



AARC OVER

**Keeping Austin Wireless
for Over 96 Years!**

Bulletin of Austin Amateur Radio Club

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Issue 10-2017

Hear Ye! Year Ye! Hear Ye!

It's Election Time Again...

You guess right! It's the time of the year when AARC members are encouraged to run for office. Yes. **You!** The October meeting is when the first round of nominations occurs. That's Tuesday, October 3 this year. All officer positions are available for nominations. Incumbents may, or may not, decide to run for office again for 2018. The President is the "head honcho" who presides over and sets the tone for the club meetings. Vice President rallies the troops to get technical presentations for the meetings. The VP will also stand in for the President when necessary (i.e. preside over meetings when the President is away). The Treasurer handles the finances for



(continued on page 5)

Periodic Events

Sun	7:00 p.m.	Travis ARES net	147.36 MHz + (131.8)
Sun	8:00 p.m.	Travis ARES Packet (*in UNPROTO)	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 - (107.2)
<i>Sun</i>	<i>(After Swapnet)</i>	<i>Newsline</i>	<i>146.94 MHz - (107.2)</i>
Mon.	7:30 p.m.	STX ARES Net	3.873 MHz
Tues.	7:30 p.m.	Hays ARES net	147.100 MHz +
Tues.	8:00 p.m.	Bastrop ARES Net	443.750 MHz + (114.8)
Wed	11:30 a.m.	Ham Social Luncheon, Jim's	146.94 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	444.1 MHz+
Thu	11:45 a.m.	Lunch, Whataburger Oltorf & Burleson	146.94- (107.2)
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
Sat	7:00 p.m.	AARC Elmer Net	146.94 MHz- (107.2)
Daily	6:30 p.m.	Central Texas Traffic Net	147.14 MHz+

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Ham Radio Exams Results

The following are the results of the ARRL VE test session held on September 2, 2017 at Bethany United Methodist Church:

Technician Class Licenses Processed

Maxwell J. Bloom KG5UXU	Ryan L. Boyd KG5UXN	Han All Cha KG5UXV
Davis A. Drake KG5UXZ	Christopher T. Lee KG5UXT	Jonathan Lu KG5UXY
Miguel A. Martinez KG5UXM	Charles J. Maxwell KG5UYG	Kennedy R. Meier KG5UYA
Susan T. Minne KG5UXQ	Josefina Salazar Morales KG5UXW	William D Ross KG5UXO
Brian W. Short KG5UYH	Nola J. Stowe KG5UXR	Sarah R. Van Nattan KG5UXP
Theodore R. Van Patten KG5UXS		

General Class Licenses Processed

Norman J. Kirchner Jr KG5UXX	Andrew R. Malota KF5WOR
John R. Peek KF5ZMD	Jacqueline A. Zepper KG5UCC

Extra Class Licenses Processed

James L. Erskine AG5MS

Examiners Participating in this Test Session

Dave Anderton AE5XY	Gary Becker AF5QB	Larry Gunter WB5BEK
Gene Hinkle K5PA	Jim Kinter K5KTF	Joe Makeever W5HS

Next ARRL VE Test Sessions

October 14th - Bethany United Methodist Church, Disciple Bldg. Room 203/204

November 4th - Bethany United Methodist Church, Disciple Bldg. Room 203/204

TNX ES 73 DE W5HS

Joe

9-17-17

The South Austin W5YI VE team heartily congratulates the following people who earned new or upgraded amateur radio licenses at our September 16th session:

Amateur Extra Class

Russell Bennett, WZ5BBS

General Class

Dennis Hurtado, KG5UGD	Nicholas Moore (NEW)	Amy Fleischmann, KE5RFG
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Technician Class (NEW)

Charles Hinkle	Randelle Stephenson	Myron Mansfield
Safa Anya	Samid Ahmed	Roy Swann
Robert Singleton	Gordon Bain	Pratyush Singh
Nathan Bailey	Kevin Triplett	

Examiners Participating in this Test Session

Craig Bean, AC5KW	Sam Mihalik, KM5MY	Gary Popp, AE5JR
Albert Karch, N5OVH	Jim Matthews, KG5QFD	

Our next two amateur radio exam sessions will start at 2 PM on October 21st and November 18th in Fleck Hall, room 118 on the campus of St. Edward's University. All sessions are walk-in and the exam fee is \$14.

For additional information regarding our amateur radio examination sessions, please contact Craig, AC5KW at (512) 474-6443 or by e-mail to AC5KW @ ARRL.net



AARC Repeater News

DE WA5YZD (Roy)

Two new **Fusion DR-2X** repeaters have been put in service this week (week of Sep 24, 2017 -*Ed*). Both are at the Pickle Research Center Tower location. One replaces the old MASTR Pro repeater hardware used on 444.1. The other replaces the hardware on 146.88. For standard analog users the 444.1 machine requires 103.5 tone and the 146.88 machine requires 107.2. Antennas and feedlines are still the same. Transmitter power being fed up the feedline is approximately 45W on both repeaters.



Amateur Radio Volunteers Aiding Storm-Ravaged Puerto Rico, US Virgin Islands

09/25/2017 DE ARRL

Excerpts

Puerto Rico and the US Virgin Islands both suffered substantial damage from Hurricane Maria, although Puerto Rico took the bigger hit, and it is there that Amateur Radio has begun to fill a huge telecommunications gap. According to the FCC, service is out for 96% of the cellular telephone sites in Puerto Rico — and it's out completely for sites in 78 Puerto Rico counties. In the US Virgin Islands, the overall percentage is 66%.

[...]

Radio amateurs in Puerto Rico have been operating a brisk and busy ad hoc health-and-welfare traffic nets on 7.175 and 14.270 MHz, as has the Salvation Army Team Emergency Network (SATERN) on 14.265 MHz. Nets are handling only outgoing traffic. Resto said checking on individuals' welfare typically requires attempting to visit them in person, since telecommunications are down nearly everywhere.

[..]

Gerry Hull, W1VE, reports that Herb Perez, KK4DCX, in San German, had been operating 6 to 8 hours a day, working dozens of operators, taking numbers and calling families. "I've done at least 200 messages with him," said Hull, who has also been active on the SATERN net. Another station in Puerto Rico was operating from solar power.

[...]

US Virgin Islands Section Manager Fred Kleber, K9VV, said the USVI are in much better shape than Puerto Rico. "They really got slammed hard," he said. Kleber said he still has antennas that were not destroyed by the storm and that he can hit Puerto Rico on 2 meters from his location. He also has announced plans to deploy some 20 mesh wireless network nodes in the US Virgin Islands.

"We have used every trick in our comms bag of tricks to make stuff work," Kleber said.

Read the full article at:

<http://www.arrl.org/news/amateur-radio-volunteers-aiding-storm-ravaged-puerto-rico-us-virgin-islands>

More articles about Amateur Radio aiding Puerto Rico:

<https://www.nbcnews.com/news/latino/puerto-rico-amateur-radio-operators-are-playing-key-role-puerto-n805426>

<http://www.cnn.com/2017/09/27/us/puerto-rico-maria-ham-radio-operators-trnd/index.html>

And you can find many more by simply searching for "Amateur Radio Puerto Rico 2017"!



2017 Officers

President	James Hollan	KG5SGR	president@austinhams.org
Vice President	Lew Thompson	W5IFQ	vice-president@austinhams.org
Treasurer	Jay Hoffman	KA5OST	treasurer@austinhams.org
Secretary	Angie Steelman	KF5ZXI	secretary@austinhams.org
Editor, AARCOVER, website	Michael Skurka	K5MSK	editor@austinhams.org
Technical (Repeater Contact)	Stuart Rohre	K5KVH	512-255-3932 k5kvh@arrl.net
ARRL Travis Co. Emer. Coord.	Kerby Spruiell	KG5DLD	ec@austinhams.org
TC ARES PIO	Steven Polunsky	W5SMP	tcares-pio@gmail.net

Please contact a club officer, attend a meeting, or mail us to join the organization.

Sorry... Online membership registration is temporarily unavailable.

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	USE
146.780/ -600kHz	2m D-STAR Repeater [W5KA C]
146.880 107.2 PL Tone	Analog/Digital Fusion
146.940 107.2 PL Tone	Most popular, TCARES WXnet, Swapnet
224.800	
444.100	
444.200 107.2 PL Tone	
440.650 +5	70cm D-STAR Repeater [W5KA B]
1293.100/-20	23cm D-STAR Repeater[W5KA A]
1248.200	23cm D-STAR DD (data, simp./reversible) [W5KA A]

Persons using the repeaters are asked 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.

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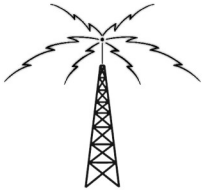
Viewpoints expressed in the AARCOVER do not necessarily reflect those of the club, or of its members, directors, or officers. Material quoted from the ARRL Letter is supplied by the American Radio Relay League, Inc.

Members and other readers are *encouraged* to submit 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 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 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: Jay Hoffman, KA5OST / ka5ost@arrl.net
Jay handles all changes for membership information.





Over the WWaves...



Free Access to Electronics and Radio Magazines

DE Pete Jordahl, K5GM

For the AARCover, from the AMSAT News bulletin for Sept 23, 2017:

Free (hams like free!) access to electronics and radio magazines from the past. Something to read while waiting for that next AO-85 pass. Go to <http://americanradiohistory.com/>. The site can be searched for genre or titles can be found in the alphabetical index (i.e. *Popular Electronics*, *Popular Communications*, etc.). The archived issues download as PDF files.

Homebrew Programming Cable - http://www.miklor.com/COM/UV_ProgrCable.php

DE K5FNI (Rick)

[Note: A couple of the links to the parts on Amazon or eBay may be outdated; however, using your ninja searching skills you can easily find their equivalents! -Editor]

USB optoisolator. Looks good for computer experimentation. From AliExpress Mobile - Global Online Shopping for Computers, Electronics

<https://m.aliexpress.com/s/item/32791995951.html>

DE K5FNI (Rick)

Educational Articles, Construction and Design:

At the following link, you can find a compendium of educational articles as well as articles on construction and design. If you are still needing something to do with your long summer (sic) hours, this looks like a good place to spend quite a few. <http://www.qsl.net/va3iul/>

DE K5FNI (Rick)

[Sorry... I missed this one for the summer issues. Better late than never? May be good for foul weather days! -Editor]

REMINDER

The Austin Amateur Radio Club offers annual scholarships to licensees living in Travis, Williamson, Bastrop, Hays, Blanco, Caldwell and Burnet counties.

(CONTINUED FROM PAGE 1)

the club. Being good with numbers is kind of important for this job! And finally, the Secretary takes and prepares the minutes for the meetings, and then sends them to the Editor of this newsletter for publishing every month. All officers meet every month, prior to the start time of the general meeting.

These are all volunteer positions for which the past and current officers have donated their time for the benefit of the club and its members. Yes. They do it all for you without any remuneration (that's means *money paid for a service*). Your appreciation and thanks are their rewards.

Please join us as we need a quorum of at least 10% of the general voting membership to conduct the nominations and, next month, the final nominations and election of officers!



FCC Opens 630- and 2200-Meter Bands Stations Must Notify UTC Before Operating

09/15/2017 DE ARRL

The FCC has announced that the Office of Management and Budget has approved, for 3 years, the information-collection requirement of the Commission's March 29 Report and Order (R&O) that spelled out Amateur Radio service rules for the two new bands - 630 meters and 2200 meters. The R&O in PDF format can be found at https://apps.fcc.gov/edocs_public/attachmatch/FCC-17-33A1.pdf.

Notice of the action appears in today's edition of the Federal Register. Before using either band, stations must notify the Utilities Technology Council (UTC), formerly the Utilities Telecom Council, that they plan to do so, and if UTC does not respond within 30 days, they may commence operation.

The website to notify the UTC is <https://utc.org/plc-database-amateur-notification-process/>.

Last March 27, the FCC adopted the 2012 World Radiocommunication Conference (WRC-12) implementation Report and Order (ET Docket 15-99), amending its Amateur Radio rules to - in the FCC's words - "provide for frequency-sharing requirements in the 135.7-137.8 kHz (2200-meter) and 472-479 kHz (630-meter) bands."

Section 97.313(g)(2) of those rules requires that, prior to starting operation in either band, radio amateurs must notify UTC that they intend operate by submitting their call signs, intended band(s) of operation, and the coordinates of their antenna's fixed location. The new rules do not permit any mobile operation.

Read the entire bulletin at <http://www.arrl.org/w1aw-bulletins-archive/ARLB018/2017>.



Hot Dog! Another amateur radio satellite!

(as posted on AustinHams Yahoo Group, DE K5KVH, Stuart)

QST de W1AW

Space Bulletin 009 ARLS009

>From ARRL Headquarters

Newington, CT September 26, 2017

To all radio amateurs

SB SPACE ARL ARLS009

ARLS009 FalconSAT-3 Now Open for Amateur Radio Use

The Air Force Academy satellite FalconSAT-3 is now open for Amateur Radio use as a digital store-and-forward system. Built in 2005 and 2006 by cadets and faculty in the Space Systems Research Center at the US Air Force Academy in Colorado Springs, FalconSAT-3 was launched in 2007.

The satellite has completed its scientific and training missions, and the Academy now is making it available for Amateur Radio use. The Packet Bulletin Board System operates at 9600 baud with a 145.840 MHz up-link/435.103 MHz downlink. Output power is 1 W, and the downlink is continuously on. Digipeating is enabled for live QSOs, but unattended digipeating operation is not authorized at this time.

Additional information is available on the AMSAT website at <https://www.amsat.org/falconsat-3/>.

NNNN

/EX



Call To Action!

Hi!

I'm ex-member Ross Russell, NN5RR, and I'm a teacher at Westwood High School in NW Austin. I got a grant for making an ISS contact, and ARISS asked that a local ham club be involved. I was wondering if one or more of your members might be interested in being involved with this.

I set up a station from scratch at Lehman High School in Kyle and made contact with the ISS about six years ago. Hays County ham club helped then.

I have the knowledge to build and operate a second station, but may need help with properly grounding it on the roof of the school. Also, ARISS wants club involvement. I helped out when y'all did the contact in 2008-ish at Blackland Prairie Elementary.

Thanks for any help! Members may contact me at this address, ross_russell @roundrockisd.org

73,
Ross/NN5RR



FEATURED EVENT

(This one bears repeating!)



October 6th & 7th, 2017

Bell County Expo Center ([Google map](#))

Belton, Texas

"The friendliest Ham Radio Swapfest in the world!"

Commercial vendors and individuals from Texas and surrounding states meet up at HamEXPO to display amateur radio equipment and supplies for sale. Come join us at this Swapfest, sponsored by Temple Amateur Radio Club,

It's only 50 miles north of Austin! Admission fee is \$5.00 per person at the door (children under 12 free). This includes one free raffle ticket (a \$2.00 value).

Visit <http://tarc.org/hamexpo> for more information!

And if you miss this one.. you'll have to wait until April 6th & 7th, 2018 for the next **HamEXPO**. But we hope you'll be able to make it in October!

Do you have any news, events, interesting links or articles for the AARCover?

We'd be thrilled if you'd send them to editor@austinhams.org



AARC General Meeting, 5 September 2017

Start time: 7:02 pm

Attendance: 33

We had one visitor, who is also a new ham this month: Mark Dommers, AG5MB Welcome!

We had no new members, upgrades or call sign changes this month.

The minutes from August were approved as shown during the meeting.

Announcements:

- Proposed location for the Christmas party (from Lew Thompson, W5IFQ via James Hollan, KG5SGR): Buffet King, 5451 S. I-35, Austin. Buffet prices: \$11.99 adults, \$6.99 children. All attending must purchase a buffet. The party will be on December 5 (our regular meeting date) and will last from 6 pm to 9 pm. A simple vote was held; all present agreed to have the party at this location.
- We need a Christmas party committee to obtain door prizes, run the contests and see to table decorations. If you are willing to help, talk to Jeff Schmidt (who is willing to help but not to chair).
- See the swapnet newsletter for upcoming events.

Officer reports

- Treasurer: Jay Hoffman, KA5OST - not present
- Secretary: Angie Steelman, KF5ZXI - Thanks for signing in if you have, please do sign in if you haven't yet. We had 33 in attendance last month.
- Vice-President: Lew Thompson, W5IFQ - not present.
- Newsletter: Mike Skurka, K5MSK - not present.
- ARES: Kerbey Spruiell, KG5DLD: We had 14 active members during various phases of Harvey and had a good experience working with Harris County ARES
- Technical committee: Roy Walker, WA5YZD provided description of Web EOC

No space weather presentation.

End of business meeting: 8:06 pm.

The subject of tonight's presentation was Jeff Schmidt's Physics Circus.

2017+ Calendar of Events

AARC Meeting Info

Tuesday, Oct 5, 2017 / 7:00pm to 9:00pm

Location: Applied Research Lab
[10000 Burnet Road, Austin TX](#)

Presentation Topic:

Radio Frequency Interference
 by Austin Energy Engineer
(name not available at time of publication)

Solar WX: W5IFQ (Lew)

Officers Meeting

Officers meet from 6:00 to 7:00p.m. prior to regular club meeting and is open to all. Contact an officer for more information.

Oct 6-7 Belton Ham Expo

Bell County Expo Center
 Temple Amateur Radio Club
<http://tarc.org/hamexpo/>

Oct 14 Main Trading Company - Ham Radio Day

2707 Lamar Ave., Paris, TX / 8AM - 2PM / 903-737-0773
 145.130 (PL 100.0) Analog or Fusion
 442.125 K5PTR DStar is online in Paris
sales@maintradingcompany.com
<http://www.maintradingcompany.com/>

Oct 21-22 Jamboree On The Air (JOTA)

Oct 27-28 Texoma Hamarama & Family FunFest

Ardmore Convention Center, 2401 North Rockford Drive, Ardmore, OK; Sponsor: Texoma Hamarama, Inc.
<http://texomahamarama.org/>

Oct 28 ADA Tour De Cure Bike Ride

Orbiting San Marcos High School, 2601 E McCarty Ln, San Marcos TX. Contact Mike KF5ACH mikewilmore @ me.com

Nov 11 - Greater New Orleans Ham Fest

Harahan Lions Club Building, 1001 Hickory Avenue, Harahan, LA.
 Table reservations - contact Eric at af5jg @outlook.com or Joe at 504-288-7084 or Joen5ozg @hotmail.com
<http://www.facebook.com/groups/2044282109131267/>

Feb 3, 2018 Basic & Advanced SkyWarn Training

27th Annual Lou Withrow Austin and South Central SkyWarn Training. 9:00am-4:00pm Saturday.
 DE Troy Kimmel KE5BCK
 Location: Austin Community College, Eastview Campus, Austin

**More events listed in the [SWAPNET Newsletter!](#)
 Visit <http://austinhams.org/swapnet>**

Upcoming Amateur Exams: 2017

ARRL VEC - Oct. 14th & Nov. 4th

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 - Oct. 21st & Nov. 18th

2 p.m. in **Room 118**, Fleck Hall,
 St. Edwards University. \$14 fee.
 Contact Craig
AC5KW@ARRL.net
 for more info. \$14 fee.

Upcoming Meetings...

Oct.	Nov.	Austin Meetings/Happenings	Time	Address
3	7	AARC Meeting @ Applied Research Lab	7:00 p.m.	10000 Burnet Rd
24	28	Travis County A.R.E.S. @ Applied Rsrch Lab	7:00 p.m.	10000 Burnet Rd
26	23	CERT Meeting @ TBD (see Link / Contact) <i>(CERT may be moved in November due to Thanksgiving Holiday. No info available at publication time.)</i>	7:00 p.m.	TBD
23	27	CTDXCC Meeting @ Old Quarry Library	6:30 p.m.	7051 Village Ctr Dr

If your club is listed here and has incorrect time or dates, please let us know! editor @ austinhams.org

Visit our website at <http://austinhams.org/>