5LST.

Corresponding Secretary, Billy Jones, KC5EVD reported that the Data Base to do the Club Roster is in good shape and added that the address labels are also on MicroSoft now. Billy stated that he is still looking into the bulk mail postal rates.

Treasurer Donn Washburn, N5XWB reported that after all expenses, including the banquet, the treasury has a balance of \$3405.45 as of February 2, 1995. Donn also reported a club membership of 131 to this date.

The January minutes were presented by Louis House, KD5GM. a motion was made and passed to strike from the minutes an issue concerning life membership status until further information can be obtained about life membership status.

The Exam Committee Chair Harold Parker,

ND5F, reported a very successful year for the B-VARC VE Group. Harold also volunteered to continue in this capacity for 1995 and was given approval and appreciation for a job well done.

Bud King, N5UOG presented President Cunert, WB8SVR with a list of names who should receive a letter of thanks and appreciation for the use of facilities for B-VARC functions.

Bud also asked the Board of Directors for direction in acquiring space from H.E.S.S. for future Banquets for B-VARC. A motion for Bud to acquire the H.E.S.S. facilities passed with a majority vote.

Code Class Chair Louis House, KD5GM reported that 7 persons had signed up for the code class which starts on Monday February 6.

The 75 Meter Rag Chew Net Manger, Sam Wilson, N5CPA reported an average of 11 check-ins for each night in January. Sam stated that the net time has been changed to 7:30 CST and will change to 8:00 p.m. CDT in April.

A motion was made and passed to declare appreciation to Mel Thatcher, KB5ION, for his several years of continued and faithful service as the Rag-Chew Net Manager

Special Events Chair, Mike Hardwick, N5VCX spoke briefly about his meeting with the Soap Box Derby officials. This event is scheduled for June and details are pending. Mike reported on other events: K-9 Fun Run on March 12, contact Steve Dunkelburger, N5JBL; MS Walkathon March 19, contact Mike Hardwick, N5VCX; and the Bluebonnet Bike Ride, contact Bret Richard, N5VOY.

The treasury audit was given by Bud King, N5UOG. In brief, all the books are in order and an appreciation for Sam Wilson's "exemplary manner" of business was appreciated.

A discussion concerning silent Key listings brought about a motion to list deceased, non-licensed club members in a separate category other than the silent Key listing for those who were licensed. The motion passed unanimously.

President Cunert adjourned the meeting at 9:30 PM.

## THE WORLD OF TEN TEN INTERNATIONAL

by Al Mattis N5AFV

The Ten Ten International 1995 Winter QSO Party was held February 4-5, 1995. Participants enjoyed the event, despite the relatively poor propagation that exists during the low portion of the sun spot cycle. A number of Caribbean amateurs, including VP2VF in the British Virgin Islands, were worked by Houston area stations during the contest. The Houston SHOT chapter thanks all local amateurs who participated in the QSO party.

The Houston SHOT chapter continues to receive upgrade applications for its award program. The chapter's Lunar Landing certificate issued last summer, and the special upgrade program held in November have created interest in the the chapter's awards.

Despite the decline in propagation conditions, Ten Ten paper chasers continue to be active on 28.345 mhz. Chapters with specials for paper chasers this month include Branding Iron (TX), Fort McHenry (MD), GB Ten (G), Eagle Watch (AL), Peach State (TX), Quahog (RI) and Speedway (OR). The Fort McHenry chapter (MD) has instituted a new award called the Original Thirteen States Award. To earn the award, you must work a Fort McHenry member in each of the thirteen original states.

During the month of January, two very active members of Ten Ten International became silent keys. "Corky" Cochran, W3FQN, of Baltimore, MD, a long time member of the Fort McHenry chapter, was 82 years old. Corky was a regular check in to almost every Fort McHenry chapter net. Paul Woods, W7ZKL, of Salt Lake City, UT, was chapter head and certificate manager of the Golden Spike chapter. Paul was a very active paper chaser, and was often heard on 28.345 MHz. Many ten meter operators will miss Corky and Paul.

Propagation on the ten meter band has been poor to fair this past month. Band openings with strong signals continue to occur, but these openings sometimes last for only ten to fifteen minutes. If you do not hear any signals on the band, call CQ. With the rapidly changing propagation, you may catch one of these openings. Limited DX openings to Canada, the South Pacific, Latin America and the Caribbean continue on a regular basis. Even though band conditions have not been the best, ten meter enthusiasts continue to make contacts.

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.

## March of Dimes Walk-a-thon

by Don Daze, KC5AK

Radio Amateurs will be providing communications support for the 25th annual March of Dimes Walk-a-thon. This years Walk-a-thon will take place Sunday morning, April 2, 1995. (The day we switch

to daylight savings time.) The course will be the same as last years, starting at Rice University Stadium, then taking a 10 mile course down along Braes Bayou and back. Amateur Radio operators will provide the communications link between rest stops, medical units, information booths, SAG vans, and key race officials.

Amateur volunteers with handi-talkies, or with equipment that can go portable/mobile (i.e. with a 12V cigar lighter plug and a mag-mount antenna, ready to be set up in a SAG van) are needed.

Amateurs participating will receive advance materials, including a course map, parking pass, net roster, net procedures, and a special tee shirt.

We participate in the Walk-a-thon for three reasons:

- 1) The March of Dimes is a worthy cause,
- 2) The Walk-a-thon provides us the opportunity to hone our communications skills, and
- 3) To showcase Amateur Radio to the public.

The March of Dimes mission is to improve the health of babies by preventing birth defects and infant mortality through research and community services. Of the nearly 350,000 babies born each month in the United States, more than 12,000 will have birth defects. And more than 650 will die before their first birthday as a result of these birth defects. Prevention is the best and most cost effective cure, as every \$1.00 invested in prenatal care saves a minimum of \$3.38 in neonatal and rehabilitative care. The annual Walk-a-thon is March of Dimes largest fund raiser.

Radio Amateurs who participate in the Walk-a-thon will have a chance to practice tactical communications skills. Such as passing traffic through a formal net, interfacing with other walk volunteers and

officials, and setting up a station under field conditions. Most of all, the Walk-a-thon is an opportunity for us to have fun!

This is our chance to help pay back the community for all of the learning and pleasure that amateur radio has provided each of us with. Today, special interest groups are fighting to get their hands on our amateur band frequency assignments, and congress is placing budget pressure on the F.C.C. Now, more than ever, it is in our best interest to show the community just how valuable a service we can provide.

If you would like to help out with this years Walk-a-thon, please call me, Don Daze, KC5AK, at 464-7286 (home), or 853-7644 (work). I greatly appreciate your support.

## TRAVELERS INFORMATION STATIONS

by Al Mattis N5AFV

A number of medium wave listeners enjoy logging distant Traveler Information Stations (TIS) which operate on the AM broadcast band. It is not uncommon for TIS reception to extend to 1000 miles or more. Here in the Houston area, TIS stations operate at both Hobby and Intercontinental airports. Another Houston area TIS station relays the NOAA weather broadcasts transmitted on 162.40 MHz. Many amateur radio operators have heard these stations, but are not aware of the FCC rules that apply to TIS operation.

TIS stations may operate on 10 kHz increments between 530 and 1710 kHz. Most TIS stations operate in the bands 510 to 535 kHz and 1605 to 1715 kHz where TIS stations are authorized to operate on a secondary basis. FCC rules require that a frequency tolerance of 100 Hz be maintained. Most TIS stations use vertical antennas, which are limited by the FCC to

15 meters (49.2 feet) in height. Transmitter output power to these antennas is limited to ten watts. Some TIS stations use cable antennas which may not exceed 3 km (1.9 miles) in length, and are limited to fifty watts output power. These cable antennas are useful in special applications such as tunnels.

The TIS rules require the use of special filters to eliminate cross-modulation and intermodulation interference. The FCC rules are designed to protect AM broadcast stations from any interference. Actual field strength measurements are used to define the power limits of TIS stations located near AM broadcast stations.

The location of TIS stations is restricted to the immediate vicinity of air, train, and bus transportation terminals, public parks and historic sites, bridges, tunnels, and any intersections of a Federal Interstate Highway with any other Interstate, Federal, State or local highway. Broadcasts are limited to noncommercial voice information pertaining to traffic and road conditions, traffic hazard and travel advisories, directions, availability of lodging, rest stops and service stations, and descriptions of local points of interest.

With hundreds of TIS stations in operation, the opportunity for logging a distant TIS is very real. Ten watts with favorable propagation makes TIS DXing a challenge that many medium wave listeners can not resist.

## Results of the February 14th Amateur Exams by Harold Parker, ND5F

B-VARC again sponsored and administered the ARRL's Amateur Radio Examinations that were held on Monday evening, February 14th, 1995 at Strake Jesuit

College Preparatory in Houston.

### V.E. TEAM:

Ron Grimes, WA5SCE  
Louis House, KD5GM  
Harold Parker, ND5F

### ASSISTANTS:

Carl Albrecht, AA5JW  
Cass Germany, KG5IT  
Don Schexnaider, AB5IV

A total of 24 exams were administered during the evening to 14 applicants. Three (3) unlicensed candidates received their new "codeless" Technician licenses; Two (2) others upgraded with a total of 16 elements passed. The overall "pass rate" for the evening was 67%.

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

Adnan Aqil - Element 2  
James Bell - Technician  
Phillip Fletcher - Element 2  
Minh Ha, KC5KGC - Extra  
Donald Harris - Technician  
Calvin Housos - Element 2  
Casey Kirkgard - Element 2  
Michael Korsos - Element 2  
Larry McLamb - Element 2  
Gene Russell, N5XGT - Element 3B  
Elia Sakellakis - Technician  
Michael Williams, KC5LCG - 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.

73 de ND5F  
Harold Parker

## Hamfest Report

### Sidewalk Sale

Saturday, March 18, 1995  
8:00 AM to 5:00 PM  
C.E.C. Electronic Parts, Inc.  
13003 Murphy Road, Suite B-7  
Stafford, TX  
(713) 498-0569  
Donn aka N5XWB  
OPEN TO ALL!

### Pearland Amateur Radio Club Hamfest

Saturday, May 6, 1995  
League City Civic Center  
8:00 AM to 2:00 PM

## Sony ICF-SW7600G An Informal Review

I have had a new Sony ICF-7600G for a week, and this passes along my impressions for those who might be considering this model. Overall, I am quite pleased with this radio, and I can recommend it with only minor reservations to others who might be shopping for a good shortwave radio in the \$200 range. Initial responses from other new 7600G owners who are corresponding on Hamnet are also quite good, including favorable comparisons to the Sony SW-100 which costs nearly twice as much.

### Ergonomics and Accessories

The 7600G is made in one of Sony's Japanese factories, and the quality of fit and finish is very good. The radio is similar to the older SW7600, with the front finished in a very dark charcoal gray, with black buttons. The keypad is well-designed. The rounded buttons are well-spaced for use by real fingers, and the tactile quality is excellent: when a button is pressed, you can both feel and hear the click, and be assured that the next number can be entered. The switches have a sturdy, high quality feel, with a nicely designed button with a small

ridge on top. Once you know where the controls are located, you can easily operate them by feel without looking, and I imagine that this radio would function acceptably for the visually impaired. The radio comes with a nice black leatherette case, a portable wind-up wire antenna, a Sony shortwave frequency guide and a very basic five language owner's manual--it's a hefty 160 pages, but only 32 pages are in English, with the same material repeated in other languages. The 7600G is almost identical in size and weight to the Grundig Yacht Boy 400 at 7.6" x 4.8" x 1.3" and 1 lb. 5 oz.. This strikes me as an in-between size--a bit large for travel, but rather small for desktop use.

### Display and Controls

The display is a basic LCD with frequency readout to 1 kHz resolution, with additional areas showing AM/FM and kHz/MHz, the preset in use (10 FM, 10 AM regardless of frequency, plus 2 standby presets that can be either AM or FM), low battery indicator, 60 minute sleep timer, two timer standby, and key lock. There are top panel buttons corresponding to these functions. A 24 hour clock displays in the frequency readout area only when the power is off. Above the LCD are a single red LED as a tuning indicator, and a green LED showing when the synchronous detector is locked on.

Side panel controls include volume, tone (news/music), AM Mode (normal, synchronous detection, SSB), LSB/USB and SSB fine tuning (both usable either in the synchronous or SSB modes), and a local/DX switch. The synchronous detection works on all AM signals, including MW frequencies, so this may be useful to MW DX'ers. Plugging in an external antenna disconnects the internal ferrite bar, so an external antenna can be used for MW. Inputs & outputs include external antenna, mono line output, and headphones (stereo for FM), plus an input for an external 6 volt adapter. The back has a simple stand with a flip-out tilting stand with basic UTC time zone map, a door to

hold 4 AA penlight cells, and a sturdy 36" 8 section whip antenna. A switch for the MW channel step (9 or 10kHz) is in the battery compartment.

### Tuning

The 7600G covers FM from 76 to 108 MHz (in stereo with headphones), and AM in the LW/MW/SW bands continuously from 150 to 29999 kHz. It can be tuned using preset stations, by direct entry of frequency on the keypad, by tuning manually up or down the dial, or with automatic scanning. Preset tuning is the default mode, which I find a bit annoying: to use the keypad, you must remember to press the Direct key first, enter the frequency desired, and press the Exe key. Otherwise, the radio assumes you want to use presets, and sets itself to the preset corresponding to the last digit pressed. The radio has four tuning buttons, arranged in an arc like the SW-100. The innermost buttons shift the frequency by 1 kHz. The outer two buttons move in individual 5 kHz steps when pressed momentarily. If the outer buttons are held down for about two seconds, the radio begins to scan frequencies by 5kHz steps. Scanning occurs, by 5kHz steps only, within a given frequency band, based on the station you are tuned to when you start tuning. If you are tuned to 6000 kHz when you begin scanning, for example, the radio will repeatedly scan the 49 meter band from 5900 to 6250 kHz, stopping for about 1.5 seconds (which is not long enough) at every detectable signal. Scanning stops when the Scan Stop button or any of the tuning buttons is pressed, but you need to be quick, or you will need to tune back to the station that was just scanned past. Switching to the next band up or down can be accomplished by holding the Scan Stop button while pressing one of the outer tuning buttons.

I would describe the Tuning LED as essentially useless. It indicates the presence of a signal, but little more. The LED flickers only when a station is severely and audibly mistuned, but otherwise stays brightly lighted. This problem is worst on FM. My

public radio station broadcasts at 91.50 Mhz, but the LED lights up fully at all frequencies between 91.30 and 91.70. Fortunately, the keypad entry (when a station frequency is known) and scan tuning on shortwave work accurately, and adjustments can be done easily by ear. I find the omission of a tuning meter as the worst drawback of the 7600G, but I've also found I can get by without it.

### Synchronous Detection

Synchronous detection is the key feature of the 7600G that sets it apart from all other radios in similar price ranges. Sony's synchronous detection circuit works, and works well, audibly reducing signal fading and distortion. Any signal that is strong enough to be listenable--and many signals that are not--can be locked onto by the synchronous detection. When the synchronous detection is on, you can switch from USB to LSB to find the best signal, tune away by 1 kHz steps if necessary, and use the fine tuning wheel (+ or - 1.5 kHz). In cases where there is a reasonably strong signal, but severe interference from another station, careful adjustment of these controls can make an unusable signal quite listenable. The bandwidth is not selectable, as on the Yacht Boy 400, but I have not felt the need for it with this receiver--the range of controls in conjunction with the synchronous detection serves my needs quite well.

Surprising (to me) is the fact that the circuitry helps audibly even on strong signals like the BBC, reducing (but not eliminating) fading and distortion. On some signals the detection seems to have little benefit, but I have not yet found a signal that sounds better without it. The circuit is quite stable. I've only had a few instances where the circuit intermittently cut in and out. Once was while listening to Radio Havana, a strong signal in this area. I suspect that was a result of the broadcast signal, not the receiver. I have also had the circuit cut out on extremely weak (which is to say almost unlistenable) signals. When the detection

cuts out, it does so noiselessly: when it locks back in, the signal immediately becomes clearer, quieter, and sometimes slightly louder, but there is no other noise or audio garbage that is disturbing. I now keep the synchronous detection on at all times. Overall, I feel that the synchronous detection is very helpful, and a major reason for buying the 7600G.

#### **Audio Quality**

I'd describe the audio as good considering that it is produced by a 77mm (3") speaker and a 400mw (at 10% THD) amplifier. The high end is pretty good, and quite suitable for voice broadcasts, but obviously the bottom octaves aren't ready for pipe organs or the 1812 Overture. It's simply a matter of physics--there is not much more sound you can get without more speaker area or a lot more cone movement. I'd guess that you would need a substantially larger radio, with a bigger speaker and cabinet, to get much better sound. The sound through headphones is excellent, and I often listen with the line or headphone output run through my stereo amp and speakers. With this setup, the sound is as good as I've ever heard from shortwave.

#### **Sensitivity**

I cannot give a scientific account of the sensitivity of this radio, but I'm pleased and it meets my needs well. I have been listening primarily with a simple vertical wire antenna about 35 feet long, threaded among the branches of a Sweet Gum tree near the front door. Not elegant, but it works. With this setup, I can get Radio New Zealand, a weak signal here, quite reliably and listenably at the right times of the evening. All of the strong international broadcasters come in very nicely, and sound good with the synchronous detection on or off. SSB and CW appear to work fine, but that isn't my particular interest so I don't pay much attention to the performance on these signals. At night, I find it useful to set the DX/Local switch to Local when scanning, because on the more sensitive setting, the radio stops every 5 kHz even when many of

the signals aren't listenable. In the daytime, scanning with the switch in the DX position is quite workable because only very strong signals can get through.

#### **Comparison to the Yacht Boy 400**

I have not had a chance to compare the YB400 and the 7600G side by side. A shoot-out test of sensitivity and audio quality would be interesting. It is clear that the two radios are designed as direct competitors in size, price, and features. Both are excellent radios. The YB400 offers a real tuning meter, selectable bandwidth, 40 memories and a clock that is visible while the radio is on. The 7600G lacks these features, but offers the big plus of synchronous detection. The Sony also needs only 4 batteries--a plus because most rechargers handle only 4 AAs at a time, not the 6 needed by the Grundig.

#### **Conclusion**

Overall, I would describe the 7600G as a well-designed and nicely assembled radio offering high quality circuitry with a minimal number of features. My suspicion is that the 7600G shares much of the circuitry design with some of Sony's higher-priced models like the SW-100 and the SW-55, but with the bells and whistles omitted. Side-by-side comparisons by others seem to bear that out. If you need more than 11 shortwave memories, want a real tuning meter, prefer a high-fidelity (large) speaker, or want conveniences like station-name tuning, this is not the machine for you (and you may need to spend a lot more than \$200). On the other hand, this machine offers very stable reception with a synchronous detection circuit that really works, and it is the only radio in the \$200 price class with this feature. I think it is the only worthy direct competitor for the excellent Yacht Boy 400. I am very pleased with my Sony 7600G, and I think many others will feel the same.

Rick Starr  
Durham, North Carolina  
71756.246@compuserve.com

## **Bulletin Update**

by Kelley Hughes, N5ULZ  
Bulletin Editor

As you may notice, this issue of the Bulletin is arriving a little later than it should. Everybody got their information to me on time, I have just been so busy at work that I have not had the time to sit down and assemble it into the format you see here. From time to time I will have to ask for your forgiveness when my real job interferes with putting this bulletin together for you.

I still need more articles. You may notice that this issue contains a two-page review of a shortwave radio. When I do not get enough articles submitted to me from you, the club members, I have to go fishing for articles from other sources. This article came from a fellow member of the HAMNET forum on Compuserve. I would rather not have to do this, so this year each member of B-VARC should make it a goal to submit at least one article for publication! I dare you!!

As always, the preferred method of receiving your articles is via electronic means. A 3.5" floppy disk is fine. I would prefer files in WordPerfect 6.0 format. If you cannot do this, just save your files as ASCII text and forward them to me. Most word processors have this option. You can E-mail me on Compuserve. My CIS ID# is 72603,623. You can email via the Internet at 72603.623@compuserve.com. Shortly I will have a new Internet address for you, also. If you are going to FAX me something that is typewritten, please call me first. That way I can have it go directly into my computer for OCR (Optical Character Recognition...saves me from having to re-type it). My FAX number is 261-4512, voice is 499-9806. My address is: 1634 Middlesbrough Ln., Missouri City, TX 77459-2734. I am always interested in your opinions of the Bulletin. Call anytime!  
**Deadline for articles is the 10th of the month!**

# 1994 B-VARC Public Service Honor Roll

- |                            |                     |                            |
|----------------------------|---------------------|----------------------------|
| A. Houston Marathon        | B. K-9 Fun Run      | C. MS Walk                 |
| D. Blue Bonnet Express     | E. MS 150 Bike Tour | F. ALA Clean Air Bike Ride |
| G. Katy Flatland Bike Ride | H. MS Enduros skate | I. US Against Violence 5K  |
| J. ALA Alamo Challenge     | K. 20K Warm Up      | L. Texas Coastal Bike Ride |
| M. 25K Warm Up             | N. 30K Warm Up      |                            |

NAME	CALL	EVENTS	NAME	CALL	EVENTS
Albers, John	KB5WZE	K	Hardy, Dave	KC5HMN	K
Albrieht, Carl	AA5JW	K	Heard, David	N5SRC	M
Allison, Bob	N5SRW	K	Holley, Doug	KE5SR	K
Baker, Brian	KC5HFT	K	Holt, Barry	N5RDU	K
Baker, Warren	N5CLD	K	Horn, Allred	KG5QW	K
Bond, Mike	KB5SFX	K	Horn, Mary Ann	N5MYN	K
Borg, Gerry	N5APW	E	Hughes, Kelley	N5ULZ	A
Cerwin, Steve	WA5FRF	K	Hunter, Joe	KC5FUT	K
Cheek, Ralph	KB5DNT	A,B,C	Jackson, Emmet	N5RZN	A,K
Cole, Mark	KB5WZB	B,D,E,J	Jackson, Guy	KC5CWS	N
Cox, Lawrence	N5OUZ	A,N	Jones, Billy	KC5EVD	H
Creel, Fred	N5LYB	K	Jones, Dwayne	KB5YTA	A,M
Culver, Craig	KB5USL	A	Jones, Steve	KC5AER	K
Cunert, Carl	WB8SVR	M	Kaufman, Paul	W5SOE	M
Davis, James	KC5PWS	K	Keng, Charles	N5XGW	A
Daze, Amy	KC5DJI	K	King, Bud	N5UOG	
Daze, Don	AC5AK	A,K		A,B,C,E,F,H,J,K,L,M,N	
Dessens, Bill	N5KXU	A,C,M	Kozinetz, Claudia	N5VCZ	
Dessens, Mark	KG5JT	C		A,B,I,K,M,N	
Dillard, Ray	WA5F	A	Levy, Larry	WD5DRB	A
Dunkleberger, Stephen	N5JBL	A,B,K,M,N	Lockhart, Steve	N5ZUC	K
Edwards, Glenn	WB4LJG	G	Maltis, Allen	N5AFV	A,K,M,N
Edwards, Susan	KB5ICO	E	Matthis, Gill	AA5XH	K
Ellis, Jerry	N5TTC	K	Maulding, Lorrie	KC5HPV	K
Ellerbe, David	KC5BXP	K	Meleka, Patricia	KC5CMU	B,C,D
Falcon, Mike	KC5DWN	K	McNimicr, Terry	N5YKS	A
Gentle, Michael	KB5TOJ	A	Morrison, Henry	W5RIY	A,B,H,M,N
Gibson, Gerald	KB5FDA	M	North, Max	N5TBI	A,K
Gordon, Hy	NC5A	A	Orlando, Vincent	WA5ETS	A
Grimes, Ron	WA5SCE	N	Onda, Terry	KI5FO	N
Guillet, Guy	KC5AGW	C,K	Parker, Harold	N5DF	A
Hacker, Carl	KB5LDY		Pollard, Randy	AK5G	A,H,N
	A,B,I,K,M,N		Prichard, Bret	N5VOY	
Hall, John	KC5EHW	A,J,K		A,B,D,E,F,G,J,K,L	
Hagerman, Dick	WB5SRN	A,E,M,N	Prochaska, Charles	KG5KV	H
Hardwick, Mike	N5VCX		Roberts, Jack	KB5TMY	A,H,M,N
	A,B,C,D,E,F,G,H,I,J,K,L,M,N		Scott, Steve	KB5RSV	K

Sessions, Claude	K5HFY	A,H,J,K,M	Vaughn, John	KC5FEV	
Shaw, David	AA0MI	K	C,D,E,F,J,M		
Skelton, Steve	N5PRC	N	Wade, Don	WB5IBT	A,K,M,N
Smith, Irv	KB5EXM	A,N	Waldrop, Rick	KC5BFU	K
Starr, Oraida	N5WMA	A,B,C,K	Walker, Gregg	KC5BFW	K
Stanley, Tim	N5PHM	K	Wardlow, John	KB5ZBR	A,M
Stiver, Esther	KB5URT	A,B,C,K	Washburn, Donn	N5XWB	M
Stiver, Frank	N5TGM	A,B,C,K	Webb, Gerald	N5ZUE	K,M,N
Supina, Bob	KC5BAM	M	Wheeler, Charlie	KB5KIV	K
Taylor, Chuck	WB5VYR	H,M	Wheeler, Mike	KB5ZNV	K
Taylor, George	AB5LT	A,E	White, Bob	KESZL	A,E
Toler, Leon	KB5UPZ	K	Wilcox, Betty	KA0TEN	H,J
Fruitt, Ed	KD5JC	A	Wilson, Bill	KASGHI	A,D,K,M
Turner, David	WB5TCW	A	Winford, Clem	WB5SHU	A
Turner, Lyle	KB5BSU	K	Youngblood, Tommy	KC5ASI	K
VanDemark, Jack	WNSA	N	Zermino, Al	KK5W	E
Van Devender, Van	KB5SGR	K	Dale	KC5HNJ	N
Vageneti, Barbara	KC5FMU	K	Sandy	KC5USC	M
Vageneti, Mark	KC5FMT	K			

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# March 1995

## B-I-ARC Calendar of Events

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																																																							
<p><b>February</b></p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td></td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td></td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td></td><td>26</td><td>27</td><td>28</td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S		5	6	7	8	9	10		12	13	14	15	16	17		19	20	21	22	23	24		26	27	28				<p><b>March</b></p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td></td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td></td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td></td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td></td><td>29</td><td>30</td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S		2	3	4	5	6	7		9	10	11	12	13	14		16	17	18	19	20	21		23	24	25	26	27	28		29	30					<p><b>April</b></p> <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <tr><td></td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td></td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td></td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td></td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td></td><td>29</td><td>30</td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S		2	3	4	5	6	7		9	10	11	12	13	14		16	17	18	19	20	21		23	24	25	26	27	28		29	30					<p><b>1</b> 7:30 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)</p>	<p><b>2</b> 7:30 PM B-VARC Board Meeting: Sugar Land Community Center</p>	<p><b>3</b></p>	<p><b>4</b> 7:30 AM B-VARC Breakfast 9:00 AM Hou. Emergency Management NET 146.84 (9:30 on 3.905)</p>
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<p><b>5</b> 7:30 PM A.R.E.S. Net 147.30</p>	<p><b>6</b> 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 &amp; Linked Repeaters</p>	<p><b>7</b> 8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10</p>	<p><b>8</b> 7:30 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)</p>	<p><b>9</b> 7:30 PM Membership Meeting Sugar Land Community Center</p>	<p><b>10</b></p>	<p><b>11</b> 7:30 AM B-VARC Breakfast 9:00 AM Hou. Emergency Management NET 146.84 (9:30 on 3.905)</p>																																																																																																																							
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**B-VARC Rag Chew Check-ins**

3.960 Mhz 7:30 PM Wednesdays  
Compiled by Sam Wilson, N5CPA

*January 4, 1995*

N5CPA (Net Control), W5GHK, KB5ION,  
N5OAC, W5IHY, AB5OK, KF5NU, KG5KV,  
W0LNO, N5UOG, N5KXU, KB5TBZ,  
KD5GM

*January 11, 1995*

N5CPA (Net Control), W5GHK, N5ECP,  
N5OAC, WD5CJL, N5AFV, AK5G, AB5OK,  
KG5CB, KG5KV, WN5A, N5UOG, W5IHY

*January 18, 1995*

N5CPA (Net Control), KI5NU, W5EFB,  
WASSCE, W5IHY, KG5KV, KB5ION,  
WB5NES

*January 25, 1995*

N5CPA (Net Control), W5EFB, KG5KV,  
KB5ION, WN5A, K5BDO, W5GHK,  
K0CZV, W5IHY, KK5DO, KF5NU

Again, special thanks to the management at KHTV, Channel 39, for providing the equipment and facilities to print the B-VARC Bulletin.

---

**ADDRESS CORRECTION REQUESTED**

*Brazos Valley Amateur Radio Club  
Box 1630  
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*Renew your Membership for 1995 if you haven't already!*

**B-VARC MEETING SCHEDULE**

Thursday, March 2 7:30pm	Board of Directors Meeting Sugar Land Community Center
Thursday, March 9 7:30pm	General B-VARC Membership Meeting - Sugar Land Community Center



Bud King N5UOG  
814 Bel Mar  
Sugar Land, TX 77478