



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 Compuserve ID: 72603,623

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: 6

June 1994

ADDRESS CORRECTION REQUESTED

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



DON'T FORGET ABOUT FIELD DAY - JUNE 25th & 26th
AT BEAR CREEK PARK, PAVILION 3!!

B-VARC MEETING SCHEDULE

Thursday, June 9 7:30 pm	General BVARC Membership Meeting - Sugar Land Community Center
Thursday, July 7 7:30 pm	Board of Directors Meeting Sugar Land Community Center

Allen Mattis N5AFV
5314 Wigton Drive
Houston, TX 77096



June 1994

B-VARC Calendar of Events

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
5 7:30 PM A.R.E.S. Net 147.30	6 7:30 PM 34-94 Swap Net 146.94 8:00 PM Fort Bend County Emergency Net 145.49 9:00 PM B-VARC Net 145.47 & Linked Repeaters	7 8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	1 8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	2 7:30 PM B-VARC Board Meeting: Sugar Land Community Center	3	4 7:30 AM B-VARC Breakfast 9:00 AM Hou. Emer- gency Management NET 146.84 (9:30 on 3.905)
12 1:30 PM Texas State RACES Net 7.248 7:30 PM A.R.E.S. Net 147.30	13 7:30 PM 34-94 Swap Net 146.94 8:00 PM Fort Bend County Emergency Net 145.49 9:00 PM B-VARC Net 145.47 & Linked Repeaters	14 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 8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	9 7:30 PM Membership Meeting Sugar Land Commu- nity Center	10	11 7:30 AM B-VARC Breakfast 9:00 AM Hou. Emer- gency Management NET 146.84 (9:30 on 3.905)
19 7:30 PM A.R.E.S. Net 147.30	20 7:30 PM 34-94 Swap Net 146.94 8:00 PM Fort Bend County Emergency Net 145.49 9:00 PM B-VARC Net 145.47 & Linked Repeaters	21 8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	15 8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	16	17	18 7:30 AM B-VARC Breakfast 9:00 AM Hou. Emer- gency Management NET 146.84 (9:30 on 3.905)
26 1:30 PM Texas State RACES Net 7.248 7:30 PM A.R.E.S. Net 147.30	27 7:30 PM 34-94 Swap Net 146.94 8:00 PM Fort Bend County Emergency Net 145.49 9:00 PM B-VARC Net 145.47 & Linked Repeaters	28 8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	22 8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	23	24	25 7:30 AM B-VARC Breakfast 9:00 AM Hou. Emer- gency Management NET 146.84 (9:30 on 3.905)
FIELD DAY	FIELD DAY	FIELD DAY	29 8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	30	31	FIELD DAY

May						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

July						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Notes From the President

by Doug Holley, KE5SR

Our weather in recent weeks has provided us with a lot to worry about in the Houston area. Skywarn Nets have been activated numerous times recently to assist and provide information through communications. We, as Hams, provide a valuable service to the community and the National Weather Service with our weather nets. There can never be too many people to help with this worthwhile endeavor. In fact, just the opposite is true. We need more Hams to participate in all areas of this critical service. We are all capable of helping in one manner or another. To be proficient, we need to know what information is required and what information is not needed.

There are many areas and different tasks that make up our Skywarn program. Net control operators, weather spotters and liaison to other weather services are some of the positions that are required to put together a successful Skywarn program. We in the Ham community need to participate and educate ourselves to be proficient. One such source of education and information is the Skywarn classes provided and taught by N.O.A.A. (National Oceanographic and Atmospheric Administration). I have a course session scheduled in June for BVARC members and any other interested persons. I will provide you with detailed information about the class in this issue of the Bulletin. I strongly urge all BVARC members to attend this seminar.

Another concern we all should be aware of is the tremendous increase of hazardous materials being transported through our community. The probability of an accident involving hazardous materials is ever-increasing due to the sheer volume of transport in our area. We, as a public service organization, need to be as educated as we can be about these materials. Many lives can be affected in the event of a spill or explosion involving these types of materials. I have scheduled a seminar for BVARC for September 6th. I will provide more details as we get nearer that date. Some of the information that will be provided will probably alarm you, but it will certainly help to educate us, thus making us better prepared if and when the situation occurs.

June's program at the general meeting is scheduled to be about RF direction finding equipment and will be presented by Al Zermeno, KK5W. I would bet that after this program we will be doing some fox hunting. This should be a great program, so don't miss it.

BVARC RAG CHEW CHECK-INS

3.960 MHz 8:00pm Wednesdays

Compiled by Mel Thatcher, KB5ION

May 4, 1994

KE5SR (Net Control), N5OAC, N5CPA,
W5IHY, K15SC, KB5PAJ, W5EFB, KB5ZRV,
N5AFV, W5GLD, KG5KV, AB5RL, K15XA,
N5UOG

May 11, 1994

KE5SR (Net Control), KB5LFU, KG5KV,
W5EFB, KB5ZRV, N5ECP, K15SC, KB5PAJ,
W5GLD, N5AFV, N5UOG, AB5OK, W5IHY,
WA5ETS, W5GHK, N5CPA

May 18, 1994

KB5LFU (Net Control), KB5ION, W5EFB,
N5OAC, W5IHY, KE5SR, K15SC, KB5PAJ,
N5ECP, WA5OEN, WD5CJL, W5GLD,
KB5ZRV, KG5KV, N5CPA

May 25, 1994

AB5OK (Net Control), KB5LFU, N5YKR,
N5OAC, N5CPA, W5IHY, W5EFB, K15SC,
KB5PAJ, W5GLD, WA5OEN

Field Day this year will be on June 25th and 26th. Again, Al, KK5W, is our Field Day chairman. I guarantee that this field day will be the biggest and by far the best that BVARC has ever had. If you have any ideas or equipment to use, please get in touch with Al. Look for a column in the Bulletin for more details.

Code classes are continuing. We are working on 5 to 13 WPM now. They are each Tuesday evening from 7:00 to 8:30 PM. If you do not have 13 WPM down, please try to attend. You can call me at 342-8028 for further details. We have a good group and believe it or not, we are having fun.

73 and good DX

I Speak - .- -..

Randy Pollard, AK5G

Certified Public Accountant

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B-VARC Board of Directors Meeting

May 5, 1994

by Bud King, N5UOG

Harold Parker, ND5F, stated that all was well with the BVARC V.E. group, and they have had about 15 to 20 people taking exams every session.

Bruce Paige, KB5ZRV, was unanimously elected to be the Certified QSL card checker for BVARC. Bruce notified the Board that a second Technician contest would be held on May 22nd beginning at 6:00 AM and ending at 9:00 PM. He also showed the certificates that he would present to those who won them during the first Technician contest.

Doug Holley mentioned that he had picked up several devices for use at the BVARC code classes while he was in Dayton. After Doug displayed the devices the Board was unanimous in voting to reimburse Doug for the amount he had expended for them, and they will become a part of the BVARC equipment inventory.

Under new business the following subjects were discussed: a Skywarn class to be held at the George Library; a Hazardous Material Awareness class to be held in September; a Weather Program for a general BVARC meeting, to be presented by Bill Reed; the need for "Weather Spotters" for Fort Bend County; recognition for BVARC members that participate in the sponsored special events; a "QCWA" program to be presented at a general meeting by Randy Pollard, AK5G; and a "Direction Finding Equipment and Methods" program to be presented by Al Zermeno, Donn Washburn, N5XWB, and Nizar Mullani, K0NM. Kelley Hughes, N5ULZ, Editor in Chief of the BVARC Bulletin, reported on the mailing of the Bulletin to BVARC members. Consideration is being given to Bulk mailing the Bulletin; however no decision has been reached at this time.

President Holley adjourned the meeting at 9:30 PM.

A quorum of the BVARC Board of Directors met at the Sugar Land community center on May 5th, 1994. This was the fifth meeting of the Board for the 1994 calendar year. The following Board members were in attendance: Doug Holley, KE5SR; Betty Wilcox, KA0TEN; Sam Wilson, N5CPA; Claude Sessions, K5HFY; Bill Dessens, N5KXU; and Bud King, N5UOG. President Holley opened the meeting at 7:30 PM. The minutes of the April meeting were read and approved.

The Club Treasurer, Sam Wilson, reported a balance of \$4009.87 in the treasury as of April 30, 1994. The Treasurer's report was unanimously approved.

President Holley in his opening remarks to the Board described his meeting and conversation with Richard Shankle, N5KV, while attending the Dayton Ham Convention. Doug was left with the impression the Houston Ham Comm organization would not have a 1994 convention. A lengthy discussion followed Doug's remarks, resulting in contacts being made with other local clubs for the purpose of determining whether or not there is interest in continuing the promotion of a convention for Amateur Radio enthusiasts.

Mike Hardwick, N5VCX, reported that approximately 100 Hams were used during the 1994 MS150 Bike Tour with no major incidents occurring during the ride. A total of 4,770 riders participated in the two day event. President Holley congratulated Mike and Bret Pritchard, N5VOY, on the super way they handled their portion of the Tour. Betty Wilcox, KA0TEN, mentioned that 170 Tour riders had used the HF phone patch set up by Al Zermeno, KK5W, at LaGrange, with George Taylor, AB5LT providing the Houston-end operations.

Field Day Chairman Al Zermeno reported that he will have a 3-section tower and a 6-element beam antenna ready for use on Field Day. There will be 3 General class stations, a satellite station, and a Novice station set up for the event. Following Al's report a discussion developed about various types of antennas including a balloon-borne type used at a previous Field Day.

Adolph

Alex - WASUHT

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The World of Ten Ten

International

by Al Mattis N5AFV

Ten Ten International has a new treasurer. Keith Schlottman, KI7RK, has replaced Gerry Gross, WA6POZ. Gross held the position for 14 years, before recently becoming Ten Ten International's Data Manager. Two Ten Ten directors recently resigned - Peggy Pinnell, G4MAE, for health reasons, and Don Zielinski, K0PVI, for personal reasons. Ed Redwine, K5ERJ, was appointed to fill Pinnell's vacancy. The Ten Ten Board is looking for a replacement for Zielinski. Ten Ten elections will be conducted later this year. If your Ten Ten dues are current, you should receive a ballot in the mail.

Several of the members of the Space Houston On Ten (S.H.O.T.) chapter attempted to participate in the Ten Ten International Spring CW QSO Party held May 7-8, 1994. Propagation was not very good on the contest week end. The chapter appreciates the participation of all those who supported the contest effort. Those who joined in seemed to have fun. The S.H.O.T. chapter enjoyed presenting a program at the May B-VARC meeting, and we thank B-VARC for the opportunity to tell their membership about the activities of Ten Ten International. The S.H.O.T. chapter is pleased to welcome the Haley family (Marty, AB5GU, Wende, KB5TNU, Casey, AB5RG, and Cody, KB5WYJ) as our newest members.

Ten Ten paper chasers continue to be active on 28.345 mhz. Ten Ten chapters with specials for paper chasers this month include Texas Gamblers (TX), Busy Bee (CA), Ocean State (RI), Brooklyn Bridge (NY), Branding Iron II (TX) and Castle Craig (CT). New certificate managers for the Starlite (IA), Samuel Clemens (CT) and Colorado Bighorn (CO) chapters have assumed their duties. An unofficial report has been received that the Peach State (GA) chapter has gone QRT.

Summer E-layer openings are becoming more frequent. Signals have been very strong, with some openings having extremely short skip. K5HFY and KB5ZMO report working El Paso. During the past three weeks, I have worked stations in AZ, CA, FL, GA, IA, IL, IN, KS, KY, LA, MI, MN, MO, NC, ND, OH, OR, SC, TN, TX, VA, Panama, New Zealand and Australia. DX openings have not been as good as in

past months, but Latin America and the South Pacific continue to be worked from Houston. The summer propagation conditions may bring E-layer openings at any time of the day or night, so check ten meters occasionally to see if it is open.

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.

Public Service Update

by Mike Hardwick, N5VCX

Summertime is upon us and the public service events have slowed down due to the hot weather. However there are a couple events still scheduled over the next few weeks if you would like to work one. The Flapjack 50 is set for June 12 and will be handled by ECHO. If anyone is interested please call Don Daze, KC5AK, at 464-7286. I know that he would be glad to have you call to volunteer.

The Katy Flatland bicycle ride will be held on July 10, and Mark Cole, KB5WZB, will be coordinating the event. I know there are several positions open on the ride. Give Mark a call at 479-1800.

I am thinking about having a public service training/question and answer session sometime in August. If anyone is interested in coming to the session either for new knowledge or to help acquaint others with your knowledge and past experiences, please give me a call at 771-4625 or 443-8636. The session will probably be held around the middle of the month somewhere near downtown Houston. Call me and let me know what you would like to learn about or tell about the PS events that are worked though the year.

If anyone has any ideas on any new type of events that would be new and interesting for BVARC to work, give me a call so I can get them put on the calender.

Enjoy the summer and get ready for the events in October.

73 de N5VCX, Mike

Results of the May 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, May 10, 1994 at Strake Jesuit College Preparatory in Houston.

V.E. TEAM:

Carl Albrecht, AA5JW
Harold Parker, ND5F
Don Schexnailer, AB5IV

Assistants:

Cass Germany, KG5IT
Irene Gordon, N5AYX
Benny Owens, K5KV

A total of 49 exams were administered during the evening to 23 applicants. Ten (10) unlicensed candidates received their new licenses: 2 Technician Plus and 8 Technicians. Three (3) others upgraded with a total of 34 elements passed. The overall "pass rate" for the evening was 69%.

Congratulations to the following who upgraded and/or passes exams.

Patrick Collins, K5DEP - Extra
Timothy Grasshoff - Technician
Virginia Hance - Technician
Mike Hardwick, N5VCX - Element 3B
Michael Harris, KC5AHZ - Technician Plus
Douglas Holmberg - Technician Plus
James Homer - Technician
Stephen Leaver - Technician
Pierre Lugosch - Technician Plus
Arthur McDanel - Technician
John Moore, KC5CWQ - Element 3B and 4B
Jon Moore - Element 2
Bruce Paige, KB5ZRV - Element 4B
Kenneth Reisig - Technician
John Sheffield - Element 2
Tana Slay, Pending - Technician Plus
Gene Strader K5ETK - Extra
Steven VanDusen - Technician
Jeffrey Walsh - Technician
Jason Zubik - Element 2

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



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Bulletin Deadline

The normal deadline for articles to be submitted in the Bulletin is the 25th of the month preceding publication. For example, to get an article in the June Bulletin, it should be received no later than May 25th.

The preferred method for receiving bulletin articles is via some type of electronic medium. You can Email articles via Compuserve to Compuserve ID 72603.623 or via Internet to address 72603.623.compuserve.com. If you would prefer, you can mail me a 3.5-inch floppy disk with your article. The disk will be returned. All files should be in either a WordPerfect format or in ASCII. If you have any questions regarding how to submit a file, please call me at 499-9806. If you do not have access to a computer, you can FAX me your information at 499-0279, or simply mail it to me. Keep in mind that articles sent via FAX or in writing require me to re-type them, and I am a ssllcooww typist.

73 de N5ULZ, Kelley Hughes

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BROADCAST BAND (BCB) DXING

by Al Mattis N5AFV

The AM broadcast band is the target of a dedicated group of radio enthusiasts who enjoy listening for distant or DX stations. These DXers collect QSL cards or letters verifying their reception of distant stations. The DX targets may be located in other states or even foreign countries.

The National Radio Club (NRC), founded in 1933, is a non-profit organization devoted to medium wave or BCB DXing. The club bulletin, DX News, is published 30 times each year. Membership in the NRC costs \$24 per year, and is available from Ron Musco, P. O. Box 118, Poquonock, CT 06064-0118. The NRC has an impressive list of publications, many of which are useful to amateur radio operators who use the 160 meter band. The NRC's DX News contains articles dealing with propagation, antennas, equipment reviews, and accessories useful to those who listen to medium wave or BCB.

Each year the NRC holds a national convention with technical seminars, radio station tours, a banquet and an auction. This year's convention will be held September 2-5, 1994, in Nashua, NH. It has been pointed out to NRC members that Ham Radio Outlet has a store in nearby Salem, NH, and that there is no sales tax in NH.

A number of BCB DXers gather one weekend each year for a field day style DX operation. Last year's effort was held at a small motel in rural New England where it was possible to set up wire antennas. The antennas erected for the event would put many amateur radio field day operations to shame. An impressive list of loggings, including many trans-Atlantic stations, resulted from the operation.

As you would expect, many NRC members are also

amateur radio operators. Medium wave DXing is just another facet of our radio hobby, and the skills useful to these enthusiasts are also applicable to amateur radio.

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Skywarn Seminar

by Doug Holley, KE5SR

I have arranged for a Skywarn seminar to be presented to BVARC members and other interested individuals. The seminar will be conducted by Mr. Gene Hafele of N.O.A.A.. The seminar will be held at the George Library in Richmond, Texas on June 29th. Starting time will be 7:00 PM and the seminar will last about two hours with an additional hour for questions.

Directions to the George Library are: Take Highway 59 South and exit at the first Richmond exit, Highway 762. Travel North one mile on Highway 762 to the first red light. The library will be on your right as you reach the stop light. I will be on the 145.47 repeater until 7:00 if you get lost.

I urge all members of BVARC to attend this seminar. I promise that you will gain a lot of valuable information. This program is new and well presented. I'll see you there.

73 de KE5SR

Field Day 1994

by Doug Holley, KE5SR

If the reservoir doesn't rise, we will again have Field Day at Bear Creek Park. The date this year will be Saturday and Sunday, June 25-26th.

This year we will be running 2A status, but we will have several other rigs running that we will not count on our 2A rig count. For the 2A status, we will run two HF radios continually, one satellite station, and one Novice station, and one UHF/VHF sideband rig. All will be powered from an emergency generator.

An evening meal of Bar-B-Que will be served around 5:30 PM Saturday. The cost will be only \$5 per plate and will be catered by Schultz's of Rosenberg. Bring your own drinks in your ice chest, enough for the entire Field Day event.

Field Day contact operations start at 1:00 PM Saturday and end Sunday at 1:00 PM. We need much help putting up and taking down towers and antennas. Please volunteer to help us with this task. Call Al Zermeno at 667-1840, Bruce Paige at 933-0488, or Doug Holley at 342-8028 so we can compile a list of helpers before and after our operations.

If you have a preference about operating a rig at a particular time, give one of us a call and we will reserve you a place at that time. remember, any class license can operate any rig on any frequency using our KK5W call. This will be a good opportunity for the Novice or Technician class to compete with the best of them.

Again, we will all meet at Bear Creek Park, Pavilion number Three.

73's
Doug, KE5SR

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Field Day Prize

by Doug Holley, KE5SR

Recently Bruce Paige, KB5ZRV, called and informed me that he will award a prize to a lucky Ham. All you have to do is operate any rig at any time during Field Day operations with our group. The prize will be "J-corn" Ham Base software on a 3-1/2-inch diskette.

We will compile a list of all operators and have a drawing at our July meeting to award the prize. If you win we will notify you, so come on out to Field Day and get on the air. Good luck!

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Special Event Checklist

by Irv Smith, KB5EXM

While unpacking my duffle bag after the 2-day MS-150 event last month, I realized that a special event checklist would be extremely useful in preparing for future special events. The result is a "Special Event Checklist" which I developed (with the help of the Saturday "Breakfast Bunch").

Obviously, this list is more extensive than the average Ham would need to take to the standard three or four hour event. However, people could use it as a starting point. I suggest that a week or so prior to an event, take the list and go over each item, crossing out the item you don't feel you will need. Then simply use the remaining list as your checklist for packing.

If you come up with any other items you feel would be applicable to any type of Ham event, please let me know. I have the list stored in a Lotus 1-2-3 file, and it is easily modifiable.

73, Irv, KB5EXM

(Editor's note: Irv and I both felt that this checklist might be a valuable tool for getting ready for Field Day. Therefore the last page of this month's Bulletin is the checklist. Copy it and use it as you wish!)

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
Micnheimer, 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
Sessions, Claude	K5HFY	B
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

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SPECIAL-EVENT CHECKLIST

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12 vdc > 110 vac INVERTER
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ANTENNA MAG MOUNTS
ANTENNA TUNER
ANTENNAS: 2m / 70cm
ANTENNAS: HF
ANTENNAS: SATELLITE
ATV GEAR
CAR-BATTERY CLAMP CONNECTORS
CB RADIO / ANTENNA
CELLULAR TELEPHONE
CHARGER: 110 vac
CHARGER: Cigarette lighter
CIGARETTE LIGHTER PLUG
CIGARETTE LTR MULTIPLE OUTLET
CIRCUIT TESTER
COAX SWITCH
COMPUTER
DIRECTION-FINDING GEAR
DUMMY LOAD
D.C. POWER CABLES
EAR-BUD MINIPHONES
EARPHONE CONNECTOR ADAPTERS
EXTENSION CORD
FREQUENCY COUNTER
GEL CELLS
GENERATOR (110 vac)
GPS RECEIVER
GROUND ROD
GROUND WIRE
GUY WIRES / INSULATORS
HEADPHONES
HF RIG / POWER SUPPLY
HT RADIO w/ BELT CLIP
JUMPER CABLES (AUTO BATTERY)
KEY/KEYER
LAPEL SPEAKER
MOBILE 2m-70cm RADIO
POWER STRIP
PUSH-UP MAST / ANTENNA
P.A. SYSTEM
REMOTE SPEAKER
SCANNER
SERVICE MONITOR
SOLAR PANELS
SPEAKER MIKE
SWR METER
TAPE RECORDER
T.N.C. w/ CONNECTORS
V-O-M w/ LEADS
VOX UNIT

SUPPLIES

BAGGIES (for waterproofing HT)
BINOCULARS
BUNGEE CORDS
CALL BOOK
CLIP BOARD
CLOCK
COAX SEAL
COMPASS
FIRST-AID KIT
FLASHLIGHT / SPOTLIGHT
FREQUENCY LISTS: Ham (event lists)
FREQUENCY LISTS: Sheriff, etc.
FUEL CAN
FUSES
GARDEN HOSE / NOZZLE
GLUE
HAM-RADIO SIGNS / BANNERS
HEAT-SHRINK TUBING
HOOK-UP WIRE
HOUSTON PHONE BOOK
LOG BOOK
MAGNIFYING GLASS
MAPS / CHARTS
NOTE PADS
PAPER CUPS
PAPER TOWELS
PENS / PENCILS
RADIO INSTRUCTION MANUAL
ROPE
REPEATER DIRECTORY
RUBBER BANDS
SAW
SCISSORS
SHOVEL
SHRINK TUBING
SLINGSHOT (for tree antennas)
SOLDERING IRON & SOLDER
SPARE 12v BATTERIES
SPARE FLASHLITE BATTERIES
SPARE HT BATTERY
SPARE MICROPHONE
SPARE "AA" BATTERIES
TAPE - DUCT
TAPE - ELECTRICAL
TAPE - FRICTION
TAPE - MASKING
TAPE - SCOTCH
TAPE MEASURE
TENNIS BALLS (for car door-jamb switches)
TIE WRAPS
TOOL KIT
TRASH BAGS
TROUBLE LIGHT / BULBS
TWINE / STRING

PERSONAL ITEMS

AXE
BACK PACK
BBQ GRILL
BLANKET
BOOTS
BUG SPRAY
CAMCORDER
CAMERA / FILM
CAMP STOVE
CHANGE OF CLOTHES
CHARCOAL / LIGHTER FLUID
COFFEE / SOFT DRINKS
COLD WEATHER GEAR
COLEMAN LANTERN
COUGH DROPS, etc
DOPP KIT
EATING UTENSILS
EYEGLASSES
FANNY PACK
FIREWOOD
FISHING GEAR
FLAG
FOUL WEATHER GEAR
GLOVES
GROCERIES
HAT / CAP
ICE
KLEENEX
KNIFE (Swiss Army)
LAWN CHAIRS
MATCHES / CIGARETTE LIGHTER
MEDICATIONS (prescription)
MUSIC EQUIPMENT
NAME BADGE
PERSONAL IDENTIFICATION BADGE
PILLOW
READING MATERIAL
REFLECTIVE VEST
SLEEPING BAG
SNACK FOOD
SPENDING MONEY
SPORTS EQUIPMENT
SUN GLASSES
SUNTAN LOTION / SUN BLOCK
TABLE
TARPAULIN
TENT (w/ stakes & ropes)
TELEVISION SET
THERMOS JUG
TOWELS
TOWER-CLIMBING GEAR
TP&WD PASSPORT
UMBRELLA
WATER