

# AARC OVER

*Keeping  
Austin  
Wireless...  
Since 1919*



# AARC

*Now  
in our  
101st  
Year!*



Bulletin of the  
Austin Amateur Radio Club

ISSN 1067-0262

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## July, 2020

# Austin Amateur Radio Club Meeting for July 7 will be held ONLINE!

Continuing adherence to social distancing mandates, the AARC meeting will be held online, Tuesday July 7, 2020 at 7:00p.m. using the Zoom app. If you do not have Zoom, you may download the free application from the Zoom website for your desktop, laptop, or tablet. It can also be loaded on your smart phone from the iPhone or Android Stores.

<https://zoom.us/Download>

Zoom will allow the group to see the PowerPoint presentation online, as well as allowing the whole group to hear the speaker. While presentations are in progress **please mute your microphone** so the whole group will not hear background noise from your location. If you would like to ask a question, you can select "*Raise Your Hand*" from the application menu and the speaker will recognize you to take your app off mute. Then return to mute after you have finished.

The *Raise Your Hand* feature will also be used for any votes necessary during the meeting. After voting, please *Lower Your Hand*. You will also have the option to only see who is speaking or a view of all participants, with the speaker outlined in green.

We are looking forward to seeing and hearing from you during our regular meeting date and time. We also would like to express our appreciation to Clear Blue Sky Digital for allowing the club to use Zoom Pro at no charge to the club.

**Kerby Spruiell**, AARC President

## The Austin Amateur Radio Club

Monthly Meeting - June 2, 2020

Main Presentation Topic: **TBD**

**Solar Weather**, by W5IFQ, Lew Thompson

Time: **7 p.m. to 9 p.m.** , Central Time, Tuesday, June 2

**An email will be sent with meeting details as the date approaches.**

Make sure your email address is up-to-date on the [austinhams.org](http://austinhams.org) site.

**Please do not post meeting info on social media or transmit via the radio.**  
**Unfortunately, QRM is likely and expected if the meeting is published publicly.**

***If you don't receive the meeting info,  
please contact an officer for the meeting link and password.***

Contact info is on the last page.

**Note 1:** You can join the audio portion by phone or using your computer's audio. If you need to speak, you will need a headset with microphone to prevent feedback. If you do not need to speak, you can simply use your computer speakers to listen.

**Note 2:** If you have not used the Zoom teleconferencing app before, you may want to visit the pages below for some hints and tips on participating in the meeting:

<https://www.wired.com/story/tips-for-using-zoom/>

<https://thewirecutter.com/blog/use-zoom-like-a-pro/>



# The Casual Contester

by Michael Marks, KG5RXG

You do not need a big station to have big fun! Contesting is a great way to build the skills to increase your proficiency in one or more modes. I am not a die-hard contester, but I will participate in contests of various levels from time to time for a variety of reasons, some of which you may find appealing to you. I am looking to earn Worked All States, DXCC and to prove my station capabilities. Others may be chasing Grid Squares, Worked US Counties, VUCC or other accomplishments.

## 3 Station Requirements for Contesting

- A radio and antenna(s)
- A computer (preferably interfaced with radio, but not required)
- Computer-based logging software that will outputting both a Cabrillo formatted file for contest submission and an ADIF formatted file for uploading to LOTW, ClubLog or QRZ.com. There are many options from freeware to networked Windows-based such as N3FJP. I use N1MM a free Windows based software package.

## Keys to Having a Successful Campaign

- Work a lot of stations
- Work as many "multipliers" as possible
- Work smart, know when to change bands
- Understand Propagation
- Know Your Limits - Choose the Operating category that is right for you. Contest Categories are created to keep the playing field level when it comes to scoring.

☐ Most Common Categories include:

- Single operator
- Packet-assisted or unassisted
- Power Levels: QRP, Low, High
- Single band and/or mode (some contests)
- Multi-op, single transmitter
- Multi-op, multi-transmitter
- Rookie

## Time Commitment

Almost always on weekends with starting and ending times vary by contest. Some contests are as short as 4 hours and some are as long as 48 hours. Maximum allowed operating hours also vary.

(continued on page 5)

# AMATEUR RADIO EXAM - TEST RESULTS

No exam results for ARRL VEC for the month of May.

Please visit [http://www.austinsummerfest.org/VEC/ARRL\\_1st\\_Sat\\_Exams.html](http://www.austinsummerfest.org/VEC/ARRL_1st_Sat_Exams.html) for details and list of scheduled exams.

NOTE: The **JULY** exam is **canceled** as the test site is not available due to Church coronavirus contagion concerns.

TNX ES 73 DE W5HS

Joe

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The South Austin W5YI VE exam for June was canceled due to the closure of St. Edward's University in response to COVID-19. The August exam will likely be canceled as well.

The amateur radio exam sessions normally start at 2 PM on scheduled test dates 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)

Please visit [AustinHams.org](http://AustinHams.org) for current information about ham radio exam sessions returning.



## Best contests for getting started

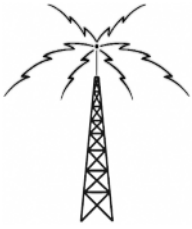
- Field Day (not really a contest in intention, but a proof of station capabilities)
- Rookie Roundup
- North American QSO Party
- State QSO Parties

In parting, set goals for yourself, have fun and always submit your logs as you never know if you can win!

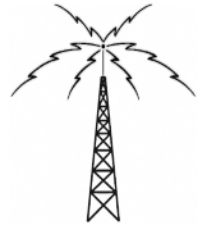


[Editor's note: Congratulations on the awards!]





# Over the W/W/Waves...



(Note: Some titles added by Editor. All links verified prior to publication.)

t's time to stop clicking your mouse button and start tapping that Morse code key!

## **MARS Announces HF Skills Exercise – 6/26/2020**

Members of the Military Auxiliary Radio System (MARS) will conduct an HF skills exercise July 20 – 24 to hone their operating skills and messaging-handling capabilities.

MARS members will be reaching out to the amateur radio community via the 60-meters Channel 1 Net (5330.5 kHz dial) twice a day, the SATERN HF net (14.265 MHz), and by contacting various stations via HFLink throughout the exercise. MARS members will be requesting assistance with collecting county status information as well as airport weather information, called METARs. MARS members will also be passing ICS 213 messages to numerous Department of Defense (DoD), federal, and amateur radio addressees.

This exercise will be announced via WWV at 00:10 and via WWVH at 00:50 starting on or about July 13. WWV and WWVH listeners will be asked to take an online listener survey. This HF radio training event will not impact regular communications.

— Thanks to Paul English, Chief, Army MARS

Source: <http://www.arrl.org/news/mars-announces-hf-skills-exercise>

## **Radio Amateur's Call for Help Relayed from across the Atlantic – 06/25/2020**

When Richard Tashner, N2EO, of Massapequa, New York, suffered a medical emergency on May 18, his DMR radio was closer than his phone. His call for help was answered by Maxis Johnston, GM0MRJ, who put out a call for “anyone in the states.”

Kent County Amateur Radio Club member Ken Dix, KB2KBD, in Delaware heard the call on the local 146.91 MHz repeater, which was linked to the North American talk group. Dix called authorities in Tashner's vicinity, and help was dispatched.

Dix said the dispatcher in New York was able to hear part of the call and was amazed at how an amateur radio communication had gone from New York to Scotland to Delaware and then back to New York. The dispatcher expressed surprise at how quickly the information had been relayed across the Atlantic. The Delaware repeater, at the Delaware State Communications complex, is set on C4FM Fusion and linked to DMR on “America's Net.” — Thanks to the ARES E-Letter via Jerry Palmer, N3KRX

Source: <http://www.arrl.org/news/radio-amateur-s-call-for-help-relayed-from-across-the-atlantic>

## **CAMSAT CAS-6 Satellite Antenna Deployed, Transponder Activated – 06/23/2020**

CAMSAT reports that the VHF-UHF antenna on the CAS-6 satellite, launched last December 20, has been deployed and its linear amateur radio transponder activated. CAMSAT's Alan Kung, BA1DU, reports that the CW beacon and GMSK telemetry are not working properly at this time, with only carriers being transmitted.

“We will try to diagnose and then determine whether the CW and telemetry data stream transmission can be recovered,” Kung said.

The U/V linear transponder uplink is 435.280 MHz, with the downlink at 145.925 MHz. The inverting passband is 20 kHz wide. The CW telemetry beacon is on 145.910 MHz. The AX.25 4.8 kbps GMSK telemetry frequency is 145.890 MHz. — Thanks to Alan Kung, BA1DU

Source: <http://www.arrl.org/news/camsat-cas-6-satellite-antenna-deployed-transponder-activated>

Do you have any favorite links? Send them to the editor [\[\[at\]\] austinhams.org](mailto:austinhams.org)



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

```

CABRILLO  
CENTENNIAL  
CONTEST  
DESTROYER  
EMERGENCY

INDEPENDENCE  
MARS  
MUSEUM  
PARKS  
PEACE

PROPAGATION  
SATERN  
SURVEY  
TELEMETRY  
VOLGA

## June Survey Results

Well... A disappointing attempt. The survey was open May 24 to July 4. Only three responses. We won't be doing any more surveys. :( In the following results, the number of matching responses is in parentheses.

How long have you had your amateur radio license? (2) Greater than 50 years; (1) 25-50 years

Interests in amateur radio: (1) General, (2) Dxing, (2) Amateur radio satellites, (2) Emergencies/Disaster preparedness, (1) Contests, (2) Digital, (2) Antenna building, (3) Electronics/Kits, (2) Repeaters, (1) VHF/UHF, (2) HF, (1) Learning about Solar Cycles, (1) Writing articles for newsletter or website

How many transceivers do you own? (1) 3/ (1) 5 / (1) 9

Participation planned for Field Day? (1) With a group of friends/family; (1) Home only; (1) Not sure, want to do something

## Action on the Airwaves

Looking for a way to "get out" during COVID-19 lockdown?

This is just a *sample* of the special events stations.

Check out more [activities on the air!](#)

**NOTE: Due to COVID-19 and shelter-in-place orders around the country, some events may be canceled, postponed, or modified without notice. Check the respective links for current info.**

### 07/04/2020 | Independence Day Observance

Jul 4, 1630Z-2130Z, W5KID, Baton Rouge, LA. Baton Rouge Amateur Radio Club. 14.250 14.035 7.225 7.035. QSL. USS KIDD Amateur Radio Club, 305 S. River Road, Baton Rouge, LA 70802. Operation aboard the USS KIDD (DD-661), WW II Fletcher class destroyer.

<https://www.qrz.com/db/w5kid>

### 07/11/2020 | Dalton Gang SES

Jul 11-Jul 13, 1700Z-2359Z, W5D, Adair, OK. Mayes County Amateur Radio Club. 14.240 7.225 3.850. QSL. MCARC, P.O. Box 1195, Spavinaw, OK 74366. MCARC@qsl.net; <https://www.qrz.com/db/w5d> or <https://www.mcarc.me/>

### 07/11/2020 | Peace Cross Celebration

Jul 11, 1300Z-1900Z, N3V, Lanham, MD. American Legion Post 275. 7.275; 145.43 PL114.8. Certificate & QSL. The American Legionpost 275 TALARC, 8201 Martin Luther King Jr. Hwy, Lanham, MD 20706. QSL cards & certificate can be obtained with SASE. wa3dvo@gmail.com or <https://www.qrz.com/db/n3v>

### 07/11/2020 | USS Midway Museum Ship Special Event Independence Day

Jul 11, 1600Z-2300Z, N6IW, San Diego, CA. USS Midway (CV-41) Museum Ship. 14.320 7.250 14.070 (PSK31) D-STAR on various reflectors. QSL. USS Midway (CV-41) COMEDTRA, 910 N Harbor Drive, San Diego, CA 92101.

### 07/12/2020 | Iowa State Parks On-the-Air Centennial – Volga River

Jul 12, 1500Z-1900Z, W0OEL, Fayette, IA. Rural Iowa Amateur Radio Club. 14.240 7.240. Certificate & QSL. Great River Amateur Radio Club, P.O. Box 1384, Dubuque, IA 52004. IASPOTA-2020 Located in one of the most scenic parts of the state. Northeast Iowa is often referred to as "Little Switzerland" because of its rugged topography, rock outcroppings and forest cover – a sharp contrast to the rolling hills, farmland and scattered stands of timber found in the majority of the state. Certificate & QSL managed by Great River Amateur Radio Club, P.O. Box 1384, Dubuque, IA 52004. QSL for contact; certificate for 5 parks. See website for complete information, <http://www.w0dbq.org/rules> or <https://www.w0oel.com>

*Trivia:* There is also a Volga River in Russia. It is the largest river in the country at 2,194 miles long. Some of the largest reservoirs in the world are located along the Volga.

### 07/20/2020 | EAA Airventure 2020 - EVENT HAS BEEN CANCELLED



## AARC Monthly Meeting Info

Tuesday, July 7, 2020 / 7:00pm to 9:00pm

Location: ONLINE - Email invite  
See Page 2 for more info

Meeting Topic  
TBA

Solar Wx Summary, by Lew, W5IFQ

## Upcoming Amateur Exams: 2020

ARRL VE - Please visit  
[http://www.austinsummerfest.org/VEC/ARRL\\_1st\\_Sat\\_Exams.html](http://www.austinsummerfest.org/VEC/ARRL_1st_Sat_Exams.html)  
for details and list of scheduled exams.

**July exam is CANCELED** / August is pending

For more info, contact:

Joe Makeever, W5HS (512-345-0800)

W5YI VEC - **July Exam-CANCELED** / August is pending  
2 p.m. In Room 118, Fleck Hall,  
St. Edwards University. \$14 fee.

For more info, contact:

Craig, AC5KW [at] ARRL.net

## 2020 - Calendar of Events

### July 11 – Tidelands Texas City Hamfest

8:00 am - 2:00 pm

Charles T. Doyle Convention Center, 2010 5th Avenue  
North, Texas City, TX 77590 United States

Talk-in: 147.14 MHz Tone 167.9

(Secondary) 442.025 MHz Tone 103.5

<https://www.tidelands.org/> Email: hamfest@tidelands.org

Yahoo Group replaced with: <https://groups.io/g/tidelands>

### Jul 24-25 – Central States VHF Society Conference

NOTE: **Postponed until 2021 due to COVID-19 threat.**

2021 dates will be July 30-31, 2021

### Aug 7-8 – Austin Summerfest

**Canceled due to COVID-19 threat.**

<http://www.austinsummerfest.org/>

### Aug 22-23 – Huntsville Hamfest & ARRL Southeastern Division Convention

**Canceled due to COVID-19 threat.**

Future Dates:

Aug 21-22 2021, Aug 20-21 2022, Aug 19-20 2023

<https://hamfest.org/>

Contact- <https://hamfest.org/contact-us>

### Oct 2-3 – Belton Ham Expo (Fall)

Bell County Expo Center, 301 W Loop 121, Belton, TX

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

### Oct 3 – Deep South ARC Hamfest

Deep South Amateur Radio Club / J. C. Davis Auditorium

400 Thompson Blvd. Chickasaw, Alabama 36611

Sandy 251-232-1938 or usnamom@bellsouth.net

<http://k4dsr.com/>

### Oct 17 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

Talk-In Frequency- 147.08(+) 107.2 PL

<https://squareup.com/store/south-texas-hamfest>

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

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

### Oct 23-24 73rd Annual Texoma Hamarama

Ardmore Convention Center

2401 North Rockford Road Ardmore, OK 73401

Talk-In: 146.970 - (PL 131.8)

For latest updates on Texoma Hamarama, send your email  
address to: texomahamarama@gmail.com

[www.hamarama.org/](http://www.hamarama.org/)

### Jan 23-30th 2021 7th MPMT 7-days Ham Cruise

### Feb ?? 2021 - 30th Annual Lou Withrow Austin/South

Central Texas SkyWarn; more info when date is set

ACC Eastview Campus, Building 8500

3400 Webberville Road, 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>



## Upcoming Meetings...

July	Aug.	Frequency	Austin Meetings/Happenings	Time	Address
7	4	1st Tuesday	AARC Meeting @ ONLINE	7:00pm	ONLINE - See page 2
23	25	4th Tuesday	Travis County ARES @ ON-AIR	7:00pm	ONLINE - See groups.io message
21	18	3rd Tuesday	CTDXCC @ Baby Acapulco	6:30pm	9505-B Stonelake Blvd

\* Note: Meetings may occasionally change date or location due to holidays or other events. Check here or their respective websites for updates.

If your club is listed here and has incorrect time or dates, please let us know!

Email: editor [at] austinhams.org

Please include complete details of what needs to be updated.

**DUE TO COVID-19 (coronavirus), in-person meetings are CANCELED.**  
Some are being held online/on-air. Check with their respective leaders for info.

## Periodic Events - In the Area and On-the-Air

Sun	7:00 p.m.	Travis Co. ARES net	147.360 MHz - (131.8)
Sun	1900-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.	AARC 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	10:00 a.m.	Ham Social Brunch, 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, <b>ONLINE</b>	146.940 - (107.2)
		Contact Gene at <b>wa5ac</b> [[at]] arrl.net for instructions to receive invitation to meetings	
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+



I continually run out of material and am interested in articles for publishing in this newsletter. Personal experiences are fantastic! Have you worked or played with a new technology? 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

### IMAGE CREDITS

Page: Over The WWWaves - Image: Radio Wave background image © Can Stock Photo Inc. / Italianestro

Page: Just For Fun- Image: Fun Zone, © Can Stock Photo / iqoncept

Title page: © Can Stock Photo / ladyluck7711

# Minutes of the Regular Membership Meeting of June 2, 2020

## The Austin Amateur Radio Club (AARC)

Online Meeting on Zoom hosted by Mark Jenkins & Clear Blue Sky Digital

June 2, 2020 @ 7:00 p.m.

Kerby Spruiell, President, opened the 3rd Monthly meeting on Zoom at 7:02 p.m. and AARC Board Officers introduced themselves.

### New Members & Visitors

AI5OS	Justin Mann, new call	-	Doug, no call yet
KI5IYU	Kurtis Seebaldt, from Plano, TX	-	Eva Kadirvel, no call yet
K7TVA	David Lorang, moved from Portland area	K5GM	Pete Jordahl
AB1LB	Alan Capewell, in Mass.	WG5V	Frank Zavisca
KE5RAP	Donna Montgomery	K7AJB	Eric
KA8ULI	Gary Montgomery	K5EPD	Eric Dreher

### Old Business

Ham of the month for May is Lew Thompson W5IFQ, Solar Weather Reports

Ham of the month for June is Michael Skurka, K5MSK, Editor of website and AARC Monthly Newsletter.

Treasurer Report – Mark Jenkins: 7 new members last month.

Approximately \$10,000 in combined checking and savings accounts.

Club owns and maintains five repeaters.

### Special Interest Groups (SIGs)

ARES EC Michael Marks

- Weather Nets: Three weather nets in May with approximately 87 hours on SkyWarn nets
- May 30th Red Cross Drill – National Exercise with 178 participants in Texas. Moved over 300 Pieces of traffic. 21 counties participated. TCARES.org

Technical Committee – Roy Walker – All repeaters are working.

**COVID-19** – Shelter in Place. Group meetings are encouraged to use Zoom. Use your free time to join nets.

**Solar Weather Report** – Lew Thompson, W5IFQ, Program slides are on the [AustinHams.org](http://AustinHams.org) web site.

**ARRL Field Day 2020** – Lew Thompson, W5IFQ, 4th weekend of June, Sat/Sun June 27 & 28th Presentation on many antenna ideas for Field Day. ARRL modified rules for COVID-19. Allowed to use home stations this year. Operate with your own call sign and when score submitted give the name of the affiliated club (AARC is W5KA)

Meeting adjourned at 8:45 pm

Joan Cox, Secretary



**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:*

<b>Frequency (MHz)</b>	<b>PL Tone (Hz)</b>	<b>Use / Notes</b>
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 **auto-patch** capability any longer.

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**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	Kerby Spruiell	KG5DLD	president [at] austinhams.org
Vice President	Lew Thompson	W5IFQ	vice-president [at] austinhams.org
Treasurer	Mark Jenkins	W5MPJ	treasurer [at] austinhams.org
Secretary	Joan Cox	KD4SRD	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	Jimmy Earl	WB5MET	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.

