

AARC OVER

*Keeping
Austin
Wireless*

*for
100
Years!*



AARC

Bulletin of the
Austin Amateur Radio Club

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In This Issue

TCARES News - 2019 SET
- by KG5RXG, Michael
Election Time!
Ham Radio Test Results
Meeting info
Upcoming Exams / Calendar of Events
Over the WWWaves...

2	President's Corner	6
	Just for Fun	7
"	Upcoming Meetings / Periodic Events	8
3	Meeting Minutes	9
4	Club Info:	10
"	Repeaters / Officers / Contact info	"
5		

October, 2019

TC ARES News - 2019 SET

DE KG5RXG, Michael

About the Upcoming SET:

The Simulated Emergency Test (SET) is slated for the November 9 and 10 (subject to change with notice). The SET is an exercise in disaster response and emergency communication, in which volunteers respond to a mock emergency or disaster, such as an earthquake, flooding, a hurricane or man-made catastrophe. The SET gives volunteer public service communicators the opportunity to focus on their capabilities, strengths, and weaknesses while interacting with nets. It also provides a public demonstration to our served agencies the value that Amateur Radio provides.

Ways to Participate:

- Assist in deploying our Emergency Communications Trailer (ECT)
- Winlink and other digital modes operators
- Net control Stations
- Choose a Critical Infrastructure location
- Man a radio station at a local hospital

You do not need to be an ARES member to participate. All licensed amateur radio operators first priority is emergency communication. If you are interested in participating, please email our EC, Michael, at: kg5rxg [at] ARRL dot net

[Download the TCARES SET 2019 Presentation](#)



It's Election Time!

Already?! Yes! It has been a whole year since we elected our current officers. It has been a great year with Field Day 2019 and the AARC's 100th Anniversary. But the time is growing near to ring in a new year.

As has been the custom, Austin Amateur Radio Club starts taking nominations at the October meeting. Final nominations and election of officers occurs at the November meeting. The new officers assume office on January 1st.

Ruben has done a great job as President, but he's moving on (see page 6, *President's Corner* for details). The club will need a new president for 2020. Are you interested in becoming a club officer? Do you have a little time and are willing to contribute to our local amateur radio community? Please consider running for office!



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 September 7th, 2019 at Bethany United Methodist Church:

Technician Class Licenses Processed

Michael B. Brochstein KI5GJQ	Thomas B. Brothers, Jr. KI5GJT	Jonathan H. Eskeldson KI5GJN
Robert J. Norquay KI5GJP	Giuliano T. Petrigh KI5GJO	Charles R. Pressler KI5GJM
Marvin W. Rasmussen KI5GJU	Michael C. Slavin KI5GJL	Harlan M. Stanley KI5GJR
Douglas B. Wallingford KI5GJS		

General Class License Processed

Steven M. Behnke KI5GJW	Sheila R. Constant KI5DDK	Blake N. Patterson KI5GJV
John M. Piontkowski KI5GJX		

Extra Class License Processed

Gary M. McDowell N5DQH

Examiners Participating in this Test Session

Larry Gunter WB5BEK	Rick Herndon K5FNI	Gene Hinkle K5PA
Micah Kemp AG5SJ	Jim Kinter K5KTF	Blaine Kubesh K5KUB
Arlen Levin WA6AUF	Joe Makeever W5HS	Steve Schreiber KG5LAA

Next ARRL VE Test Sessions

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

TNX ES 73 DE W5HS

Joe

9/22/19

The South Austin W5YI VE team heartily congratulates the following people who earned new or upgraded amateur radio licenses at our September 21st, 2019 session:

Amateur Extra Class

Brian Barker KG4EFK	Whitson Waldo, III KG5ZYZ
---------------------	---------------------------

General Class

Giuliano Petrigh KI5GJO	Logan Bostick (NEW)	Jeffrey Reeh (NEW)
Samuel Downs (NEW)	Robert Harrell, KI5GCF	

Technician Class (New)

Rae Tipping	Douglas McIntire	David Hamlin
Robert Lee, III	Daniel Lillja	Carlos Sosa

Examiners Participating in this Test Session

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 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 (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)

AARC Meeting Info

Tuesday, October 1, 2019 / 7:00pm to 9:00pm

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

Main Presentation

Power Line RFI Detection and Mitigation
by Tri Tran, P.E. and team from Austin Energy

Solar Wx Summary

by Lew Thompson, W5IFQ

Upcoming Amateur Exams: 2019

ARRL VE - October 12th and November 2nd
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 - October 19th and November 16th
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 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 including 160m. Satellites Ops on SO-50, AO-91, and AO-92 and 6-meter meteor scatter. WWV Centennial Committee website: <http://wwwv100.com/>

Oct 4 & 5 – Belton HamEXPO! Fall

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 5-6 – BikeMS Ride to the River

Contact- Lee N5NTG
Hams Needed – BikeMS Ride to the River October 5-6th, 2019. Need -lots- of ham radio operators to volunteer!
See [Swapnet Newsletter](#) for more info.

Oct 12 – Tailgate sale in Lufkin

Grace Baptist church on old 69- 8319 FM2021 Lufkin, TX 75904 / 7am setup 8am start
Contact Geoff W5OMR

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

November 9-10 – TCARES SET 2019

Travis County ARES will be conducting its 2019 Simulated Emergency Test (SET) on Sat/Sun, Nov.9-10. See page 2 for more info.

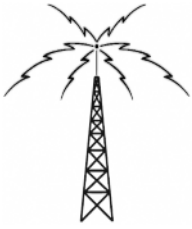
Nov 16-17 – 50MHz-1296MHz EME Competition

2019 ARRL International EME (Earth-Moon-Earth) Competition
<http://contests.arrl.org/arrlemescoresubmission.php>

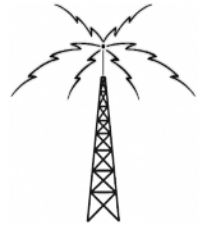
Feb 1 2020 – 29th Annual Lou Withrow Austin/South Central Texas SkyWarn Basic & Advanced Training Session

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...



QRP HF Rig Review

Thought this was of note: from fb at <https://www.facebook.com/groups/OTVARC/permalink/2511177508928662/>
John Bucsek shared a link.

For those looking for a very affordable QRP HF rig checkout the uBITx which was reviewed in the September 2019 issue of QST. Its an open source, Arduino based 10-80m SBB and CW rig (can also do digital) with a 5-10W output. Only \$129 for the assembled board. You need to provide your own case, and wire up the controls and connectors. Seems like a fun way to explore the HF spectrum and get some building experience in. When reading other reviews, realize that they're now on V5 of the board and many of the earlier issues have been fixed. It looks like there is a good community of hams using and improving on it as there are also add-ons available from other sources like a larger screen, AGC, and DSP that add capability to the rig. <http://www.hfsignals.com/index.php/ubitx/>

(DE K5FNI, Rick)

Track Spacecraft As The Talk To Earth - In Real Time!

Not exactly ham, but of interest to some.

<https://newatlas.com/space/esa-estacknow-tracking-tool/>

(DE K5FNI, Rick)

Floppy Disks? Is My Hard Drive Melting?

No. But if you used a computer in the "early days", you might just remember those things. [Editor]

I just ran across this on Facebook. Just in case you have a big pile of floppy disks, this guy will take them in...& get them a new home.

<https://www.digitaltrends.com/computing/why-do-floppy-disks-still-exist-the-world-isnt-ready-to-move-on/>

(DE K5FNI, Rick)

What Does WWV and AARC Have In Common? 100 Years!

The world's oldest licensed radio station, which operates from a location just north of Fort Collins, will turn 100 years old on Oct. 1. The Northern Colorado Amateur Radio Club and the WWV Amateur Radio Club will sponsor a special event amateur radio station, call sign WW0WWV (W-W-zero-W-W-V). The station will make as many amateur radio contacts as possible over a five-day, 120-hour operating period, starting at 6 p.m. Friday and going through 6 p.m. Wednesday, Oct. 2, operating from the WWV site.

Read more at: <https://www.reporterherald.com/2019/09/22/radio-station-wwv-to-celebrate-100-years/>

(DE Editor)

Learning Morse Code Increases Neuroplasticity

Huh? Oh. Doctors say that's a good thing. It helps us learn new things, and much more.

"A recent study has shown that learning Morse Code increases neuroplasticity, which is the brain's ability to reorganize itself by forming new neural connections throughout life."

Read the full source article at: <https://www.kb6nu.com/learning-morse-code-increases-neuroplasticity/>

(DE Editor)

Voice over IP for Ham Radio

9/24/2019 Podcast by Jeff Lehman, H8ACL (length 2:57:52)

Listen to the podcast at: <http://www.hamradioworkbench.com/podcast/Voice-Over-IP-for-Ham-Radio>

Lots of other helpful links on the page.

(DE Editor)



President's Corner

Please be mindful of our upcoming AARC 100 Year Anniversary Special Event which will take place on October 12th from 9:00 am to 12:00 pm., at which time our members will be on station at the American Red Cross at 2217 Pershing Dr in central Austin calling out CQs on HF. Successful contacts can receive specially designed AARC 100 year anniversary commemorative QSL cards. Stay tuned for further details at our monthly meeting, on the Sunday night TCARES Net, and on Yahoo emails.



It is with a good measure of sadness that I'm announcing that I'm leaving Austin and moving to Kentucky. I will be finishing up this, my second year term as your Club president via cell phone & Internet. I also hope to return to Austin for our annual Christmas party.

I have enjoyed my service to you along with the many responsibilities and challenges that it brought to me. I hope I was able to advance the Club in motivation and to unite you to everything that the hobby and service has to offer.

My wife is taking a position in Kentucky as Director of Public Safety Emergency Communications and I will be supporting her in every way. We both retired from our careers here in Austin and still have children and grandchildren here so we plan to make frequent visits. And we hope to eventually resettle back in this area. I will remain a member of AARC and hope to have some level of involvement with the Club. And who knows, I may end up back here at some point and seek another term or two as your president.

In the meantime, 73 and hopefully I'll find you on the radio waves.

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

AARDUINO
 ARECIBO
 BALLOON
 CENTENNIAL
 ELECTION

EMERGENCY
 HALLOWEEN
 HAMEXPO
 JAMBOREE
 NEUROPLASTICITY

SOLAR
 SPACECRAFT
 TRANSISTOR
 WINLINK
 WWV

This Month In Radio History

1906-10-25 / US inventor Lee de Forest patents "Audion", a 3-diode amplification valve which proved a pioneering development in radio & broadcasting

1925-10-30 / KUT-AM in Austin TX begins radio transmissions

1938-10-30 / A radio broadcast of H. G. Wells "The War of the Worlds", narrated by Orson Welles, allegedly causes a mass panic

1954-10-18 / Texas Instruments Inc. announces the first transistor radio.

1992-10-12 / Arecibo radio telescope begins Microwave Observing Project search for occupied planets

Source: <https://www.onthisday.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!](#)

09/28/2019 | WWV Centennial

Sep 28-Oct 2, 0000Z-2359Z, WW0WWV, Fort Collins, CO. WWV ARC, NCARC. 7.038 7.238 14.038 14.238. QSL. WWV ARC, 1713 Ridgewood Rd, Fort Collins, CO 80526. Planned operations will be from 160 - 6m, no 60m or 12m, 24 hours/day. Please see the website for specifics, also on Facebook (WWV100) and Twitter (@WWV_100) <http://WWV100.com/>

10/05/2019 | Albuquerque International Balloon Fiesta

Oct 5-Oct 13, 1200Z-2359Z, W5B, Albuquerque, NM. High Desert ARC of New Mexico, Inc.. 14.280 Mhz 14.074 Mhz. QSL. Jerry Aceto , 1023 Purple Aster, Bernalillo, NM 87004. www.nm5hd.com

10/18/2019 | Trick-or-Treat on the Air

Oct 18-Oct 19, 2230Z-0030Z, W1L, Springfield, IL. Champaign County ARES. 14.250. QSL. Mary Twigg, 612 Yalow Drive, Champaign, IL 61822. mtwigg@gmail.com

10/19/2019 | Jamboree On The Air / Jamboree on the Internet.

Oct 19-Oct 22, 1300Z-1900Z, W1M, Russell, MA. Western Mass Council, Scouting USA. 7.190 7.040. QSL. Tom Barker, 329 Faraway Road, Whitefield, NH 03598. Look for us on Brandmiester JOTA talk group as well as Mass, Vermont, and NH state wide tg's. Special QSL available through eqsl or sase to WA1HRH, good on QRZ.com.

10/31/2019 | Frankenstein Halloween FunXpedition

Oct 31-Nov 1, 1900Z-0500Z, W0O, Jefferson City, MO. Mid-MO Amateur Radio Club. 14.038 Spotting Networks. QSL. Kent Trimble, K9ZTV, 2210 Heartland Ridge, Jefferson City, MO 65109. A unique 2019 edition QSL will be available upon receipt of YOUR properly filled-out QSL and an SASE (#10 envelope unless you like folded cards). Further details can be found on the W0O page on QRZ.com. www.qrz.com/db/w0o

Upcoming Meetings...

Oct	Nov	Austin Meetings/Happenings	Time	Address
1	5	AARC Meeting @ Applied Research Labs.	7:00pm	10000 Burnet Rd
22	26	Travis County ARES @ Applied Rsrch Labs	7:00pm	10000 Burnet Rd
24	28?	CERT Meeting @ TBD (see Link / Contact)	7:00pm	TBD (<i>cannot find any info online</i>)
1	5	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 On-The-Air

Sun	7:00 p.m.	Travis Co. ARES net	147.360 MHz - (131.8)
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 September 3, 2019

The Austin Amateur Radio Club (AARC)

Ruben called the meeting to order at 1903.

New Member: Steve Anderson, KDOUEF

Lori Schmidt was named *Ham of the Month* on a motion from Joe Canfield and second by Lew Thompson.

Michael Marks (TCARES EC) spoke on the need for more participation in Emergency Communications. He also talked about **WinLink Wednesday** which runs from Sunday through Wednesday. Go to WinLinkWednesday.com for more information.

Announcement was made that a new QRP radio will be coming out in April.

A report on the Jesse Coupland Scholarship fund anticipates about \$11,000 available for the coming year.

Lew Thompson gave the Solar Weather report and presented the program on U.S. Army MARS.

The meeting adjourned at 20:45.



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.**

