

AARC OVER

*KEEPING
AUSTIN
WIRELESS...
SINCE 1919*



*Now
IN OUR
101ST
YEAR!*



Bulletin of the
Austin Amateur Radio Club
ISSN 1067-0262

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November, 2020

Austin Amateur Radio Club Meeting will be held ONLINE!

Continuing adherence to social distancing mandates, the AARC meeting will be held online 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

Main Presentation Topic: **Ham Radio 101**

by N5MNW, Jeff Schmidt

Solar Weather, by W5IFQ, Lew Thompson

Time: **7 p.m. to 9 p.m.**, Central Time, **Tuesday, November 3, 2020**

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 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/>



AMATEUR RADIO EXAM - TEST RESULTS

No exam results for ARRL VEC for the previous month.

Please visit http://www.austinsummerfest.org/VEC/ARRL_1st_Sat_Exams.html for details and list of scheduled exams.

NOTE: **All in-person exams are canceled until further notice** as the test site is not available due to Church coronavirus contagion concerns.

TNX ES 73 DE W5HS

Joe

The South Austin W5YI VE exam for the previous month was canceled due to the closure of St. Edward's University in response to COVID-19.

All in-person exams are canceled until further notice as the test site is not available.

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@atgmail.com)

Please visit AustinHams.org for current information about ham radio exam sessions returning.



AARC Elections!

Yes! It's AARC Officer Election Time!

A whole year has passed since we elected our current officers. A lot has happened during that year. An event and situation that has affected our lives has dominated the news and everything we do - in the entire world! And a lot has not happened during that year. No in-person Field Day. No local in-person exams. Few to no Swap Meets. No in-person meetings; everything is online these days.

And we have a unique year when our club is electing its officers on the same day that we are also electing our President for the next four years. No. I'm not going to go on a political tirade or take extreme editorial freedoms and preach about going out to vote. Do what you feel is right. Vote (*or not*) for the candidate(s) and causes you want. But while you're contemplating the national elections, we have our own matter at hand:

AARC Elections for 2021 Officers!

I haven't heard any *rumblings* if our incumbents are willing to run for office for another term. But if you "sweet talk" them, they might be coerced into running to serve another year. And if you are interested in one of the positions, please, please, please run for a position! There's always room for "new blood" or a former officer coming back. And whoever is the elected Vice President, I'm sure she/he would appreciate assistance with the presentations for our monthly meetings! So please keep that in mind in the coming year.

Let's make the next year better than this one. Join us for the November meeting on Zoom! You should have received an invitation with meeting details in your email.

Vote for the **2021 AARC Officers**.

73 DE Editor

<rambling off>



Amateur Radio News & Information

ARRL Urges Members to Join in Strongly Opposing FCC's Application Fees Proposal

ARRL will file comments in firm opposition to an FCC proposal to impose a \$50 fee on amateur radio license and application fees. With the November 16 comment deadline fast approaching, ARRL urges members to add their voices to ARRL's by filing opposition comments of their own. The FCC Notice of Proposed Rulemaking ([NPRM](#)) MD Docket 20-270 appeared in the October 15 edition of The Federal Register and sets deadlines of November 16 to comment and November 30 to post reply comments, which are comments on comments already filed. ARRL has prepared a [Guide to Filing Comments with the FCC](#) which includes tips for preparing comments and step-by-step filing instructions. File comments on MD Docket 20-270 using the FCC's Electronic Comment Filing System ([ECFS](#)).

"We encourage all members to use the ARRL Guide to file comments opposing the imposition of the proposed \$50 application fee," ARRL President Rick Roderick, K5UR, said. "Let's highlight amateur radio's long history of public service."

Under the proposal, amateur radio licensees would pay a \$50 fee for each amateur radio application for new licenses, license renewals, upgrades to existing licenses, and vanity call sign requests. The FCC has also proposed a \$50 fee to obtain a printed copy of a license. Excluded are applications for administrative updates, such as changes of address, and annual regulatory fees. Amateur Service licensees have been exempt from application fees for several years.

The FCC proposal is contained in a Notice of Proposed Rulemaking ([NPRM](#)) in MD Docket 20-270, which was adopted to implement portions of the "Repack Airwaves Yielding Better Access for Users of Modern Services Act" of 2018 -- the so-called "[Ray Baum's Act](#)." The Act requires that the FCC switch from a congressionally-mandated fee structure to a cost-based system of assessment.

The FCC NPRM proposes application fees for a broad range of services that use the FCC's Universal Licensing System (ULS), including the Amateur Radio Service. The 2018 statute excludes the Amateur Service from annual regulatory fees, but not from application fees. The proposal affects all FCC services and does not single out amateur radio. As the FCC explained in its NPRM, Congress, through the Ray Baum's Act, is compelling regulatory agencies such as the FCC to recover from applicants the costs involved in filing and handling applications. Read [more](#) and visit [ARRL's summary page](#) for the proceeding.

ARRL Podcasts Schedule

The latest episode of the On the Air podcast (Episode 10) includes an interview with ARRL Lifelong Learning Manager Kris Bickell, K1BIC, about ARRL's new "Learning Network" webinars.

The latest edition of Eclectic Tech (Episode 19) discusses radiosondes and how hams can receive their telemetry, in addition to a discussion about power supplies with Bob Allison, WB1GCM, of the ARRL Lab.

The On the Air and Eclectic Tech podcasts are sponsored by Icom. Both podcasts are available on iTunes (iOS) and Stitcher (Android), as well as on Blubrry -- [On the Air](#) | [Eclectic Tech](#).

(continued)

New Zealand Radio Amateurs Lose Access to 60 Meters

Radio amateurs in New Zealand no longer have access to 60 meters, effective on October 24. Use of the band by radio amateurs in New Zealand was provisional, allowing hams there to use two frequencies in the band -- 5353.0 kHz and 5362.0 kHz -- as part of a "trial."

New Zealand Association of Radio Transmitters (NZART), the national amateur radio organization, said the New Zealand Defence Force (NZDF) advised the organization that it was not willing to approve another renewal of the 5 MHz trial allocation. NZART has indicated that it will continue to work with telecoms regulator RSM to see if other ways may be available to provide access to 5 MHz.

As in the US, the federal government and military are primary on the 5 MHz band. According to NZART, the decision was not made lightly by NZDF, but said access to that part of the HF spectrum is necessary to support NZDF's new platforms, tactical radio equipment, and updated HF site equipment in the delivery chain.

"Additionally, access to HF is a key part of their communications plans both in New Zealand and to support our forces overseas," NZART explained. "While this is a disappointing outcome, NZART would like to thank NZDF for allowing us to take part in the trial, and we look forward to working with them in the future on matters of common interest." -- Thanks to Paul Gaskell, G4MWO/The 5 MHz Newsletter

Oldest Known US Radio Amateur, Cliff Kayhart, W4KKP, SK

Charles Clifford "Cliff" Kayhart, W4KKP, of White Rock, South Carolina, died on October 26, a few days past his birthday. An ARRL member, he was 109 and the oldest known US radio amateur and possibly the oldest ham in the world. [Read more.](#)

Fldigi Could be a Tool in the November Frequency Measuring Test

A new frequency-measuring test mode added to the digital communication program [Fldigi](#) -- developed by Dave Freese, W1HKJ -- makes the program useful for the Frequency Measuring Test ([FMT](#)) on November 13. The new test mode replaces frequency analysis mode, making Fldigi useful for FMT participants. Fldigi can still measure an unknown frequency to three decimal places (i.e., to 1 mHz), but it can also use a reference frequency to correct the unknown calculation for inaccuracies of the receiver. (An [article](#) by Bob Howard, VE3YX, details the use of Fldigi in the FMT.)

Very little equipment is necessary to participate in the FMT. A software-defined radio (SDR) accessed by the internet will work; check out the GPS-stabilized SDRs [Kiwi SDRs](#). A hardware cable or a virtual cable can connect SDR audio to the Fldigi input. Calibration will be required.

While older rigs can be used, Fldigi works best with a rig that can be controlled by a serial or USB connection from the PC to set the VFO with 1 Hz resolution. Some rigs display frequency to 1 Hz. Others only display to 10 Hz but can be set by the PC to 1 Hz. Most rigs dating from about 1995 and later will work well. Fldigi needs to know the frequency that the radio thinks it is tuned to or the frequency that you think it is tuned to.

The new FMT modem works best with a reference signal injected along with the FMT transmitted signal -- the FMT's unknown signal. The reference signal must have some accurately known frequency that can be set near the unknown frequency (within 1 kHz or so). The reference can be a signal generator stabilized by a GPS Disciplined Oscillator (GPSDO) that can easily be set to output a useful frequency. Using Fldigi's new FMT modem without a reference can still provide good results, but requires careful calibration.

ARRL sponsored earlier FMTs. The first ARRL FMT took place in [1931](#). Back then, it was required that Official Observers participate and meet certain standards.

ARRL Logbook of The World has harmonized the designation of FST4 Protocol.

The Logbook of The World (LoTW) Committee worked with WSJT-X developer Joe Taylor, K1JT, to harmonize the designation of FST4 among WSJT-X, the ADIF standard, and LoTW. At present, FST4 is only supported in a [recently released beta version](#) of WSJT-X. The action was to avoid the sort of confusion that cropped up among LoTW users logging contacts in FT4 when that protocol was first included in WSJT-X. The update should help users avoid difficulties and obtain the maximum number of contact matches. The ADIF standard has been updated to support FST4 as a sub-mode of MFSK, and configuration file CONFIG.xml for LoTW has been updated to version 11.13, accordingly, to support FST4. Users will be offered the update when they run TQSL. -- Thanks to Greg Widin, K0GW

Digital AM Broadcast

The FCC has adopted a Report and Order that allows AM radio stations to operate using all-digital broadcast signals. "AM broadcasters will be able to voluntarily choose whether and when to convert to all-digital operation from their current analog or hybrid analog/digital signals," the FCC said. "All-digital broadcasting offers AM listeners significantly improved audio quality and more reliable coverage over a wider listenable area than analog or hybrid digital broadcasts. It also allows broadcasters to provide additional services to the public, such as song title and artist information."

FCC Headquarters Relocates

FCC Headquarters has moved. The new address is 45 L St. NE, Washington, DC 20554. The change is effective immediately. The FCC announced plans to move last spring, but the transition was delayed by the COVID-19 pandemic.

The FCC, like many federal agencies, has its own ZIP code, so there will be no disruption in mail delivery sent by USPS to the former address. The FCC still prohibits the delivery of hand-carried documents, and all COVID-19 restrictions or instructions regarding access to FCC facilities remain in place at the new location.

"The FCC continues to balance its efforts to be accessible to the public with the need for heightened security and health and safety measures and encourages the use of the Commission's Electronic Comment Filing System (ECFS) to facilitate the filing of applications and other documents when possible," the FCC said in an [October 15 Public Notice](#).



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?

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

BROADCAST
DIGITAL
ELECTION
FREQUENCY
GETTYSBURG

HEADQUARTERS
LIGHTHOUSE
OFFICERS
PODCAST
PROTOCOL

REFERENCE
RESOLUTION
RULEMAKING
SECURITY
VETERANS

This special event will be on the VoIP EchoLink system roc-ham conference/531091 dodropin conference/355800, 1pm EST till 5pm EST 17:00 UTC to 21:00 UTC, as well as on ALLSTAR node 2585, 47620, 47918. All those who participate will be eligible for a special event QSL card. For more info please email John Derycke, Special Event Coordinator at w2jld2@gmail.com

11/10/2020

157th Anniversary of Lincoln's Gettysburg Address

Nov 10-Nov 20, 1100Z-0500Z, WO4L, W1G, East Berlin, PA. WO4L. 18.155 14.275 7.180; FT 8 all. Certificate & QSL. Robert Hess, 74 Curtis Dr, East Berlin, PA 17316. Please use QSL instructions on QRZ for W1G or WO4L to receive a Full Color certificate 11 x 14 and/or QSL card PLEASE NO LOTW ... ONLY EQSL or Direct bigbob7388@gmail.com

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.

11/01/2020

4th Annual 27 Lighthouses in South West Desert

Nov 1-Nov 11, 0000Z-0023Z, K7LHC, Lake Havasu City, AZ. London Bridge Amateur Radio Association. 21.300 18.145 14.250 7.250. Certificate. LBARA, P.O. Box 984, Lake Havasu City, AZ 86405. www.lbara.org

11/01/2020

Veterans Day

Nov 1-Nov 14, 0000Z-0000Z, N5VET, Cleburne, TX. Club KC5NX. 14.235 14.270 14.045 7.235. QSL. Club KC5NX, 9200 Summit Court West, Cleburne, TX 76033. We will be back on the air again this year for our Annual Veterans Day Special Event. Please QSL to Club KC5NX with SASE. We will have multi operators and will be on as many bands as possible. club.kc5nx@gmail.com or <https://www.dxwatch.com/dxsd1/dxsd1.php?f=0&c=N5VET&t=dx>

11/02/2020

45th Anniversary, Sinking of SS Edmund Fitzgerald

Nov 2-Nov 16, 0000Z-2359Z, W8F, Livonia, MI. Livonia Amateur Radio Club . 14.260 14.040 7.240 7.040. Certificate. Tas Foley, K8TAS, 37255 Eureka Rd., Romulus, MI 48174. On Saturday, November 14, W8F will operate from the Dossin Great Lakes Museum on Belle Isle, Detroit MI 1600-2000 UTC. Certificate: SASE to K8TAS livoniaarc.com/

11/07/2020

Florence Nightingale Bicentenary 2020

Nov 7-Dec 4, 1800Z-2000Z, GB200FN, Romsey, UNITED KINGDOM. RSGB. 14.210 3.665. QSL. John Wakefield, Oakhurst, Lower Common Road, Romsey SO51 6BT, UNITED KINGDOM. <https://www.qrz.com/db/gb200fn>

11/09/2020

Hedy Lamarr Day 2020

Nov 9, 1300Z-1700Z, N9H, Rochester, NY. Roc-Ham Special Events. VoIP EchoLink ROC-HAM/531091, DODROPIN/355800; ALLSTAR 2585, 47620, 47918. QSL. John Derycke, W2JLD, 85 Amherst St, Apt 2, Rochester, NY 14607. This will be the 4th straight year in a row we celebrate the achievement of a woman who brought us the spread spectrum technology that we use today. We have secured the special event call sign N9H.

(continued in left column)



AARC Monthly Meeting Info

Tuesday, November 3, 2020 / 7:00pm to 9:00pm

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

Meeting Topic

Ham Radio 101

By Jeff Schmidt, N5MNV

Solar Wx Summary, by Lew, W5IFQ

Upcoming Amateur Exams: 2020

ARRL VE - Please visit

http://www.austinsummerfest.org/VEC/ARRL_1st_Sat_Exams.html
for details and list of scheduled exams.

All exams CANCELED until further notice

For more info, contact:

Joe Makeever, W5HS (512-345-0800)

W5YI VEC - All exams CANCELED until further notice

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

Oct 10 – Deep East Texas Amateur Radio Club tailgate sale

Per Terry W5PCJ: Grace Baptist church in Lufkin Texas, same location as last year. Tailgating starts at 8am. Sellers are asked to pay \$5 for a donation to the church for the use of the space.

<http://detarc.net/>

Nov 5-Jan 21 – K3RA General Class course on Zoom

Roland Anders K3RA is starting a General Class course on Zoom Thursday, November 5, and running for 9 sessions. Due to holiday breaks, the course ends Jan 21. Sessions will start at 6:30 EST, and run 3 hours. No charge, of course. Classes sponsored by the National Electronics Museum - K3NEM:

<http://www.k3nem.org/node/399> (General for 2020)

<http://www.k3nem.org/node/10> (Tech, General, Extra info)

Those wishing to sign up should email:

roland.anders@comcast.net.

Decker Lake Challenge has been officially **canceled due to COVID-19 threat**

2021 EVENTS

Feb ?? 2021 – (will update when the date is set) 30th Annual

Lou Withrow Austin/South Central Texas SkyWarn

9 am to 4 pm - BASIC & ADVANCED TRAINING

(by NWS Austin/San Antonio)

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

Hosting the ARRL Texas State Convention

2021 Greater Houston HamFest will be our 20th year

Fort Bend County Fairgrounds, 4200 Highway 36, Rosenberg TX-
Friday, March 05, 2021 12 pm to 8 pm - Vendor Setup Only

Saturday, March 06, 2021 Setup - 6AM - 8AM

Main event - 8AM - 2PM

Talk In 146.94 / Tone 167.9

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

HamFest Hotline 401-584-GHHF (4443)

713-502-5896 and/or 713-569-8799

Mar 13-14 2021 – QSO Today's Virtual Ham Expo!!

Next in the series of fine on-line conventions

First one was August 2020

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

May 1-2 2021 – MS-150 Bike Ride

Sign-up information will be available on

<http://texasms150hams.org/>

Oct 16 2021 – 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(+)-107.2PL

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

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

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

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

Mar 5-6 2021 – Greater Houston Hamfest (Rosenberg)



Upcoming Meetings...

| Nov | Dec | Frequency | Austin Meetings/Happenings | Time | Address |
|-----|-----|-------------|-----------------------------|--------|---------------------------------|
| 3 | 1 | 1st Tuesday | AARC Meeting @ ONLINE | 7:00pm | ONLINE - See page 2 |
| 24 | - | 4th Tuesday | Travis County ARES @ ON-AIR | 7:00pm | ONLINE - See groups.io for info |
| 17 | 15 | 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, ONLINE | 146.940 - (107.2) |
| | | Contact Gene at wa5ac [[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 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

Minutes of the Regular Membership Meeting of October 6, 2020

The Austin Amateur Radio Club (AARC)

This is the Club's 7th General Meeting on Zoom.

Mark Jenkins, W5MPJ, Treasurer, hosts the Zoom meetings

Kerby Spruiell, KG5DLD, President, started the meeting at 7 pm with a slide presentation

Lewis Thompson, W5IFQ, Vice President; Joan Cox, KD4SRD, Secretary

There were 50 people in attendance.

Applied Research Labs: not sure when we can meet in person at this location. Currently no groups over 20 people and must do temperature checks. Check back after the start of New Year. Regardless on when or where we do meet in person, Zoom will continue so more people can participate.

New Members and Visitors:

Keith Didion KD1QO

Schuyler Hupp N5ADX

New Calls or Upgrades:

Steve Fleming KI5LFQ

Jim Kelly KJ5KJ (from Spring, TX)

Ham of the Month for October:

Michael Marks, ARES Emergency Coordinator for almost two years

Old Business:

Treasurer, Mark Jenkins – Six new members paid dues in September. We have approximately \$10,000 in checking and savings accounts. Memberships fund what we do and all of the Repeaters. A number of emails bounced this month so log into AustinHams.Org and Update your email.

Special Interest Groups:

ARES - Michael Marks KG5RXG

SET is October 24th, Saturday, There are 21 sites in Austin. Need people to step up and volunteer for Critical Infrastructure checks.

CTECC – still not sure if we can use for this exercise.

Technical Committee – Roy Walker

146.88 is back up along with 444.1. All repeaters are now functioning. AC in building is still not working

New Business: None

Programs:

Solar Weather – Lewis Thompson, W5IFQ

Excellent report. (Slide presentation will be made available later on the AustinHams.org web site. Not available as of publishing date. -Editor)

WSPR – Michael Skruka, K5MSK (Weak Signal Propagation Reporting)

WSPRnet.org. Excellent explanation of WSPR. Please find the slide show on AustinHams.org
(Click **Technical** on the top menu to see the list of presentations. -Editor)

Adjourned at 8:48 pm

Submitted by Joan Cox KD4SRD, 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:

| 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 **auto-patch** 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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