

B-VARC

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The Monthly Publication of the
BRAZOS VALLEY AMATEUR RADIO CLUB, INC.
Fort Bend and Harris Counties, Texas

Editor-in-Chief - Stu Lamkin WB5IGG

Production Editor - Allan Hanus KA5RXX



**AN
AFFILIATED
CLUB**

**PUBLICATION DEADLINE:
THE THIRD THURSDAY OF EACH MONTH**

Volume 7, No. 8

August, 1984

YOUR PRESIDENT SAYS

The summer months have arrived and the amount of information to pass on to the membership is minimal: so this will be a short QSO!

As I mentioned at our last meeting, the "Cactus Net" or ZIA Connection is a viable, working, linked repeater network throughout Southern New Mexico, Arizona, and West Texas. For my information and yours, I wrote to Bob Tezyk (N7FQT) in Tucson, Arizona for a map and information concerning the ZIA net. Enclosed in this issue is a copy of the map and a brief description of the system. As noted, the system is open and available to all who can access any one of the 9 linked repeaters. They encourage using the system for communications but not for extensive "ragchewing". I have heard a number of Hams make requests for help from isolated desert areas and receive almost instantaneous help from the numerous operators monitoring the system. It's an excellent system, so use it if you are in the area! It is also noteworthy to point out that Milt (N5IA) also has a 440 system up and working as well. Milt can be contacted most anytime on the ZIA system and welcomes all who participate and enjoy!

73's for now -- Ron KA5GYG

\$

PLEASE KEEP IN MIND - it's worth \$2.00 to the Club treasury if you join or renew your ARRL membership through the Club; and there's a bonus to you if you personally are over 64 or under 18. Call Lloyd Phelps WDSHEH, Club Treasurer.

VOLUNTEER EXAMINER TEAMS ARE NEEDED

BVARC is currently organizing Volunteer Examiner Teams (VET) so that we can conduct all classes of amateur license examinations on a regular basis in our area.

Many of our Advanced and Extra Class members had previously sent their applications to the ARRL to volunteer their services as the Volunteer Examiners and should have received their "Accreditation and Reference Manual" by now.

Each of you will be called by Stu Lamkin, WBSIGG, or myself to determine if you are proceeding with your accreditation and recruit your services in establishing a VET to conduct the license examinations in the near future.

We will be recruiting help from every BVARC member regardless of your license class to help with the many important functions of sponsoring such an event. We will need to locate and reserve a suitable test site and publicize the sessions to increase our effectiveness.

Anyone who has not been contacted is encouraged to call Stu, WBSIGG, or myself to volunteer your services so we can proceed with the establishment of regular licensing examinations for our area.

Harold, NDSF

MINUTES OF THE BOARD OF DIRECTORS MEETING JULY 5, 1984

In the absence of our president, Ron, KA5GYG, Harold, NDSF, called the meeting to order at 7:30 PM in the offices of Vic, K5KNH. Present were Ken, KA5DKS, Harold, NDSF, Steve, WA5OEN and Carter, K5SXX.

J. Leeds, W5VXD, a 2 year Director, feels he will be unable to continue to act in that capacity and is resigning. It was reported that Allan, KASRXX, had expressed an interest in assisting the club in any capacity needed. After discussion, it was decided to call a Board of Directors meeting prior to the monthly membership meeting July 12, when a quorum will be present, for the purpose of electing a replacement for the 2 year Director.

Steve, WA5OEN, stated that Larry Charson, a member of our club, is living in Minneapolis and has changed his call from NSBYJ to NOFMF.

It was decided that each member present at this meeting would take one page of the membership roster and call the members to remind them of the July 12 membership meeting and also of the annual picnic July 21, through the generosity of Doug Holley, N5EUC to be held at his QTH.

Field Day was discussed and Harold, NDSF, stated that both a coral snake and a copperhead were killed this year. We will discuss at the membership meeting July 12, the idea of reserving a protected area at the same location for Field Day next year.

Carter, K5SXX, observed that some members travel quite a distance to attend board meetings and suggested that a member who knows he will be unable to attend a meeting leave a proxy with a member who can attend so a quorum will be present and voting can take place.

MINUTES OF THE GENERAL MEMBERSHIP MEETING JULY 12, 1984

NO MINUTES RECEIVED
(IF I DON'T GET 'EM--I CAN'T PRINT 'EM)

TREASURER'S REPORT FOR PERIOD ENDING JULY 15, 1984

NO REPORT RECEIVED

FROM THE PROGRAM COMMITTEE

At the August meeting, Tom Comstock, NSTC, our ARRL West Gulf Division Vice-Director, will update the club on the latest League and regulatory happenings.

In September, Don Busick, K5AAD, from Madison Electronics Supply will update the Club on what we can expect from the manufacturers in the way of new equipment.

Bob Haase, NSAER

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* 73, Don Busick, K5AAD
*
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NET CONTROL SCHEDULE

214 B-VARC PUBLIC SERVICE NET

| | | | |
|----------|------------|-------------|-------------|
| 8/6 NDSE | 8/13 N5GTF | 8/20 WA5CAC | 8/27 KA2GRS |
| 9/3 NDSE | 9/10 N5GTF | 9/17 WA5CAC | 9/24 KA2GRS |

10M B-VARC RAG CHEW NET

| | | | | |
|------------|------------|------------|-------------|-------------|
| 8/1 KA5GYG | 8/8 WB5IGG | 8/15 K5EST | 8/22 N5HF | 8/29 KA5GYG |
| 9/5 WB5IGG | 9/12 K5EST | 9/19 N5HF | 9/26 KA5GYG | |

15M B-VARC SLOW SPEED CW NET

| | | | | |
|-----------|------------|------------|------------|------------|
| 8/1 N5FLQ | 8/8 N5FLQ | 8/15 N5FLQ | 8/22 N5FLQ | 8/29 N5FLQ |
| 9/5 N5FLQ | 9/12 N5FLQ | 9/19 N5FLQ | 9/26 N5FLQ | |

SKYWARN CLASS SCHEDULED

The Houston Amateur Radio Club (HARC) advises that they have arranged with the National Weather Service for a SKYWARN class in the auditorium of the Museum of Natural History in Hermann Park.

The class will start at 7:00 PM on Friday, August 24, 1984, and the public is invited. This is an excellent course to acquaint the public on what kinds of clouds and stormy conditions NOT to worry about. But more importantly, it tells observers WHAT to look for in storm clouds as indications of possible or even probable disastrous impending conditions.

If you haven't had the opportunity to acquire this knowledge at an earlier class, you are well-advised to attend this one.

NEW MEMBERS

Y'all welcome the following new member(s) who joined us at or since the last Club meeting. They and others who have joined us this year wear red-bordered name badges. If you have not already done so, introduce yourself and let them know how glad you are they've become one of us!

John R. Lorenz WA9RDV
6300 Dumphries, Apt. 242
Houston, Texas 77096
HOME - 988-2082

1984

| WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--|---|-----------|--|
| 12:00 RAGCHEW 14.1 MHz ----- 3.5 pd CW 5.0 MHZ 2.0 PM | 2 BVARC BOARD OF DIRECTORS MEETING 7:30 PM | 3 | 4 BREAKFAST BUNCH HOLIDAY INN S.W. FREEWAY & W. BELFORT 8:30 AM |
| RAGCHEW Hz ----- 3.5 pd CW 5.0 MHZ 2.0 PM | 9 BVARC GENERAL MEMBERSHIP MEETING FELLOWSHIP AT 7:00 PM CALL TO ORDER 7:30 PM | 10 | 11 BREAKFAST BUNCH HOLIDAY INN S.W. FREEWAY & W. BELFORT 8:30 AM |
| RAGCHEW Hz ----- 3.5 pd CW 5.0 MHZ 2.0 PM | 16 | 17 | 18 BREAKFAST BUNCH HOLIDAY INN S.W. FREEWAY & W. BELFORT 8:30 AM |
| RAGCHEW Hz ----- 3.5 pd CW 5.0 MHZ 2.0 PM | 23 | 24 | 25 BREAKFAST BUNCH HOLIDAY INN S.W. FREEWAY & W. BELFORT 8:30 AM |
| RAGCHEW Hz ----- 3.5 pd CW 5.0 MHZ 2.0 PM | 30 | 31 | |

17.60/7.00 as backups at the option of the Net Control Station.

THE ZIA CONNECTION
May 1984

The Zia Connection is a system of linked repeaters in 24 hour per day service. It is an open system, available to all amateurs. The only time the system is not fully available is for reason of technical problems or local disasters of extreme proportion. "Zia" is the sun symbol on the New Mexico Flag and indicates the system's originating state. Milt Jensen, N5IA, is the father of the Zia System and the system coordinator.

Control of the individual repeaters and link transmitters/receivers is the responsibility of the repeater owners and designated control operators. No control of other is passed via the link.

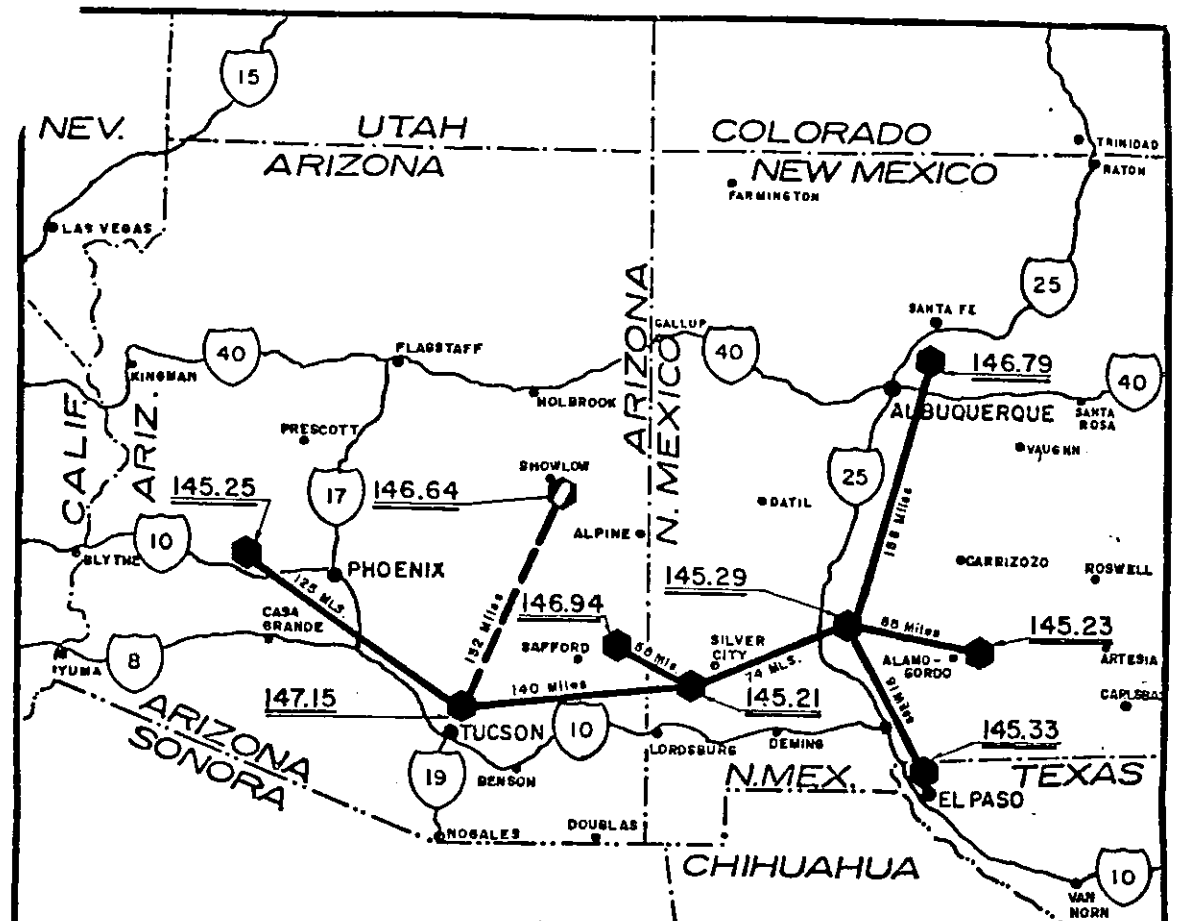
Ownership of each site is private in most cases and beyond the political control of any group. Individuals or groups desiring make their repeater a participating station must adhere to the operational criteria and technical standards and characteristics of the system. Consideration will be given to specialized operations that would be available on the link (ie 6 and 10 meter repeaters, open auto patches, etc.).

The system operates as if there is one "super repeater" and appears no different than if you were working through a single repeater. Each repeater is set for a timeout of about 2.5 minutes (Mt. Lemmon - 1 min 40 sec) If you time out a local repeater, the balance of the system will continue to operate. The link transmitters are not timed with the repeaters nor is the repeaters timed from the links. Only the identifier of the local repeater is heard by the users. Link and other repeater IDs are notched out. System repeaters have a courtesy beep tone to allow the local repeater to reset at about 1 second into the carrier delay after unkeying the repeater (for Mt. Lemmon, wait 1/2 second after the beep for reset). The dropout time from one end of the system to the other is about 200 milliseconds so that it is difficult to tell which repeater a station is inputing to. There are no multiple squelch bursts.

The Zia Connection operates in full duplex mode. This means that signals can go in both directions on the link at the same time. This allows instant break in and prevents doubling with another station. This involves having another receiver (acanner or transceiver) connected to another antenna so as to be able to monitor the output of the repeater while talking. Your transmitter should have the inferior antenna and use only the power necessary to fully quiet the repeater.

Most repeaters in the system are privately financed. The operators invest a tremendous amount of time and capital as well as expenses for power, site fees, equipment repair and trips to the mountain tops. Participation in labor and/or finances, although not mandatory, is highly desired. Contact Milt Jensen, Rt. 1, Box 156, Virden, NM Via Duncan AZ 85534; Tel (505) 358-2105. Additional maps and entry into the Zia mailing list may be requested by sending a SASE to Bob Tezyk - N7FQT, PO Box 31595, Tucson, AZ 85751-1595.

Thank you for your interest and enjoy your operating.



GRAPHICS: N8GHO
EL PASO, TEX

REVISED: JULY 1984

| FREQUENCY (MHZ) | | LOCATION | ELEV. A. S. L. | IDENTIFIER |
|-----------------|--------|--------------------|-------------------|------------|
| OUTPUT | INPUT | | | |
| 145.21 | 144.61 | JACK'S PEAK, N.M. | 8,000' | N5IA/R |
| 145.23 | 144.63 | BENSON RIDGE, N.M. | 9,686' | N5IA/R |
| 145.25 | 144.65 | WHITE TANKS, AZ | 4,010' | W7EX/R |
| 145.29 | 144.69 | CABALLO MT., N.M. | 7,560' | N5IA/R |
| 145.33 | 144.73 | COMANCHE PK., TX. | 4,650' | KC5EJ/R |
| 146.64 | 146.04 | PORTER MTN., AZ | 7,857' | WA7GWG/R |
| 146.79 | 146.19 | SANDIA CREST, N.M. | 10,800' | K5KED/R |
| 146.94 | 146.34 | GUTHRIE PK., AZ. | 6,573' | K7DLH/R |
| 147.15 | 147.75 | MT. LEMMON, AZ. | 9,157' | WB7DRD/R |
| | | | | |
| | | | | |

The ZIA CONNECTION

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 UNDER CONSTRUCTION
 PROPOSED

SCALE: 1" = 80 MILES
 0 20 80 160 240

| SUNDAY | MONDAY | TUESDAY | |
|--|---|--|--|
| | | | 8:30 PM 28.700 ----- S1 21. |
| 5 WEST HOUSTON RACES NET 8:00 PM 146.07/67 MHz | 6 FT. BEND COUNTY ARES NET 8:00 PM BVARC PUBLIC SERVICE NET 9:00 PM (NOTE * BELOW) | 7 10-X Houston Shot Net 8:00 PM 28.688 MHz ----- AMSAT Net 10:00 PM 144.85/5.45 MHz | 8 BVAF 8:30 PM 28.700 ----- Slow 21.16 8 |
| 12 WEST HOUSTON RACES NET 8:00 PM 146.07/67 MHz | 13 FT. BEND COUNTY ARES NET 8:00 PM BVARC PUBLIC SERVICE NET 9:00 PM (NOTE * BELOW) | 14 10-X Houston Shot Net 8:00 PM 28.688 MHz ----- AMSAT Net 10:00 PM 144.85/5.45 MHz | 15 BVAF 8:30 PM 28.700 ----- Slow 21.16 8 |
| 19 WEST HOUSTON RACES NET 8:00 PM 146.07/67 MHz | 20 FT. BEND COUNTY ARES NET 8:00 PM BVARC PUBLIC SERVICE NET 9:00 PM (NOTE * BELOW) | 21 10-X Houston Shot Net 8:00 PM 28.688 MHz ----- AMSAT Net 10:00 PM 144.85/5.45 MHz | 22 BVAF 8:30 PM 28.700 ----- Slow 21.16 8 |
| 26 WEST HOUSTON RACES NET 8:00 PM 146.07/67 MHz | 27 FT. BEND COUNTY ARES NET 8:00 PM BVARC PUBLIC SERVICE NET 9:00 PM (NOTE * BELOW) | 28 10-X Houston Shot Net 8:00 PM 28.688 MHz ----- AMSAT Net 10:00 PM 144.85/5.45 MHz | 29 BVAF 8:30 PM 28.700 ----- Slow 21.16 8 |

* Note - Primary frequency 144.65/5.25, with 144.85/5.45 and

B-VARC PUBLIC SERVICE HONOR ROLL

- A. Houston Marathon: January 15, 1984
- B. Bayou City Fun Run: March 24, 1984
- C. Houston Festival: March 24, 1984
- D. SW Wheelchair Athletic Association: April 7 & 8, 1984
- E. Bellaire Fun Run: April 8, 1984
- F. Reeking Regatta: April 14, 1984
- G. Rainbow Festival: April 14 & 15, 1984
- H. Fleet Feet Fun Run: April 28, 1984
- I. March of Dimes Walkathon: April 29, 1984
- J. Sharpstown Mall: May 5, 1984

| | | | |
|-------------------------|-------------------|-----------------------|---------------|
| Chris Armatta, NSGQK | A,B | Sallie Hanus, KASRXW | E |
| Mike Armatta, NSAPC | A,B | Ed Harwell, WSWVX | I,J |
| Pat Armatta, NSGIK | B | George Jolly, NDSE | J |
| Carter Beghtol, KD5XX | E | Stu Lamkin, WBSIGG | A,E,H,I,J |
| A.J. Blackwell, WBSYLB | E | Vic LaRocca, KSKNH | J |
| Ron Bolyard, KASGYG | I,J | Larry Levy, WDSDRB | E |
| Paul Brooks, NSFQS | B,D,E,H,J | Garry Maynard, KA2GRS | D,F,H,I,J |
| Henry Freedenberg, NSHF | A,J | Jay Maynard, K5ZC | A,C |
| Linda Freedenberg | J | Kaye Maynard, KA2GRW | J |
| Mel Godbold, KDSYA | J | Ken McAninch, KASDKS | E,H,J |
| Steve Gottlieb, WASOEN | E,I,J | Harold Parker, ND5F | A,B,E,F,H,I,J |
| Bob Haase, NSAER | J | Lloyd Phelps, WDSHEH | E,I |
| Dick Hagerman, WBS5RN | A,B,C,D,E,F,G,H,I | Muir Robinson, W8OK | J |
| Allan Hanus, KASRXW | E,I,J | Ed Truitt, KD5JC | A,I |

FCC EXPANDS HF PHONE BAND ALLOCATIONS

from ARRL Bulletin No. 58, 20 July 1984

At 0001 UTC on September 1, 1984 phone privileges in the 80, 40, 15, and 10 meter bands are expanded to include the following:

80 meters - Extra Class 3750 - 4000 KHz
 Adv. Class 3775 - 4000 KHz
 Gen. Class 3850 - 4000 KHz

40 meters - Extra, Adv., and Gen. Classes 7075 - 7100 KHz exclusively for Alaska and Hawaii phone operations.

15 meters - Extra Class 21200 - 21450 KHz
 Adv. Class 21225 - 21450 KHz
 Gen. Class 21300 - 21450 KHz

10 meters - Extra, Adv., and Gen. Classes 28300 - 29700 KHz

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FOR SALE OR TRADE

1. HEATH SB-401 transmitter, SSB 100W with microphone.
2. HEATH HG-10B VFO, 2 - BOM.
3. ICOM RM-2 digital controller.
4. HEATH "Mohican", gen. coverage rcvr., 10 - BOM, portable, batt. powered.
5. COLLINS 390-A gen. coverage rcvr., 500KC - 31MHz, digital mech. tuning, Xtal & mech. filters.

Bob Grady, N5DQR W- 977-0202 H- 781-5809

FOR SALE

HW-16 & HG-10 VFO \$125
SB-300 needs work \$ 75
NC-101 gen. coverage rcvr. \$ 50
Antennas, galore, 80 foot tower, Rotors, etc. Inquire
Antenna work done
WANTED: Remote antenna switch.

Muir Robinson, W8QK 776-3067

FOR SALE OR TRADE

Bolex H-8 Movie Camera w/turret mounted YVAR f1.9, 13mm normal & YVAR f2.8, 36mm telephoto lenses. This is the 16mm model body and will take 100 foot rolls of 8mm film. It has speeds from 8 fps to 64 fps, a frame counter and wind-up motor or manual drive systems.

Harold Parker, N5SF 464-9044

FOR SALE

Johnson Desk Top Kilowatt HF Amplifier - good working condition. From the estate of a Silent Key. \$500. Call for information.

Homer Witmer, W5OAX 461-7712

FOR SALE

From the HF station of a SK friend of mine:
Ten-Tec Omni D, Series C HF xcvr. with power supply/spkr, mic., & manual
Dentron Clipperton L linear amplifier, 160 - 10M, 2KW PEP with manual.
Sigma RF-2000 SWR meter.

Stu Lamkin, WB5IGG

FOR SALE

HEATH HW-8, QRP CW xcvr and power supply. \$125.

Al Hanus, KASRXX 437-0563

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| 8c | 101 | 500 |
| 6c | 501 | 1000 |
| 4 1/2c | 1001 | UP |

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About the Brazos Valley Amateur Radio Club

First organized in 1977, the Brazos Valley Amateur Radio Club has been a gathering place for local Ham Radio Operators in Southwest Harris County, Fort Bend County and surrounding communities. Using various activities, the club has something to offer ham operators no matter what their persuasion. For prospective new amateurs, the club regularly schedules classes for those interested in obtaining their novice license. All persons; men, women and children are cordially invited to come to a meeting and see what we are all about. Meetings are held on the second Thursday of each month at the Missouri City Police Station, 2 miles south of South Main on FM 2234.

THOUGHT FOR THE DAY

Any circuit design must contain at least one part which is obsolete, two parts which are unobtainable and three parts which are still under development.

1351 Gentle Bend
Missouri City, Texas 77489

ADDRESS CORRECTION REQUESTED

FIRST CLASS MAIL