

AARC OVER

*Keeping
Austin
Wireless*

*for
100
Years!*



AARC

Bulletin of the
Austin Amateur Radio Club

ISSN 1067-0262

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September, 2019

Amateur Radio News

Editor

ARRL Foundation Scholarship Program is Now Accepting Applications

09/01/2019 – Applications for the 2020 ARRL Foundation Scholarship Program will be accepted between September 1 and December 31, 2019.

All applicants must be FCC-licensed radio amateurs, and many scholarships have other specific requirements, such as intended area of study, residence within a particular ARRL Division, Section or state, and license class. Applicants should review the scholarships and check off the ones for which they are eligible.

Continue reading the source article here: <http://www.arrl.org/news/arrl-foundation-scholarship-program-is-now-accepting-applications>

For more information, visit the [ARRL Foundation Scholarship Program page](#).

US Jamboree on the Air Station Registration System Now Available

08/30/2019 – A new registration system has been established for US stations planning to participate in the 2019 Scouting's Jamboree on the Air (JOTA) in October. JOTA Coordinator Jim Wilson, K5ND, said the new system will enable JOTA organizers to directly publish station information to facilitate contacts and more readily provide information to those who have registered.

Continue reading the source article here: <http://www.arrl.org/news/us-jamboree-on-the-air-station-registration-system-now-available>

The Doctor Will See You Now! Different Types of Grounds

08/29/2019 – “Different Types of Grounds” is the topic of the new (August 29) episode of the ARRL The Doctor is In (<http://www.arrl.org/doctor>) podcast. Listen...and learn!

Sponsored by DX Engineering, ARRL The Doctor is In is an informative discussion of all things technical. Listen on your computer, tablet, or smartphone — whenever and wherever you like!

Every 2 weeks, your host, QST Editor-in-Chief Steve Ford, WB8IMY, and the Doctor himself, Joel Hallas, W1ZR, will discuss a broad range of technical topics. You can also email your questions to doctor@arrl.org, and the Doctor may answer them in a future podcast.

Continue reading the source article here: <http://www.arrl.org/news/the-doctor-will-see-you-now-119>

(Continued on page 5)

HAM RADIO TEST RESULTS

AARC would like to congratulate the following individuals on their accomplishments!

The following are the results of the ARRL VE test session held on August 3rd, 2019 at Austin Summerfest 2019 in the Waterloo Room of the Crowne Plaza Hotel:

Technician Class Licenses Processed

Hayley M. Boynton KI5GAH
Raymond J. MacMath KI5GAF
Bradley K. Pahlke KI5GAC

Timothy L. Kallmer KI5GAB
Patty A. Metcalf KI5GAD

Matthew A. Lee KI5GAG
Candace A. Norris KI5GAE

General Class License Processed

Adam N. Chickering KI5GAJ
Darrell J. Klimitchek KI5GAP

Ernest J. Galvan KI5GAL
Phillip Q. Tran KI5GAI

Alex L. Hastings KI5GAK

Examiners Participating in this Test Session

Dave Anderton AE5XY
Rick Lamb W1LR

Gene Hinkle K5PA
Jim Peisker AF5NP

Mark Hunt K5NM
Roy Walker WA5YZD

Next ARRL VE Test Sessions

September 7th - Bethany United Methodist Church, Disciple Building, Room 203/204
October 12th - Bethany United Methodist Church, Disciple Building, Room 203/204

TNX ES 73 DE W5HS
Joe

The following are the results of the ARRL VE test session held on August 3rd, 2019 at Austin Summerfest 2019 in the Waterloo Room of the Crowne Plaza Hotel:

General Class License Processed

Kelly R. Scalpati KI5FTZ

Louis A. Scalpati KI5FTY

McKenna D. Wiley KG5TQA

Extra Class License Processed

Jerry G. Henry W5JGH

William L. Machmer KG5YFY

Sean M. Sinay W5SMSK

Examiners Participating in this Test Session

Joe Bryan K5BRY
Ted Iglehart KF5END

Mark Esslinger W5MAE
Joe Makeever W5HS

Larry Gunter WB5BEK
Donald Sitze AF6VA

Next ARRL VE Test Sessions

September 7th - Bethany United Methodist Church, Disciple Building, Room 203/204
October 12th - Bethany United Methodist Church, Disciple Building, Room 203/204

TNX ES 73 DE W5HS
Joe

(Continued on page 4)

HAM RADIO TEST RESULTS - CONTINUED

AARC would like to congratulate the following individuals on their accomplishments!

8/17/19

The South Austin W5YI VE team heartily congratulates the following people who earned new or upgraded amateur radio licenses at our August 17th, 2019 session:

Amateur Extra Class

William Poeppelmeyer, KI5CVF

Jamin Bickel, KI5FTW

General Class

Ronald Miller (NEW)

Monroe Fisher, III, KI5FUI

Technician Class

James Stephens, III

Robert Harrell, Jr

Henry Fleming

Marvin Smith

Wendall Marvel

Our administering volunteer examiners were:

Craig Bean, AC5KW

Wally Marusa, K5WLY

Stuart Wolfe, KF5NIX

David Dyer, AG5OS

Dale Davis, KG5DRV

Our next two amateur radio exam sessions will start at 2 PM on September 21st and October 19th in Fleck Hall, room 118 on the campus of St. Edward's University. All sessions are walk-in and the exam fee is \$14 (cash or check).

For additional information regarding our amateur radio examination sessions, please contact Craig, AC5KW at (512) 474-6443 or by e-mail to [craigmb5 /at/ gmail.com](mailto:craigmb5@atgmail.com)



Call for Articles

We're not looking for Pulitzer Prize winners here (we couldn't afford them!). But we are interested in Amateur Radio and related topics (construction techniques, electronics, etc.).

Articles can be any length, from a single page to multiple. Since we publishing online, we're not limited by printing costs. We also welcome links to websites with amateur radio materials. A short description would be appreciated.

Submissions may be edited for grammar, spelling, and to fit the current newsletter needs.

Send your material to: [editor \[at\] austinhams.org](mailto:editor@austinhams.org)

Thanks!

www.AustinHams.org

ARRL HF Band Planning Committee Reactivated to Address Spectrum Issues

In an effort to more effectively address HF digital technology issues, ARRL President Rick Roderick, K5UR, has reactivated the ARRL Board of Directors' HF Band Planning Committee. The six-member panel, chaired by First Vice President Greg Widin, K0GW, will primarily focus on spectrum allocation issues that have gained increased visibility with discussions on accommodating automatically controlled digital stations (ACDS) -- many employing Winlink email. The committee will also discuss operating frequencies for FT4, FT8, and other digital modes.

Continue reading the source article here: <http://www.arrl.org/arrlletter?issue=2019-08-29#toc02>

Efforts Continue to Enhance ARES Program, Add Resources

The ARRL Board of Directors, committees, and Headquarters administrative staff are continuing efforts to enhance the venerable Amateur Radio Emergency Service (ARES®) program. A major ARES Plan has been adopted, providing new direction going forward. In addition, a standardized training plan has been adopted, and a new [ARES Emergency Communicator Individual Task Book](#) has been approved and published.

ARRL's Introduction to Emergency Communications course -- now designated as EC-001 -- has been completed. The course is now available at no cost to any ARES registrant, and a "mentor-less" format has been added as a parallel path for completing the course.

Continue reading the source article here: <http://www.arrl.org/arrlletter?issue=2019-08-29#toc05>

Good News for Radio Amateurs

August 30, 2019. For immediate release: There has been a concern – understandably – in the Amateur community over a proposal made by France to study reallocating 144 – 146 MHz to the aeronautical navigation service at a World Radiocommunication Conference, likely in 2023, to accommodate the growing number of aircraft employing new navigation tracking and communication aids.

At the meeting of the Conference Preparatory Group of the Conseil Européen des Postes et Radiocommunication (CEPT), France modified its proposal that the International Telecommunication Union (ITU) study several frequency segments for sharing with the Aeronautical Mobile Service and withdrew the 144 to 146 MHz segment from the proposal. This welcome development was the result of an energetic and professional representation by delegates from the International Amateur Radio Union (IARU).

Continue reading the source article here: <https://www.iaru-r2.org/good-news-for-radio-amateurs>

The K7RA Solar Update

Tad Cook, K7RA, in Seattle, reports: The current stretch of spotless days is now over 3 weeks, according to [Spaceweather.com](#). [UPDATE 09/01: A new sunspot is now growing. Can I contain the excitement?! -Editor]

Source: <https://qrznow.com/the-k7ra-solar-update-17/>



AARC Meeting Info

Tuesday, September 7, 2019 / 7:00pm to 9:00pm

Location: Applied Research Laboratories
10000 Burnet Rd., Austin TX 78758

Main Presentation

Introduction to Army MARS
by Lew Thompson, W5IFQ

Solar Wx Summary

by Lew Thompson, W5IFQ

Upcoming Amateur Exams: 2019

ARRL VE - September 7th and October 12th
9 a.m. At Bethany United Methodist Church.
Room 203/204. \$15 fee. For more info, contact:
Joe Makeever, W5HS (512-345-0800)

W5YI VEC - September 21st and October 19th
2 p.m. In Room 118, Fleck Hall,
St. Edwards University. \$14 fee.
For more info, contact:
Craig, AC5KW [at] ARRL.net

2019 - Calendar of Events

Sept 6-7 50th Annual Queen Wilhelmina Hamfest

Arkansas State ARRL Convention, Queen Wilhelmina State
Park on Hwy 88- Mena, Arkansas. W5Q will be operating
on 146.500, 14.250, 7.250, and 3.950

Contact James N5AD - n5ad@att.net or 479-243-4921

www.menahamfest.net/

www.facebook.com/QWHAHamfest/

Sept 21-22: 2.3GHz+

2019 ARRL International EME (Earth-Moon-Earth) Compe-
tition. DX Contacts can be made on VHF, UHF, and above
with 100-200W and a medium to long-boom Yagi. Using
CW, Phone, or digital modes, bounce off the moon for DX!

Certificates are awarded to all stations who submit a log
with at least one QSO. Spotting assistance is allowed. Logs
must be submitted no later than 17 December 2019 2359
UTC. Send electronic logs via the web app @

<http://contests.arrl.org/arrlemescoresubmission.php>

Or paper logs to ARRL EME Contest, 225 Main St.

Newington CT 06111

Sept 28-Oct 2 WW0WWV Special Event Station

WW0WWV will be set up adjacent to the WWV transmitter
site in Fort Collins, Colorado. WWV turns 100 years old on
October 1. Round-the-clock operation will take place on
CW, SSB, and digital modes. Operations on HF bands in-
cluding 160m. Satellites Ops on SO-50, AO-91, and AO-92
and 6-meter meteor scatter. WWV Centennial Committee
website: <http://www100.com/>

Oct 4 & 5 – Belton HamEXPO! Fall

Bell County Expo Center- Belton, Texas

Admission Fee \$5 per person, includes one free raffle tick-
et (\$2 value). Children under 12 free.

<http://www.tarc.org/hamexpo>

Oct 19 – South Texas Hamfest & Electronics Expo "TEXAS' FASTEST GROWING HAMFEST"

San Patricio County Fairgrounds - Event Center.

Located at 219 W. 5th Street, Sinton, Texas.

Doors open to the Public 8:00AM - 3:00PM

southtexashamfest@gmail.com or call 361-947-5665

<http://southtexashamfest.org/> for details

Oct 19-20 – 50-1296MHz ARRL International EME (Earth- Moon-Earth) Competition

<http://contests.arrl.org/arrlemescoresubmission.php>

Also: Nov 16-17

Oct 21-25 – ARRL School Roundup

Sponsors- ARRL, its Hudson Division Education Task Force
and Long Island Mobile Amateur Radio Club (LIMARC).

Objective: To exchange QSO information with elementary,
middle, high school or college club stations. Non-school
clubs and individuals are encouraged to participate.

www.arrl.org/school-club-roundup

Stay updated on SCR. Send an email to:

SCR-L-subscribe@yahoogroups.com

Feb 1 2020 – 29th Annual Lou Withrow Austin/South Cen- tral Texas SkyWarn Basic & Advanced Training Session

9am - 4pm; Basic & Advanced Training

ACC Eastview Campus, Building 8500

3400 Webberville Rd, Austin TX 78702

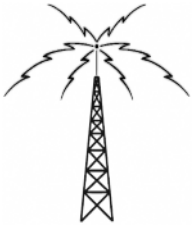
Hosted by Troy Kimmel, KE5BCK

<http://www.la.utexas.edu/users/kimmel/skywarn.html>

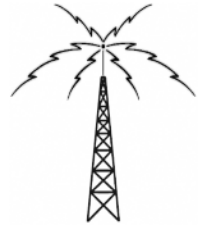
Any questions- tkimmel@austin.utexas.edu

More info & events listed in the [SwapNet Newsletter!](#)

Visit <http://austinhams.org/swapnet>



Over the WWWaves...



Stranded Texas Ham 'Saved by a Satellite'

W5PFG, Clayton, found rescue "from the sky" after his pickup truck got stuck in mud in Big Bend Nation Park. Clayton was able to make a call via the AO-92 satellite and reached KK4YEL, Kevin in Florida (who's been getting ready for Hurricane Dorian). Kevin was able to notify park authorities of the emergency and Clayton got out safe. Another fine example of "When All Else Fails"! Listen to the QSO via SpaceComms1's Twitter link -

<https://twitter.com/SpaceComms1/status/1166457304260235264>

The recording is a good example of the QSOs held via a satellite. The call for help begins at about 3:15 into the recording. Looking at Google Maps, based on the coordinates in the QSO, it's a pretty isolated area where he was stuck, definitely with no access to mobile phone coverage or radio repeaters (as is the case in most of the park).

Source: Amateur Radio Newsline - <https://www.arnewline.org/news/2019/8/29/amateur-radio-newsline-report-2183-for-friday-august-30th-2019>

Ham Radio - An End-Fed Half-Wave Antenna with Built-in Counterpoise (Experimental)

Kevin Loughin KB9RLW

YouTube video (length 19:55): <https://www.youtube.com/watch?v=MKUZsC9BZmY>

Discussion thread: <https://forums.qrz.com/index.php?threads/ham-radio-an-end-fed-half-wave-antenna-with-built-in-counterpoise-experimental.671232/>

It's Hurricane Season

September is historically the busiest month for hurricanes. Here are some [links from the ARRL](#) that may come in handy:

Amateur Radio at the National Hurricane Center

<http://w4ehw.fiu.edu/>

National Hurricane Center

<https://www.nhc.noaa.gov/>

Hurricane Watch Net

<https://hwn.org/>

Tropical Tidbits (current forecast models)

<https://www.tropicaltidbits.com/>

VOIP Hurricane Net

<http://voipwx.net/>

Red Cross Safe and Well

<https://safeandwell.communityos.org/>

Active Red Cross Shelters

http://maps.redcross.org/website/maps/ARC_Shelters.html

Ready.gov - Plan ahead for disasters

<https://www.ready.gov/>



President's Corner

What an incredible month August proved to be for the Austin Amateur Radio Club! Between Austin Summerfest and our 100 year anniversary banquet at Freda's Seafood Grille. The hamfest experienced a great turn out in attendance and was well out together. Several of you volunteered with the registration table, and on site security for the vendors.



There were great door prizes and educational sessions and the hospitality room put in by Jeff (NMNW) and Lori (KM5MQ) was as great as ever. Thank you for those of you who volunteered your time to help make this the success that it was.

Former FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth, K4ZDH, was our guest speaker as we celebrated AARC's 100 year anniversary and delivered an informative and entertaining message. It was a great turn out and I want to thank each of you who participated. I trust each of you thoroughly enjoyed the fine dining meal that Freda's put together for us. I also trust that you are enjoying the

goodie bag that Lori (KM5MQ) put together which was included with the purchase of your banquet ticket. And also included our 100 year anniversary club t-shirt. I also

appreciate that all of our officers attended as well as many of the past club presidents. Kudos to Lori and Lee (W5LHC) for all of their work that went into this celebration. And thank you Jeff (N5MNW) for your hard work as well.

The next big club get together will be our annual Christmas party and after Lori takes a well deserved break, she will get busy planning it for the club. Stay tuned for details soon.

73 DE WB5WTF

Ruben



Just For Fun...

Word Search

Can you find all the words listed below in this puzzle? The words are taken from articles, news, events, or *anywhere* in this newsletter. Can you find them in this newsletter?

E V A A O W Z X A H P C A L L
 C F S D K T D T U D O X Y U M
 N G R O U N D R E U W W T U S
 E P S I V X R P N Z D Y R K F
 R K I L Z I O T M X B T E C P
 E L C H C C E H I U C D B N A
 F R P A S R S A T E L L I T E
 N X N E P R T G P Z Q C L O Y
 O E L O Y R A S R E V I N N A
 C E I G G N I L E D O M O M X
 T S K Y A Q K W O S I O I O G
 E J A M B O R E E H L L W S R
 Y C N E G R E M E L C H Z C G
 P Q F H T W S J A V T S W O V
 C J Y C E S O B O C J N F W T

ANNIVERSARY
 BALLOON
 CONFERENCE
 COUNTERPOISE
 EMERGENCY

GROUND
 HURRICANE
 JAMBOREE
 LIBERTY
 MODELING

MOSCOW
 SATELLITE
 SCHOLARSHIP
 SPECTRUM
 TELESCOPE

This Month In Radio History

1915-09-29 – 1st transcontinental radio telephone message is sent

1922-09-17 – Radio Moscow begins transmitting (12 KWs - most powerful station)

1936-09-29 – Radio used for 1st time for a presidential campaign

2016-09-25 – World's largest radio telescope at 500m wide in Guizhou Province, China begins operating

Source: <https://www.onthistoday.com/literature/radio>

Action on the Airwaves

Looking for something new to do this new year?
 This is just a *sample* of the special events stations.
 Check out more [activities on the air!](#)

09/13/2019 | K4MIA - National POW MIA Recognition Day
 Sep 13-Sep 22, 0000Z-2359Z, K4MIA, Loxahatchee, FL. PBSE . 18.150 14.265 7.180. QSL. Michael Bald, 6758 Hall Blvd, Loxahatchee, FL 33470. Observances of National POW MIA Recognition Day are held across this country on the third Friday in September each year. This year it will be on September 20. This will be the 11th year this special event station has been activated. The day was established to honor our prisoners of war and those who are still missing in action. There will be sister stations K4MIA/5 K4MIA/7 K4MIA/8 in operation some days. Also contacts will be made on the LEO satellites and digital modes. See QRZ for a copy of this years QSL and for additional information. Because of volume of requests you MUST SEND SASE to get a returned QSL. Please take time to remember our POW's and MIA's as well as their families <https://www.qrz.com/db/k4mia>

09/14/2019 | Commemorative Air Force AIRSHO 2019
 Sep 14-Sep 15, 1330Z-1930Z, W5CAF, Midland, TX. Midland Amateur Radio Club . 14.245 7.265. QSL. Midland Amateur Radio Club, P.O. Box 7532, Midland, TX 79708. This special event station will be on the air in conjunction with the CAF AIRSHO 2019 held at the Midland International Air and Space Port in Midland, TX. The AIRSHO displays flying and static World War II era aircraft. There is also an assortment of more modern aircraft. <https://w5qgg.org/wp/>

09/16/2019 | Saving of The Liberty Bell
 Sep 16-Sep 25, 0000Z-2359Z, W3L, Harleysville, PA. WV2M. 14.240 14.074 7.240 7.074. QSL. Frank Gallo, 106 Tweed Way, Harleysville, PA 19438. <http://www.w3l.info/>
 Special event station W3L ("Washington 3 Liberty") will be operational from September 16 - September 25, 2019 to commemorate the saving of the Liberty Bell from British capture that occurred from September 16 to September 25, 1777.

09/20/2019 | Plano Balloon Festival
 Sep 20-Sep 22, 1800Z-2100Z, W5P, Plano, TX. Lucas Amateur Radio Club and Plano Amateur Radio Klub. 14.307 7.255. QSL. Stan Starks, 732 Eagle Lake Ct., Allen, TX 75002. FT8 operation is also planned. Some SSB and FT8 operation is likely before and after the event. Check spotting networks for our active frequencies and modes. <https://www.qrz.com/db/w5p>

Upcoming Meetings...

Sep	Oct	Austin Meetings/Happenings	Time	Address
3	8	AARC Meeting @ Applied Research Labs.	7:00pm	10000 Burnet Rd
24	22	Travis County ARES @ Applied Rsrch Labs	7:00pm	10000 Burnet Rd
26	24	CERT Meeting @ TBD (see Link / Contact)	7:00pm	TBD
3	8	CTDXCC Meeting @ Mimi's Café	6:30pm (dinner @ 5:15pm)	10515 N Mopac Expwy NB Bldg O, Austin

If your club is listed here and has incorrect time or dates, please let us know!
Email: editor [at] austinhams.org

Periodic Events

Sun	7:00 p.m.	Travis Co. ARES net	147.360 MHz - (131.8)
	CANCELED	Travis ARES Packet (*in UNPROTO mode)	145.730 MHz
Sun	2359-Wed 2359	Travis Co. ARES WinLink Wednesday	145.730 MHz
Sun	8:00 p.m.	Williamson Co. ARES net	146.640 MHz - (162.2)
Sun	9:00 p.m.	ARO SwapNet	146.940 MHz - (107.2)
Mon	7:30 p.m.	STX ARES Net	3.873 MHz
Tue	7:30 p.m.	Hays ARES net	147.100 MHz +
Tue	8:00 p.m.	Bastrop ARES Net	443.750 MHz + (114.8)
Wed	11:30 a.m.	Ham Social Luncheon, Jim's	146.940 MHz - (107.2)
Thu	9:00 p.m.	2m SSB Net	144.250 MHz (USB)
Thu	11:00 a.m.	Lunch, Pokey Joe's 183&Great Hills	444.100 MHz+
Thu	11:45 a.m.	Lunch, Whataburger Oltorf & Burleson	146.940 - (107.2)
Fri	8:00 p.m.	6m SSB Net	50.230 (texasvhf.org/)
Sat	7:00-8:30 a.m.	Breakfast @ Waterloo Ice House	444.100 MHz +
Sat	9:00 a.m.	Chapter 67 QCWA QSO Net.	3.920 MHz LSB
Sat	7:00 p.m.	AARC Elmer Net	146.940 MHz - (107.2)
Daily	6:30 p.m.	Central Texas Traffic Net	147.140 MHz+

THIS SPACE FOR "RENT" (aka *Call For Articles*)

For "Rent"? Sort of... Rather, do you have any news of interest to the AACROVER readers. Have you run across some amateur radio related news items? How about links to homebrew projects or new equipment?

I've run out of prepared material and am interested in articles for publishing in this newsletter. Personal experiences are fantastic! Have you worked or played with a new technology - like the digital methods mentioned in this newsletter? Or maybe you're one of the more experienced operators in our community. What changes have you seen in amateur radio throughout the years?

You don't have to be a Pulitzer Prize winner to submit an article. I'll take anything, but would love to get articles that are at least two pages in length (single-spaced). Photos are great, too! Please remember, any submissions need to be free of copyrights. Creative Commons are okay, but I will need references to be able to publish them with attribution.

Thanks & 73 DE K5MSK, Editor

Minutes of the Regular Membership Meeting of August 6, 2019

The Austin Amateur Radio Club (AARC)

Meeting held at the Applied Research Laboratories, 10000 Burnet Rd., Austin TX

Ruben called the meeting to order at 19:01 with 39 members attending.

Seven new members were introduced. One upgrade to Extra Class, KI5DKN was announced.

Roger Wines reported on the recent Technician, General, and Extra classes.

Mark Jenkins gave the Treasurer's Report. There are 11 new paying members. The current roll shows 42 members have not yet paid their dues. The club has \$8,000 in Savings and \$4,200 in Checking.

Lori announced that there are 11 tickets left to the 100 Year Anniversary Banquet at Freida's on August 24.

Joe Fisher reported on a successful Summerfest with a growth in attendance.

Lew Thompson reported on Solar Weather and then gave an impressive presentation on Antenna Modeling.

The meeting adjourned at 2100.



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

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

CLUB REPEATERS

AARC maintains the following repeaters:

Frequency (MHz)	PL Tone (Hz)	Use / Notes
146.780 (-)	-	2m D-STAR repeater [W5KA C]
146.880 (-)	107.2	Analog/Digital Fusion (Yaesu)
146.940 (-)	107.2	Most popular, TCARES WxNet, SwapNet
224.800	-	-
440.650 (+5)	-	70cm D-STAR repeater [W5KA B]
444.100	-	-
444.200	107.2	-
1293.100 (-20)	-	23cm D-STAR repeater [W5KA A]
1248.200	-	23cm D-STAR DD (data, simplex/Reversible) [W5KA A]

Persons using the repeaters are encouraged to join the club to help support these valuable resources.

Note: **No** AARC repeater has **autopatch** capability any longer.

The Austin Amateur Radio Club offers annual scholarships to licensees living in Travis, Williamson, Bastrop, Hays, Blanco, Caldwell, and Burnet counties. Please see <http://austinhams.org/scholarships> for more information.

OFFICERS

President	Ruben Fuentes	WB5WTF	president [at] austinhams.org
Vice President	Lew Thompson	W5IFQ	vice-president [at] austinhams.org
Treasurer	Mark Jenkins	W5MPJ	treasurer [at] austinhams.org
Secretary	Kerby Spruiell	KG5DLD	secretary [at] austinhams.org

Other Contacts

Technical (Repeater Contact)	Roy Walker	WA5YZD	wa5yzd [at] arrl.net
ARRL Travis Co. Emer. Coord.	Michael Marks	KG5RXG	kg5rxg [at] arrl.net
TCARES PIO	Ruben Fuentes	WB5WTF	pio [at] austinhams.org
Editor, AARCOVER, website	Michael Skurka	K5MSK	editor [at] austinhams.org

* Replace [at] with @ in email addresses.

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Members and other readers are encouraged to submit original material for publication. Contact the Editor, if mailed submissions are required. Email and/or electronic files are encouraged! Submissions may be edited for publication (for content and/or space). **Deadline is usually the 25th of each month**, but late articles may be considered for future publication. Material may be used in a later issue. Unless otherwise noted, permission is granted to reprint AARCOVER articles, provided you credit the original author and the *AARCOVER*. If material from the AARCOVER is included in another publication, a courtesy copy to the Editor is appreciated.



AARC Members:

**For Changes in your ADDRESS, PHONE NUMBER or CALL SIGN
Contact: Mark Jenkins, W5MPJ / treasurer [at] austinhams.org
Mark handles all changes for membership information.**

