



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: 3

March 1994

ADDRESS CORRECTION REQUESTED

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



B-VARC MEETING SCHEDULE

Thursday, March 10 7:30 pm	Regular BVARC Membership Meeting - Sugar Land Community Center
Thursday, April 7 7:30 pm	Board of Directors Meeting Sugar Land Community Center

Allen Mattis N5AFV
5314 Wigton Drive
Houston, TX 77096



March 1994

B-VARC Calendar of Events

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	2 8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	3 7:30 PM B-VARC Board Meeting: Sugar Land Community Center	4	5 7:30 AM B-VARC Breakfast 8:30 AM CW on 147.32 9:00 AM Hou. Emer- gency Management NET 146.84 (9:30 on 3.905)	
6 7:30 PM A.R.E.S. Net 147.30	7 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 8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	9 8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	10 7:30 PM Membership Meeting Sugar Land Community Center	11	12 7:30 AM B-VARC Breakfast 8:30 AM CW on 147.32 9:00 AM Hou. Emer- gency Management NET 146.84 (9:30 on 3.905)
13 1:30 PM Texas State RACES Net 7.248 7:30 PM A.R.E.S. Net 147.30 K-9 Fun Run	14 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	15 8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	16 8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	17	18	19 7:30 AM B-VARC Breakfast 8:00 AM Sidewalk Sale 8:30 AM CW on 147.32 9:00 AM Hou. Emer- gency Management NET 146.84 (9:30 on 3.905)
20 7:30 PM A.R.E.S. Net 147.30	21 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	22 8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	23 8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	24	25	26 7:30 AM B-VARC Breakfast 8:30 AM CW on 147.32 9:00 AM Hou. Emer- gency Management NET 146.84 (9:30 on 3.905)
27 1:30 PM Texas State RACES Net 7.248 7:30 PM A.R.E.S. Net 147.30 Blue Bonnet Bike Ride	28 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	29 8:00 PM 10-10 SHOT Net 28.488 10:00 PM AMSAT 147.10	30 8:00 PM B-VARC Rag Chew 3.960 (Busy? +3 Khz)	31		

February

S

M

T

W

T

F

S

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

April

S

M

T

W

T

F

S

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

February						
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					

April						
S	M	T	W	T	F	S
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

Notes from the President by Doug Holley, KE5SR

With all the ice we had in February, our regularly scheduled meeting attendance was down significantly. Our scheduled speaker for the Army MARS program was unable to travel the treacherous highways from his home in Tomball to the meeting site for his presentation. Areas north and west of Richmond were severely hit by ice. His program has been rescheduled for our March 10 meeting, weather permitting.

The presentation about the M.E.R.A. repeater given by Randy Pollard, AK5G, at the February meeting was both informative and productive. There were many things that I did not realize, like the site restrictions and antenna problems that we face. The repairs and antenna upgrade are needed for the 145.47 MHz repeater. M.E.R.A. has been allocated a 440 MHz repeater frequency pair. I think we should take advantage of the site and frequency pair allocation to purchase and install a 440 MHz repeater pair

After all the work is completed on the 145.47 machine. I, along with M.E.R.A., ask for your support with these two important projects. The two lifelines of communication that bind the BVARC organization together are the repeater and the BVARC Bulletin.

The March 3, 1994 Board meeting is the date we will schedule the rest of the yearly events on our calendar. Included will be all known special event programs, campout, picnic, ice cream social, chili supper, and other events. If you have special religious holidays or other dates of events that might conflict with our schedule, please attend so your dates can be taken into consideration.

Please remember that all BVARC board meetings are open to everyone, even non-members. This past board meeting we had two people attend that were not even BVARC members, and they both joined the club before they left the meeting.

Before the General Membership meeting in March, we will vote on whether to raise the general yearly membership

B-VARC RAG CHEW CHECK-INS

3.960 MHz 8:00 pm Wednesdays
Compiled by Melvin Thatcher, KB5ION

February 9, 1994

KB5ION (Net Control), AB5OK, W5EFB, N5OAC, KI5SC, N5CPA, W5IHY, KB5PAJ, KE5SR, W5GHK, N5YKR, N5UOG, W5GLD, N5KXU, KB5LFU

February 16, 1994

KE5SR (Net Control), KB5ION, W5EFB, WA5OEN, N5CPA, KI5SC, KB5PAJ, N5UOG, N5OAC, N5AFV, W5GHK, WN5A, KB5LFU, N5YKR, WD5DRB, AB5OK, KK5W

February 23, 1994

KB5ION (Net Control), KI5SC, N5AFV, KB5PAJ, WA5OEN, AB5OK, N5OAC, KE5SR, KK5W, N5CPA, W5GLD, N5YKR, KB5NUS

dues from \$12 to \$16, still prorated on the calendar year. The new rate will take effect April 1, 1994. If you have already paid \$12 for 1994, or pay in March, the increased rate will not affect your 1994 membership.

As our club has grown over the years, so have expenses. We have been fortunate to have had extremely economical printing for our Bulletin and donated materials for many of our projects which today we do not enjoy so plentiful. The last increase in dues has been over six years ago, and even this modest increase works out to about five percent per year. Considering the cost of our hobby, this is a bargain. A two-thirds majority vote is required to amend the bylaws, thus I urge you to attend the March meeting and vote for the bylaw amendment. It's a good investment in our future.

See you at the March meeting. Good DX and 73's.

Doug, KE5SR

PAIGE COMPUTERS, INC.

Largest EPSON® Service Center in Texas
We Sell & Service Epson, NEC & Toshiba Products
as well as your favorite software - Discount for BVARC



7625 Boone Rd.
Houston, Texas
77072

BRUCE PAIGE
KB5ZRV

Voice - 713-933-8386
FAX - 713-933-3544

JANUARY BOARD MEETING

by Bud King, N5UOG

A quorum of the BVARC Board of Directors met at the Sugar Land community Center on February 3, 1994. This was the second meeting of the Board members for the 1994 calendar year. The following Board members were in attendance: Doug Holley, KE5SR; Mel Thatcher, KB5ION; Betty Wilcox, KA0TEN; Sam Wilson, N5CPA; Victor Richard, N5NAS; Claude Sessions, K5HFY; Vincent Orlando, WA5ETS; Gerry Borg, N5APW; and Bud King, N5UOG.

President Holley, KE5SR, opened the meeting at 7:30 PM. The minutes of the January 6th Board meeting were submitted by Bud King and approved unanimously.

The Club Treasurer, Sam Wilson, N5CPA, reported a balance of \$3,988.76 in the treasury as of January 31, 1994. The treasurer's report was unanimously approved.

Mel Thatcher, KB5ION, reported the "Rag Chew" net continues to maintain its average number of weekly check-ins. Mel related an incident about a check-in from a mobile unit that was in the vicinity of Junction, Texas.

Items held over until the March 3rd Board meeting include the BVARC audit report for 1993 and the Public Service Net reports.

Claude Sessions, K5HFY, reported that his supervisor had notified him that his request for the use of their copying equipment to print the BVARC Bulletin had been approved. This news brought forth a discussion on the use of a Bulk Mail permit. A motion was approved to apply for a Bulk Mail permit in the name of BVARC.

Vincent Orlando, WA5ETS, provided President Holley with a written copy of a proposal to amend the BVARC By-Laws, as prescribed by Article IX, Section B, of those By-Laws. The proposed amendment concerned

the raising of the annual BVARC membership dues from \$12 to \$16 per calendar year.

Bud King, N5UOG, suggested that a letter of appreciation be sent to the General Manager of the Houston Engineering and Scientific Society thanking them for their efforts which helped to make our annual awards banquet such a success. The suggestion was approved by the Board and the President indicated he would prepare and send out the letter.

President Holley discussed the program planned for the February General Meeting, which will include a presentation about the MARS program.

Discussion concerning the Code and Theory classes for the Spring sessions were held without any definite conclusions reached. Doug Holley, KE5SR, adjourned the meeting at 9:00 PM.



Lou Kronberg
Chairman of the Board
WSIH

7106 Maple Ridge - Houston, Texas 77061 • (713) 666-2371

The Passing of a Great Lady

by Doug Holley, KE5SR

Beth Lamkin passed away on February 5, 1994. Beth was best known as the wife of Stu Lamkin, one of the founders and cornerstones of BVARC and also a Past President. Beth died of complications following a short illness. Beth and her daughter, Lori, were also members of BVARC in past years.

Beth will be greatly missed by my family as well as the membership of BVARC.

1994 PUBLIC SERVICE EVENTS

by Michael Hardwick, N5VCX

The organizational meetings for the upcoming Public Service events have been going well. There are still a few more slots open for the K-9 Fun Run on Sunday, March 13, 1994. I am also taking names for the ALA Clean Air Bike Ride which is May 1, 1994. The MS-150 is coming together very well, but we can always use more people.

Our friends over at ECHO will be working the March of Dimes Walk-a-Thon on Sunday, April 17, 1994. That event will have around 25,000 participants and ECHO will need about 30 Hams for the event. Here is a list of the upcoming events and their contact person:

EVENT	DATE	CONTACT
K-9 Fun Run 2 mile run/walk	Sunday March 13	Mike Hardwick, N5VCX W/443-8636 H/662-6800
Blue Bonnet Bike Ride	Sunday March 27	Bret Pritchard, N5VOY W/H/645-5400
March of Dimes Walk-a-Thon	Sunday April 17	Don Daze, KC5AK W/853-7644 H/464-7286
MS150 Bike Ride	Sat/Sun April 23, 24	Bret Pritchard, N5VOY W/H/645-5400
ALA Clean Air Bike Ride	Sunday 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 radiol

GADGETEER'S ELECTRONIC SUPPLY

9880 WESTPARK DRIVE
HOUSTON, TX 77063
PH: (713) 878-8578
FAX: (713) 878-8578

LOU MARINO
PRESIDENT

10% DISCOUNT TO HAMS
(On Selected Merchandise)

PRESSURE MOUNTING FOR LOW FREQUENCY HAM BAND

by Allen Mattis N5AFV/KL7

For many years in the United States, the frequency range from 160 to 190 kHz (1750 meters) has been available for license free operation limited to a power of one watt or less, and an antenna and transmission line not exceeding 50 feet in length. This license free allocation may be affected by recent research, including Project Beacon here in Houston, which has lead to a nationwide interest in a possible relationship between low frequency radio waves and earthquake prediction.

In September, 1993, Ken Cornell, W2IMB, of Point Pleasant Beach, NJ, started an effort to petition the FCC to allow amateur radio operators to transmit signals in the 160 to 190 kHz band in order to further earthquake prediction experiments. Cornell is best known for his "Low and Medium Frequency Radio Scrap Book", now in its 8th edition. This collection of circuit diagrams for low frequency receivers, transmitters, antennas and other related equipment has become one of the primary reference books for low frequency experimentation.

The ARRL has long wanted a band in the low frequency range. In the January, 1993, issue of QST (page 9), ARRL Executive Vice President David Sumner, K1ZZ, states "Yet, we have no allocation in the interesting low frequency range..." when he discusses future amateur radio spectrum needs. In the same issue of QST (page 82), ARRL Senior Editor James Cain, K1TN, relates how the ARRL has filed comments with the U.S. Department of Commerce that state amateurs need "A new, shared allocation in the vicinity of 190 kHz (a new LF allocation, for experimentation)."

The interest in these low frequencies is not restricted to the United States. Papua New Guinea recently authorized a new amateur radio band from 160 to 195 kHz. Power is limited to an ERP of 10 watts, and there is no restriction on antenna size. Great Britain is considering implementation of a similar LF amateur band with a power limit of 8 watts. As more IARU countries give amateur radio operators LF privileges, the pressure will mount for the FCC to do so here in the United States.

With other IARU countries already authorizing amateur radio operation on 1750 meters, how long will it be before we have a similar frequency allocation in the United States? Can the first trans-Atlantic LF contact be far behind? Watch for updates about a possible new low frequency amateur radio band in future articles.

FEBRUARY EXAM RESULTS

by Harold Parker, ND5F

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

V.E. TEAM:

Carl Albrecht, AA5JW
Steve Moynihan, AA5LF
Harold Parker, ND5F

Assistants:

Craig Culver, AB5OK
Cass Germany, KG5IT
Irene Gordon, N5AYX
Don Schexnailder, AB5IV

A total of 37 exams were administered during the evening to 18 applicants. Two unlicensed candidates received their new licenses: 1 Technician Plus and 1 Technician. Five (5) others upgraded with a total of 17 elements passed. The overall "pass rate" for the evening was 46%.

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

Keith Alverson, WB5ONS - Advanced
Brenda Andrews, Pending - Tech Plus
Luis Covarrubias, N8MSM - Element 3B
Ron Eisenbrey, KC5DFX - Element 4B
Otis Galloway, KB5ZMM - Tech Plus
Jay Hazelwood - Technician
Madison Jones, KB5ZMH - Extra
Arthur Marshall - Tech Plus

Rudy Novotny, KB5ZXO - Element 4A

Mitchell Peterson, KE6AAK - Element 3B

Ron Smith, KJ5PU - Element 4B

Thomas Warren, KA5EEC - Advanced

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.

Beltone
Better Hearing Through Professional Care
LAWRENCE COX, BC, NBC-HIS
CERTIFIED AUDIOPROSTHOLOGIST N304UZ
BELTONE HEARING AID CENTER
2413 AVENUE H ROSENBERG, TEXAS 77471 713/342-1205
5705 FONDREN HOUSTON, TEXAS 77056 713/977-8781

BELTONE
HEARING AID
AND AUDIOMETERS

HARRIS
MANAGEMENT TECHNOLOGY
Increase sales & efficiency!
GoldMine sales management software helps you get results by making your sales cycle more effective! Call today for information.
RON HARRIS
(aka N5MKO)
Phone 713/961-9600

Car Stereos • Car Alarms • Car Phones
Custom Installation Services
River Oaks Car Stereo
Eddie Runner - N5PNX
(713) 661-9961
5532 Wesleyan
(behind Renda's)
Houston, TX 77006

THE WORLD OF TEN TEN INTERNATIONAL

by Al Mattis N5AFV/KL7

The big Ten Ten activity of February was the Winter Phone QSO Party held February 5-6, 1994. Many Houston area amateurs participated in the special contest nets held Friday and Saturday evenings by the S.H.O.T. chapter. During the contest, I worked the following B-VarC members - AB5OK, W5EFB, N5OUT, KB5ZRV, N5UOG and K5HFY. It was nice to see so many operators enjoying themselves in the QSO party, despite the rather poor propagation conditions. The band opened only briefly each day, and many operators missed the short openings.

The Space Houston On Ten (S.H.O.T.) chapter is pleased to welcome David Heard, N5SRC, as its newest local member. It's nice to see the continued growth of the chapter, and the many newly licensed or upgraded amateurs who participate 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), Restoration Project (BC), Branding Iron II (TX), Twin Tiers (NY) and Castle Craig (CT). Paper chasers are very excited about a new chapter called Texas Gamblers which has been formed at Rockport, TX. Very few chapters have created as much excitement on the band in the first month of operation as Texas Gamblers. Sad news among paper chasers was the death of Bill Miller, WB2SXT. Bill was an active member of the Brooklyn Bridge (NY) chapter, and will be missed by many Ten Ten members.

Despite the poor conditions during the week end of the QSO Party, propagation on the ten meter band has been fairly good this past month. Regular openings to the Pacific Northwest, California and New England have been the rule. DX is not as frequent or strong as it was last year, but consistent contacts with Latin American stations may be made on the band.

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.

(713) 587-1064

HAMMER COMMUNICATIONS

DAVE & CINDY HAMMER
2407 QUIVER DR.
HOUSTON, TX 77067
WJ5B & N5LXE

RADIO CONSTRUCTION, REPAIR, INSTALLATION
BROADCAST & TOWER SERVICES

EDITOR'S NOTE

You may notice some subtle differences in this month's Bulletin. As we are experimenting with adding new articles, columns, and features, we are having to change around some of the other items which have always been an important part of the Bulletin. You may notice that the Membership Meeting Attendance notice is a little different this month.

These changes are driven by several factors. One of the main factors is that we are now using an updated software version to publish the Bulletin. Some of the older graphics and features did not convert well into the new software, hence the changes. Also, you may notice different type sizes and line spacing. This is to end up with a full, 10-page Bulletin. We are currently limited to five front/back pages by the current mailing system. We are investigating bulk mail which may change this. But in the meantime, we spend the same amount to send five front/back pages as we do one page. If there are more articles, smaller type and line spacing is used. Less articles result in larger type and line spacing. Remember, the Bulletin is what YOU make it.

HAM RADIO AND COMPUTERS

by Kelley Hughes, N5ULZ

Most of you no doubt are familiar with the many uses computers have in today's Ham shack. There is Packet radio, AMTOR, PACTOR, WEFAX, Slow Scan Television (SSTV), and even lately the sending and receiving of the venerable CW message by computer interface with the modern Ham rig. While these are all exciting and new ways to communicate, there is another way, which I use on a daily basis, to communicate with Hams all over the world. And get this, I can communicate 24 hours a day via a crystal-clear and interference-free means with a Ham in Germany, Russia, Africa, Australia, Japan, and all over the world even when the propagation is terrible. How do I do it? One word says it all....HAMNET!

HAMNET is a "Forum" on the Compuserve Information Service (CIS). Compuserve is an electronic bulletin board system (BBS), and is one of the oldest and largest commercial on-line system around. Since these systems are commercial, there is a slight fee while you are actually connected "on-line". A Forum is a special interest meeting area where people can leave and answer messages to and from other people with similar interests. On Compuserve there are hundreds of these forums, virtually any topic you can think up has a forum area on Compuserve. In addition to a message area or "Bulletin Board", there are also libraries available in the HAMNET forum which contain computer files of many and varied Ham-related topics. Specific library areas available on HAMNET include "Shortwave Listening", "VHF/UHF Scanning", "Equipment & Antennas", "Your Ham License", "FCC and Regulatory", "Computer Software", "Amateur Satellites", and "CW and Morse Code". Vendor support is also available in the "Vendor Support" section, and there are specific

sections for AEA and ICOM support. Also represented are MFJ, Alinco, Drake, PacComm, Quantum, CQ Communications, and InterFlex Software. Any question left for AEA or ICOM will generally have a "Factory-approved" reply within 24 hours. You can't beat that with a stick! The ARRL Deputy Manager of Field Services, Luck Hurder, KY1T, is always available to answer any and all questions regarding the ARRL and its available services. Don Stoner, W6TNS, Founder of the National Amateur Radio Association (NARA), is a regular contributor to the discussions.

I have even used HAMNET as my own personal "Elmer". Whenever I have ANY question related to Ham radio I simply leave a message on HAMNET. Within hours I am literally swamped with expert replies to my question. These questions have included such things as "How can I...?", "Why is it that.....?", and "Is it OK for me to....?". Believe me, there is nothing better than to have a question late at night, simply post it on HAMNET before you go to bed, and when you wake up, BINGO! You have several detailed, and correct, replies from some of the top experts in Ham radio today.

There is also a very active "Swap Shop" section on HAMNET. I have purchased almost all of my equipment from other users of HAMNET. True, you are buying the equipment sight unseen, but the "Hamnetters" are generally scrupulously honest. In the years that I have been active on HAMNET I have never heard of anyone getting burned. And I have gotten some great deals there.

Hopefully this has gotten you excited to at least visit the HAMNET forum on Compuserve. Next month I will provide more details on the best ways to access Compuserve, and how to get on-line in the most economical method possible. 73 de N5ULZ

1994 B-VARC PUBLIC SERVICE HONOR ROLL

Compiled by Mike Hardwick, N5VCX

The only 1994 Event has been the Houston-Tenneco Marathon on January 16, 1994

A. Houston-Tenneco Marathon

Cheek, Ralph	KB5DNT	A	Michnimer, Terry	N5YKS	A
Cox, Lawrence	N5OUZ	A	Morrison, Henry	W5RIY	A
Culver, Craig	AB5OK	A	North, Max	N5TBI	A
Daze, Don	KC5AK	A	Orlando, Vincent	WA5ETS	A
Dessens, Bill	N5KXU	A	Parker, Harold	ND5F	A
Dillard, Ray	WA5F	A	Pollard, Randy	AK5G	A
Dunkelberger, Steve	N5JBL	A	Roberts, Jack	KB5TMY	A
Gentle, Michael	KB5TOJ	A	Smith, Irv	KB5EXM	A
Hacker, Carl	KB5LDY	A	Starr, Oraida	N5WMA	A
Hagerman, Dick	WB5SRN	A	Stiver, Esther	KB5URT	A
Hall, John	KC5EHW	A	Stiver, Frank	N5TGM	A
Hardwick, Mike	N5VCX	A	Taylor, George	AB5LT	A
Hughes, Kelley	N5ULZ	A	Truitt, Ed	KD5JC	A
Jackson, Emmett	N5RZN	A	Turner, David	WB5TCW	A
Jones, Dwayne	KB5YTA	A	Wade, Don	WB5IBT	A
Keng, Charles	N5XGW	A	Wardlow, John	KB5ZBR	A
King, Bud	N5UOG	A	White, Bob	KF5ZL	A
Kozinetz, Claudia	N5VCZ	A	Wilson, Bill	KA5GHI	A
Levy, Larry	WD5DRB	A	Winford, Clem	WB5SHU	A
Mattis, Allen	N5AFV	A			

Please report any corrections to N5VCX

INDUSTRIAL • AMATEUR • SURPLUS

DONALD P. BUSICK
MADISON ELECTRONICS SUPPLY, INC.

KEAAD
WSLW

18319 ZAVALLA ST.
HOUSTON, TEXAS 77060
PHONE 713-728-7300
1-800-521-3067 (U.S.)



STATE FARM
INSURANCE COMPANIES

HOME OFFICE: BLOOMINGTON, ILLINOIS

OR: (713) 498-4308
Res.: (713) 879-8511
Fax: 498-2292

BOB KUNESH, ChFC
Agent

12135-B Blossomnet
Houston, TX 77060

KJ5BG
x-WA5NRM

FEBRUARY GENERAL MEMBERSHIP MEETING

ATTENDANCE

February 10, 1994

<u>NAME</u>	<u>CALL</u>	<u>CLASS</u>	<u>NAME</u>	<u>CALL</u>	<u>CLASS</u>
Jim Cahanin	KB5TZB	EXT	Bret Pritchard	N5VOY	TEC
Mark Cole	KB5WZB	TEC	Jack Roberts	KB5TMY	TEC
Brian Dennis			Claude Sessions	K5HFY	TEC
Don Dennis			Irv Smith	KB5EXM	TEC
Bill Dennis	N5KXU	ADV	James Sumrall	KC5EQU	
Stephen Dunkleberger			Melvin Thatcher	KB5ION	EXT
	N5JBL	ADV	John Vaughn	KC5FEV	TEC
Ron Eisenbrey	KC5DFX	TEC	Gerald Webb	N5ZUE	TEC
Rick Fitch	N5XVZ	ADV	Betty Wilcox	KA0TEN	GEN
Shannon Frazier			Sam Wilson	N5CPA	GEN
Steve Gottlieb	WA5OEN	ADV	Al Zermano	KK5W	EXT
John Hall	KC5EHW	TEC			
Mike Hardwick	N5VCX	TEC			
Richard Harrison	KB5WZI	TEC			
Kelley Hughes	N5ULZ	TEC			
Josh Hughes					
Guy Jackson	KC5CWS	TEC			
Bud King	N5UOG	TEC			
Larry Levy	WD5DRB	EXT			
Vincent Orlando	WA5ETS	ADV			
Bruce Paige	KB5ZRV	GEN			
Randy Pollard	AK5G	EXT			

Any changes or Corrections, Contact

Kelley Hughes, N5ULZ

499-9806; FAX 499-0279

EPO

ELECTRONIC PARTS OUTLET INC.

2815 FONDREN, HOUSTON, TEXAS 77063 • (713) 784-0140
FAX (713) 784-0740

Components, test equipment,
computers, cable, meters,
surplus bought and sold.

Mon-Fri 9-6, Saturday 9-5