

AARCOVER

Keeping Austin Wireless
for Over 93 Years!

Bulletin of Austin Amateur Radio Clubs

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Issue 10-2013

New Firmware Released for HSMM-MESH/Broadband Hamnet

The moment many have been waiting for is now upon us. Dave AD500 has officially released the 1.0.0 Broadband-Hamnet firmware.

This new firmware is NOT backward compatible and has some significant changes upon install by default. Any nodes flashed with this new 1.0.0 will NOT talk in any way shape or form with 0.4.3 (or older) firmware. Its All or Nuthin'.

The major change you will notice is that instead of the LAN being in NAT mode, it is now in 5-host DIRECT mode (formerly called DMZ). NAT mode is still available for those who wish to switch back, but give Direct Mode a try, as it makes devices/servers easier to put out onto the mesh.

Also, this firmware now allows those who hand-craft firmware onto other manufacturers' hardware to be able to mesh back with the WRTs we have all come to know and love.

You can read the change log on the site (below the WISH LIST, don't get those confused like I just did myself...), and get the new firmware from the software download page. OR, if your node(s) have internet access, you can go to the Setup-Administration page, click REFRESH next to the Firmware Download section, then use the pull-down to pick the 1.0.0 TRX file.

(Continued on page 7)

Periodic Events

Sun	7:00 p.m.	Travis ARES net	147.36 MHz + (131.8)
Sun	8:00 p.m.	Travis ARES Packet	145.73 MHz -
Sun	8:00 p.m.	Williamson ARES net	146.64 MHz - (162.2)
Sun	9:00 p.m.	ARO Swapnet	146.94 MHz -
Sun	(After Swapnet)	Newsline	146.94 MHz -
Mon.	7:30 p.m.	STX ARES Net	3.873 MHz
Tues.	7:30 p.m.	Hays ARES net	444.150 + (114.8)
Tues.	8:00 p.m.	Bastrop ARES Net	443.750 + (114.8)
Wed	11:30 a.m.	Ham Social Luncheon, Jim's	146.94 MHz -
Thu	9:00 p.m.	2m SSB Net	144.250 (USB)
Thu	11:00 a.m.	Lunch, Pokey Joe's 183&Great Hills	444.1 MHz+
Fri	8:00 p.m.	6m SSB Net	50.230(texasvhf.org/)
Sat	7:00 - 8:30a.m.	Breakfast @ Waterloo Ice House	444.1 MHz +
Sat	9:00 a.m.	Chapter 67 QCWA QSO Net.	3.920 MHz LSB
Daily	6:30 p.m.	Central Texas Traffic Net	147.14MHz+

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Ham Radio Exams Results

The following are the results of the ARRL VE Test Session held on September 7th at Bethany United Methodist Church:

Technician Class Licenses Processed

Paul E. Bradshaw KF5YFL	John P. Cook KF5YFP	Darrel V. Holmquist KF5YFK
Aaron J. Majors KF5YFN	James P. Mikulak KF5YFQ	Samuel K. Randall III KF5YFM
Jimmy L. Small KF5YFO	Steven R. Svoboda KF5YFI	Clark C. Watts KF5YFJ

General Class Licenses Processed

Gary E. Potts KF5YFS	James L. Strickland KF5YFR	Stephen J. Vancura KF5WZW
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Extra Class Licenses Processed

George B. Keith, Jr. AF5MG	Joe C. St. Clair AF5MH	Gaylene R. Tunison KF5VYM
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Examiners Participating in this Test Session

Milt Cram W8NUE	Larry Gunter WB5BEK	Jack Hendrickson K5JDH
Joe Makeever W5HS	Matt Porcher WY5Y	Joe Thiel N5SMN

Next ARRL VE Test Sessions

October 12th - Bethany United Methodist Church, Disciple Bldg. Room 203/2004
November 2nd - Bethany United Methodist Church, Disciple Bldg. Room 203/204

TNX ES 73 DE W5HS

Joe

9-22-2013

The South Austin W5YI VE team heartily congratulates the following people who earned new or upgraded amateur radio licenses at our September 21st session:

Extra Class –

Anthony Amaro, Jr. KE5OPO
Victor Skinner, N5VPC

General Class –

Wendel Leibe, (new)
Louie Soefie, KF5WZV

Technician Class - (new)

William Bright
John Cole
Matthew Harvey
Jared Jensen
Barry Presley
Neil Smith

Our administering volunteer examiners were:

Craig Bean, AC5KW	Wally Marusa, K5WLY
Scott Bryan, W5TS	Gary Popp, AE5JR

Our next two amateur radio exam sessions will start at
2 PM on October 19th and November 16th in
Fleck Hall, room 118 on the campus of St. Edward's University.

All sessions are walk-in and the exam fee is \$14.

Bring two forms of ID (one with your picture) & a copy of your license, if upgrading.

For additional information regarding our amateur radio examination sessions,
please contact Craig, AC5KW at [\(512\) 474-6443](tel:5124746443) or by e-mail to

hamradioexams@hotmail.com or visit our web page at
<http://texashams.org/w5yi-austin/>

Austin Amateur Radio Club, Inc., PO BOX 4739, AUSTIN TX 78765-4739, Web site: <http://www.austinhams.org>

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Treasurer	Jay Hoffman	KA5OST		treasurer@austinhams.org
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ARRL Travis Co. Emer. Coord.	Don Dudley	AC5YK	512-680-0498	ac5yk @ arrl.net
TC ARES PIO	Steven Polunsky	W5SMP		tcares-pio@gmail.net

Please contact a club officer, attend a meeting, mail us to join the organization, you can also join or renew online.

The Austin Amateur Radio Club, Inc. (AARC) has annual membership dues of \$20.00 per person or \$30.00 per family. AARC maintains the following repeaters:

FREQUENCY	AUTOPATCH	USE
146.780	No	
146.880	Yes	General
146.940 107.2 PL Tone	No	Most popular, WX, Swapnet & Newslite
224.800	No	
444.100	No	
440.650 +5	No	70cm D-Star Repeater [W5KA]
146.480/+1.0	No	2m D-Star Repeater [W5KA C]
1293.200/-20	No	23cm D-Star Repeater[W5KA A]
1248.200	No	23cm D-Star DD (data, simplex/reversible) [W5KA A]

Persons using the repeaters are asked to join the club to help support these valuable resources. To use the autopatch, announce your call sign, press * and dial the phone number then release the PTT. When finished, press # to hang up the phone. Dial 911 (no * needed) for emergency services.

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Members and other readers are encouraged to submit material for publication. Call Mitch London, if mailed submissions are required. Electronic files are encouraged! Submissions may be edited for publication. **Deadline is the 22nd of the month.**

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"XYL" is printed with permission by Carolyn Canfield, KE5DTS. Cartoons may not be reprinted without written permission.

For Changes in your ADDRESS, PHONE NUMBER or CALL SIGN:

See Jay Hoffman, KA5OST

ka5ost@arrl.net

Jay handles all changes for membership information .

Yahoo! Party Foul

Until further notice, in order to read the SWAPNET newsletter go to <http://austinhams.org/swapnet.htm> and click on the link.

For a very long time, one of the Yahoo! Group moderators has had to go into the Group Admin site and approve the SWAPNET email as it was flagged as possible SPAM. Several weeks ago, Yahoo! implemented some "upgrades" and broke the system further. There is no way to release posts that have been flagged as possible SPAM.

You can also subscribe to the SWPANET list to have the document delivered to your email by sending an email to:

swapnet-subscribe@austinhams.org

Sorry for the inconvenience.

Ghostbusters-like crew of amateur radio operators help in emergencies

Forwarded by Juanita Miyasaki, KD5OIE

Better known as hams, these are hobbyists who spend their days toiling as divorce attorneys, software engineers or drone- helicopter designers. During their free time, they serve as experts in [old-school communications technology](#) that rides on radio frequencies referred to as the amateur band.

On Friday afternoon, about 65 volunteer ham radio operators were stationed at emergency operations centers, or EOCs, and shelters along the Front Range . Some started helping just as the Colorado floods hit Thursday, and a couple hundred hams have been rotating shifts.

"From Colorado Springs all the way up to Fort Collins , we've had hams involved at each EOC and the state EOC," said Jack Ciaccia, Colorado section manager for the American Radio Relay League, the national association of amateur radio operators. "We've looped them all together via ham radio, and we've linked all of the shelters that we had access to via ham radio. In some cases, like in Lyons , in James- town, in Estes Park , ham radio has been primarily the only communications in and out for a while."

Ciaccia, who manned the Boulder County station Friday, said there are several thousand licensed hams in Colorado . About 700 are members of the Amateur Radio Emergency Service, which provides support during [floods, fires and other disasters](#).

"We've been active literally since the forecast came out two days ago," said Robert Wareham, section emergency coordinator for [Colorado ARES](#). "The state and local governments couldn't afford to have us on payroll, but when disaster strikes, they find us indispensable."

More than 50 repeater systems are installed along the Front Range , atop mountain peaks and commercial towers, enabling communications among 5-watt handheld radios and other equipment.

"We can tie multiple repeaters together so we can cover a wide area," Wareham said. "The real magic of amateur radio is we can put together things very quickly."

If there are areas with insufficient coverage, Wareham said hams could get a portable repeater system up and running in as little as 30 minutes.

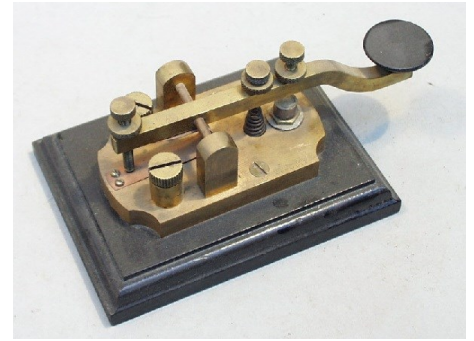
"During the High Park fire, several of our people worked with the Forest Service and assisted them in setting up their own repeaters out on various mountain peaks because we knew the area, and we also know how to set up the technology equipment," he said.

The Mile High Chapter of the Red Cross sought assistance from ARES on Friday and lauded the group's help.

"We are very fortunate ... to have a representative from the Denver Amateur Radio Emergency Service here, volunteering his expertise and service 24/7," said Elisa DiTrollo, a volunteer spokeswoman for the Red Cross in Denver . "He is monitoring traffic and shelters, and staying in regular contact with the state EOC."

Silent Keys

Wayne S. Green II, W2NSD ("Never Say Die"), of Hancock, New Hampshire, died September 13. He was 91. A well-known and often outspoken figure during what some consider Amateur Radio's golden years in the 1950s and 1960s, Green helmed CQ Magazine for 5 years before becoming the self-proclaimed "El Supremo and Founder" in 1960 of 73 magazine, which he published until 2003.



"The purpose of [73] at that time was to get more hams building equipment," Green recounted in a radio interview several years ago.

A hallmark of 73 was Green's iconic, rambling, and wide-ranging "Never Say Die" editorials, in which he rarely missed an opportunity to tweak the ARRL and his magazine competitors for their perceived shortcomings. In 2012 Green contributed back issues of 73 to Internet Archive.

"Wayne will be remembered in many different ways by many different people, but he will be long remembered," said ARRL CEO David Sumner, K1ZZ. "He maintained his membership in the ARRL despite being a persistent critic. In the early days of packet radio he gave me some good advice as to how the ARRL should promote the new technology: 'Talk about it as if everybody's doing it, and eventually they will be.'"

Indeed, Green often was ahead of the curve in promoting such technologies as single-sideband phone, solid-state, FM, and the marriage of computers and ham radio, and he went on to found and publish Byte and other computer-oriented publications. "I live mostly in the future," Green was quoted as saying.

Former ARRL Contributing Editor Stan Horzepa, WA1LOU, once wrote in his "Surfin'" web column, "We take computers and the Internet for granted today. I first became interested in computers when Wayne Green, W2NSD, started writing about them in 73 magazine in the 1970s. Back then, you had to build your own from scratch or from kits."

Green maintained a larger-than-life presence, even in the years after he faded from the Amateur Radio spotlight, and he never did really retire. "Hey old buddy, I will miss you," radio talk show host Art Bell, W6OBB, posted to Wayne Green's blog. "NEVER SAY DIE is a phrase that will be with me till it's my time." Green was an occasional guest on Bell's "Coast to Coast AM" overnight talk program. There hardly was an issue that Green would not confront, and he expounded a variety of unconventional science, health, and medical theories - from cold fusion and the moon landing to AIDS and cancer cures. He continued to write and speak frequently on these topics and others, as well as on public policy, even at hamfests where he was a guest.

The "Final" in his blog sums up Green's overarching philosophy. "Wayne Green passed away September 13, 2013 in a peaceful, painless transition from this life on Earth. An eternal optimist, and one who loved to share his never-ending zest for life, he was a friend to many and will be missed greatly. Wayne was not afraid of dying and was very much ready to embark on his next great adventure to the afterlife."

AARC General Meeting:

Officers Present:

Lori Schmidt Rich Kerschner Jay Hoffman Jorge Harada

Start time not recorded - approximately at 19:00

Total in attendance: 51

Meeting was delayed due to technical difficulty.

Solar weather by Lew Thompson: Highlights included double peak for solar cycle 24, and 10-meter opening during the weekend (critical frequency was at 30mhz!) and re-emphasized the importance of learning how to read the basic ionosonde data.

Presentation about Texas history by Jeffrey Stuart Kerr, author of Seat Of Empire, the Embattled History of Austin's Birth

Meeting next month will be as usually scheduled.

Birthday announcements: Two had a Birthday

Visitors: Michael Gray - no call

New Hams: None

New Members: None

Upgrades: None

Call sign changes: None

Approval of Minutes: All approved

Announcements:

Past Events - Summerfest

Hope all had a great Labor Day!

Upcoming Events:

XMAS party Dec 3rd Catfish Parlor, \$20 pp. You can pay on the website, Jay will be happy to start taking reservations. Early reservations recommended, as capacity will be limited to 80.

No local MINI-MAKER faire for the area for the rest of the year

Sept 8th Tour De Cure. - All operator needs have been met, but no volunteers will be turned away. Contact Jeff N5MNW@arrl.net for further info.

Oct 4-5: Belton Hamfest

2014 Dues are due

AARC T-shirts and polos available

Committee Reports:

ARES voice net, currently have no ARES coordinator. ARES net will continue on Sundays, both packet and voice. TCARES needs an EC coordinator, contact Don Dudley.

Officer Reports:

Lori - none Rich - none Jay - none Jorge - check out the ARRL books from the library

Committee Reports:

Editor - Send Mitch articles Technical Stuart - None ARES - see above
HSMM MESH - meeting 4th Wednesday 7pm at the tech. 146.520 will be monitored simplex for entry into the building
AARC Ladies—None Other SIGS— None

Old Business: None
New Business: None

HOTM: Jeff..N5MNV

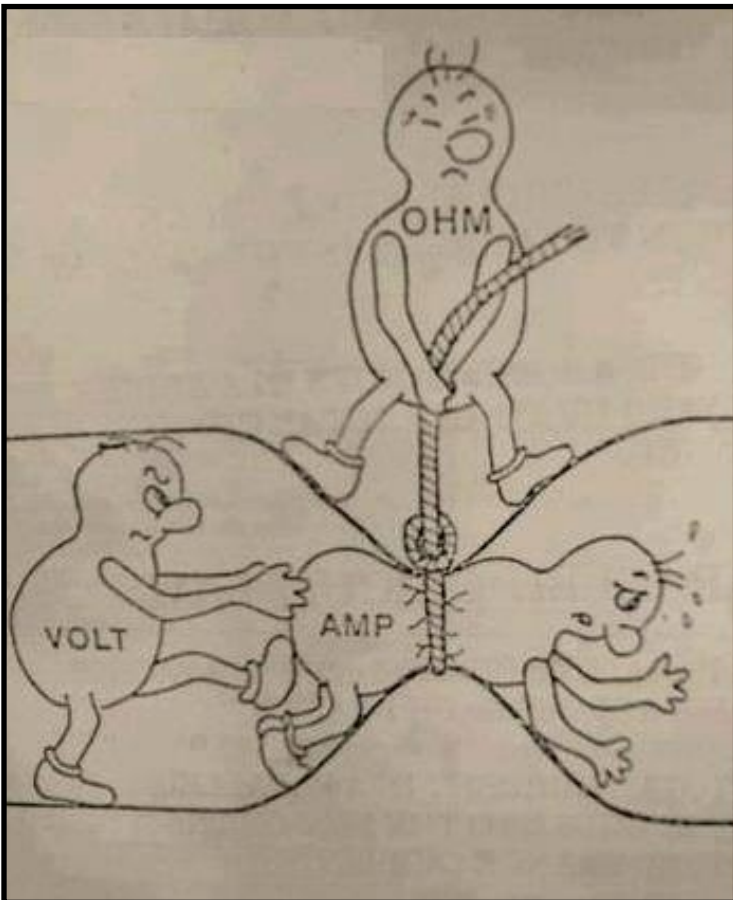
Nominate someone at austinhams.org. If someone helps you out on the air, or is nice to you or does something for ham radio, nominate them!

Door Prizes:

1. Mini flashlight: Ed Cates ke5twu
2. Coffee Mug with coupon for 7-11 refills: Juanita Miyasaki KD5OIE

Next AARC General Meeting October 1st, 7pm

Meeting adjourned: 8:46pm



Forwarded by Juanita Miyasaki, KD5OIE

(Continued from page 1) HSMM MESH

IF you have mesh nodes already at 0.4.3, you can just choose the generic TRX file without needing to use the hardware-specific BIN files.

But remember, this is a FULL flash: You WILL need to setup as if from scratch (set the nodename and new passwords) once you flash. If you have any services running on a node, backup in some way any customized settings before flashing (dummy me lost a custom script I wrote on one node because I forgot to copy it off the node to somewhere else before I flashed it---LEARN FROM MY MISTAKE!BACKUP BACKUP BACKUP)

I HIGHLY suggest you read the documentation again to refresh your memory, and if you have any questions, the Documentation on the site, Help files, and forums are a great place to start.

Happy Meshing!
Jim
K5KTF

The Austin Amateur Radio Club Christmas Party is on Dec 3, 2013

All are Hams WELCOME – You need not be a club member!

AARC Christmas Party

Dec 3, 2013 – 6:00 PM

Catfish Parlor - SOUTH

4705 East Ben White, Austin, Texas

· Live Entertainment from Ruby Dee and the Snakehandlers

· Door Prizes

· HOTY (Ham of the Year) Award Presentation

· Door Prizes

· Great Food – Choice of fried catfish, chicken fried steak or Grilled Tilapia and all the trimmings

· Door Prizes

· QLF (left foot) Morse Code Contest

· Cash Bar

· GRAND PRIZE – TBA

\$20 per person includes: Dinner and dessert, non-alcoholic beverages, tax, tip,



Free DIY parking...

Space is limited – buy your tickets by 11/30/13 PLEASE

- Online at www.austinhams.org Click on the Christmas Tree!

- By Mail: send \$20/person to AARC, PO Box 4739, Austin, TX 78763

- Or in person at a Club meeting.



AARC Meeting Info.

Waterloo Icehouse

**8600 Burnet Rd. South of 183
(Come early and have dinner!)**

Business Meeting 7:00 pm

**October 1st - Quad Copter show & live fly demo
And Solar Weather**

Officers Meeting 6:30 pm

**October 15th - Officers meetings are open
to club members.**

2013 Calendar of Events

Oct 4-5 Belton Hamfest (Fall) Talk-in 146.82(-)PL 123.0
Spring Belton Mar 28-29 (note –not- April in 2014!)
www.tarc.org/hamexpo/ www.beltonhamexpo.org/

Oct 12-13 Scout activity Mac KB5VYT Pioneer Farms
KB5VYT@texas.net

Oct 12-13 MS 150 Ride to the River bike ride. (San Antonio) Charlie KC5NKK (ATX Hams, contact Jeff N5MNW@arrl.net for Charlie's contact info)

Oct 12-13 Arizona QSO Party, sponsored by the ARRL Arizona Section and Catalina Radio Club.
<http://www.azqsoparty.org>
Gary Keck, KE7DX Arizona QSO Party Coordinator info@azqsoparty.org

Oct 19-20 JOTA- Jamboree On The Air
K2BSA will be on the air starting from the big Jamboree in July www.k2bsa.net/2013-plan/
Slide Deck on JOTA for Scouters:
www.k2bsa.net/radio-scouting-presentation/
Mentoring Brochure:
www.k2bsa.net/mentoring/
ICOM is loaning 10 stations to local councils thru 2015!
www.scouting.org/jota/station-loan.aspx

Oct 25-26 Texoma Hamarama
Ardmore Convention Center, Ardmore, OK
<http://texomahamarama.org>

Oct 25 Mamma Jamma Breast Cancer Awareness bike ride <http://ride.mammajammaride.org/ride-information/>

2013 Upcoming Amateur Exams

ARRL VEC– Oct. 12th(special day) and Nov 2nd 9a.m. at Bethany United Methodist Church. Contact Joe Makeever, W5HS (345-0800) or Joe Thiel, N5SMN (832-0450) for info. \$15 fee.

W5YI VEC- October 19th & November 16th 2p.m. in room 207, Fleck Hall, St. Edwards Univ. Contact Craig Bean, AC5KW@arrl.net, (474-6443) for more info.
<http://texashams.org/w5yi-austin/>

Upcoming Meetings...

Oct	Nov	Austin Meetings/Happenings	Time	Address
1	5	AARC Meeting Waterloo Ice House*	7:00 p.m.	8600 Burnet Rd.
19	no	QCWA Tres Amigos \$	1:30 p.m.	7535 U.S. 290
23	20	Digital Wednesday at CATRAC	7:00 p.m.	4100 Ed Bluestein Blvd.
28	25	Travis Co. REACT Jim's 183 & Burnet	7:30 p.m.	9091 Research Blvd.
22	26	Travis County A.R.E.S., ARL Auditorium	7:00 p.m.	10000 Burnet Rd.
24	28	CERT Meeting, CTECC	6:30 p.m.	5010 Old Manor Rd.
22	26	CTDXCC Meeting Old Quarry Library	6:30 p.m.	7051 Village Ctr Dr.

**AARC Business Meeting is at Waterloo Ice House Come early and grab dinner before the meeting.*

% New Meeting Location for ATV

\$ QCWA Now meets quarterly visit <http://www.qcwa.org/chapter067.htm> for info