

AARC OVER A

*Keeping
Austin
Wireless*

*for
100
Years!*



Bulletin of the Austin Amateur Radio Club

ISSN 1067-0262

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AUSTIN SUMMERFEST 2019

<http://austinsummerfest.org/>

Yes! It's time for Austin Summerfest 2019! It's time to gather in central Texas to see old friends, make new ones, attend the swapfest and all the events at Austin Summerfest 2019 and the 2019 ARRL South Texas Section Convention. The Summer Meeting of the Texas VHF-FM Society is also hosted at this event.

Friday, August 2nd and Saturday, August 3rd, Crowne Plaza Hotel, 6121 North IH 35, Austin, TX 78752.

If you're familiar with the area, it's the northeast area of the IH35/E Hwy 290 intersection on the north side of town, about 1.25 miles south of Hwy 183.

Advance registration is closed, but you can show up and register on-site (\$10 per individual, at the door; children 17 and under admitted free). Everyone is welcome to attend! You do not have to be a licensed amateur radio operator to attend. Registration opens at 5:00 p.m. on Friday, and 7:00 a.m. on Saturday. You can speed up your registration if you download, print, and fill out a registration form in advance. You can get the form [HERE](#).

This year's guest speaker is Norm Fusaro, W3IZ, Director of Operations for the ARRL. Come to the ARRL Forum on Saturday morning, 9:00-10:00 a.m. in Salon A-B-C.

Technical Sessions include:

AMSAT	Crafts & Skills	License Exams
ARCHES	CW Pileup Competition	New Ham Orientation
ARES	DX & Contest	Roadrunners Microwave Group
Army MARS	Grounding, Bonding, Safety +	Software Defined Radio (SDR)
ARRL Forum	Computers in the Shack	Texas VHF-FM Society Meeting
Austin Ionosonde	Learning CW	Weather

Learning CW: Tom, KG5LBP, has teamed up with Patrick, W5WTH, to offer some advice to new hams who want to get started with CW. Both are fairly new to CW and will provide insights from their individual journeys in learning CW over the last two years.

CTDXCC will have the following programs:

- CW Pileup Contest - Sit down and listen to CW pileup. Pick out as many calls as you can. Winner, with most correct calls, gets Begali Key. Previous winners are not eligible for Key, but can play for "Bragging Rights".
- Aug. 2, Friday, 6-8pm; Aug. 3, Saturday, 8-10am. Venue: small room off back right wall of Restaurant. Look for sign in Hall pointing to room. Will be run by Robert, K5PI.
- Aug. 3, Saturday, 10am-noon, In Ballroom A, B. CTDXCC Main Program: Flex Radio live demonstration with 2 of the Flex Software Engineers.

A Begali Key will be awarded to winner of CW Pileup Contest. Drawing will be held for radiosport Headset raffle (now closed). Winner need not be present. CTDXCC will also have table in Hall, just outside entrance to the swapfest Grand Ballroom. Come by and visit. Ed, KE3D, will do card checking. He can check cards for any ARRL certificate. He will be at the CTDXCC table, from 9:00 a.m.-Noon on Saturday, Aug. 3.

(Continued on page 4)

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 July 6th, 2019 at Bethany United Methodist Church:

Technician Class Licenses Processed

Gregory C. Godreau KI5FMM

Jonathan D. Maples KI5FMP

David D. Massey KI5FMN

Dawn M. Patterson KI5FMO

General Class License Processed

John D. Patterson KI5EUA

Extra Class Licenses Processed

William A. Freeman WB5YMV

David M. Pereira AG5VI

Stanley J. Timmerman AG5VH

Examiners Participating in this Test Session

Milt Cram W8NUE

Rick Herndon K5FNI

Gene Hinkle K5PA

Sallie Howard AB5YL

Joe Makeever W5HS

Jim Matthews KG5QFD

Next ARRL VE Test Sessions

August 3rd - 12:30 in Austin Room at the Crowne Plaza Hotel (Austin Summerfest Convention)

Go to AustinSummerfest.org web site for more information on testing.

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

TNX ES 73 DE W5HS

Joe

7/20/19

The South Austin W5YI VE team heartily congratulates the following people who earned new or upgraded amateur radio licenses at our July 20, 2019 session:

Amateur Extra Class

Edwin McManus (NEW)

General Class

Jamin Bichel (NEW)

Michael Shirley (NEW)

Scott Trenton (NEW)

Technician Class

Walter Newton

Louis Scalpati

Kelly Scalpati

Robert Robles

William Brumley

Christopher Spitler

James Rellinger

Our administering volunteer examiners were:

Craig Bean, AC5KW

Sam Mihalik, KM5MY

Albert Karch, N5OVH

David Glosson, N5DPG

Micah Kemp, AG5SJ

Ray Burrhus, KI5CJF

Our next two amateur radio exam sessions will start at 2 PM on August 17th and September 21st 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@at@gmail.com)



For more specifics of each session, visit the [Technical Sessions](#) page on the website. You'll also find a [Chart of Events](#) to help you with planning your days.

Talk-in will be available on the Austin Amateur Radio Club (AARC) repeater: **146.94 MHz, 107.2** tone, – offset. Once you get to the event site, stroll on up to Room 505 - the Hospitality Suite (sponsored by AARC). Stop by, say "Hi!" and grab a snack.

You'll find the Swapfest going on in the Grand Ballroom (the big room behind the registration area). You'll need your swapfest badge to get in. There will be a number of vendors ready to help you with their latest products, as well as hams with tables of gear available for purchase.

If that's not enough, door prizes are awarded throughout the day on Saturday, until noon. These must be claimed by 12:45p.m. Saturday. The drawings for major prize begins at 1:00 p.m. The **Grand Prize** for the raffle is a [Yaesu FT891](#), HF/50MHz 100W all-mode mobile rig. The **featured prize** is a [Yaesu FTM-7250DR](#) 2m/70cm C4FM/FM 50-watt digital mobile. And the **bonus prize** is a [Yaesu FT-70DR](#) 2m/70cm C4FM/FM 5-watt digital HT. Registration gets you one raffle ticket and you are welcome to purchase more tickets for \$1-each. See the [Rules Page](#) for prize rules.

If it gets too cold or too crowded for you inside, there will also be a **Tailgate Swapfest** on the east site of the hotel. You don't need to be registered to sell or participate at the tailgate. But of course, you'll want to attend the indoor (air conditioned!) swapfest and sessions, so...

Come on over to **Austin Summerfest 2019**. We look forward to seeing you there!

<http://austinsummerfest.org/>



Great Job, Travis County ARES!

ARRL published the 2018 results of their **Simulated Emergency Test (SET)** in the July 2019 issue of the ARRL's **QST** publication. As the article states (beginning on page 70), *Amateur Radio operators showcase ingenuity and skill under the pressure of emergency scenarios*. As noted on page 72, in the West Gulf Division/South Texas, KG5DLD reported **227 points** for activities during the SET by Travis County ARES. No other ARES group in South Texas was listed.

Congrats, TC ARES!



AARC Meeting Info

Tuesday, August 6, 2019 / 7:00pm to 9:00pm

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

Main Presentation

“MARS and Amateur Radio Supporting the Mission”
by Lew Thompson, W5IFQ

Solar Wx Summary

by Lew Thompson, W5IFQ

Upcoming Amateur Exams: 2019

ARRL VEC - August 3rd at 12:30 in Austin Room at Crowne Plaza Hotel (Austin Summerfest Convention) & September 7th at 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 - August 17th and September 21st
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

Aug 2-3 – Austin Summerfest

Crowne Plaza Hotel, 6121 North IH-35, Austin, TX
NE corner of IH-35N and US 290E
ARRL Special guest speaker - Norm Fusaro, W3IZ
Admissions via PayPal or at the door. \$8 per-person for advanced registration, or \$10 per person at the door. Door Registration opens at 5pm on Friday, and 7am on Saturday. Talk-in on 146.940(-)107.2 Hz repeater
Hospitality Suite: Room 505
Website URL <http://austinsummerfest.org/>

Aug 17-18 – Huntsville Hamfest

Von Braun Center, South Hall
700 Monroe St SW, Huntsville, AL 35801
146.94(-)100Hz PL, backup 145.33(-)100Hz PL
<http://www.hamfest.org/>

Aug 24 – AARC 100th Year Banquet

6-9pm, Saturday, Aug 24th at Frieda's Seafood Grill
Along with the festivities, enjoy a four-course gourmet meal and soft drink/tea. **\$43 per guest** (includes gratuity). Special guest speakers, recognition awards and gift bags are planned. Club members will have first opportunity on the ~70 seats. For info, please contact Lori (KM5MQ) 512-632-6789 or email KM5MQ [at] ARRL.NET
More details and payment options on the www.AustinHams.org website.

Oct 6 – Belton HamEXPO! Fall

Date confirmed per Myron N5TFK- Registration should go live at the beginning of July.
Bell County Expo Center- Belton, Texas
Admission Fee \$5 per person, includes one free raffle ticket (\$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

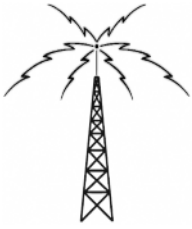
Oct 21-25 – ARRL School Roundup

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

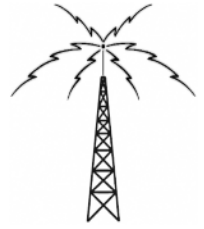
Feb 1 2020 – 29th Annual Lou Withrow Austin/South Central Texas SkyWarn Basic & Advanced Training Session

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...



3D Printed Coherer (with pictures) - DE K5FNI, Rick

This is something you don't see every day. I never thought I would see a project like this on this site. <https://www.instructables.com/id/3D-Printed-Coherer/>
[Yes. I had to look up the *definition of Coherer*. -Editor]

Antenna Polarization - DE K5MSK, Michael

ARRL's July 18th podcast episode for "The Doctor is In" focuses on Antenna Polarization (length 17:16).
Podcasts: https://www.blubrry.com/arrl_the_doctor_is_in/ (no registration required)

Software Defined Radio (SDR) - DE K5MSK, Michael

I didn't realize SDR has been around so long. Taking a look at the ARRL's page, I see I've been missing out on a lot of stuff! <http://www.arrl.org/software-defined-radio>

Basic FM Radio with Arduino Display - DE K5MSK, Michael

Okay. I know. It's not amateur radio, but it's a nifty little project that could introduce a new ham to project building, soldering, and Arduino (which can also be used in ham projects). Includes code (though the "copy" button didn't work for me; I had to select the code with mouse and then right-click, Copy). You can skip the embedded YouTube videos, which are absolutely no help in building the project.

<https://maker.pro/arduino/projects/how-to-build-a-basic-radio-with-the-sparkfun-fm-tuner-basic-breakout-and-an-arduino-uno>

WA9ONY Amateur (Ham) Radio Raspberry Pi Computer Projects - DE K5MSK, Michael

While I'm on the topic of microprocessors, the Raspberry Pi (aka RPi) has some great uses in amateur radio. The page link below has a good list of ham radio applications that have been implemented on the RPi.

<http://www.stargazing.net/david/rpi/hrrpi.html>

The Pine Board Project - DE K5MSK, Michael

Here's a transmitter project from Bob Heil, K9EID (yes, the guy behind Heil microphones, and much more!). It's called "The Pine Board Project" because it includes, of course, a pine board on which the components are mounted. The entire project includes a simple field strength meter, 300-volt power supply, microphone preamplifier, a transmitter, and a final tuner. Whew! Probably more than just an hour or two of tinkering.

<https://heilsound.com/amateur-radio-post/the-pine-board-project/>

Do you have any tidbits to share? Send them on over to: editor [\[at\] austinhams.org](mailto:editor@austinhams.org)



President's Corner

August 2019

Kudos to Roger Wines (W5WIA) for spearheading a blitz to get new hams on board. He, along with 2 side kicks (Joe Fisher, K5EJL and Jeff Schmidt, N5MNW), invested their personal time on several Saturdays to teach a group of students in all three levels of the FCC



Amateur Radio licensing exams. The end result was that 4 individuals obtained their Technician tickets, 4 individuals got their General licenses and 4 got the Extra tickets. Some of the ones who accomplished their primary goals went on to successfully test for the next level up. Watch for the names of these individuals to be posted in next month's AARCOVER newsletter.

By the time this newsletter goes to publication, we'll be just a few short days from **Austin Summerfest 2019**, at the Crown Plaza Hotel (Friday & Saturday, August 2nd & 3rd) located at the corner of IH35 and Hwy 290. You don't want to miss all the excitement in the door prizes, the opportunity to purchase new and used Ham radios & equipment as well as the scheduled educational sessions. Go to austinsummerfest.org for more details.

As a reminder, it's the 100th year anniversary of the Austin Amateur Radio Club, and to celebrate we're having a banquet on Saturday, August 24th from 6:00 p.m. to 9:00 p.m., at Freda's Sea Food Grill, 10903 Pecan Park Blvd. We have a few tickets left and at \$43 per person, you will enjoy some fine dining with a 4-course gourmet meal, a *goody bag* which will include a specially designed 100th Year Anniversary t-shirt and you'll be in the audience to hear our special guest speaker, Riley Hollingsworth (K4ZDH), former FCC Special Counsel for Amateur Radio Enforcement and is currently heading up a revamped version of the former Official Observer Program, this time with much more involvement from the FCC.

For more details, please call/text Lori, KM5MQ @ 512-632-6789 or email KM5MQ [at] ARRL.NET. Let her know your T- shirt size.

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?

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

BIRTHDAY
 CENTENNIAL
 CONVENTION
 CTDXCC
 GROUNDING

IONOSONDE
 MUSEUM
 NAVAJO
 OBSERVER
 PILEUP

RAILROAD
 SUMMERFEST
 TELESCOPE
 WINLINK
 WOODSTOCK

This Month In History

1955-08-07 – Tokyo Telecommunications Engineering, the precursor to Sony, begins selling its first transistor radios in Japan

1958-08-21 – KUT-FM in **Austin, Texas** begins radio transmissions

1962-08-05 – 1st quasar located by radio

1968-08-21 – After 5 years Soviet Union once again jams Voice of America radio

1984-08-11 – During a radio voice test, US President Reagan jokes he "*signed legislation that would outlaw Russia forever. We begin bombing in 5 minutes.*"

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

Action on the Airwaves

Looking for something new to do on-the-air?

This is just a small sample of on-the-air events happening throughout the month. The **150th Anniversary of the Transcontinental Railroad** is this month and there are several commemorative events planned. Check out even more [activities on the air](#).

08/10/2019 | Centennial Celebration of San Antonio Radio Club

Aug 10, 1500Z-2100Z, W5SC/100, San Antonio, TX. San Antonio Radio Club. 14.260. QSL. SARC, PO Box 4263, San Antonio, TX 78265. SASE required. Club members may operate their own stations, signing "own-call/100" during 2019. Club station will operate from San Antonio Museum of Science and Technology (<http://www.samsat.org/>). <http://www.w5sc.org/>

08/09/2019 | DSES Annual Radio Telescope / Astronomy Open House

Aug 9-Aug 11, 1800Z-2300Z, K0PRT, Haswell, CO. Deep Space Exploration Society. 14.253; other frequencies possible, as conditions permit. QSL. Deep Space Exploration Society, 4164 Austin Bluffs Parkway #562, Colorado Springs, CO 80918. <http://dses.science/>

08/14/2019 | Navajo Code Talkers

Aug 14-Aug 18, 0000Z-0000Z, N7C, Window Rock, AZ. 14.265 7.265 18.133. Certificate & QSL. Herbert Goodluck, PO Box 06, Chinle, AZ 86503. N7C special event station commemorating the Navajo Code Talkers of WWII South Pacific Certificate & QSL USD \$5.00

08/17/2019 | Founding of the Pima Air & Space Museum

Aug 17, 1600Z-2100Z, K7T, Tucson, AZ. Oro Valley Amateur Radio Club. 14.250 14.040 7.200 7.035. Certificate. No paper QSL's please. Email request to: qsl@tucsonhamradio.org. <http://www.tucsonhamradio.org/>

[This is an awesome museum! Yes. I've been there. -Editor]

08/17/2019 | Woodstock Concert 50th Anniversary

Aug 17-Aug 18, 1200Z-1800Z, W2W, Bearsville, NY. Self. 14.255 7.255. QSL. Lloyd Westerman, 195 Coldbrook Rd., Bearsville, NY 12409. www.qrz.com/db/k2jvx

08/31/2019 | Hiram Percy Maxim 150th Birthday Special Event Station

Aug 31-Sep 2, 1600Z-2200Z, W3HPM, Hagerstown, MD. Antietam Radio Association. 14.245 7.245 3.850. QSL. Antietam Radio Association, PO BOX 52, Hagerstown, MD 21741-0052. Second club call sign of W3HPM is pending. SASE with card required for Special Event QSL card. <http://www.w3cwc.org/>

08/31/2019 | Paradise AZ Ghost Town

Aug 31-Sep 2, 1800Z-1800Z, K7RDG, Sierra Vista, AZ. Cochise ARA. 7.230 14.315 21.215 28.355. Certificate. Cochise Amateur Radio Assoc, PO Box 1855, Sierra Vista, AZ 85636. 41st Annual Trek to the town of Paradise, AZ <http://www.k7rdg.org/>



Upcoming Meetings...

Aug	Sept	Austin Meetings/Happenings	Time	Address
6	3	AARC Meeting @ Applied Research Labs.	7:00pm	10000 Burnet Rd
27	24	Travis County ARES @ Applied Rsrch Labs	7:00pm	10000 Burnet Rd
22	26	CERT Meeting @ TBD (see Link / Contact)	7:00pm	TBD
6	3	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 (visit tcares.org and look for Weekly Nets, Winlink Wednesday)	
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	7:00 p.m.	Lee County ARES Net	147.220 Mhz + (114.8)
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 MHz - (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 July 2, 2019

The Austin Amateur Radio Club (AARC)

Sorry...

Meeting minutes unavailable at time of publication.



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.

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

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* Replace [at] with @ in email addresses.

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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 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 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.

