



AARC OVER

Bulletin of Austin Amateur Radio Clubs

Austin Amateur Radio Club
Austin Amateur Television Club
Austin Repeater Organization

March 1993

ISSN 1067-0262

Club Meetings

Austin Repeater Organization

meets on Tuesday, March 2, 7:30 to 8:30 PM, at Luby's Cafeteria on North Loop, one block west of Burnet Rd. Everyone is encouraged to come early and have supper together.

Austin Amateur Radio Club

will meet on Tuesday, March 9, 7:30 to 8:30 PM, at Luby's on North Loop. Program: "State-of-the-Art Lightning Protection for the Amateur Station", by Nick Broline, W5FUA. All AARC events are non-smoking.

Austin Amateur Television Club

meets on Tuesday, March 16, 1993, 7:30 to 8:30 PM, at Luby's.

Austin OCWA

will meet on Saturday, March 20, 1993, at 11:30 AM, at Wyatts Cafeteria. Wyatts is located at Hancock Center.

Earthbreeze Update

On Feb. 23, Steve Loeffler, WB9ZRE, reported to Miles Abernathy the following about the Wisconsin Amateur Balloon Association Earthbreeze project.

The transmissions from the balloon went silent shortly after launch. Transmissions were heard in Hawaii and the Caribbean. The association would like to find the balloon. Even though the balloon has no parachute, it is so designed as to possibly survive its return.

Look for another balloon from WARBA in the fall. There are plans for more backup and more frequencies on which to monitor. Stay tuned for more details as they become available.

Relevance Magazine



There's nothing but plastic in here to mount my mobile to, but I found some metal



PO Box 4763, Austin, Texas 78765
Operator of Voice Repeaters on 146.28/88Mhz.,
146.34/94Mhz., 223.20/224.80 Mhz. and
449.1/444.1Mhz.
Packet Digital Repeater 145.01Mhz.
Sponsor of Central Texas Weather Net,
ARO Transmitter Hunt and Swapnet

Club Officers

President - Phil Steinbach (WB5SUR) 258-3215
Vice President - Jeff Schmidt (NSMNV) 255-6753
Secretary - Paul Parker (NSZLX) 467-7070
Treasurer - Tenia Kinney (KA5TXX) 442-8427
Editor - Anne Bathurst Click (KB5RHA) 451-7667

HELPING HAMS

In lieu of a story this issue, the following excerpt from Reader's Digest is included. The editor hopes it's a point for you to ponder.

Albert Schweitzer:

It is not enough merely to exist. It's not enough to say, "I'm earning enough to support my family. I do my work well. I'm a good father, husband, churchgoer."

That's all very well. But you must do something more. Seek always to do some good, somewhere. Every man has to

seek in his own way to realize his true worth. You must give some time to your fellow man. Even if it's a little thing, do something for those who need help, something for which you get no pay but the privilege of doing it. For remember, you don't live in a world all your own. Your brothers are here too.

TRANSMITTER HUNT--March 6, 7 pm

AUSTIN REPEATER ORGANIZATION MARCH MEETING

Luby's on North Loop - TUESDAY, MARCH 2, 1993 - 7:30 pm

PROGRAM: MAYAN HIEROGLYPHICS

BY TOM McNELLY

Minutes of the Austin Repeater Organization Meeting Feb. 2, 1993

The meeting was called to order by Phil Steinbach (WB5SUE) at 7:33 pm at Luby's North Loop Cafeteria. There were ~90 people in attendance.

Guests and visitors were introduced.

The minutes as published in the "Bulletin of Austin Amateur Radio Clubs" (AARC/OVER)/(ARO MONITOR) were approved as written. The Treasurer, Tenia Kinney (KA5TXK), reported a checking account balance of \$5,825.79.

The engineers reported all equipment was operating o.k., except the digipeter.

Activities Report included: Heart to Heart Exercise will be Feb. 10 & 11. Volunteers were requested. They are to contact any of the ARES staff.

Announcements included: Copies of the comic book "Archie's Ham Radio Adventure" were made available.

Unfinished Business: Jim Neely (WA5LHS) reported that the equipment for the Red Cross building had been purchased.

New Business: There was no new business.

Meeting adjourned at 7:38 pm.
Submitted by Paul Parker (N5ZLX), Secretary.

Repeater Procedure

We all know and use correct repeater operating procedure (yeah, right), but for the benefit of those of us who have just gotten back from Greenland, here's a refresher:

1. Speak clearly, especially when identifying yourself (no garbled call signs).

2. I.D. every ten minutes and at the end of a contact. FCC rules state that you only need to state your own call.

3. Relinquish the repeater immediately to someone saying, "break." Saying "break" is supposed to indicate an emergency situation. (In a non-emergency situation, join or interrupt a QSO to make a call by simply giving your call between transmissions.

4. Pause between transmissions to allow other to get in.

GREAT IDEAS?!

--A class starting up soon for the General Class license.

--A Ham Radio Hotline/Helpine with info on licensing, club meetings, technical matters, how-to stuff, etc.

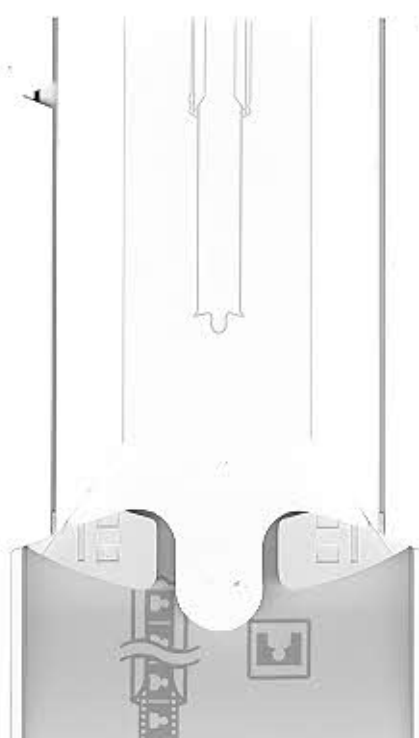
AARC OVER

1993	NOVICE		TECHNICIAN		TECH-PLUS		
	BAND	CW RTTY DATA	VOICE	CW RTTY DATA	VOICE	CW RTTY DATA	VOICE
160	NONE	NONE	NONE	NONE	NONE	NONE	NONE
80	CW ONLY 3675-3725 kHz Limit 200 watts PEP output	NONE	NONE	NONE	CW ONLY 3675-3725 kHz Limit 200 watts PEP output	NONE	NONE
40	CW ONLY 7100-7150 kHz Limit 200 watts PEP output	NONE	NONE	NONE	CW ONLY 7100-7150 kHz Limit 200 watts PEP output	NONE	NONE
30	NONE	NONE	NONE	NONE	NONE	NONE	NONE
20	NONE	NONE	NONE	NONE	NONE	NONE	NONE
17	NONE	NONE	NONE	NONE	NONE	NONE	NONE
15	CW ONLY 21,100-21,200 kHz Limit 200 watts PEP output	NONE	NONE	NONE	CW ONLY 21,100-21,200 kHz Limit 200 watts PEP output	NONE	NONE
12	NONE	NONE	NONE	NONE	NONE	NONE	NONE
10	28,100-28,300 kHz Limit 200 watts PEP output	28,300-28,500 kHz Limit 200 watts PEP output	NONE	NONE	28,100-28,300 kHz Limit 200 watts PEP output	28,300-28,500 kHz Limit 200 PEP output	
6	NONE	NONE	CW ONLY 50.0-50.1 MHz	50.1-54.0	CW ONLY 50.0-50.1 MHz	50.1-54.0 MHz	
2	NONE	NONE	CW ONLY 144.0-144.1 MHz	144.1-148.0 MHz	CW ONLY 144.0-144.1 MHz	144.1-148.0 MHz	
1.25	222.1-223.91 MHz Limit 25 watts PEP output	222.1-223.91 MHz Limit 25 watts PEP output	222.0-225.00 MHz	222.0-225.00 MHz	222.0-225.00 MHz	222.0-225.00 MHz	
70 cm	NONE	NONE	420-450 MHz	420-450 MHz	420-450 MHz	420-450 MHz	
33 cm	NONE	NONE	902.0-928.0 MHz	902.0-928.0 MHz	902.0-928.0 MHz	902.0-928.0 MHz	
23 cm	1270-1295 MHz Limit 5 watts PEP output	1270-1295 MHz Limit 5 watts PEP output	1240-1300 MHz	1240-1300 MHz	1240-1300 MHz	1240-1300 MHz	

Notes: Tech-Plus are those licensees who have passed a 5 wpm code test in addition to the written test

Produced By Bob Pinheiro, WA6ZLO, © 1993. Permission to reprint granted with proper credit.

GENERAL		ADVANCED		EXTRA	
CW RTTY DATA	VOICE	CW RTTY DATA	VOICE	CW RTTY DATA	VOICE
1800-2000 kHz	1800-2000 kHz	1800-2000 kHz	1800-2000 kHz	1800-2000 kHz	1800-2000 kHz
3525-3750 kHz Limit 200 watts PEP output in Novice Band	3525-4000 kHz	3525-3750 kHz Limit 200 watts PEP output in Novice Band	3775-4000 kHz	3500-3750 kHz Limit 200 watts PEP output Novice Band	3750-4000 kHz
7025-7150 kHz Limit 200 watts PEP in Novice Band	7225-7300 kHz	7025-7150 kHz Limit 200 watts PEP output in Novice Band	7150-7300 kHz	7000-7150 kHz Limit 200 watts PEP output Novice Band	7150-7300 kHz
10,100-10,150 kHz Limit 200 watts PEP output	NONE	10,100-10,150 kHz Limit 200 watts PEP output	NONE	10,100-10,150 kHz Limit 200 watts PEP output	NONE
14,025-14,150 kHz	14,225-14,350 kHz	14,025-14,150 kHz	14,175-14,350 kHz	14,000-14,150 kHz	14,150-14,350 kHz
18,068-18,110 kHz	18,110-18,168 kHz	18,068-18,110 kHz	18,110-18,168 kHz	18,068-18,110 kHz	18,110-18,168 kHz
21,025-21,200 kHz	21,300-21,450 kHz	21,025-21,200 kHz	21,225-21,450 kHz	21,000-21,200 kHz Limit 200 watts PEP output Novice Band	21,200-21,450 kHz
24,890-24,930 kHz	24,930-24,990 kHz	24,890-24,930 kHz	24,930-24,990 kHz	24,890-24,930 kHz	24,930-24,990 kHz
28,000-28,300 kHz	28,300-29,700 kHz	28,000-28,300 kHz	28,300-29,700 kHz	28,000-28,300 kHz	28,300-29,700 kHz
CW ONLY 50.0-50.1 MHz	50.1-54.0 MHz	CW ONLY 50.0-50.1 MHz	50.1-54.0 MHz	CW ONLY 50.0-50.1 MHz	50.1-54.0 MHz
CW ONLY 144.0-144.1 MHz	144.1-148.0 MHz	CW ONLY 144.0-144.1 MHz	144.1-148.0 MHz	CW ONLY 144.0-144.1 MHz	144.1-148.0 MHz
222.0-225.00 MHz	222.0-225.00 MHz	222.0-225.00 MHz	222.0-225.00 MHz	222.0-225.00 MHz	222.0-225.00 MHz
420-450 MHz	420-450 MHz	420-450 MHz	420-450 MHz	420-450 MHz	420-450 MHz
902.0-928.0 MHz	902.0-928.0 MHz	902.0-928.0 MHz	902.0-928.0 MHz	902.0-928.0 MHz	902.0-928.0 MHz
1240-1300 MHz	1240-1300 MHz	1240-1300 MHz	1240-1300 MHz	1240-1300 MHz	1240-1300 MHz



U.S. Amateur Power Limits

At all times, transmitter power should be restricted to that necessary to maintain desired communications. Power is rated in watts PEP output. Unless otherwise stated, the maximum power output is 1500 watts PEP output. Power for all license classes is limited to 200 Watts from 10,100-10,150 kHz (30 meters) and in all Novice subbands below 28,100 kHz. Novices and Technicians are restricted to 200 watts PEP output in the 28,100-28,500 kHz subband. In addition, Novices are restricted to 25 watts PEP output in the 222.1-223.91 MHz subband and 5 watts PEP output in the 1270-1295 MHz subband.

Station Antenna Structures

PRB-1, 101 FCC 2d 952 (1985)

Except as otherwise provided herein, a station antenna structure may be erected at heights and dimensions sufficient to accommodate Amateur service communications. State and local regulation of a station antenna structure must not preclude Amateur service communications. Rather, it must reasonably accommodate such communications and must constitute the minimum practicable regulation to accomplish the state or local authority's legitimate purpose.

TIME CONVERSION CHART

UTC	EDT AST	CDT EST	MDT CST	PDT MST	PST
0000	2000	1900	1800	1700	1600
0100	2100	2000	1900	1800	1700
0200	2200	2100	2000	1900	1800
0300	2300	2200	2100	2000	1900
0400	0000	2300	2200	2100	2000
0500	0100	0000	2300	2200	2100
0600	0200	0100	0000	2300	2200
0700	0300	0200	0100	0000	2300
0800	0400	0300	0200	0100	0000
0900	0500	0400	0300	0200	0100
1000	0600	0500	0400	0300	0200
1100	0700	0600	0500	0400	0300
NOON	0800	0700	0600	0500	0400
1300	0900	0800	0700	0600	0500
1400	1000	0900	0800	0700	0600
1500	1100	1000	0900	0800	0700
1600	NOON	1100	1000	0900	0800
1700	1300	NOON	1100	1000	0900
1800	1400	1300	NOON	1100	1000
1900	1500	1400	1300	NOON	1100
2000	1600	1500	1400	1300	NOON
2100	1700	1600	1500	1400	1300
2200	1800	1700	1600	1500	1400
2300	1900	1800	1700	1600	1500

	1992	1993
Brought Forward:		
Checking Account	2880	2093
Mailing Permit Deposit	30	130
Petty Cash		39
	2910	2262
Expected Revenue:		
Dues	2100	2100
Interest earned	165	165
Manchaca Revenue	250	250
Summerfest Revenue	0	100
Banquet	0	420
Ad Sales	20	0
	2535	3035
Total Budgeted Revenue:	5445	5297
Expenses:		
President: President's Discretionary Fund	200	200
	200	200
Secretary: Mailing permit	60	60
P.O. Box Rent	39	39
Roster Costs	350	350
Secretary's Discretionary Fund	50	50
	499	499
Treasurer: Check Charges	20	20
Treasurer's Discretionary Fund	50	50
	70	70
Technical: Telephone (Repeater)	210	225
Repeater repairs	750	750
Equipment Insurance	60	60
Field Equipment	100	100
	1120	1135
Editor: Newsletter postage	540	540
Newsletter Printing	1400	1400
Subscriptions	50	50
	1990	1990
Activities: Field Day	100	100
Banquet	350	400
Manchaca Expenses	200	200
Monthly Program	75	75
Summerfest Expenses	0	0
WestLink (Ron Johnson)	50	50
Red Cross	50	50
Membership Drive	150	0
	975	875
Total Budgeted Expenses:	4854	4769
Budgeted Surplus:	591	528

Austin Exam Results

The W5YI-VEC held an examination session on 6 February and many congratulations to the following who qualified for new licenses -

Name	License class
Mark Cornell	Technician
Michael Davenport	General
Francis Tantalo	Technician
Clint Hagemeyer	Technician Plus
Mandyam Thirunarayan	Technician Plus
Robert Reinehr	Technician
John Proctor	Technician

In addition 7 people upgraded -

Name	Call License class
Robert Basinger	Awaiting Extra
Mark Beebe	Awaiting Technician Plus
Allen Brown N5TDI	Technician Plus
Thomas Brun W5IHV	General
John Johnson N5ZEJ	General
Sandra Neaves W5UBU	Advanced
Robert Rowen N5XUS	Extra

Congratulations!

Three candidates passed one or more elements but did not upgrade or qualify for a new license.

The overall pass rates for examinations at this session was -

CW 58%

Theory 80%

Many thanks to the following VEs who gave their time -

Jim Greenwood	AB5EK
Jim Huckabee	AA5BU
Bill Montgomery	AB5HP
Gary Pickens	WX5Z
Tom Rohrer	AB5FH
Joe Thiel	N5SMN
Lloyd Walls	WA1PRY
Keith Watson	WB9KHL

The next exam session at Murchison will be on Saturday, March 6, and run by the ARRL-VEC. The next W5YI-VEC examination session will be on Saturday, April 3, 1993.

For more information on the ARRL-VEC session call Larry Gunter, WB5BEK on 473-3526 (work) or 345-7281 (home). For information on the W5YI-VEC session call Mark Johnson, KJ5AN, on 335-4327 (home).

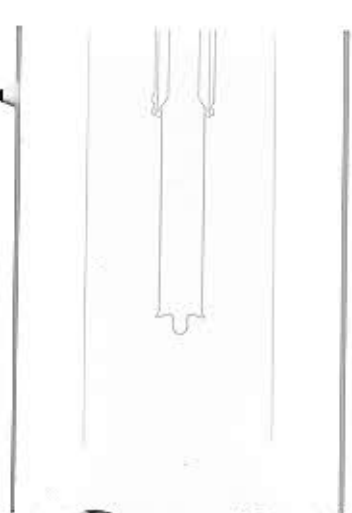
de Mark Johnson, KJ5AN

See Pg. 15 for more exam results.

Thank You...

A big "Thank You" is in order for Sam Duffie, W5BWQ.

Jim Neely, W5HLS, reports that Sam has generously donated, to the club, a Hallicrafters HT32A transmitter, a Collins 75A4 receiver, and a B&W kilowatt amp, with extra 813's and an extra power supply.



Minutes of February AARC Meeting

AUSTIN AMATEUR RADIO CLUB MEETING

Jim Neely, WA5LHS, President, brought the meeting to order on February 9, 1993, at 7:30pm at Luby's cafeteria on North Loop.

VISITORS: Our visitors included David Spray, awaiting call; Sakae from Japan, JF0VCY/KB5WZQ; Horace, W5HBT; Jerry Whitworth, interested non-ham; Mark, KB5RUG; Marina, KB5WSG; Dale, WB4HDX; and Mickey, KB5YAC.

MINUTES: The minutes of the January 9, 1993, meeting, installation of officers, and banquet were approved as printed in the AARC/OVER.

OFFICER REPORTS: Dave Marschall, KG5ND, Treasurer, reported that the checking account balance was \$2874.91 plus a postal account balance of \$356.42. Ed Golla, K3AHS, Technical Committee Chairman, knew of no problems with the club's repeater.

Steve Sparks, KB5RSY, Activities Chairman, reported on the banquet at Zilker clubhouse. There were about 80 persons in attendance and several door prizes were given away. Steve also announced that the Manchaca swapfest will be April 10, 1993, at the fire station. President Neely said this would not be a one-man effort and if volunteers are not forthcoming, there will be a draft.

OLD BUSINESS: President Neely announced that the scholarship fund is set up through the Austin Community Foundation. The bank had informed Jim that the fund has about \$200,000 at the end of 1992. Jim said the club must now advertise the scholarships and solicit applications.

NEW BUSINESS: President Neely presented the proposed 1993 budget. He pointed out the major differences between the 1992 and 1993 budgets. It was suggested from the floor that the budget be published in the AARC/OVER and the President agreed that this would be done. It was moved and seconded to accept the budget as proposed. The motion carried.

Rick Herndon, K5FNI, asked about the expanded sound system. President Neely went to Radio Shack and learned the equipment was out of production and he also announced that Rick was now a committee of one that will tend to this matter.

ANNOUNCEMENTS: Jim Bennett, WB5IMB, President of the Quarter Century Wireless Association, invited interested hams to its next meeting on February 20 at 11 AM at Wyatt's cafeteria in the Hancock Center.

Stuart Rohre, K5KVH, mentioned the kit building class has about 20 participants and he also showed the SPRAT publication from the QRP club. The QRP club plans to have a presence at HAMCOMM AND SUMMERFEST.

Allan Schauer, N5ZFG, Assistant EC, announced he was preparing a handbook for Travis County ARES.

Joe Fisher, K5EJL, EC announced that the Travis County ARES nets meet Sundays at 1830 local time on 146.94 MHz and at 2030 local time on 146.78 MHz. Joe also announced the annual SKYWARN class at 3M will be on Saturday, March 6, 1993, starting at 9 AM and lasting all day.

It was moved and seconded to adjourn. The motion carried and President Neely adjourned the meeting at 7:50 PM.

(cont'd on pg. 11)

HUCK'S COUNTRY STORE

By Huck Huckabee, AA5BU

It Can Be So Easy

-To Have Fun on CW

Contrary to many Radio Magazine Editors and other Hams; CW is alive and well. There are more people operating CW today than at any time in my 50+ years of Amateur Radio activity. Further, "Do-It-Yourself" construction articles in Trade Journals for CW activity, appear almost every month.

It is unfortunate that none of those construction articles dare to discuss how a new operator should use the equipment. So, lets look at a few guidelines to the newcomer:

- It easier to make a CW QSO than in any other mode; with the possible exception of a VHF repeater.
- Learn to send your own call. You can't work those who can't read your call! Make an audio recording of your QSO; and then critique your operation. This is sound advice to the young and old alike. Good sending and operating practices are the most important asset you possess.
- Calling CQ is like fishing. You don't know if there is a fish in the water! Instead, answer a CQ. Now thats like dropping bait into the mouth of a fish. The advantage is all yours.
- Listen, listen, listen! Any signal you can copy easily, indicates the distant station will be able to copy you easily Pick

- stations that are in the speed range you can handle..
- Develop human-interest subjects to talk about. Avoid controversial subjects. Don't forget: very few people care for the string of numbers and trademarks on your rig.
- Don't complain about the weather, QRM, QRN, etc. Make the conversation one of pleasure; not a swapfest of complaints.
- Ask the other party to slow down when copy is difficult, and to repeat only when necessary.
- Keep a log. Enter such things that will help you remember the person on subsequent QSO's.
- Select bands and band sections that function well at the time of day that you usually operate. You can make friends and have fun on any band that is open.
- Above all; operate! The more you operate, the easier it becomes.
- A novice operator who makes one CW contact per day for one year will be able to copy 20 WPM with ease! That's Old Huck's word; guaranteed to be true!

It is easier to make a 100 % QSO on CW than with any form of voice modulation. CW is like playing golf. Its not fun to everyone; but it is great for those who learn to do it. de Old Huck

AARC Minutes... (cont'd from Pg. 9)

PROGRAM: After adjourning, Rod Moag, W0NDS, introduced Darrell 'Dewey' Roth, K5KZQ, of Antique Audio Company (phone 467-0304). Dewey gave a very fascinating account of the early history of AM broadcasting including border radio and Doc Brinkley of XERA fame in Laredo/Villa Acuna.

Respectfully submitted,

John Weber, KF5OY

AARC Secretary

Stray Currents

COMING SOON:

Manchaca Swapfest

That's right the famous swapfest is on it's way and will begin at 8 AM on Saturday, April 10. That's right 8:00 AM and not 4 AM as in the past. It is nice to get there early but in the darkness it is just too dangerous. The early time has caused less sellers to show up and fewer dealers to be interested. Setup will start at 6:30 AM. Buyers will be admitted at 8 AM.

Please send comments to Steve Sparks, 251-7791 (home), 147.06 or packet (145.09).

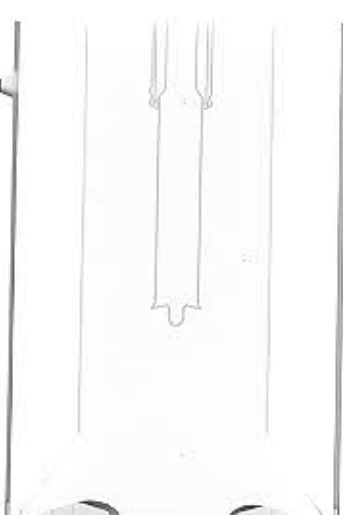
de Steve Sparks, KB5RSY

The yearly event, Heart 2 Heart, was held at the American Red Cross on February 10-11th. Red Cross volunteers send messages to family and other volunteers via the National Traffic System.

The volunteers are taught how to fill out radiogram forms, ARES members check into several NTS nets, and pass the messages. This exercise is good training and practice for ARES members. Over fifty messages were sent, while two messages were received.

The event did not get off without problems. It was found that the AARC station is in need of work. The HF station has no 40 or 80 meter antenna. The dipole is in need of replacement, as well as the coax for the 2 meter beam.

Anyone who is interested in ARES or helping with the Red Cross station repairs should contact Steve Sparks, KB5RSY or Joe Fisher, K5EJL.



MANCHACA SWAPFEST

Sponsored by the Austin Amateur Radio Club.

Saturday April 10th

TALK IN ON 146.78, AARC CLUB REPEATER

The swapfest will start at 8am

People selling will be allowed to setup starting at 6:30am

There is no setup allowed before April 10th at 6:30am.

SWAPFEST SPACE PRICES:

TABLES ARE \$5.00 each *

TALEGATE SPACES ARE \$4.00 each

**PARKING IS AVAILABLE IN THE FIELD NEXT TO THE CAFE.
DO NOT PARK IN THE MCCOYS PARKING LOT**

They may tow your car!

New Policy for Swapfest. Please READ!

The past Manchaca Swapfests have started as early as 4am. This at the time was perfectly fine with the club and Manchaca officials, however due to increased participation and increased traffic flow it has been pointed out by club, Manchaca and police officials that there is an increasing dangerous situation with so many people near the highway at that time of the morning. It has been determined that the swapfest should be held in daylight hours. Manchaca is now held between 8am and 1pm. People wishing to sell merchandise are invited to setup between 6:30 am and 8am. There will be NO selling during the setup time. Only people who have purchased a table or parking location will be allowed to enter the swapfest area. The new rules will be strictly enforced. People caught purchasing or selling prior to 8am will be asked to leave. There will be no refunds if the no-sell rule has been broken. When the swapfest ends at 1pm sellers are asked to thoroughly clean there area and leave by 2:30pm.

Digitally Speaking:**An Amateur Packet Radio Overview**

by

Rich Bono (NM1D)

October, 1990

(revision 1.2)

The following is the result of a non-amateur asking some basic questions about amateur packet radio. Several of us thought that this information would be useful to others who are interested in amateur packet operations.

Thanks to Tim Dayger for asking the right questions, and to Patty Winter (N6BIS) for her editing skills. I hope that this will be of help to many others. You may reproduce and distribute this as long as my credits remain.

Rich Bono (NM1D)

Our potential amateur packet radio operator asks:

I've used networks, on-line services, and bulletin board systems (BBS) for years, but I've never really paid much attention to amateur packet radio.

I'm starting from scratch, and need to have some idea of where to begin.

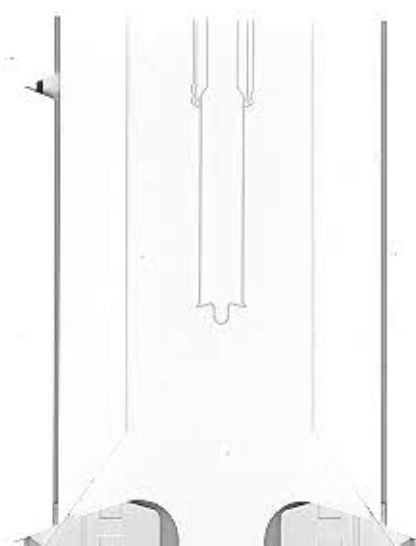
Just what IS amateur packet radio?

Amateur packet radio is (yet another) digital transmission method available for use via amateur radio. It provides 'error free' transmission and reception of messages (information/data/etc.) between two stations. This error-free capability is a prime consideration. Error free in this context

does not mean that your typing or spelling mistakes will be fixed, but that all transmitted 'data' will be received 100% intact, as sent. Infact, if the data cannot be delivered 100% intact, the transmission is eventually aborted and the user is informed that there is no longer a connection between the two stations.

The 'packet' in 'packet radio' comes from the method of transmitting your information over the air. Your data is broken up into packets (or blocks) that are transmitted. Each packet contains the sending and the receiving station call-signs and some optional routing information. A packet can contain from 0 to 256 data (or information) bytes. The users normally do not need to be concerned with this 'packetizing' of their messages. Each packet is sent and then acknowledged by the receiver when received. If a packet is not received correctly, then it is automatically re-transmitted (up to a maximum number of times). You normally don't have to know about all this to use packet radio. The 'packetizing' happens automatically, without any thought or actions required by you.

One of the more popular protocols used for amateur packet radio is known as AX.25. This is somewhat similar to the commercial X.25 standard. There is also a growing TCP/IP user base. If you are not network oriented, then the details of these protocols are not important to you as an operator of a packet radio station.

(continued next month...)

AARC Information

AARC/Over Information

Austin Amateur Radio Club, Inc.

Officers

Jim Neely, WA5LHS, President 442-4812
Rod Moag, W0NDS, Vice Pres. 467-6825
Dave Marschall, KG5ND, Treasurer .. 834-1779
John Weber, KF5OY, Secretary 280-1082
Steve Sparks, KB5RSY, Activity Mgr... 251-7791

Committees & Positions

Ed Golla, K3AHS, Technical 255-4818
Joe Fisher, K5EJL, ARES Coord. 926-4689
Steve Means, N5PSW, A/Over Ed. 452-7240
Hal Henegar, W5MDL, P.I.O. 836-2012

The Austin Amateur Radio Club, Inc., 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. Membership dues are \$6 per calendar year (\$10 for a family). Please contact an officer if you would like to join the club, and come on down to the next meeting.

VP Gore In Charge of

Telecommunications Policy

The Clinton Administration plans to put Vice President Al Gore in charge of telecommunications policy and a governmental effort to oversee a massive overhaul in the nation's technological competitiveness, in part through an up-grade of the telecommunications infrastructure. President Clinton also has called for a door-to-door fiber optic system. There is already all sorts of speculation as to who will head up the FCC. W5YI Report

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Members are encouraged to submit material for publication... mail to the Editor at 4800 Caswell, Austin 78751, or upload to Balcones Fault Line BBS at 452-2135. Submissions may be edited for format, style and suitability. Deadline for the next issue is the 14th of this month. Late material will be saved for later months. Permission granted to reprint AARC/Over.

Call cliches

I often wonder about several cliches continually heard on the phone bands.

Callsign - for I.D." - I'm waiting to hear a good reason other than identification for giving one's callsign.

"Roger, Roger" with the apparent intent of saying "yes." "Roger" or "R" means "all received" and does not mean "yes" or "agree", etc. Is there anything wrong with a simple "yes"?

"QSL" to mean something, I'm not quite sure what, but I sort of think "received OK." But when someone asks me if I "QSL the information" I generally tell them that I answer all cards received, preferably via Bureau.

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Call cliches (cont'd from Pg. 14)

Just for the record, I think it would sound better if we answer questions with a simple "yes" or "no" ("c" or "n" on CW) and acknowledge transmissions with a simple "R" or "Roger" or (why not?) "Received all."

Finally, since "73" means "best regards," does saying "73's" make much sense? "Best regardses?" Just plain "73" is just fine. *Penn Wireless Association, PA - Worldradio, Feb. 1993*

South Austin W5YI Exam Results

The south Austin W5YI VE team heartily congratulates those who earned new amateur licenses and upgrades at its January 23rd session:

Coy G. Day, Jr.	WB5TFM	Extra
Hans J. Slawik	KB5WZR	Advanced
David C. Sprague	New License	Tech. Plus

The administering VE's included:

Charlie Eichenbaum	- WB5HOI
Jim Greenwood	- AB5EK
Emil Kasprzyk	- KC5IZ
Tom Rohrer	- AB5FH
Bro. Donard Steffes, CSC	- KD9WI

The next session, March 20, will be held in rm. 101, Fleck Hall on the St. Edward's Univ. campus. Contact Jim Greenwood, 327-6184 for more information.

Calendar

Mar 2...	Austin Rptr. Organization meets
Mar 6...	Ham exams, 8:30 AM, Murchison
Mar 6...	Skywarn U93 at 3M
Mar 6-7...	Intl DX Contest, phone
Mar 6-7...	1993 TAPR Meeting, Tuscon
Mar 9...	Austin ARC Meeting, Luby's
Mar 12-14...	Midland Swapfest
Mar 16...	Austin Amateur TV Club
Mar 20...	QCWA, 11:30, Wyatt's
Mar 20...	South Austin W5YI Exams
Mar 23...	ACC ARC meets (495-7186)
Mar 27...	Weatherford Hamfest
Mar 28...	Capitol 10K footrace
Mar 30...	ARES meeting at Luby's
Apr 3...	Ham exams, 8:30 AM, Murchison
Apr 5...	144 MHz Sprint
Apr 6...	Austin Rptr. Organization meets

Weekly Events

ARES Net...	Sundays, 6:30 PM, 146.94 MHz
ARES Net...	Sundays, 8:30 PM, 146.78 MHz
SwapNet, NewsLine...	Sun., 9 PM, 146.94
Lunch...	Thursdays @ Holiday House #4
U.T. Net...	Thursdays, 7 PM, 145.21 MHz
QCWA Net...	Thursdays, 8:15 PM, 147.18
Breakfast...	Saturdays, Simon David Deli
521 Trade/Tech Net...	Sat., 9 PM, 145.21
WeatherNet...	as needed, 146.94 MHz

