



## B-VARC BULLETIN

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

Editor in Chief: Vincent Orlando, WA5ETS

774-7651 (0800-2100 hrs)

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, please call the Houston Amateur Radio Helpline (713) 488-4HAM (488-4426). For information about joining the club, contact Randy Pollard, AK5G, at (713) 667-5123.

Volume: 16 Issue: 9

September 1993

ADDRESS CORRECTION REQUESTED

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



### B-VARC MEETING SCHEDULE

Thurs, Sept. 9 General Membership Meeting  
7:30 pm Sugar Land Community Center  
Program: *Traffic Handling  
Techniques*

Thurs, Oct. 6 Board Meeting  
7:30 pm Sugar Land Community Center

Allen Mattis N5AFV  
5314 Wigton  
Houston, TX 77096

# September 1993

## B-VARC Calendar of Events

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
5 7:30pm South Texas ARES Net 3.873	6 7:30pm 34-94 Swap Net 146.94 8:00pm ARES 147.30 8:00pm Ft. Bend County Emergency Net 145.49 9:00pm B-VARC Net 145.47 & linked repeaters	7 8:00pm 10-10 SHOT NET 28.488 10:00pm AMSAT 147.10	1 8:00pm B-VARC Rag-Chew 3.960 (Busy? +3 KHz)	2 6:30pm RACES AMTOR Net 7.080 7:30pm Board Meeting: Sugar Land Community Center	3	4 7:30am B-VARC Breakfast 9:00am Hou Emergency Mgmt Net 146.84 (9:30 on 3.905) 8:30pm C.W. 147.32
12 1:30pm Texas State RACES Net 7.248 7:30pm South Texas ARES Net 3.873	13 7:30pm 34-94 Swap Net 146.94 8:00pm ARES 147.30 8:00pm Ft. Bend County Emergency Net 145.49 9:00pm B-VARC Net 145.47 & linked repeaters	14 7:00pm Amateur Exams (Strake Jesuit College Prep) 8:00pm 10-10 SHOT NET 28.488 10:00pm AMSAT 147.10	8 8:00pm B-VARC Rag-Chew 3.960 (Busy? +3 KHz)	9 7:30pm General Meeting: Sugar Land Community Center	10	11 7:30am B-VARC Breakfast 9:00am Hou Emergency Mgmt Net 146.84 (9:30 on 3.905) 8:30pm C.W. 147.32
19 7:30pm South Texas ARES Net 3.873	20 7:30pm 34-94 Swap Net 146.94 8:00pm ARES 147.30 8:00pm Ft. Bend County Emergency Net 145.49 9:00pm B-VARC Net 145.47 & linked repeaters	21 8:00pm 10-10 SHOT NET 28.488 10:00pm AMSAT 147.10	15 8:00pm B-VARC Rag-Chew 3.960 (Busy? +3 KHz)	16	17	18 7:30am B-VARC Breakfast 8:00am Sidewalk Sale 9:00am Hou Emergency Mgmt Net 146.84 (9:30 on 3.905) 8:30pm C.W. 147.32
26 1:30pm Texas State RACES Net 7.248 7:30pm South Texas ARES Net 3.873	27 7:30pm 34-94 Swap Net 146.94 8:00pm ARES 147.30 8:00pm Ft. Bend County Emergency Net 145.49 9:00pm B-VARC Net 145.47 & linked repeaters	28 8:00pm 10-10 SHOT NET 28.488 10:00pm AMSAT 147.10	22 8:00pm B-VARC Rag-Chew 3.960 (Busy? +3 KHz)	23	24	25 7:30am B-VARC Breakfast 9:00am Hou Emergency Mgmt Net 146.84 (9:30 on 3.905) 12:00pm B-VARC PICNIC 2:00pm Barbecue Served 8:30pm C.W. 147.32

## Notes from the President . . .

by Betty Wilcox, KAØTEN

August has come and gone, and I think I missed it. The intense heat has made many people stay in air conditioned buildings or homes. Me too.

Several ham friends have been under the weather, but I hear that they are improving. We wish them good health.

Dick, N5OUT, pulled off a fantastic ice cream social at the August meeting. I didn't count how many gallons were there, but if you didn't eat all you wanted, it wasn't because we had a shortage of dessert. Many thanks to all those people who signed up with Dick to bring something and also to those people who didn't sign up. It is a comfort for a chairperson to know that the club will always come through.

We decided that the best solution to the ice cream melting problem was to eat it instead of trying to cool it. Rapid consumption seemed to work fairly well.

Sure hope that you noticed our new, bigger and better coffee pot. No problem now of running out of coffee.

September's meeting will be a presentation on ARRL approved traffic handling technique. This is only the first phase in a joint effort with many clubs in the greater Houston area to work with the American Red Cross to put into place an emergency communications plan.

October's meeting will be held on the 21st instead of the 14th. When the year's calendar was presented to the Sugar Land Community Center, they had already reserved the 14th for another organization. However, B-VARC can probably handle this slight change.

HATS (Houston Amateur Television Society) held their monthly meeting for August, and I am pleased to report that their repeater is up. Of course, every new project has bugs that need to be worked out, and I'm sure they will be. Their location is not as high and does not get out as far as they had originally hoped, but it works. They are transmitting on 70 cm and 23 cm.

## B-VARC RAG CHEW CHECK-INS

3.960 MHz 8:00 pm Wednesdays

Compiled by Melvin Thatcher, KB5ION

### August 11, 1993

AB5OK NCS, KB5ION, N5AFV, N5OAC, N5CPA,  
W5GHK, W5/KJ73TW, KB5VTB, W5GLD, KB5TMY

### August 18, 1993

KB5ION NCS, AB5OK, K5DIY, W5IHY, KI5SC,  
N5OAC, N5CPA, N5AFV, W5GHK, WA5OEN,  
KAØTEN, WN5A, KB5VTB, KB5LFU, N5UOG,  
KK5W

### August 25, 1993

KB5LFU NCS, KB5ION, N5AFV, AB5OK,  
WB5SRN, KI5SC, W5IHY, W5GHK, W5EFB,  
N5CPA, WA5TWL, N5KXU

### September 1, 1993

W5GHK NCS, KB5ION, W5EFB, N5CPA, AB5OK,  
W5IHY, KI5SC, N5OAC, WA5OEN, KB5LFU,  
N5AFV, WB5UTM, KK5W

Thanks to John, KB5ZBR, I now know that the 1993 Houston Ham Convention will be November 12-14 at the Adam's Mark Hotel. Richard, N5KV, is the Houston contact person at (409) 297-0841.

73 de Betty

## 1993 B-VARC Picnic

by Doug Holley, KE5SR

The annual B-VARC picnic this year will be held on September 25th. The place will be at Doug (KE5SR) and Marie Holley's home in Rosenberg. The picnic will be catered as was last year's. The affair will crank up at noon with the barbecue being served at 2:00 pm.

Three meats plus beans and coleslaw will be provided. We are asking members to bring a dessert side dish. Everything else will be supplied as part of the catered meal.

Tickets will be sold by Sam Wilson at the meetings, or you may purchase your ticket from Sam at the picnic. The cost of the tickets is \$5.00 per person.

Attendance at the picnic is open to everyone, not just B-VARC hams. Bring your family, friends, and any one else to the picnic!

Lots of fun, good eating, and fellowship should be had by all. See you there!

73's, Doug

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## **The World of 10-10 International**

by Al Mattis, N5AFV

The S.H.O.T. chapter of 10-10 International wishes to thank all Houston area radio amateurs who helped the chapter during the recent Summer Phone QSO Party which was held August 7-8, 1993. Local participation was about the same as the last couple of QSO parties, but there seemed to be a little more enthusiasm. Maybe losing the Winter Phone QSO Party held February 6-7, 1993, was not all bad for the S.H.O.T. chapter.

Propagation during the QSO oparty was poor on Saturday, but on Sunday things changed. Propagation was excellent from about 9:00 am until 12:30 pm local time. Signals were 59+ from many stations in nearby states. All states bordering Texas were heard, and at one point the sporadic E skip was so short that I was able to work a station located in Big Bend National Park. I missed most of Sunday's superb opening, but I still ended up working 14 states and 2 foreign countries using a wire antenna and an Icom 735.

More importantly, everybody had a great time operating in the laidback contest atmosphere. A number of local amateurs collected the necessary 10 ten-ten number so that they could obtain their own number. The S.H.O.T. chapter also picked up a couple of new members. If you are a S.H.O.T. member and operated in the QSO party, please send your logs to Harlan Moore, KI5UG; 7406 Standard Road; Magnolia, TX 77355. Harlan is the chapter's contest coordinator. He will check your log over to make sure the paper work is complete and forward it on to Ten Ten International's scoring chapter.

The summer propagation season is still with us, so check the 10-meter band occasionally for sporadic E openings. Summer is the time of the year to work nearby states on ten meters. The states along the

east and west coasts will be easy to work during the winter. Novice and technician plus operators find that *Worked All States* is a very achievable goal on ten meters.

Remember, the Houston S.H.O.T. net meets every Tuesday evening at 8:00 local time on 28.488 mhz. All amateurs are welcome to check in, even if they do not have a 10-10 number. If you are not a member of 10-10 International and wish to join the organization, please check into the net. There are a lot of exciting activities in 10-10, and many friendly people can be found on the 10-meter band.

73 de N5AFV

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## **B-VARC Board of Directors Meeting Minutes, August 5, 1993**

by Bud King, N5UOG

A quorum of the B-VARC Board of Directors met at the Sugar Land Community Center on July 1, 1993. This was the eighth meeting of the Board of Directors for the 1993 calendar year.

President Betty Wilcox, KA0TEN, called the meeting to order at 7:30 P.M.

The minutes of the July 1st meeting were submitted by Bud King, N5UOG, and approved unanimously by those present.

Club Treasurer, Sam Wilson, N5CPA, reported a balance of \$4,100.29 in the treasury as of July 31, 1993. The Treasurer's report was approved unanimously.

Vice President Doug Holley, KE5SR, reported that those in attendance at the B-VARC Camp Out enjoyed it, in spite of the heat. His report also included the date of the Club Picnic as September 25th and the cost to be \$5.00 per ticket. Doug will once again conduct a "Code Class." The classes will begin Monday evening at 7:00 on August 9th and continue every Monday evening at the same time until the objectives of those attending have been reached. Claude Sessions, K5HFX, has arranged for the class to be held in the First Colony Church of Christ; 3119 Sweet Water Boulevard; Sugar Land, Texas.

Mel Thatcher, KB5ION, confirmed the "well being" of the Rag Chew Net.

- The Board approved a motion to have Claude Sessions, K5HFY, purchase a new coffee maker for the club.

Al Zermeno, KK5W, stated that he and Carl Hacker, KB5LDY, are preparing a program which will instruct the membership on the accepted ARRL Standard Form of Emergency Communications.

Sam Wilson, N5CPA, notified the Board that the club's membership had reached 251.

Betty Wilson adjourned the meeting at 8:30 P.M.

Dear Claudia,

Thank you for the information on the members of B-VARC who might be interested in participating in the bike ride for which I was organizing the Medical Hams. (Howard Gerber from ECHO actually organized the overall ride for the Hams.) All of the people I reached were very enjoyable to talk to and were willing to help if they could. As with most of our schedules it was not possible for all. Ten B-VARC members did participate in the Katy Flatland Century on July 25, 1993. The people were very friendly and helpful. Your club should be proud to have individuals such as these as its members. We had a total of over 30 hams from 6 different clubs helping out; a great show for the hams in this area. Following is a list of those who participated, and we appreciate their help and fine service. The Brazos Valley Amateur Radio Club is a leader in community service and is an example for all of the clubs and amateurs to follow.

Carl Albrecht	AA5JW
Mike Hardwick	NSVCX
Ron Harris	NSMKO
Kelly Hughes	NSYKV
Max North	NTBI
Jack Roberts	KBSTMY
Esther Stiver	KB5URT
Frank Stiver	NSGOM
Leon Toler	KB5UPZ
Don Wade	WBSIBT

And the fine folks from the motorcycle support group. (Sorry, I do not know which B-VARC hams participated as part of this group.)

Thanks again. You have a great group of Amateur Radio Operators, and I look forward to working with them again.

**Bret Prichard**

Bret Prichard, N5VOY  
Lake Houston Repeater Association, 146.620 Mhz  
P. O. Box 266354  
Houston, TX 77207  
(713) 645-5400

## B-VARC Public Service Events by Claudia Kozinetz, N5VCZ

Planning is underway for the radio communications support for the ALA Alamo Challenge Bike Ride to San Antonio, October 2-3. Communications coverage is needed at break points, with sag wagons, supply trucks, medical, lunch stops and finish line. The beautiful weather in Texas in October can be your excuse for volunteering for this event! Come have fun with your B-VARC colleagues—just give Claudia Kozinetz, N5VCZ, a call at 789-9571 or 770-3730.

### Future public service events:

25K Marathon Warm-up Run  
Downtown Houston, Sunday, November 21st  
30K Marathon Warm-up Run  
First Colony, Saturday, December 11th.

The radio support provided by members of B-VARC was greatly appreciated as expressed in the letter that I recently received and that is reprinted to the left. Kudos to the group that helped with the Katy Flatland Century bike ride in July!

## The Taos Hum by Allen Mattis, N5AFV

An interesting LF mystery concerns a low frequency sound heard in New Mexico during the past year. Many New Mexico residents report hearing a low frequency audio sound that has become known as the "Taos Hum." While preliminary experiments have been unable to detect an acoustic signal, many New Mexico residents report hearing the strange sound. Previous reports have indicated that the hum is a low frequency sound in the 33 to 80 Hz range.

Dr. Joe Mullins, chairman of the University of New Mexico Department of Mechanical Engineering, has conducted a study of the strange "sound." In Dr. Mullins' study, persons who have heard the "sound" were exposed to artificially generated sound waves, and resulting tests indicated that the sound resembles vibrations in the 20 to 80 Hz range. It is possible that the "Taos Hum" results from an electromagnetic field, but final results of the study have not yet been released. The study was concluded in May, and a final report is expected in the near future.

At least one geologist, Gordon Scallion, feels the hum is "due to plate tectonic movement." Plate

tectonics is a model which explains continental drift. The earth's surface is composed of "plates" which move with respect to each other, resulting in continental drift. Scallion believes that the "Taos Hum" results from movement of these plates. In the plate tectonic model, a boundary between two plates may underlie a portion of New Mexico.

The "Taos Hum" continues to attract the interest of researchers. A few people have even attributed the hum to the presence of UFO's. Articles about the strange hum have appeared in *Newsweek* (May 3, 1993), *Earth Changes Report* (July, 1993), and *Geo-Monitor* (July, 1993). While preliminary studies suggest that the "Taos Hum" may result from some ELF natural radio phenomena, serious investigators await the results of the University of New Mexico study.

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### **1993 B-VARC Campout**

by Doug Holley, KE5SR

Originally the B-VARC campout was scheduled for May 1st. Due to rain and flooding of the park, however, the park rangers rescheduled our campout date for July 17th. Hot, hot, and more hot was the weather. So a spring campout moved from spring to mid-summer.

Few people came to the event due to the weather. Bill and Norma Dessens, Al Zermeno, Betty Wilcox and I came. Charlie Prochaska and family joined us just for dinner but could not stay overnight.

Bill and Norma brought their camper as did Al Zermeno. The remainder were tent campers.

We cooked and enjoyed a large camp dinner. We all ate too much, but enjoyed the meal immensely. A big breakfast also followed on Sunday morning.

We had a radio set up for HF. Betty brought her Kenwood 930, and we put up a trapped dipole antenna. Most of the evening and night were spent making contacts on the radio.

Next spring we will plan a much cooler campout. We all enjoyed this one very much, except for the hot weather, but we are definitely planning our 1994 campout to take place in the spring or fall season. I

think we will pass on having another campout during the summer season!

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### **Results of the August Amateur Exams**

by Harold Parker, ND5F

B-VARC again sponsored and administered the ARRL's Amateur Radio Examinations that were held on Tuesday evening, August 10, 1993, at Strake Jesuit College Preparatory in Houston.

#### **The V.E. Team**

Harold Parker, ND5F  
Don Schexnailder, AB5IV  
Jack VanDemark, WN5A

#### **Assistants**

Cass Germany, KG5IT  
Irene Gordon, N5AYX

A total of thirty-six exams were administered during the evening to seventeen applicants. Five unlicensed candidates received their new licenses: one Novice and four technicians. Two others upgraded with a total of nineteen elements passed. The overall "pass rate" for the evening was fifty-three percent.

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

Carl Albrecht, Jr., KB5KJT — General  
Joseph Clements, KC5BAK — Element 3B  
John Davis — Technician  
Donald Edwards — Novice  
Mark Holbert — Technician  
Madison Jones, KB5ZMH — Advanced  
Sameer Sheth — Technician  
Daniel Tetzlaff — Technician  
Hendrik Vat — 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's ... ND5F

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**October Bulletin Deadline**

Articles and other material destined to be printed in the October issue of the B-VARC *Bulletin* should be submitted by no later than September 25th. Please send the material to Vincent Orlando, WA5ETS; 300 Bellaire Boulevard; Houston, TX 77036-4699 or FAX (713) 774-6427.



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KJ5BG  
x-WA5NRM

# 1993 ATTENDANCE ROSTER

## B-VARC GENERAL MEETINGS

		J U N	J U L	A U G					
AA5JW	Carl Albrecht	✓		✓	WA5HGG	Jack Lewis		✓	
KB5KJT	Carl Albrecht, Jr.			✓	KB5ZBT	Jim Lewis		✓	
KI5WV	John Ashmore	✓		✓	N5VXU	David Litchford	✓	✓	
	Tom Bailey			✓	KC5ALR	George Lolley	✓	✓	
WA2EJO	Robert Berger			✓		Al Ludwig			
KC5BAJ	Chris Blankenship	✓	✓		N5AFV	Mindy Manley			✓
KB5YPC	Bill Brown	✓	✓		KA5DKS	John Martin	✓		✓
KB5KLY	Don Brown, Sr.	✓	✓	✓	N5UGG	Al Mattis			
KB5PAJ	Marion Chambers	✓			K5ADKS	Ken McAninch		✓	
KI5SC	Michael Chambers	✓			N5UGG	Excemcia McCasland		✓	
WD5L	Rick Covert			✓	N7ZVB	Mike McCasland		✓	
KB5USL	Craig Culver	✓	✓		KG6JCM	Scott McCasland		✓	
KC5AK	Don Daze	✓	✓		KB5PZU	Keith Megeff		✓	
KB5WWW	Larry Daze	✓	✓		N5WLY	Robert Meyers	✓	✓	
WA3PMT	Steven Deaktor	✓	✓	✓	KB5WYX	Rodney Miller	✓		
N5KXU	Bill Dessens	✓	✓	✓		Letticia Molina			✓
	Jason Dillon		✓		N5RBT	Art Neumeyer	✓		
	Vicki Duke			✓	KC5BQT	Larry Nix	✓	✓	✓
	Sherry Duff	✓			KD4IWB	Pete Norris	✓	✓	✓
N5JBL	Stephen Dunkelberger	✓			WA5ETS	Vincent Orlando	✓	✓	✓
	Don Edwards			✓	KB5ZRV	Bruce Paige	✓	✓	✓
WB4LZG	Glenn Edwards			✓	ND5F	Sebastian Paige	✓	✓	✓
	Kathy Edwards			✓		Harold Parker	✓	✓	✓
	Mark Ehrensberger			✓	KI5DR	Mary Ann Parker			✓
W5LK	Ed Evans		✓	✓	KB5LFU	Scott Pederson	✓	✓	✓
N5EXH	Frank Ewing	✓	✓	✓	AK5G	Roger Pokladnik	✓	✓	✓
N5XVZ	Rick Fitch	✓	✓		KB5VTB	Randy Pollard	✓	✓	✓
NL7PQ	Ian George	✓			KG5KV	Lanny Poteet	✓	✓	✓
	Jerry Goodson			✓		Charles Prochaska	✓		
KA5IJK	Karen Goodson		✓	✓	N5YKR	Rajesh Rao	✓		
	Mark Goodson	✓	✓	✓		Jessica Ricco			✓
WA5OEN	Sandra Gottlieb	✓	✓	✓	N5NAS	Michael Ricco	✓	✓	✓
KB5LDY	Steve Gottlieb	✓	✓	✓	KB5TMY	Robert Ricco	✓	✓	✓
N5VRR	Carl Hacker	✓	✓	✓	N5VRP	Vic Richard	✓	✓	✓
	Don Hadley	✓	✓	✓		Jack Roberts	✓	✓	✓
N5VCX	Reeda Hadley	✓	✓	✓	KA5FDK	Dennis Rogers			✓
KB5WZI	Mike Hardwick			✓	K5CNU	Brandon Seay			✓
	Richard Harrison		✓		K5HFY	Frank Seay			
	Barbara Haywood	✓			WB5TKI	Bernice Sellers	✓		
	Mail Holbert			✓	W9LCQ	Tom Sellers	✓		
N5JQH	Paul Holcombe	✓	✓	✓		Claude Sessions	✓	✓	✓
KE5SR	Doug Holley		✓	✓	N5PRC	Douglas Seyler	✓		
	Marie Holley			✓	KB5EXM	Jay Seyler	✓		
WA5TWL	John Holliman	✓			KB5QYF	Sameer Sheth			✓
W5/FE6CNB	Remi Hutin	✓			KB5ZKO	Steve Skelton	✓		
N5RZN	Emmett Jackson			✓	N5WMA	Irv Smith	✓		✓
	Guy Jackson		✓	✓		Llew Smith	✓		
KB5YTA	Dwayne Jones			✓	WB5VYR	Don Sommer	✓	✓	
KA0TEO	Roxy Keller	✓	✓		AB5LT	Oraida Starr	✓		✓
N5XGW	Charles Keng			✓	KB5ION	James Sumrall	✓		
N5UOG	Bud King	✓	✓	✓	KB5UPZ	Charles Taylor	✓	✓	✓
AB5LI	Bob Kline	✓	✓		KA5LPH	George Taylor	✓	✓	✓
KB5VTE	Grayson Knapp	✓			KD5JC	Melvin Thatcher			✓
	Naveen Korivi	✓			KB5ZKN	Leon Toler			
N5VCZ	Claudia Kozinetz		✓		WB5IBT	Jerry Tripp		✓	
W5IHY	Lou Kronberg	✓		✓	KB5ZBR	Ed Truitt	✓	✓	✓
N5OUT	Dick Kruse				N5XWB	Clifford Tubbs			
N05C	Elton Kytie				N5ZUE	Don Wade	✓	✓	✓
	Lee Lawson	✓	✓		N5UOA	John Wardlow	✓	✓	✓
N5PTN	Michael Lay	✓	✓	✓	KA0TEN	Donn Washburn		✓	✓
	Patricia Layton	✓	✓	✓	WD5AJC	Gerald Webb		✓	✓
KB5TIB	Thomas Layton	✓	✓	✓	N5CPA	Mark Widerstorm		✓	✓
K5LFW	Greg Lefebvre	✓	✓	✓	KC5BQU	Betty Wilcox	✓	✓	✓
WD5DRB	Larry Levy	✓	✓	✓	W5GLD	Dale Williams	✓	✓	✓
KB5VTO	Gary Lewis			✓	KK5W	Sam Wilson	✓	✓	✓
						Henry Wise	✓	✓	✓
						Frank Wood	✓	✓	✓
						Al Zerneno	✓	✓	✓
						TOTAL:	75	65	74

# 1993 B-VARC PUBLIC SERVICE HONOR ROLL

Compiled by Claudia Kozinetz, N5VCZ

A. Houston Marathon

B. K-9 Fun Run

C. Special Olympics, Area 22

D. MS 150 Bike Tour

E. ALA Clean Air Bike Ride

Albrecht, Carl	AA5JW	D
Chambers, Marion	KB5PAJ	A
Chambers, Mike	KI5SC	A
Cheek, Ralph	KB5DNT	A,D,E
Conte, Frank	N5YKZ	A
Cox, Lawrence	N5OUZ	A,B
Creel, Fred	N5LYB	D
Culver, Craig	AB5OK	A
Dessens, Bill	N5KXU	A,B,C
Dillard, Ray	WA5F	A
Dunkelberger, Steve	N5JBLA	B
Edwards, Glenn	WB4LZG	A,C,D
Edwards, Melanie	KB5KLH	C,D
Gordon, Irene	N5AYX	A
Hacker, Carl	KB5LDY	A,B,E
Hagerman, Dick	WB5SRN	A
Hardwick, Mike	N5VCX	A,B,D,E
Harris, Ron	N5MKO	D
Holley, Doug	KE5SR	C
Hughes, Kelley	N5ULZ	A
James, Mark	N5YKV	A
Kemp, Bill	KG5CB	D
King, Bud	N5UOG	A,B,C,D,E
Kozinetz, Claudia	N5VCZ	A,B,C,E
Lay, Michael	N5PTN	C,D
Layton, Thomas	KB5TIB	C
Levy, Larry	WD5DRB	A

Mattis, Allen	N5AFV	A
McCasland, Excemcia	N5UGGC	
McCasland, Mike	N7ZBV	E
McCasland, Scott	KG6JCM	C,E
Meyers, Robert	N5WLY	A
Morrison, Henry	W5RIY	A,C,E
North, Max	N5TBI	A,D,E
Orlando, Vincent	WA5ETS	A
Parker, Harold	ND5F	A
Pokladnik, Roger	KB5LFU	D
Pollard, Randy	AK5G	C,E
Roberts, Jack	KB5TMY	A,C,D
Rogers, Dennis	N5VRP	C
Smith, Irv	KB5EXM	A,D
Starr, Oraida	N5WMA	A,C,D,E
Stiver, Esther	KB5URT	A,B,C,D,E
Stiver, Frank	N5TGM	A,B,C,D,E
Tiemann, Thomas	KB5UEI	C
Toler, Leon	KB5UPZ	C
Turner, David	WB5TCW	A,E
Wade, Don	WB5IBT	A
Warden, Mike	WB3HZP	A
Washburn, Donn	N5XWB	A,B
Webb, Gerald	N5ZUE	B,D
Wilson, Bill	KA5GHI	A,D,E
Winford, Clem	WB5SHU	A

Please report corrections or additions to N5VCZ

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