

AARC OVER

Bulletin of Austin Amateur Radio Clubs

Austin Amateur Radio Club
Austin Amateur Television Club
Austin Repeater Organization

ISSN 1067-0262

January 1995

Club Meetings

Austin Repeater Organization
Tuesday, January 3, 1995

Austin Amateur Radio Club
Tuesday, January 10, 1995

Austin Amateur TV Club
Tuesday, January 17, 1995
NOTE: Meeting changed to Tuesday

Travis County ARES
Tuesday, January 31, 1995

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.

Charlie Eichenbaum, WB5HOI SK

Charlie Eichenbaum, WB5HOI, died November 16, 1994, just four days short of his birthday. Charlie's death was caused by a tragic work related accident.

Charlie had been a ham for as long as I had known him, which is at least 20 years. He was well known in the ham community as the person who organized the license classes for the last few years. Charlie helped teach the

classes as well as recruit others to teach subjects. When Charlie asked you to teach a class the only question was when and where do you show up.

Charlie was also instrumental in organizing the volunteer examiners for the students of the classes.

Charlie's wife Marilyn and their son Charles Robert are both licensed amateurs. I'm sure it was just a matter of time before his daughter joined the family with a license.

Besides his ham activities, Charlie was quite active in the downtown Rotary Club, a leader in his industry, and a good husband and father.

In addition to all the things Charlie did as a ham, business man and father, he was a good friend to all who knew him. It was rare when Charlie didn't go out of his way to help many of his friends.

Charlie will be missed by all of us.

Charlie, good luck and 73...

Jim Neely WA5LHS

Austin Amateur Radio Club Meeting

President Jim Neely, WA5LHS, brought the meeting to order at 7:30 PM on December 13, 1994, at Luby's on North Loop.

Visitors The following guests introduced themselves: Harold Thompson, no call; Scott McWaters, KK5EO; Steve Sparks, Sr, AB5SV; Susan Erickson, new licensee; Joe, KC5JED; George, W5TXP; and Maxine Montgomery, wife of Bill, AB5HP.

Minutes The minutes of the November 8, 1994, were approved as printed in the AARC/OVER.

Officer Reports Dave Marschall, KG5ND, Treasurer, reported that the checking account balance was \$605.68 and the postal account balance was \$90.49. Ed Golla, K3AHS, Technical Committee Chairman, reported that the Club's 146.78 MHz repeater had an intermod problem as well as AC hum. Steve Sparks, KB5RSY, Activities Manager was absent and there was no activities report.

New Members Stan Brien, KC5CKY and Scott McWaters, KK5EO.

Old Business The proposed change to the by-laws made at the November, 1994, meeting which raises a single membership to \$8.00 per year, creates a combined single membership with Austin Repeater Organization (ARO) of \$15.00 per year, leaves a family membership at \$10.00 per year and provides for a combined family membership with the ARO of \$20.00 per year was moved, seconded and passed. Each club will receive one half of the amounts that are collected for combined memberships. Also the ARO charges \$1.00 per year for repeater auto-dial services and the AARC provides the service for nothing. These policies have not been changed.

New Business Frank Edwards, WB5WOA, Chairman of the nominating committee presented the slate of candidates for 1995 as follows:

President Stuart Rohre K5KVH

Secretary Gene Van Zelfden KB5UGO
Treasurer John Weber KF5OY

The Club is still searching for a Vice-president. It was moved, seconded and passed to have the nominations cease and accept the slate as presented.

Announcements Mickey Inks, K5IOJ, called for a round of applause for the outgoing officers. It was given.

It was announced that there would be no annual banquet in January, 1995, due to the Club's finances and a lack of a suitable location. The clubhouse in Zilker Park was not available until February. The Club's January, 1995, meeting will be held at Luby's on North Loop at 7:30 PM on January 10, 1995, the usual date, time and location. The new officers may attempt to organize a social function in the spring.

Dave Marschall, KG5ND, announced that his packet cluster is being moved to Round Rock.

Hal Henegar, W5MDL, public information officer recommended that each club make an officer responsible for submitting information to him.

Rod Moag, W0NDS, announced that KOOP a new FM cooperative radio station would begin operating on December 17, 1994, at 9:00 AM at 91.7 MHz.

It was moved, seconded, and passed to adjourn. President Neely adjourned the meeting at 7:50 PM.

Program Rod Moag, W0NDS, Vice-President, again introduced someone who needed no introduction Stu Rohre, K5KVH, a former Club Vice-president, President-elect and experimenter with ham radio antennas. Stu has presented several programs to the Club regarding ham radio antennas. Stu described and displayed several practical antennas that he has constructed. Most of them were quick and dirty and would be very helpful and handy in an emergency.



Respectfully submitted,

John Weber, KF5OY

AARC Secretary

December Austin Repeater Organization Meeting

The meeting was called to order by President Phil Steinbach [WB5SUR] at 7:30 PM, December 6, 1994 at Luby's North Loop cafeteria. 82 people were present.

Seven new members and guests were introduced.

The minutes of the November meeting were approved.

Treasurer's Report: Balance as of December 5 was \$4686.66.

Technical Report: No unsatisfactory equipment performance was reported.

New Business: Expression of appreciation to Paul Parker [NSZLX] for his serving as secretary the last two years.

The meeting adjourned at 7:47 PM

Respectfully Submitted
Warren Anderson [NSXUG]

Secretary

November 29, 1994 Travis County ARES Meeting

ARES Members Discuss SET

Joe Fisher started off the discussions at the November 29 ARES (Amateur Radio Emergency Service) meeting at Luby's. He "formally apologized" to Hal Hennegar for not composing a press release before the SET

(Simulated Emergency Test) exercise, thereby costing the group 10 points. Hal noted that we need a volunteer to notify him in advance of foreseeable events, like SET.

Mickey McInnis distributed certificates and stickers to 8 ARES members, and noted that 22 others had already received them. One way to get a certificate is to check in to the Sunday ARES net 10 times in 13 weeks.

Joe Fisher encouraged members to check out / check in to the packet nets and to ATV (Amateur TV). And if you would like an ARES job with a title, see him.

Rick Herndon thanked all those who participated in the SET...he described the scene at the city's new Emergency Operations Center as "crazy" during the exercise. He has message blanks available, and encouraged folks to make up messages to relatives and send them during the ARES nets. Rick noted that participation in the ARES nets has been steady.

It turns out that lots of telephone calls wound up on answering machines. Joe Canfield learned that 75% of calls made to Red Cross volunteers were not answered by a human. Stu Rohre thanked Mike Adams for helping call the Red Cross volunteers. Someone noted that, if a machine answers, you should go ahead and leave an informative message on the machine.

During the SET, Joe Canfield got the State of Texas RACES station on the air using the special call WCSAAH.

Jim Neely will run the WeatherNet from the KVUE-24 facility, due to the upcoming closure of the National Weather Service's local office.

Frank Edwards helped set up an emergency packet station at the Red Cross during SET, with the assistance of Joe Canfield and Louis Pecenko. Packet radio is important because some information can be transmitted on packet but not by easily-intercepted FM voice.

Rick Herndon and Joe Fisher operated from

January 1994

Page 3

the City's EOC, although they had to use an existing 150 MHz antenna because there is no 2-meter antenna installed yet. They made note of a City employee who selflessly donated his Saturday morning to come down and open the EOC and generate piles of messages.

Dave Effland on the Simulated Emergency Test:

Lots of things went right and lots went wrong with this year's SET, but this year's exercise went much better than last year's. The exercise was supposed to have gone like this:

At 8:30 AM a construction crew severed a natural-gas main on Holly Street. There was a big gas leak, and the Holly St. Power Plant went down. A large residential area had to be evacuated.

At 9:30 the Salvation Army opened an emergency shelter. Bad weather was approaching.

At 10:15 a lightning bolt ignited some of the natural gas which had filled a sewer line. The explosion damaged telephone trunks to the Greenwood (47x-) telephone switching center, causing all 911 service citywide to fail. Soon afterward, hams were dispatched to vacant fire stations to handle citizen reports.

By 11:15 the City had requested that the Salvation Army set up a canteen, and someone at a shelter had suffered a medical emergency. Folks in the shelters had originated 160 messages.

At 11:45 lightning struck and ignited a house, and 911 service was still down.

Dave suggested a brainstorming session, and these were some of the suggestions put forth:

Taking the 146.94 repeater out of service just 10 minutes into the exercise [due to real-life interference from San Antonio] led to reduced participation.

Tactical callsigns should describe locations, not persons. Call the "EOC," not "Joe,"

because Joe may have moved.

Net Controls need a special log form, including exercise start time, year licensed, emergency power status, and how long everyone can participate. An erasable magnetic white board might help with this and with losing track of folks sent to other repeaters, but how can one NC transfer the info to another NC? Need a way to keep track of what traffic has been passed.

ARES needs a mobile repeater.

Stations reporting news should tell their locations.

Packet traffic handlers need one person to send traffic, another to do everything else. One person alone can't do it all. Each person needs a separate computer. Special forms software for message entry would be helpful.

We need a roster of ARES members who have portable computers. If you do, please send a message to Joe Fisher and add the information to the sign-in sheet at the next ARES meeting. Note if it is IBM-compatible, Macintosh, or other.

NC's should clarify whether calls for volunteers are real or scripted, and whether requested relocations are real or simulated.

NC's can delegate logging duties to their Assistant NC.

The next ARES face-to-face meeting will be at 7:30 PM on January 31 at Luby's Cafeteria on North Loop. Come on out and spend an hour with a bunch of friendly hams!

de Miles Abernathy, N5KOB



Huck's Country Store

Ham Radio and Dirty Rest Rooms

A dirty public rest room is one of the most despicable things we commonly encounter. We always remember a place of business or public facility for its dirty rest rooms.

As we know a store by its rest rooms, we ourselves are known by "the friends we keep" and by our ethical, technical, moral, spiritual and personal principles. Our speech is the best indicator to others of what those principles are.

In each of our hearts we want Amateur Radio to have a "Reputation of Excellence" in the eyes of our community and nation and ourselves. With that thought comes the question: What are we doing with all this bickering and foul language in certain areas of our bands?

In a manner of speaking, our bands have plenty of dirty rest rooms, and many are remembered by the speech they use, and all of us are known by the friends we keep! Can you imagine a stranger who is looking for help from a public service or community service organization, picking from a "rest room group?"

Yes, I know the usual "freedom of speech" arguments. But, those of you who practice bickering and foul language on the air are degrading yourselves and causing a blight and soiled name to Amateur Radio. Please consider your ways and their ultimate wages. Lets clean up our bands now!

de Old Huck, AA5BU

J. M. "Huck" Huckabee is an accredited License Examiner with both the ARRL and W5YI, and he is active with both exam groups in Austin. He has been on the air since before World War II, holding calls: W5KCI, D4AER, A5KCI, W4PPY, KF5ZR and now AA5BU. Huck is 71 years old and operates mostly 40-meter CW "in the fast lane."

Transmitter Hunting for Real

As an ARRL Awards Manager I hereby grant the first ever honorary DFCC Award to KG5ND and KB5LBO for a real Transmitter hunt. For about 24 hours there was a solid carrier on the TCP/IP packet frequency. When Dave, KG5ND, heard about the carrier, he and Rick, KB5LBO started their own two-man T-Hunt and found the hung radio in about 30 minutes. The 'transmitter' was an Alinco talkie that was hung up. Lets hear it for Alinco talkies. This one was 100% duty cycle for 24 hours and was still trucking.

Kudos to Dave and Rich. The Austin area TCP/IP'ers appreciate their real T-Hunt!

73 de Dick, KD5VU, Austin, TX



Kansas Balloon Launch Update:

The amateur-radio balloon from Central Kansas did go up Saturday, Nov. 12. The launch had to come much earlier than planned, with wind all night blowing at 15-20 mph, and forecasts of 25-35 and higher gusts on Saturday. So, instead of 9 AM (1500Z) the balloon went up shortly after sunrise, at 7:36 AM (13:36Z).

The attempt to make 125 thousand feet did not quite succeed. The GPS reported an altitude of just over 111 thousand feet at burst. Chasers had to go for a long Saturday drive. From the launch site west of Salina, Kansas, to the recovery point south-southwest of Circleville, Kansas, was about 110 miles straight line distance.

The landing site was first spotted from Pete's airplane... the balloon had landed on top of a haystack, adjacent to a barn, on a farm close to the Potawatomi Indian Reservation.

This was the ninth launch from the small group of Amateur Radio operators who refer to themselves as Sky Science Over Kansas. All nine have been recovered without incident.

de Bob Davis K0FPC

Ham Information on Internet

There is a wealth of amateur radio related information available on the internet. With internet being available to more and more people, some pointers to this information may be helpful to new internet users.

First some warnings:

1) Internet is nearly a free speech area. This is both a blessing and a curse. There is lots of interesting stuff there and honest opinions. There is also a lot of garbage. In some ways it's like the worst of CB at times. You will find obscenity. You will find people who know nothing about what they are talking about claiming to be experts. (Hmm... maybe

it's more like ham radio than I first said.)

2) There are a lot of nice people and a lot of twits on internet. There is almost no sense of politeness. People pick your words apart mercilessly and bicker endlessly. You need something of a thick hide. If you want to use internet, you'll have to learn to ignore the people who are unworthy of your attention.

That said, there are a lot of useful information and nice people on internet.

There are a lot of newsgroups relating to amateur radio, including a lot of groups starting with "rec.radio.amateur".

The ARRL maintains a automatic server that distributes information. It is at info@arrl.org. To get information send an e-mail message containing just the word "help".

The "DO's and DONT's" on the next page is one example of the many articles they have.

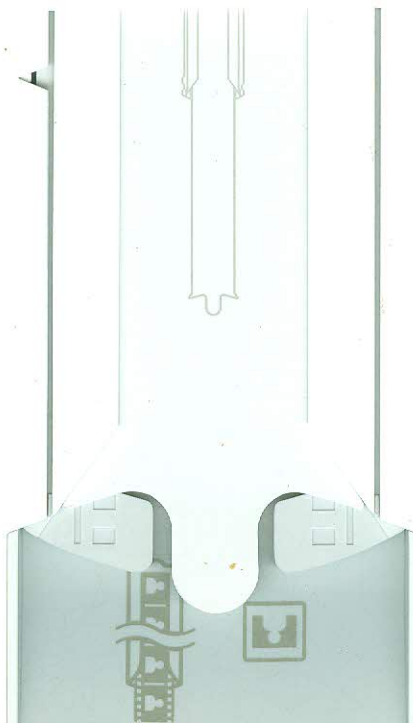
de KB5YAC

The Online Repeater Database Project is a World-Wide-Web based database interface, allowing you to search for repeaters in your area (state, actually). You can also search by callsign or by frequency, or even by country (but this may return a large list). It's part of the Amateur Radio server available at

URL:<http://www.acs.ncsu.edu/HamRadio>

You need to have a forms capable browser such as Mosaic to use the database. (I'm still working on the problems with Lynx). There are many other pages there as well, such as Newslite (from Bill Pasternak (copyrights reserved)), a Sarex and Satellite Operators page, A Satellite Pass Prediction gateway for amateur satellites, a list of other Amateur Radio web servers and pages as well as the usual frequently asked questions, FCC part 97 rules and ftp sites.

Lou Williams (nsyslaw@acs.ncsu.edu)
aka: KE4ARM



DO's and DONT's for Special Event Communications

DO use simplex if at all possible, with a repeater as a back-up and for talk-in. Clear the function with the repeater group in writing, and well in advance.

DO arrange for someone who knows the area to handle talk-in, or at least someone with a good map if no one else is available.

DO get a crystal-clear understanding of the needs of the group you are serving.

DO arrange for someone to be in charge as Net Control. Even small events can have messy communications without this. The group needs a leader. You are the best one for this in many cases.

DO arrange for relief operators. Everybody needs lunch or coffee breaks.

DO arrange for your people well in advance, but check on them the week before to make sure they are still available. If you can have extra people or standbys available, do so. Excuse people as soon as you can as long as their job is finished and all other positions still needed are covered.

DO have the NCS keep track of who is where so he knows whom to call when asked to contact a person or checkpoint.

DO thank your operators and share any feedback you get with them. Courtesy and thoughtfulness pay off.

DO have Amateur Radio operators working in teams of at least two people if possible. Make sure that at least one member of the team is monitoring the radio at all times.

DO identify vehicles as Amateur Radio Communications Vehicles. Operators should be identified, too. A call-letter badge or ARES or RACES patch is sufficient. Use baseball caps with an ARES patch or the group logo.

DO maintain a courteous, professional image. You may be working with several agencies including police, fire, first aid squads, National Guard, etc. Extend every possible courtesy to members of these groups. Make sure they know who you are and what your communications capabilities are.

DO use standard ARRL message forms when necessary for official requests and messages.

DON'T over identify! You must identify your station only at ten minute intervals during a series of transmissions. However, don't jump into the net every ten minutes just to identify. For example, if you only engage in a short exchange of transmissions every half hour or so, you will fulfill the identification requirement if you ID at the end of each exchange.

DO use tactical call signs. Check-point or unit numbers or other special identifiers are legal, provided the station requirements are fulfilled. Use standard Amateur Radio operating procedures for all communications.

DO make certain the frequency is clear before making a call. The channel can get very busy during "tactical operations". When you complete an exchange with another station, use the prowords "clear" or "out" so other stations will know the frequency is now available to them. Keep transmissions as short as possible. Resist the tendency to ragchew or ramble.

DON'T apply first aid unless you are trained and certified to do so. Call for medical assistance and an ambulance or medical personnel will be dispatched to your location.

DON'T transport an ill or injured person in a private vehicle. This is the job of the medics and the police. An emergency vehicle is properly equipped, and can get through traffic much faster than a private car.

DON'T handle routine business or commercial communications. This includes communications regarding dollar amounts of walkathon pledges, etc. The press and broadcast stations may quote or rebroadcast amateur signals, provided the signals rebroadcast do not contain references to the broadcast.

DO enjoy yourself! Amateur Radio public service is fun!

DO prepare the night before. Make sure your batteries are charged and take spares if needed. Have a clipboard with paper and pencils, gas in the car, miscellaneous spare parts you may need and maps if available. Know where you are going and when you must be there.

DO introduce yourself to the person or people you will be working with at your station. Let them know who you are and why you will be there. Stay at your post unless you are excused. Make sure both the Net Control Station (NCS) and first officials you are with know when you leave.

DON'T offer more than you can deliver. You are there to provide direct emergency assistance. You are there to communicate the need for such assistance to the proper authorities.

DON'T leave the frequency unless the NCS knows. If you must leave early, the more in advance this is known the better.

DO inform the event communications coordinator if you cannot make the event after agreeing to be there; the sooner this is relayed to the person in charge of amateur communications at the event, the better.

DO obey the instructions of the Net Control Station. The NCS is there to respond to general queries from the net or from other amateurs on the frequency. Even with only a few amateurs involved, the NCS is necessary for smooth functioning. Address requests to transmit to the NCS and obey his instructions just as on traffic nets.

DO memorize the main operations frequency and alternate frequencies

From ARRL info from (info@arrl.org)
Edited slightly for brevity



Codes for the 146.78 & 146.88 MHz Repeaters

The 146.78(-) repeater (Austin Amateur Radio Club), and the 146.88(-) repeater (Austin Repeater Organization), have similar commands, but they aren't all identical. Here is a side-by-side list.

	146.78 MHz	146.88 MHz
AUTOPATCH.....	146.78 MHz	146.88 MHz
Phone Patch Access (Max 3 minutes).....	*+Phone No.	*+Phone No.
Extend Patch for 2 more minutes.....	7*3	-
Hang-up the phone.....	#	#
Custom hang-up code.....	7+3 digits	-
Redial last dialed number.....	7*	-

Special Autodial Numbers

Emergency.....	911	911
Club President.....	919	914
Club Vice-President.....	918	915
Club Secretary.....	917	916
Club Treasury.....	916	917
Club Editor.....	914	918
AARC Activities Mgr.....	915	-
AARC Roster Chair.....	913	-
AARC Technical Chair.....	111	-
ARO Equipment Committee Chair.....	-	919
ARRL Emergency Coordinator (Travis Co).....	119	-
Repeater Trustee.....	119	913
Weather Recording.....	910	910
Railroad gate malfunction.....	-	912

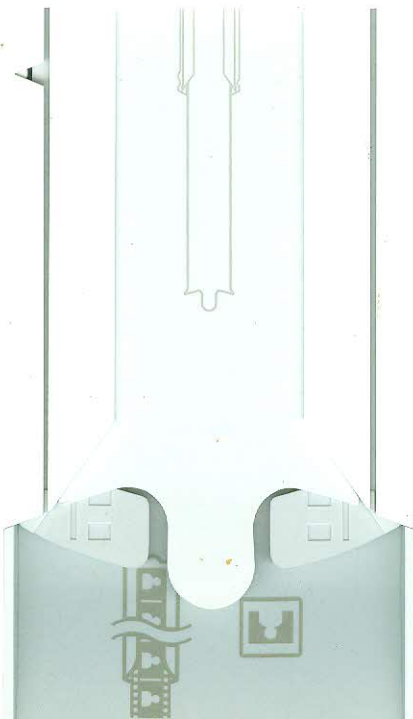
Repeater

Pass DTMF Tones through repeater.....	#-tones	(automatic)
DTMF pad test.....	5+tones	5+tones
S-meter reading.....	9*60	-
ID's and Bulletin Boards.....	-	30 to 38

Voice Recorder

Play message addresses.....	4*	-
Play message 1,2,3, etc.....	4*1,2,3, etc.	-
Record address & message.....	4**	-
Erase message just played.....	4***	-
Record and play back next transmission.....	4****	-

Copied from 1994 AARC/ARO roster.



Club Information

Austin Amateur Radio Club, Inc.

P.O. Box 13473, Austin, TX 78711-3473

Officers

President	Stu Rohre	K5KVH	255-3932
Vice President	Vacant		
Treasurer	John Weber	KF5OY	280-1082
Secretary	Gene Van Zelfden	KB5UGO	346-8727
Activity Manager	Frank Edwards	KB5WOA	451-4318

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, 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. Permission 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 Newslines at 9 PM Sunday.

244.80 MHz -600 KHz

444.10 MHz -5 MHz

145.01MHz 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 congratulates the following radio amateurs who earned new or upgraded licenses at its November 19 session.

George A Piskorz	KC5EIZ	Advanced
John E. Proctor	KB5ZMZ	Tech Plus
Bill A. Durtschi	-new-	Technician

Jerrold P. Krebs	-new-	Technician
Robert A. Walton	-new-	Technician

The Volunteer Examiners were:

Hugh Brown	KC5E1Y
Lloyd Goerhring, Jr.	N5YHR
Jim Greenwood	AB5EK
Emil Kasprzyk	KC5IZ
Tony Lyon, IV	KJ5XF
Carol Thiel	N5TLY
Joe Thiel	N5SMD

Our next session will start at 2 PM on January 21st in room 109 of Fleck Hall on the campus of St. Edward's University. Please note that the testing fee has changed to \$5.90 for 1995. For more information, contact Jim, AB5EK, at 327-6184.

Your Packet Cluster Needs YOU!

The DX Cluster packet system on 144.95 MHz will shortly be moving from KG5ND to AB5KD's QTH, with WB5ZVL taking over as SysOP. We thank Dave for several years of service to Austin amateurs.

In addition to real-time DX spots, the Cluster database provides the U.S. Callbook on line (and some of the foreign Callbooks), the GO List of QSL managers, and numerous other DX aids. However, like many good things in life, **THE CLUSTER COSTS MONEY!** When we move it, equipment expenses will be about \$500, and operating expenses are about \$400. We are asking all recent, current and intending users to make a donation of \$30 toward these costs. Please send your checks to Dave Marschall, KG5ND, 4321 Ganymede Lane, Austin, TX 78723, or see Dave at an AARC or ARO meeting. Thanks for your support!

de KG5ND



Calendar

January

- 3 ARO Meeting @ Luby's
- 7 Ham Exams, Murchison, 335-4327
- 10 AARC Meeting @ Luby's
- 17 AATVC Meeting @ Luby's
- 21 Ham Exams, St. Ed's, 327-6184
- 21 QCWA meeting @ Luby's noon
- 21-23 VHF Sweepstakes

March

- 4 Weather spotter classes

April

- 1 Manchaca swapfest

Periodic Events

- | | | |
|-------|------------------------------------|-------------|
| Sun | 6:30 PM, ARES, | 146.94 MHz |
| Sun | 7:30 PM, ARES Packet, | 145.78 MHz |
| Sun | 8:30 PM, ARES, | 146.78 MHz |
| Sun | 9:00 PM, SwapNet, | 146.94 MHz |
| Sun | (after Swapnet) Newslines | 146.94 MHz |
| Sun | (after Newslines) and | 144.225 MHz |
| Wed | 8:30 PM | |
| | SSB net (Vertical) | 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 1 block West of Burnet Rd.

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

The Austin Repeater Organization 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. [DATE CHANGE]

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

The ARO transmitter hunt occurs on the Saturday following the ARO meeting. The hunt frequency is 146.52, with coordination on 146.94. 1/7, 2/11, 3/11, 4/8, 5/6, 6/10, 7/8.

Ham exams are held on the first Saturday of **odd numbered months only** at Murchison Middle School. 1/7/95, 3/4, 5/6, 7/1 [SCHEDULE CHANGE]

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. 1/21/95, 2/18, 3/18, 4/29*, 5/20, 6/17. (* Not regular week)

The ARO swapnet is transmitted at 9:00 PM on the 146.94 repeater. Newslines, 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 Newslines on 144.225. Another session occurs at 8:30 PM on Wednesdays.

The Travis County ARES (Amateur Radio Emergency Service) net meets every Sunday night at 6:30 PM on the 146.94 repeater and at 8:30 PM on the 146.78 repeater. A packet ARES session is held at 7:30PM on Sunday on 145.78 unconnected.

Any amateur interested in emergency communication is invited to join. Message traffic would be appreciated. A face-to-face meeting is held on the fifth Tuesday of months with a fifth Tuesday at 7:30 PM at Luby's Cafeteria on North Loop. 1/31/95, 5/30, 8/29

The Williamson county ARES net is held Sundays at 8PM on the 147.08 repeater in Georgetown. Participation by amateurs inside or outside of Williamson county is invited.

