

AARC OVER

Bulletin of Austin Amateur Radio Clubs

Austin Amateur Radio Club
Austin Amateur Television Club
Austin Repeater Organization

ISSN 1067-0262

April 1995

Club Meetings

Austin Repeater Organization
Tuesday, April 4, 1995 7:30 PM

Austin Amateur Radio Club
Tuesday, April 11, 1995 7:30 PM
NSEIF will talk about Bazooka Antennas

Austin Amateur TV Club
Tuesday, April 18, 1995 7:30 PM

All these organizations meet at Luby's Cafeteria on North Loop, about a block West of Burnet Rd. We meet in the back room, about as far from the cash register as we can get. Visitors are welcome, whether licensed hams or not.

Manchaca Swapfest Rumors

There have been rumors that the upcoming Manchaca Swapfest will be the last. These rumors are absolutely untrue. Please help quash these rumors wherever you may hear them.

The official position of the Austin Amateur Radio Club is that we plan to continue to have our two swapfests a year. There are no immediate plans to move it from the current location. We plan to have it at the same location this fall.

de Mickey McInnis KB5YAC

Austin Amateur Radio Club's

Manchaca Swapfest

Saturday, April 1, 1995
Manchaca Fire Hall

Manchaca, TX

8:00 AM

Vendor setup at 6:30
(NO selling until 8)

Talkin: 146.78 MHz
Ham License exams at 9:30 AM

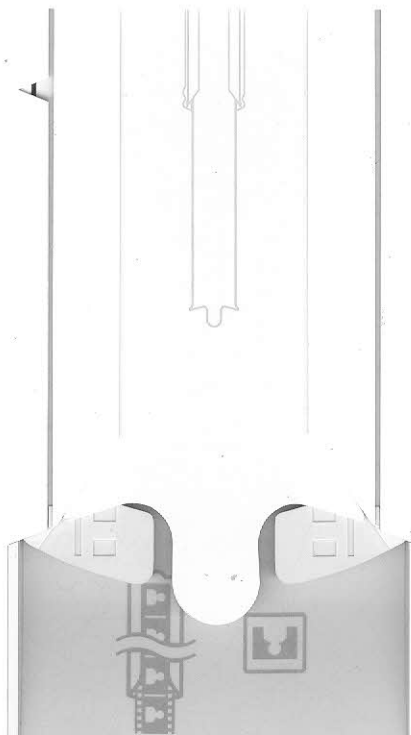
Tailgating(gravel) \$4
Tailgating(paved) \$5
Indoor Tables \$6
Bring your own table
(Outdoors) \$3

All spaces first come, first served

NO Overnight Parking at the Fire Hall

RV's will NOT be allowed to park in the Swapfest area

There will be some changes in the parking arrangements, but adequate parking will be available.



March Austin Repeater Organization Meeting

The meeting was called to order by Vice President Jeff Schmidt [N5MNW] at 7:30 PM, March 7, 1995 at Luby's North Loop cafeteria. There were 68 people present. There were 8 prospective new members and visitors present.

The minutes of the February meeting were approved.

Treasurer's Report

Balance as of March 7, 1995 is \$5,776.71.

Technical Report

No unsatisfactory equipment performance was reported.

Old Business

None

New Business

None

Announcements

Frank Edwards [KK5IA] reminded everyone of Manchaca swapfest on April 1. He needs volunteers for both morning duty and to help with cleanup around noon.

A general license class will commence at 8:00 AM, March 25 at 603 Lakewood Drive, Georgetown. 258-7378, 869-4211.

The renowned Hal Henegar [W5MDL] announced an opening for the local ARRL Public Information Officer..

The North Austin Civic Association and Lanier High school will hold the Quail Creek Festival on Saturday, April 22 at Lanier High School 10 AM to 4 PM. As in past years, the event will feature amateur radio. Contact David White [KJ5VY] at 836-9065 if you

can help with this function.

Dan Poggemiller [KB5TWO] 244-3919 needs help with the Scout Expo 1995 at Reagan High school.

The meeting adjourned at 7:47 PM.

Joe Cecil [W5RIQ] gave an informative program on vacuum tubes.

Respectfully Submitted
Warren Anderson [N5XUG]

Secretary

Austin Amateur Radio Club March Minutes

President Stuart Rohre, K5KVH, brought the meeting to order on March 14, 1995 at exactly 7:30 PM. The meeting was held at the Luby's cafeteria on North Loop.

Visitors

The following visitors were introduced. Eunice Pickering, KC5FZQ; Pat Corbett, to take the test on Saturday; Chick White, KC5KNN; Jim Froemke, and K0MHC. Welcome!

Minutes

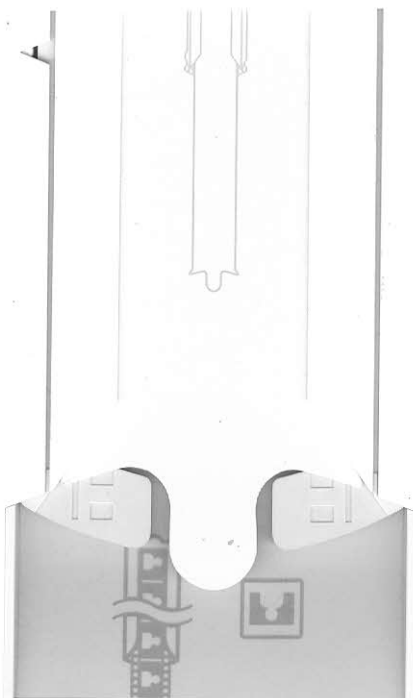
The minutes of the February 14, 1995 meeting were approved as printed in the AARC/Over..

Officer Reports

Treasurer John Weber, KF5OY, reported the checking account balance of \$ 1,983.26, and a postal account of \$ 278.35.

In the absence of Technical Committee Chairman Ed Golla, K3AHS, President Rohre announced that help is needed with an antenna project at W5KA (Red Cross).

Activities Manager Frank Edwards, KK5IA, reported that Manchaca Swapfest is scheduled



for April Fool's Day (April 1, 1995). He informed us that, by order of the Constable, there will be NO overnight camping (even for the swapfest officials). The parking arrangements have also changed for swapfest access, moving attendees east of the old lot by about 200 yards. There is a walkway between the new lot and the swapfest area. Frank also made a request for volunteers. Help is particularly needed between 6:00 and 6:30 AM with traffic directing, unloading, and, of course, swapfest area clean up at noon. Manchaca opens to the public at 8:00 AM.

New Members

Hank Belopavlovich, WA5ZLI; Bob Scarborough, KC5MGW; and Robert Bray, KC5JNZ. Welcome to the Club!

Old Business

None.

New Business

Activities Manager, Frank Edwards, KK5IA, requested a motion that the Club accept a new pricing schedule for vendors at the Manchaca Swapfest. The proposed prices were as follows: \$3.00, if you bring your own table in the field; \$4.00, for the gravel tailgate area; \$5.00, for the paved tailgate area, and \$6.00, for space under the covered pavilion. The motion carried and the measure passed.

Announcements

Roger Wines, of the Scout Expo Committee, requested help with the Scout Expo on April 22, 1995.

Belton Swapfest takes place April 22, 1995.

Besides the Scout Expo and Belton swapfest on April 22, we also have the North Austin Spring Festival at Lanier High School. There will be a Ham Radio demonstration and help is needed there as well. The hours are 10:00 AM to 4:00 PM. Contact Hal Henegar, W5MDL, at home 836-2012.

Also on April 21-22, is the Special Olympics Spring Games at McNeil High School. Two way communications are needed. For more information, contact Jim, KB5EHP, at 416-9585.

Williamson County General Class license Course will start Saturday Mar. 25, 1995, and will be completed May 20, 1995. There will be no session on the Easter weekend. This course covers the General Class theory AND the Morse Code. The times for the classes are from 8:00 AM to 12:00 noon. The location of the class is 603 Lakeway Dr. in Georgetown.

Of course, the Capitol 10,000 marathon will take place at 7:00 AM March 26, 1995. There is a new contest starting up which is based on grid squares as multipliers. For information on the rules of the contest, contact Robert, KA5WSS.

Program

President Stuart Rohre, K5KVH, introduced Dave Effland, N5RNE of Austin. His program was entitled: "The Adventures of Directed Net Operation". He gave some hints and kinks not only on operating techniques for the SwapNet, the Central Texas WeatherNet, NTS Traffic nets, and Emergency ARES/RACES nets, but also on getting the most out of what you hear on the air. Thanks very much Dave, for a much needed, informative program!

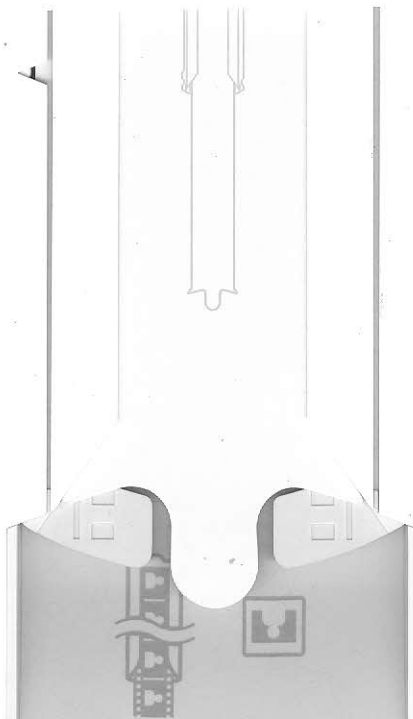
Submitted with pleasure,

Gene Van Zelfden, KB5UGO
AARC Secretary

Scout Expo 1995

The motto this year is "Honor the past and Prepare for the Future." Scout Expo will be held April 22, 1995 Reagan High School, Cameron Rd. and 290 East. 12 Noon to 7 PM.

We would like to setup a cross-ground packet connection, or a connection to the Quail Creek Festival. We would also like to set up an on-grounds ATV setup.



Please contact Dan Poggemiller 244-3919, if you can provide the above equipment, help operate, or give advice.

de Dan Poggemiller KB5TWO

Quail Creek Festival

On Saturday, April 22, the North Austin Civic Association (NACA) is sponsoring the Quail Creek Festival at Lanier High School. For the last three years, this event has prominently featured Amateur Radio, and again this year, I am working with my North Austin neighbor Hal Henegar - W5MDL - to set up an HF station as well as VHF/Packet operations. We need volunteer operators and help with setting up the station. However, this year the Quail Creek Festival falls on the same day as the Belton Hamfest !!!! If you're not planning to go to Belton, please let me or Hal know as your assistance is needed at Lanier in the morning. Lanier High School is located on Peyton Gin, between 183 and North Lamar. We plan to set up the station at around 8 AM on the 22nd.

In case you didn't know, NACA is the city-registered neighborhood association which represents the Quail Creek/Lanier area. The Quail Creek Festival is a joint project which NACA undertakes together with Lanier High School. There are plans afoot to mount a permanent HF antenna high atop Lanier.

I can be reached at 836-9065. Hal and I would appreciate any offers of assistance from the AARC/ARO membership. Thanks!

David White (KJ5VY)

Bulletin Boards

The "CQ" Connection Bulletin board is free. It is an Austin area BBS devoted strictly to the Amateur Radio Community.

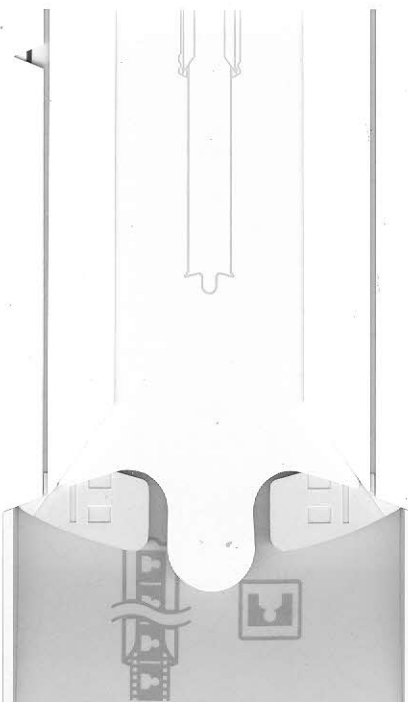
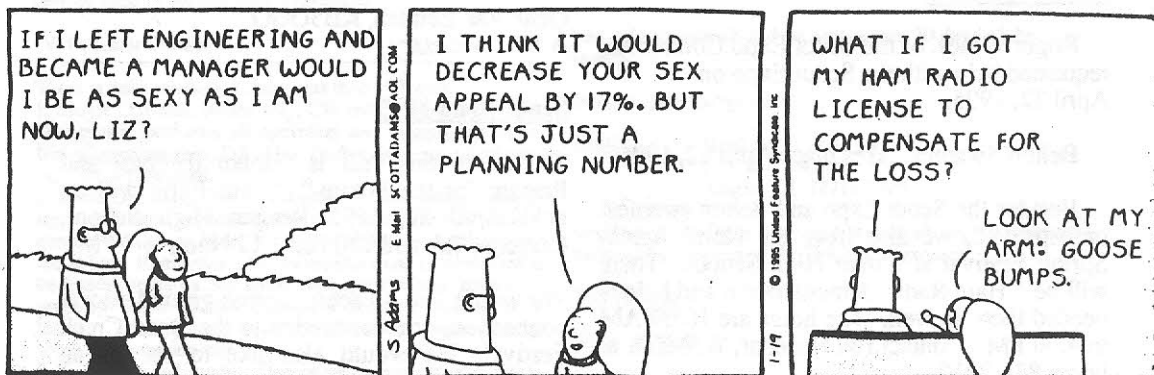
It currently has 1.4 GB of files, NET-echo mail, and local messaging conferences. Coming soon.. Packet Access. Internet Access

Call: 873-9167 24 Hours/7-days.

Dilbert

The cartoon below appears through the efforts of Randy Shields [KJ5VB]. Thanks, Randy.

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Frequently Asked Questions about TCPIP, Austin Gateway and Digital Repeater Installation # 2

by Dick Kriss, KD5VU
kd5vu@MoonTower.com or kd5vu@kd5vu.ampr.org
16-Mar-95

This is the second installment of the FAQ about the Austin Repeater Organization sponsored Austin Gateway and the Digital Repeater. I appreciate the comments about the first article and will try to keep this and future installments shorter.

Q: What is the current status of the new Austin high speed gateway and digital repeater project?

A: Last month Keith Watson, WB9KHL, obtained permission from Apple and hoped to have the Phase I Gateway operational by the end of February. Since the last update, the technical team has made good progress and the Phase I (1200 baud 2 meter) gateway is operational and the under-the-hood stuff is nearly complete.

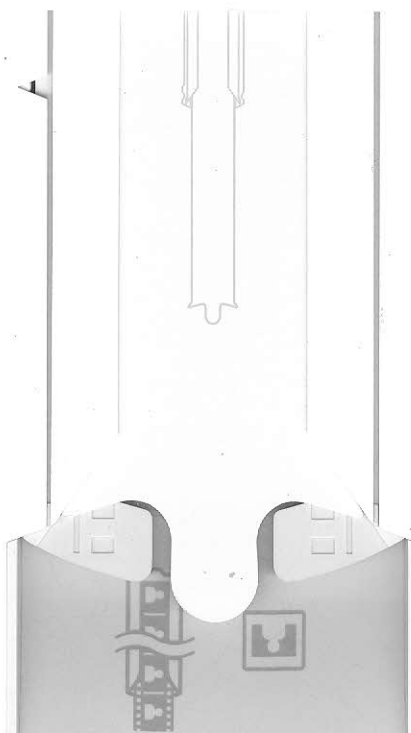
By this I mean Keith has obtained the special internet accounts and completed all the administrative details with the Apple Computer MIS and facility people and that was no easy task! Henry Wurzburg, KF5RF, compiled a special version of the jnos software for ausgw and was assisted by Keith, WB9KHL, Joe Thiel, N5SMN, and Paulus Suryono Adisoemarta, N5SNN, with the installation and software check out at the site. The project has obtained a new Yaesu FT-2500 radio and a dual-band antenna. The dual-band antenna will be used to link the gateway to the Phase II digital repeater. The radio has been installed and thanks to Dan O'Hara, KA5AMP, a special tripod was made to support the antenna. The antenna is installed on the roof of the Apple Computer facility, but is not hooked up to the radio. As soon as the building facilities people run the coax the equipment will be moved and the ausgw.wb9khl.ampr.org Phase I gateway will be fully operational. Next month we will have an update on the Phase II digital repeater and Phase III router. Kudos to the technical team and to ARO for sponsoring this project. <kd5vu>

Q: When can club members and others take a test drive?

A. If you have a good antenna with reasonable power, you should be able to do it now. As soon as the outside antenna is operational, most stations in the Austin area should be able to reach the gateway. If you have tcpip software installed, just telnet to ausgw.ampr.org or ausgw.wb9khl.ampr.org (ausgw is an alias for ausgw.wb9khl). If you do not have tcpip software, just connect in ax.25 mode to WB9KHL-1. When connected, you will be asked to login. Login with your call and when it asks you for a password use your name or anything you wish at the present time. You will then see the following welcome message and you will be asked to REGISTER.

JNOS (ausgw.wb9khl.ampr.org)

Please use your call sign to login...
login: kd5vu
Password:



Welcome kd5vu,
to the ausgw.wb9khl.ampr.org TCP/IP Mailbox (JNOS 1.10h_1 (80386))
Currently 1 user.

'?' or 'h command' for help. Please send local messages to 'users'. Questions to sysop.
Enjoy.

You have 0 messages.

Welcome to the gateway mailbox!
New users are requested to register via the REGISTER command.
For enhanced privileges, please contact the SYSOP via e-mail
on this BBS.

Please type 'REGISTER' at the > prompt.
WB9KHL-1 Area: kd5vu Current msg# 0.
?,A,B,C,CALLBOOK,D,E,F,H,I,IH,IP,J,K,L,M,O,P,PI,R,S,T,U,V,W,X,Z >

I suggest you check thing out by entering the '?' for the built
in help files that explains the various prompts

Q. What is the 'CALLBOOK'?

A. Thanks to Joe, n5smn, and Henry, kf5rf we now have access to a unix on-line callbook server.
All you have to do is enter CALLSIGN. The following is an example. There is a very good help
file.

WB9KHL-1 Area: kd5vu Current msg# 0.
?,A,B,C,CALLBOOK,D,E,F,H,I,IH,IP,J,K,L,M,O,P,PI,R,S,T,U,V,W,X,Z >

CALLBOOK

Trying... The escape character is: CTRL-T

*** connected to 128.205.32.2:2000

Callbook v1.3 Bug reports to bowen@cs.buffalo.edu Type 'help' for help >> call w5ka

Call-Sign: W5KA

Real Name: (K5EJL-TR) AUSTIN AMAT RAD CLB INC

Mailing Address: 5709 COVENTRY LN, AUSTIN, TX 78723

Valid From: APR 21, 1989

To: JAN 0, 1999

Check it out and if you have questions, send a message to me or any of the three SysOps
(WB9KHL, N5SMN or KF5RF). Remember, DO NOT use uppercase letters for jnos commands.
The command to send a message to KD5VU is:

s kd5vu

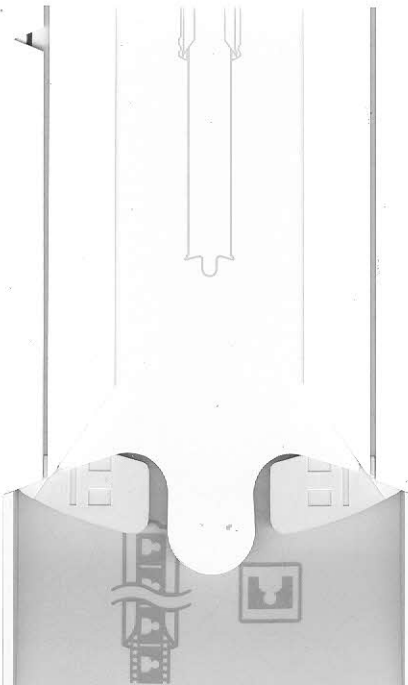
I look forward to your questions. 73 de Dick, KD5VU <sk>

73 de Dick, KD5VU

Sent on Thursday, March 16, 1995 at 2:11:55 PM

Internet: kd5vu@moontower.com

NET/Mac 2.3.48



Huck's Country Store

Attach a Drawer Pull Handle and Call It Portable

With the advent of television, almost anything with a drawer pull handle on top is called "Portable": Absurd!

Did you ever see or operate the "Big Portable of the Big War?" Yes, the big portable Tone Modulated 500 watt CW Transmitter complete with power supply and motive power.

This was a Hallicrafters BC-610 transmitter and controls which filled a large army trailer. It had a whip antenna about 20-30 feet long, was pulled by the big 6x6 army truck. Behind the radio trailer was a second trailer the size of a modern-day pickup truck which contained two PE-95 power plants. These each could produce about 10,000 watts at 120 volts, 60 Hz. The theory was one in operation while the other was serviced; and two drums of gasoline on the trailer. These generators were each powered by a Jeep engine with a thirst of about 4 gallons per hour, per engine. The big truck could carry about 100 GI gasoline cans at five gallons per can. With all cans and drums full, the rig was good for about six days operation.

Have you ever seen 500 watts loaded into a 20 foot antenna and everything insulated from the earth with big rubber tires? That's a sight to behold: The antenna tip would glow in the dark, the tone modulation in the corona about the antenna could be heard a hundred yards! The vehicles were so hot with RF, that they were untouchable, and you dare not touch a gasoline can during transmission; you could fire an open container of gasoline with your fingertip. I saw this in training; but doubt that the equipment ever entered active service. For the most part, the equipment was used in semi-fixed station service. No it did not have a drawer-pull handle; but after that experience, the drawer-pull handle on a portable TV receiver doesn't sound so absurd.

From the memory file of M-Sgt

J. M. Huckabee

de "Old Huck" AA5BU

Scholarship Board

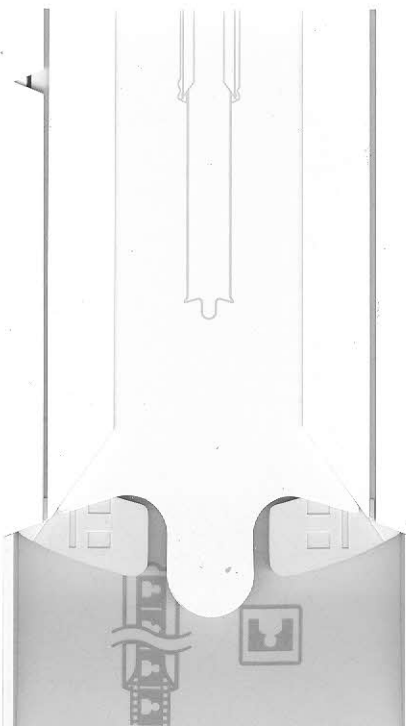
The Austin Amateur Radio Club Scholarship Board has some vacancies to be filled at the April meeting. Jim Neely has been appointed to a 2 year term, and Joe Canfield has been appointed to a 1 year term. We have two vacant elected positions. Please contact Stu Rohre [K5KVH] at 255-3932 if you can volunteer or wish to suggest a candidate.

de Stu Rohre [K5KVH]

ACC Repeater

The new ACC radio club repeater is now operational on 146.96 MHz with a 114.8 tone.

de Hugo Sanchez N5JGX



Club Information

Austin Amateur Radio Club, Inc. P.O. Box 13473, Austin, TX 78711-3473

Officers

President	Stu Rohre	K5KVH	255-3932
Vice President	David Sprague	KB5ZEG	259-7282
Treasurer	John Weber	KF5OY	280-1082
Secretary	Gene Van Zelfden	KB5UGO	346-8727
Activity Manager	Frank Edwards	KK5IA	255-6753

Committees & Positions

Technical	Ed Golla	K3AHS	255-4818
ARES Coordinator	Joe Fisher	K5EJL	926-4689
Public Information Officer	Hal Henegar	W5MDL	836-2012

Austin Repeater Organization P.O. Box 4763, Austin, TX 78765

Officers

President	Phil Steinbach	WB5SUR	258-3215
Vice President	Jeff Schmidt	N5MNV	255-6753
Secretary	Warren Anderson	N5XUG	346-0186
Treasurer	Bill Montgomery	AB5HP	478-7928

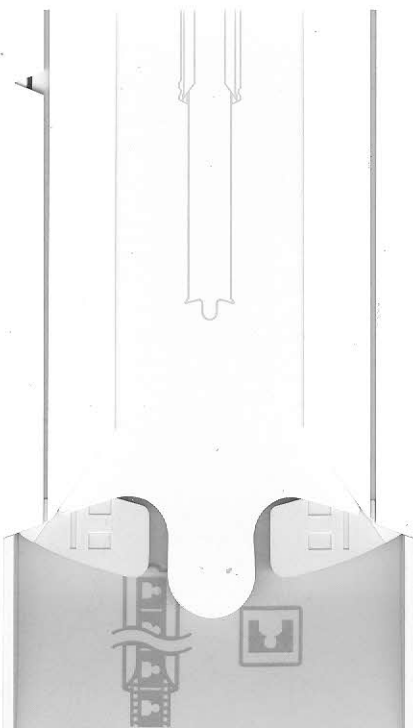
Please contact a club officer or attend a meeting to join either Organization

AARC/Over Information

ISSN 1067-0262, CODEN AAOVE3. © Austin Amateur Radio Club, Inc. and / or the Austin Repeater Organization.

Viewpoints expressed in The AARC/Over do not necessarily reflect those of any club or its members, directors, or officers.

Members and other readers are encouraged to submit material for publication. Mail to Mickey McInnis at 1519 Charolais Drive, Austin, TX 78758, or e-mail to mcinnis@austin.ibm.com (Internet), 339-0344. Submissions may be edited for format, style and suitability. Deadline for the next issue is the Thursday following the AARC meeting. Material may be saved for later months. Unless otherwise noted, permission is granted to reprint AARC/Over articles provided that you credit the author and the AARC/Over.



The Austin Amateur Radio Club, Inc. Membership dues are \$8 per calendar year (\$10 for a family). Joint ARO/AARC dues are \$15 per year.

AARC maintains a repeater with open autopatch and emergency power on 146.78 MHz, and an emergency HF / VHF station at the American Red Cross Building.

The Austin Repeater Organization dues are \$8 per calendar year. Joint ARO/AARC dues are \$15 per year. Family membership is \$10 per year.

ARO maintains the following repeaters.

146.88 MHz offset -600 KHz has a phone patch.

146.94 MHz -600 KHz is used for the weather net at the request of the National Weather Service. It is used for the Swapnet and Newline at 9 PM Sunday.

244.80 MHz -600 KHz

444.10 MHz -5 MHz

145.01 MHz is the packet digital repeater.

Autopatch Use

The 146.78 and 146.88 repeaters have open autopatches. Press "*" and dial the phone number to place a call. Do not unkey after the "*". When finished, press "#" to hang up the phone. Dial "911" (no "*" needed) for emergency services. Please transmit your callsign before using the phone patch.

South Austin W5YI VE Session Report

The South Austin W5YI VE team celebrates its third year of operations by congratulating the following people who earned new or upgraded amateur radio licenses at its January 21st session:

Thomas E. Kormanik W5LON Extra
David P. Hoge W5FGZ Advanced

John M. Bradley	-new-	Tech Plus
Donald W. Gardner	-new-	Tech Plus
James R. Traweck	-new-	Tech Plus
John C. Collett	-new-	Technician
Gary W. Gola	-new-	Technician
Jerry G. Henry	-new-	Technician
Joseph D. Polansky	-new-	Technician
Donald G. Wyne	-new-	Technician

One other passed at least one examination element without upgrading.

The volunteer examiners were:

Hugh Brown	KC5E1Y
Jim Greenwood	AB5EK
Emil Kasprzyk	KC5IZ
Tony Lyon, IV	KJ5XF
Scott McCreight	AB5KS
Carol Thiel	N5TLY
Joe Thiel	N5SMN
Andy Williams	AB5FZ

Our next sessions will be at 2:00 PM in room 109 of Fleck Hall on the campus of St. Edward's University on April 29th, and May 20..

We will present a special exam session at the Manchaca Swapfest at 9:30 AM, April 1st in the meeting room above the fire station.

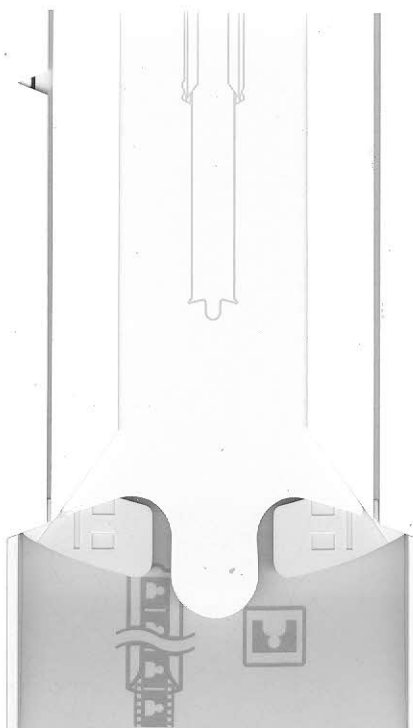
For more information on any of these call Jim, AB5EK, at 327-6184.

QST: Worked All States (WAS) Award for KJ5XF

Congrats to Tony Lyon, KJ5XF (formerly KB5ZYA), of Austin!

On 18-March I was pleased to verify Tony's QSL cards for a CW all 40 Meter ARRL Worked All States (WAS) Award. This is Tony's second WAS. He obtained his first WAS in June 1994 and is now working to get his Five Band WAS - all CW. Who said the HF bands are dead!

Richard M. Kriss, KD5VU
ARRL Awards Manager
Austin, Texas



CQ WW SSB DX Contest Results

Call sign	QSO's	QSO Pts	Multiplier	Total Score
NA4M	427	1124	325	365,300
W5XD	187	469	167	78,323
AB5KD	157	398	178	70,844
NT5C	205	563	124	69,812
AF5Z	173	437	146	63,802
W5GAI	41	104	39	6,656
KB5HV	20	50	31	1,550
WD5N	17	41	31	1,344
W5HNV	1	1	2	2
				657,633

de Edward L. Linde N5DDT

International HF Grid Location Contest (GridLoc)

I. Announcing

The First annual HF Grid Location (GridLoc) contest.

II. Objective

This contest is for amateurs around the world to contact other amateurs in as many Maidenhead grid squares as possible.

III. Contest Period

1200 UTC April 8 to 1200 UTC April 9, 1995. All entrants may operate a total of 18 of the contest's 24 hours. Off periods must be no less than 30 minutes.

IV. Operator Classes

There is only one power class, less than 150 watts.

1. Single Operator, phone only, CW only, and mixed mode. One person performs all operating and logging functions. Use of spotting nets, DX Alert Packet Systems, telephone, etc., is not permitted.

2. Multi-Operator, Two Transmitter. Mixed mode. Only 1 signal per band permitted. Once a transmitter has made a contact on a given band, it may not change to another band for at least 10 minutes. All transmitters and receivers must be located within a 500 meter diameter circle or within the property limits of the licensee's address, whichever is lesser. The antennas must be physically connected by wires to the transmitter.

3. Rover. Mixed mode. One or two operators of a single station moving between two or more grid squares during the

contest and making contest contacts, using the same equipment and antennas at each site. A rover station should sign "rover" after their callsign for voice and "R" for CW.

V. Modes

Contacts may be made using CW or SSB.

VI. Bands

All HF bands (160-10 M) excluding the WARC bands (30, 15, 12 M).

VII. Valid Contacts

A given station may be contacted only once per band from a given grid square. Rover stations may be worked once per band in each grid square they visit.

VIII. Exchange

All stations must transmit a proper Maidenhead grid square (e.g. EM10) and an operator name. If the Maidenhead grid square is unknown, stations may be counted for QSO credit only.

IX. QSO Points

Count 1 QSO point for each valid contact made during the contest.

X. Multiplier Points

Count 1 multiplier point for each Maidenhead grid square worked per band. Stations not supplying valid Maidenhead grid squares do not count for multiplier credit.

XI. Final Score

Total QSO points times the total multipliers equals the total claimed score for all entrants except rovers. Rover stations must add the total number of QSO points from each grid, add the total multipliers from each grid and multiply these to produce the final score.

XII. Score Submission

Log submissions should be sent within 30 days of the contest to:

Internet: geoiiii@bga.com

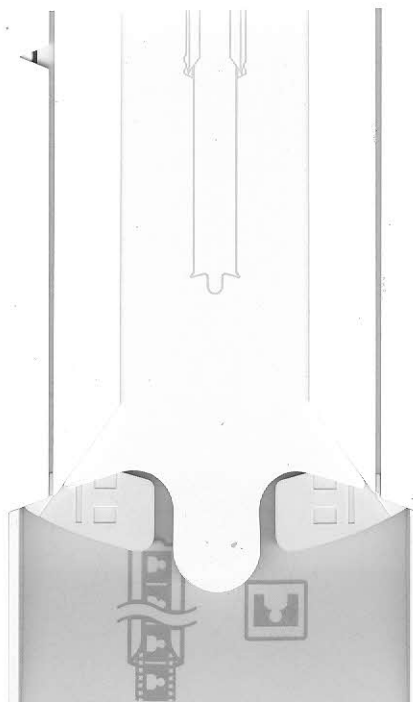
Mail: GridLoc
P.O. Box 180703
Austin, TX 78718-0703

GridLoc is an Open Log contest and all log submissions become the property of the GridLoc organizers.

XII. Awards

To be decided.

de Robert Barron, KA5WSS (512) 837-4051



CalendarApril

- 1 Manchaca swapfest
- 4 RO Meeting @ Luby's 7:30 PM
- 8 Brenham Swapfest
- 11 AARC Meeting @ Luby's 7:30 PM
- 15 QCWA meeting @ Luby's at noon
- 18 AATVC Meeting @ Luby's 7:30 PM
- 22 Belton swapfest
- 28-30 Dayton Hamvention
- 29 Ham Exams, St. Ed's 327-6184

May

- 6 Golden Spread Hamfest Amarillo
- 20 *CTTH Picnic WIMBERLY LIONS PARK*

June

- 9-11 Dallas Hamcom

August

- 4-6 Austin Summerfest

Periodic Events

- | | | |
|-------|---|-------------|
| Sun | 6:30 PM, ARES, | 146.94 MHz |
| Sun | 7:30 PM, ARES Packet, | 145.78 MHz |
| Sun | 8:00 PM, Williamson Co
ARES net | 146.64 MHz |
| Sun | 8:30 PM, ARES, | 146.78 MHz |
| Sun | 9:00 PM, SwapNet, | 146.94 MHz |
| Sun | (after Swapnet) Newsline | 146.94 MHz |
| Sun | (after Newsline) SSB net | 144.225 MHz |
| Wed | 8:30 PM SSB net | 144.225 MHz |
| Thurs | 7:00 PM, UTARC Net, | 147.18 MHz |
| Thurs | 11:30-1:00 Lunch At Holiday House
on Airport Road | |
| Sat | 7-8:30 AM Breakfast at Simon David
Deli on Great Hills Trail | |
| Storm | WeatherNet, | 146.94 MHz |

Most Austin Radio club meetings are held at Luby's Cafeteria on North Loop.

The Austin Repeater Organization meets on the first Tuesday of each month at Luby's at 7:30 PM.

The Austin Amateur Radio Club meets on the second Tuesday of each month at Luby's at 7:30 PM.

The Austin Amateur TV Club meets on the third Tuesday of each month at Luby's Cafeteria at 7:30 PM.

The Quarter Century Wireless Association meets on the third Saturday of each month at Luby's at noon.

The ARO transmitter hunt occurs at 7 PM on the Saturday following the ARO meeting. The hunt frequency is 146.52, with coordination on 146.94. 4/8, 5/6, 6/10, 7/8.

Ham exams are held at 8:30 AM on the first Saturday of odd numbered months only at Murchison Middle School. There will also be a session in April. 4/8*, 5/6, 7/1, 9/2, 11/4.

Ham exams will be held at 2 PM in Fleck hall room 109 at St. Edward's University 3001 South Congress Avenue on the third Saturday of each month. 4/29*, 5/20, 6/17. (* Not regular week)

The ARO swapnet is transmitted at 9:00 PM on the 146.94 repeater. Newsline, an amateur radio news program, follows the swapfest. The swaplist is copied to WB5GHJ's packet BBS shortly after the swapnet is over.

A vertically polarized SSB net follows Newsline on 144.225. Another session occurs at 8:30 PM on Wednesdays.

The Travis County ARES net meets every Sunday night at 6:30 PM - 146.94 MHz and 8:30 PM - 146.78 MHz. A packet session is held at 7:30 PM on 145.78 MHz unconnected mode.

Face-to-face meeting ARES meetings are held on the fifth Tuesday of months with a fifth Tuesday at 7:30 PM at Luby's Cafeteria on North Loop. 5/30, 8/29

