



AARC OVER

Bulletin of Austin Amateur Radio Clubs

Austin Amateur Radio Club
Austin Amateur Television Club
Austin Repeater Organization

June 1993

ISSN 1067-0262

High Definition Television Report

On Oct. 16, 1992, the FCC's Advanced TV Advisory Committee considering a new HDTV standard, released a report on the Advanced Television Docket. Contrary to what a company called Future Images Today (FIT) believes, the committee says they are not precluded from selecting a high definition television broadcast medium that requires new receivers...nor must they mandate dual-mode (HDTV/NTSC) television sets. The advisory committee says they do not want to overly or prematurely burden consumers with unnecessary TV set components and capabilities.

FIT is the company created by Amateur TV enthusiast, Leo Zucker, K2LZ, of White Plains, NY. Zucker has developed an HDTV system that can be received on conventional 525-line NTSC television sets by transmitting signals with dual polarity. K2LZ believes the All Channel Receiver Act requires that any new HDTV system must be compatible with existing receivers. The ATV committee notes that FIT has yet to submit documentation showing the system "...offers important new benefits." K2LZ said he submitted it nearly two years ago. He is presently looking for an RF communications company that would like to build a working model in exchange for patent rights.

W5YI Report

Cellular Phone Spying Fine

A Norfolk, Virginia, resident was sentenced to 30 days in a halfway house and fined 500 dollars after admitting to monitoring and recording a cellular phone conversation.

As we all know, the monitoring of cellular phone calls was made illegal by the Electronic Communications Privacy Act. (Continued on Pg.8)

Club Meetings

Austin Repeater Organization

meets on Tuesday, June 1, 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, June 8, 7:30 to 8:30 PM, at Luby's on North Loop.

Austin Amateur Television Club

will meet on Tuesday, June 15, 7:30 to 8:30 PM, at Luby's Cafeteria.

Austin QCWA

meets on Saturday, June 19, 11:30 AM, at Wyatts Cafeteria, Hancock Center.

ARO Monitor



PO Box 4763, Austin, Texas 78765

Amateur Radio Club

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(N5MNV) 255-6753 |
| Secretary | Paul Parker(N5ZLX) 467-7070 |
| Treasurer | Tenia Kinney (KA5TXK) 442-8427 |
| Newsletter Editor | Your name here? ???-???? |

Minutes from the May 4, 1993 meeting.

The meeting was called to order by President Phil Steinbach [WB5SUR] at 7:30 PM at Luby's North Loop Cafeteria. There were 78 people in attendance.

Guests and visitors were introduced.

Approval of the minutes of the April 6 regular meeting was delayed until the next meeting so that members can review the minutes as published in the May 1993 "BULLETIN OF AUSTIN AMATEUR RADIO CLUBS" (AARCOVER)/(ARO MONITOR).

The treasurer tennia [KA5TXX] reported a checking account balance of \$5,887.48.

The engineers reported all equipment was operating ok except the digipeater.

Activities Reported included:

The antenna analyzer has been ordered but has not been received.

A transmitter hunt is scheduled for Saturday May 8.

Fun and fellowship BBQ May 15 Lyons Park Wimberly proceeds to help restore the Wimt repeater function.

Hal Henegar [W5MDL] relayed the appreciation of North Austin Civic Association for the Austin Repeater Organization's participation in the Annual Quail Creek Spring Festival.

An abbreviated Novice/Tech. class will begin the first Saturday in June at Murchison Jr. High School.

Unfinished business:

There was no unfinished business.

New business:

A motion was made, seconded and carried to spend \$1100 for packet weather station equipment to be installed in a station near highway 620 and Mansfield Dam. Jon Penner [N5MHI] will coordinate the project.

Meeting adjourned at 7:48 PM.

Submitted by Paul Parker [N5ZLX] Secretary

Next Meeting

The next ARO meeting will be June 1.

Transmitter Hunt

The next transmitter hunt is scheduled for June 5, but since that is the weekend of HamComm, the hunt will probably be held on June 12. Check on the 146.94 repeater for further information. The hunts start at 7:00 PM on 146.52 with coordination on 146.94. The first hunt is usually a walk-up hunt.

Editor Needed

We still need an editor for the **Monitor**. If you have an interest in publishing, please contact a club officer or director. Until an editor is found, the Monitor will be quite small.

UHF Expansion Plan Approved

Merle Taylor WB5EPI

Members present at the College Station Winter Meeting, approved a portion of the UHF expansion band plan. The approved portion includes the low power voice repeaters, wide band duplex packet and narrow band digital pairs. The frequencies approved are as follows:

LOW POWER REPEATER (BACKYARD REPEATERS)

| Output | Input |
|---------------|--------------|
| 441.975 | 446.975 |
| 441.950 | 446.950 |
| 441.925 | 446.925 |
| 441.900 | 446.900 |
| 441.875 | 446.875 |
| 441.850 | 446.850 |
| 441.825 | 446.825 |
| 441.800 | 446.800 |
| 441.775 | 446.775 |
| 441.750 | 446.750 |
| 441.725 | 446.725 |
| 441.700 | 446.700 |
| 441.675 | 446.675 |
| 441.650 | 446.650 |
| 441.625 | 446.625 |
| 441.600 | 446.600 |
| 441.575 | 446.575 |
| 441.550 | 446.550 |
| 441.525 | 446.525 |
| 441.500 | 446.500 |

DIGITAL NARROW BAND (PACKET, DIGITAL VOICE, ETC...)

| Output | Input |
|---------------|--------------|
| 440.275 | 445.725 |
| 440.700 | 445.700 |
| 440.675 | 445.675 |
| 440.650 | 445.650 |
| 440.625 | 445.625 |
| 440.600 | 445.600 |
| 440.575 | 445.575 |
| 440.550 | 445.550 |
| 440.525 | 445.525 |

DIGITAL WIDE BAND PACKET

| Output | Input |
|---------------|--------------------------------------|
| 440.500 | 445.500 { <i>The intention is to</i> |
| | <i>subdivide into 50 and</i> |
| 440.000 | 445.000 <i>or 100 KHz channels</i> |
| | <i>for wide band packet.}</i> |

The low power repeater band was designed for those inspired repeater builders who just wanted to "play". These systems will follow the same guidelines as the 145.25 and 444.975 channels, the shared experimental channels. The only exception to the shared channel guidelines will be the co-channel spacing. Instead of the 0 mile spacing, these low power channels will have a minimum of 50 mile spacing between the next co-channel system. The other rules of 100' maximum elevation and 100 watts erp will be observed. These new channels are expected to become very active with numerous remote base operations and computerized "whistle and bells".

(Continued on pg. 6)

AARC Over

AUSTIN AMATEUR RADIO CLUB MEETING

Jim Neely, WA5LHS, President, brought the meeting to order on May 11, 1993, at 7:30 pm at Luby's cafeteria on North Loop.

VISITORS: Our visitors included Cheryl, N5VBQ, Bob, AA5ZG, Al, N5YPV, and Zane, N5UMM.

MINUTES: The minutes of the April 13, 1993, meeting were approved as printed in the AARC/OVER.

OFFICER REPORTS: Dave Marschall, KG5ND, Treasurer, reported that the checking account balance was \$4332.87 and the postal account balance was \$209.77. Ed Goola, K3AHS, Technical Committee Chairman, reported that everything was OK with the Club's 146.78 MHz repeater. Due to the absence of Steve Sparks, KB5RSY, Activities Chairman, President Neely gave the activities report. Steve needs three station captains for Field Day, June 26 & 27. The stations are Novice, HF and Packet. If Steve does not get volunteers, he will make phone calls and draft.

NEW MEMBERS: None.

OLD BUSINESS: None.

NEW BUSINESS: President Neely read a thank you letter from the North Austin Civic Association regarding a ham radio exhibit at Lanier High School on May 1.

ANNOUNCEMENTS: Cheryl, N5VBQ, thanked the hams that had assisted her with communications at the Hands On Housing event. She also announced that she and her husband, Bob, AA5ZG, have started a new service for hams that uses voice mail to list used ham gear for sale. Cheryl passed out questionnaires to assist them in this new endeavor.

Rick, K5FNI, looked for ARES recruits.

Hal, W5MDL, announced that QCWA would meet the following Saturday at this Luby's at 11:30 AM. QCWA would do something for Field Day this year.

President Neely reminded the Club that there was limited seating at the Packet Seminar at Apple computers.

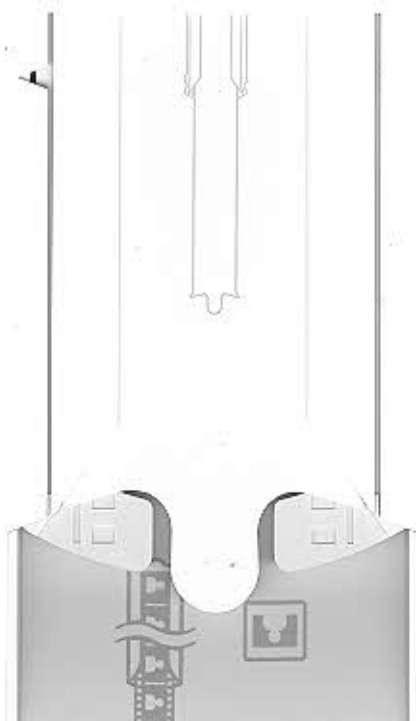
It was moved and seconded to adjourn. The motion carried and President Neely adjourned the meeting at 7:41 PM.

PROGRAM: After adjourning, President Neely introduced our guest speaker because Rod, W0NDS, our Vice president reportedly was on a business trip to Germany to sample the brews. Our speaker was Bill Howard, a retired engineer from NBC. Bill discussed the contributions of three early pioneers to the development of radio and broadcasting. Lee DeForest invented the vacuum tube. Edwin Armstrong developed the regenerative receiver, the superhet receiver and the FM process of transmitting and receiving voice. David Sarnoff organized NBC and was instrumental in developing commercial TV both color and black and white.

Respectfully submitted,

John Weber, KF5OY

Secretary



Huck's Country Store

I Need More Power and a Taller Antenna

At some point in life every amateur radio operator concludes that a taller antenna and more power is the solution to all communication problems. I've been there; and its not a technical need at all. However, it sure is good for our personal ego.

A few days ago I talked to a station who claimed a rotatable dipole on top of an 85 ft. tower and 1500 watts of power. He sure proud of a fine outlay of equipment. And guess what? The band was full of signals from little hundred watt rigs that were reading a similar strength on my S-meter. What was the problem? Really there was no problem. He could no doubt make contacts under marginal conditions, when some of the others could not.

In my early days in amateur radio a number of countries had a 100 watt power limit. As I remember, Australia and New Zealand were in that group. We, Americans, had access to all of the Military Post WW-II gear and most DX-ers were running at least 1-KW on their "tired meters. And those DX stations were covering the same miles in the same QSO with similar readability?

So what's the point? It boils down to this: If your antenna is resonant, it will work quit well regardless of height, type, or power. I'm not against a good antenna; but I want to assure everyone that a simple antenna can work well.

Try this test: Tune over the bands and look at the success of low power rigs in automobiles with a simple whip antenna. When we spend the effort to fine-tune our house antenna, it is amazing how well it will perform!

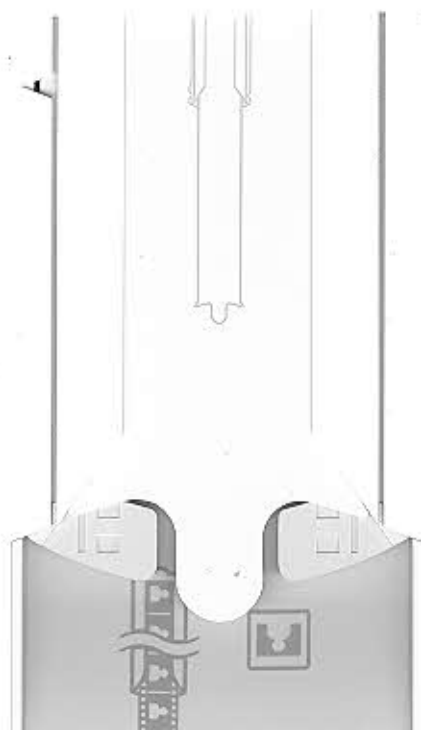
Add to the foregoing an extra portion of distinct speech, courtesy, and good operating practice. You will suddenly find the rig you have and its fine-tuned antenna will excel over lots of High-Dollar, High-Powered gear!

de Old Huck AA5BU

UHF Expansion Plan... (Cont'd from Pg. 4)

The other 750 KHz of newly assigned frequencies are allocated to packet and digital modes of communications. Even though these channels have been approved for occupancy, the specific method of coordination is still the discussion mode. The 10 channels in the two meter band were allotted for use by the packet community by any and all. Complaints by the casual packet operator have brought to bear the idea that limited control may be required for the use of these frequencies. Currently several ideas are being "kicked around". If you have comments or suggestions please send them my way. We will probably talk about this at the forum among other things.

- de WA5RON and Texas VHF-FM Society News - Spring 1993



AARC Over

The south Austin W5YI VE team heartily congratulates the following radio amateurs who earned new licenses or upgrades at its May 15th session:

Emil F. Kasprzyk, Jr....KC5IZ.....ExtraClass
Frank W. Schulz.....N5YPZ.....Advanced
Robert M. Tufts.....WA3GUE...Advanced
David F. White.....-new-.....General
Thomas E. Yturri.....N5YNA.....General
Gilbert Martinez, Sr....-new-.....Tech.Plus
Peter G. Van Overen....KA5ZNB...Tech. Plus
Mark L. Enyart.....-new-.....Tech.
Troy D. Staton.....-new-.....Tech.
Michael O. Wilsher.....-new-.....Tech.

Two others earned element credit without upgrading there licenses.

The administering volunteer examiners who gave of their time to help make this session successful included:

| | |
|-------------------------|--------------------------------|
| Dick Ber, KB5BBU | Tom Rohrer, AB5FH |
| Jim Greenwood, AB5EK | Mike Ruiz, WB5WPS |
| Emil Kasprzyk, KC5IZ | Larry Taylor, WT5U |
| Scott, McCreight, AB5KS | Dr. Michael K. Williams, AA5KW |

(Special thanks to Larry Taylor, WT5U, who traveled from La Grange, TX to lend a hand.)

The next two exam sessions are scheduled for June 19th and July 17th at 2:00 PM in room 109 of Fleck Hall on the campus of St. Edward's University. For further information, call Jim at 327-6184.

AARC Information

Austin Amateur Radio Club, Inc.

Officers

Jim Neely, WASHLS, President442-4812
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 and Positions

Ed Golla, K3AHS, Technical255-4818
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. Come on down to the next meeting!

Cellular Phone... (Cont'd from pg. 1)

The frequencies to avoid are between 870.00 and 890.00 MHz.

If you should stumble into this frequency range, don't make a tape recording - it could be a costly souvenir.

W5YI Report

AARC/Over Information

ISSN 1067-0262, CODEN AAOVE3. (c) 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 are encouraged to submit material for publication... send material to the Editor at 4800 Caswell, Austin 78751 or by packet on the N5PSW BBS - 145.09 MHz. Submissions maybe 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.

Calendar

Jun 1... Austin Rptr. Org. meets
Jun 4-6... Ham-Com 93, Arlington
Jun 8 ... Austin ARC meeting at Luby's
Jun 12... Ham Exams, 8:30 AM, Murchison
Jun 12-14... ARRL VHF QSO Party
Jun 15... Austin Am. TV Club meets
Jun 19... QCWA, 11:30, Wyatts
Jun 19... South Austin W5YI Exams
Jun 26-27... Field Day
Jul 6... Austin Rptr. Organization meets
Jul 10... Ham Exams, 8:30 AM, Murchison

Weekly Events

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

