

# AARC OVER

*Keeping  
Austin  
Wireless...  
Since 1919*



*Now  
in our  
101st  
Year!*

## Bulletin of the Austin Amateur Radio Club

ISSN 1067-0262

### In This Issue

Zombie Apocalypse (Emergency Communications)	2
Ham Radio Test Results	3
Main article (continued)	4-5
Over the WWaves...	6
Silent Keys (WA5UWI, WB5FGZ)	"
Featured Hamfest #1 - Belton	7
Featured Hamfest #2 - Williamson County	8
Just for Fun	9

### March, 2020

Meeting info	10
Upcoming Exams / Calendar of Events	"
Upcoming Meetings / Periodic Events	11
Meeting Minutes / <b>Scholarships Available!</b>	12
Club Info:	13
Repeaters / Officers / Contact info	"
Scholarship Application	(last page)

At the recent IEEE Rising Stars Conference (<https://ieee-risingstars.org/>) in Las Vegas, Nevada, I took over 100 undergraduate and graduate level Engineering students (and two undercover FBI agents) through a “Zombie Apocalypse” workshop. In it they were introduced to the International Telecommunications Union (ITU) alphabet used in Emergency Communications (EMCOMM), radio operation, serial voice communications nets, and made their very first VHF/UHF radio contacts. Following the workshop an FCC licensing exam session was held and twice the expected number of people passed with their newly minted FCC Amateur Radio licenses.

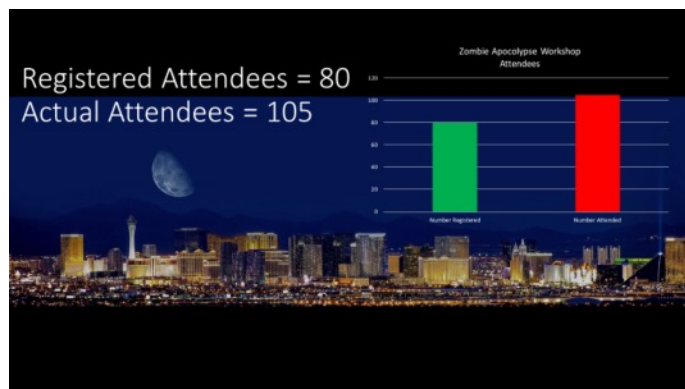
Walk with me through the workshop highlights and see the amazing results, what worked, what the bottlenecks were and what failed.

## Zombie Apocalypse / Emergency Communications

by Phil Bautista, AA5EX

For the first time in the history of the IEEE Rising Stars Conference, we held a workshop focused on Emergency Communications. Participation was limited to 80 but we had over 100 in attendance!

The workshop had multiple objectives. Since it is a pre-conference activity and attendees come from all over the world, many of them will meet new people and make new acquaintances. Two goals for workshops are to provide an educational component as well as a technical component. The workshop accomplished both goals and provided an opportunity for participants to introduce themselves to each other before spending the following two days attending a wide variety of sessions ranging from 3-D printing in space, to IOT, 5G, AI, Blockchain, and other cutting-edge technologies.



While the IEEE Rising Stars Conference is focused on advanced technologies, the “Zombie Apocalypse” was focused on more basic concepts. With the proliferation of redundant power sources, multiple cellular carriers and a variety of internet providers we have come to rely on technology in order to communicate. But how would you communicate without a stable power grid, cell service and the internet?

Attendees were introduced to the International Telecommunications Union (ITU) phonetic alphabet used throughout Emergency Communications (EMCOMM) and Disaster Recovery (DR). Simulating a classroom environment, there were no printed handouts for the ITU alphabet but those present used time-tested techniques of reading the content (on the screen), writing it down (on paper), and then using it (verbalizing) in communicating during the workshop.

### ITU Alphabet

- |               |                |               |
|---------------|----------------|---------------|
| • A – Alpha   | • J – Juliet   | • S – Sierra  |
| • B – Bravo   | • K – Kilo     | • T – Tango   |
| • C – Charlie | • L – Lima     | • U – Uniform |
| • D – Delta   | • M – Mike     | • V – Victor  |
| • E – Echo    | • N – November | • W – Whiskey |
| • F – Foxtrot | • O – Oscar    | • X – X-Ray   |
| • G – Golf    | • P – Papa     | • Y – Yankee  |
| • H – Hotel   | • Q – Quebec   | • Z – Zulu    |
| • I – India   | • R – Romeo    |               |

(continued on page 4)

# HAM RADIO TEST RESULTS

**AARC congratulates the following individuals on their accomplishments!**

The following are the results of the ARRL VE test session held on February 1st, 2020 at Hope Presbyterian Church:

## Technician Class Licenses Processed

Cheryl L. Cantwell, KI5IAY  
Ibrahim Madera, KI5IAZ  
Diana I. Segura, KI5IAS

Aaron J. W. Dinger, KI5IAV  
Donald S. Morse, KI5IBA  
Brandon K. Sides, KI5IAU

Evan G. Jellison, KI5IAX  
Brian G. Musslewhite, KI5IAT  
Anthony R. Vickery, KI5IAW

## General Class Licenses Processed

Suzanne E. Arjona, KI5IBC

Costas N. Georghiades, KI5IBB

## Extra Class Licenses Processed

Kristofer D. Danner, AG5YB

Stephen K. Shultz, N5WDURick A. Smith, AG5YA

## *Examiners Participating in this Test Session*

Dave Anderton, AE5XY  
Mark Hunt, K5NM  
Joe Makeever, W5HS

Milt Cram, W8NUE  
Ted Iglehart, KF5END

Gene Hinkle, K5PA  
Arlen Levin, WA6AUF

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.

TNX ES 73 DE W5HS

Joe

2/16/20

The South Austin W5YI VE team heartily congratulates the following people who earned new or upgraded amateur radio licenses at our January 18, 2020 session:

## Amateur Extra Class

Read Boxby (NEW)

Michael Marks, KG5RXG

Jason Cox, KB5MPJ

## General Class

Evan Jellison, KI5IAX

## Technician Class (New)

Gary Adams  
William Hanf  
David Richard

Robert Bartolomei  
Marcus Hofmann  
Collin Ma

Tyson Marsh  
Chad Shultz  
Alesandro Acevedo

## *Examiners Participating in this Test Session*

Craig Bean, AC5KW  
David Glosson, N5DPG

Albert Karch, N5OVH

Jim Matthews, KG5QFD

Our next two amateur radio exam sessions will start at 2 PM on March 21 and April 18, 2020 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)



## Generating Your ID for this workshop

- Form Groups of 10
- Use the format listed below and substitute your First Initial, Last Initial and Group Number
- Z – Zombie
- A – Apocalypse
- # - Your Group Number 1-8
- A-Z - (First Name Initial)
- A-Z - (Last Name Initial)

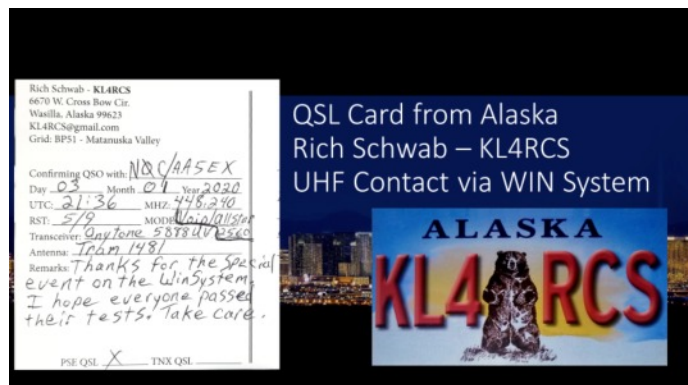
Example: John Doe in Group 4 = ZA4JD  
 • “Zulu” “Alpha” “Four” “Juliet” “Delta”

Generating a unique ID for each person, the participants set out to walk around the room and “Meet Your Fellow Zombies” by exchanging their ID, favorite color and home city with each other. It was fascinating to see them pronouncing “Zulu, Alpha, 5, Juliet, Sierra” (the ID for John Smith in the 5th group of 10 for the Zombie Apocalypse workshop) most of them using the ITU alphabet for the first time.

Following this, each team of ten were dispatched in pairs to one of five tactical stations (“Whiskey” Station – for water, “Mike” Station – for Medical, etc.) and each pair given a radio. During our directed “net”, each team was to remain radio silence until called by “net control” to 1) check in (first round), then 2) provide status (second round) as in “two bottles of water”, or “five band-aids”.

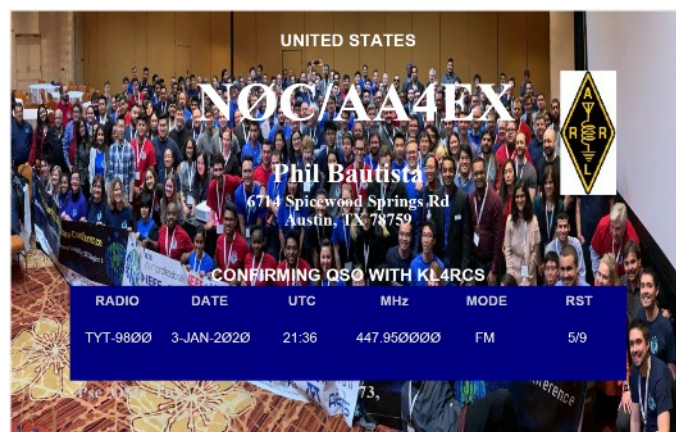
## Managed Tactical Net Simulation

- Dispatch Two team members to each Tactical Station
- Listen for your Tactical Station to “check in”
- One person “checks in” with their own ID and Tactical Station name
- Alternate person responds to Net Control with Tactical Station status
- Tactical Stations –
- Water Bottle Station “Whiskey” Tactical Call
- Medical Station “Mike” Tactical Call
- Food Station “Foxtrot” Tactical Call
- Battery Station “Bravo” Tactical Call
- Supply Station “Sierra” Tactical Call



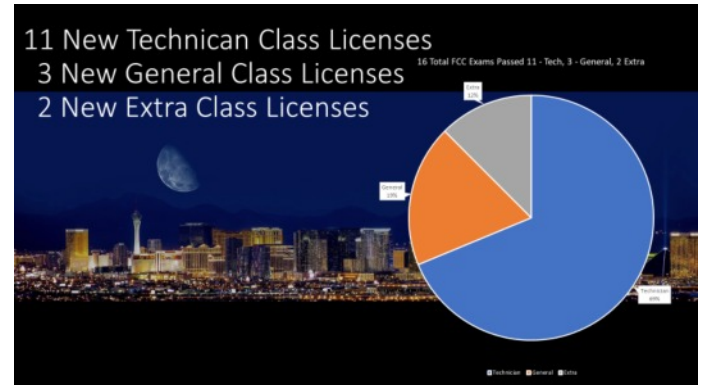
After overcoming the “Mic Fright” of talking on the radio (first time for many), they paired up with one of the FCC licensed Amateur Radio Operators and used local Ham Radio repeaters to make their first radio contact with other licensed operators. One of our repeaters was connected to a repeater system that reached from Australia to the UK and many places in the CONUS. The operators we contacted were thrilled to participate in our exercise and wished our teams the best of luck in the next day’s FCC exam session. We received a “QSL” post card from Alaska with just such comments.

We created our own QSL card using the group photo and our Special Event Callsign (November Zero Charlie) and sent it to the station in Alaska that has participated in our event and wished our teams luck with their subsequent FCC exams.





The following day 33 people took one or more of the FCC proctored exams and 16 passed earning their FCC Amateur Radio License resulting in 16 new Technician, 3 new General and 2 new Amateur Extra class licenses! The team in Las Vegas that volunteered their time to administer and proctor the exams noted that we had twice the number of people that normally turn out for a testing session such as this.



Thanks goes to the IEEE Life Members for funding this workshop without which we would not have been able to provide the educational and technical experience to our attendees!

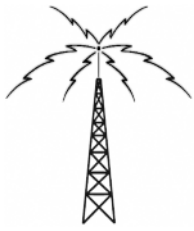
The workshop was so well received that we have already begun planning the *Zombie Apocalypse 2.0* workshop for next year. Stay tuned for next year's results as we step our game with Software Defined Radio and leverage technologies such as contacting the International Space Station and digital communication.



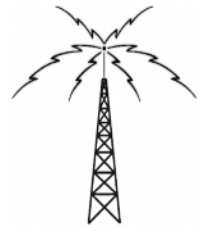
### About the Author

Mr. Phil Bautista (AA5EX) – Mr. Bautista is an Extra Class Amateur Radio Operator, Senior IEEE Member, member of Amateur Radio Organizations in Virginia and Texas, and an Officer in the Travis County Amateur Radio Emergency Services (ARES) with experience operating in multiple countries. He is a Senior Consultant and CEO of Bull Creek Data Corporation headquartered in Austin, TX, serving the private and public sectors, with recent responsibility for the transition of the 116 Congress for the United States House of Representatives. In 1981 he led his team to develop his idea for the world's first microprocessor-controlled SCUBA diving computer which won first place in the IEEE Student Engineering Contest. He serves on the planning committee for the IEEE Rising Stars Conference and leads the Production Management team for the conference.





# Over the W/W/Waves...



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

## A Down Under Special Event

A Down Under special event will use former Radio Australia international broadcast antennas. Over the March 14 - 15 weekend, members of the Shepparton and District Amateur Radio Club (SADARC) in Australia will be on the air as VI3RA (Radio Australia), connecting their transceivers to the curtain array and rhombic antennas at the former Radio Australia site in Shepparton. Radio Australia ceased transmitting from the site in 2017. VI3RA will operate on 40, 30, 20, 17, and 15 meters. "Local amateurs will be given the unique opportunity to explore the use of high-gain antennas whilst giving amateurs throughout the world a unique opportunity to contact a station using such high-gain antennas," said SADARC President Peter Rentsch, VK3FPSR (Australia's call sign structure accommodates four-letter suffixes). "This is a rare opportunity for amateur radio operators, who are only allowed a peak output power of 400 W in Australia when compared to 100 kW of Radio Australia transmitters to hopefully achieve some remarkable communication outcomes. We expect to get a gain of 15 dB on the lower frequencies and at least 20 dB on 21 MHz." The special event is being conducted in cooperation with BAI Communications (Broadcast Australia). More information is on the [club's website](#).

[Source: The ARRL Letter, February 20, 2020, DE K5FNI, Rick]

## House QRM? Check your house electrical circuits...

Do you suspect radio interference could be coming from circuits around your house? Not sure? A somewhat easy and effective troubleshooting practice is to run your radio on battery power (you *do* have emergency power - right?!), turn off the electricity at the breaker panel and turn on only one circuit at a time to identify the source of interference. It definitely helps to have a second person help you with this task if your rig is not near the breaker panel. When you identify a circuit as the culprit, then you'll need to unplug everything (yes, everything) on that circuit and plug only one back in at a time until you find the source of interference. Don't stop at the first device! Keep testing every device because more than one could be causing your QRM. And don't stop at the first breaker for the same reason.

While you're doing all that work, you should probably map out your electrical circuits, if you haven't already. Here is a short article to help with that task.

<https://www.hometips.com/diy-how-to/electrical-circuits-house-wiring.html>

(DE K5MSK, Michael)



## Silent Keys

**Sam H. Holt III, WA5UWI (SK)**, born August 3, 1943, passed away on Friday, February 14, 2020 at St. David's. He was 76. He was laid to rest on February 19 at the Yoakum Restland Memorial Park on Hwy 77, east of Yoakum, TX. A celebration of his and his life partner's (George D. Harvey, W5NFC [SK 8/14/2016]) lives will be held at a later date.

[DE Cindy Holt Henderson. Email: [sorchenderson //at// gmail.com](mailto:sorchenderson@atgmail.com)]

**Frank A Hanson III, WB5ZFG (SK)**, born January 16, 1949, passed away on February 6, 2020 after a brief illness. He was 71. A memorial service was held Sunday, February 23 at Beck Funeral Home, Cedar Park, TX. ([Obituary here](#))



## FEATURED HAMFEST #1



March 13 - 14, 2020  
Bell County Expo Center

Belton, Texas

50 miles north of Austin

130 miles north of San Antonio

140 miles south of Dallas / Ft. Worth

165 miles northwest of Houston

Approximately 80 percent of the population in Texas lives within 200 miles of **HamEXPO!**

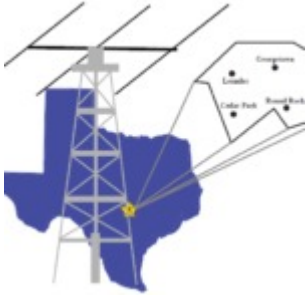
**Admission Fee** for the public is \$5.00 per person at the door (children under 12 free). Includes one free raffle ticket (a \$2.00 value).

Vendors, this your opportunity to sell product or distribute information to about 1,200 motivated buyers on a Saturday morning. All indoor spaces have free electricity. There are a limited number of spaces against the wall.

Visit the web page at <https://www.tarc.org/hamexpo> for vendor (commercial and non-commercial registration link).



## FEATURED HAMFEST #2



# WCARC SWAPFEST 2020

(Williamson County Amateur Radio Club)



**HAM RADIOS, COMPUTERS & ELECTRONICS**  
**Saturday, March 21, 2020**  
**8:00 AM to 12:00 PM**

SAINT RICHARDS EPISCOPAL CHURCH  
1420 E. Palm Valley Blvd, Round Rock, TX 78664

**Admission** Price: \$5.00 (includes 1 free raffle ticket)

**Vendor Load-in** @ 7:00 AM / Raffle Prizes and refreshments

**Tables:** \$12.00 per Swap table (Table includes 1 admission & raffle)

{special}  
**THANKS**  
to our sponsors

**Earn or Upgrade your License!**

ARRL V.E. Testing at 9 AM



TALK-IN

On the Georgetown Repeater, 146.640 MHz (– offset) 162.2 Hz PL

FOR FURTHER INFORMATION:

**Online Registration** or e-mail: [wcarc-swapfest@wcarc.com](mailto:wcarc-swapfest@wcarc.com) / Phone: (510) 882-5659

This year we are offering a tailgate option for those interested in selling outside  
Visit the WCARC website at <https://wcarc.com/wcarc-swapfest-2020/>  
for the vendor registration form.



# 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?

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

ALCATRAZ  
AUSTRALIA  
BATTLE  
BELTON  
BIRTHDAY

BLOSSOM  
INTERFERENCE  
POPPY  
REDUNDANT  
SCHOLARSHIPS

SIMULATION  
SKYTRAIN  
SWAPFEST  
TACTICAL  
ZOMBIE

### More events on-the-air

#### **03/28/2020 | Cherry Blossom Special Event Station**

Mar 28, 1400Z-2000Z, W4BKM, Macon, GA. Macon Amateur Radio Club. 14.240 7.225. Certificate. Macon Amateur Radio Club, P.O. Box 4682, Macon, GA 31208. <http://www.w4bkm.org/>

#### **03/31/2020 | Sun-N-Fun International Fly-in and Conference**

Mar 31-Apr 5, 1400Z-2100Z, W4S, Lakeland, FL. Sun-n-Fun and Tom Ruhlmann (W9IPR). 14.250. QSL. Tom Ruhlmann, W9IPR, 465 Beechwood Drive, Cedarburg, WI 53012. W4S has been our call sign for the past several years. We typically have 12 or more operators and from several states. Walk up operators are welcome as schedules allow. We will be running about 500 watts to a beam.. Event description available at <http://www.sun-n-fun.org/>

## Action on the Airwaves

Looking for a challenge during our low solar cycle?

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

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

#### **03/05/2020 | C-47 Skytrain**

Mar 5-Mar 12, 0000Z-0000Z, W5S, Oklahoma City, OK. Mid-Del Amateur Radio Club. 144.200 14.280 7.280. QSL. Mid-Del Amateur Radio Club, P.O. Box 30512, Midwest City, OK 73140. <http://www.w5mwc.org/> <http://w5mwc.org/portfolio/>

#### **03/14/2020 | PI Day March 14, 2020**

Mar 14-Mar 15, 0500Z-0500Z, N2RE, Princeton, NJ. David Sarnoff Radio Club. 14.250 14.050 7.120 7.050. QSL. Bob Uhrig, 104 Knoll Way, Rocky Hill, NJ 08553-1013. <http://www.qrz.com/db/N2RE>

#### **03/14/2020 | Battle of Picacho Peak Anniversary**

Mar 14, 1600Z-2100Z, K7T, Tucson, AZ. Oro Valley ARC. 7.040 CW 14.040 CW 14.250 USB 18.100 FT-8. Certificate. Email, [qsl@TucsonHamRadio.org](mailto:qsl@TucsonHamRadio.org), for certificate. No paper QSLs please. <http://www.TucsonHamRadio.org/>

#### **03/14/2020 | The American Legion's 101st Birthday Celebration**

Mar 14, 1700Z-2300Z, K9TAL, Indianapolis, IN. The American Legion Amateur Radio Club. 14.275 7.225; \*CrossRds\* EchoLink Conference IRLP Reflector 9735. Certificate & QSL. The American Legion Amateur Radio Club, 700 N. Pennsylvania St., Indianapolis, IN 46204. The year 2020 marks the beginning of The American Legion's 2nd century of service to our Nation and our veterans. Any ham radio operator who contacts the station is eligible to receive a QSL card and a commemorative certificate to document their participation. To receive a QSL card and certificate after working K9TAL, send your name, address, call sign, and a 9x12-inch self-addressed stamped envelope to The American Legion Amateur Radio Club, 700 N. Pennsylvania Street, Indianapolis, IN 46204. [k9tal@legion.org](mailto:k9tal@legion.org) or <http://legion.org/hamradio>

#### **03/20/2020 | Alcatraz Federal Penitentiary Anniversary of Closing**

Mar 20-Mar 31, 0000Z-2359Z, N6A, Healdsburg, CA. Will Pattullo, AE6YB. 21.265 14.265 7.265 3.815. QSL. Will Pattullo, 161 Presidential Circle, Healdsburg, CA 95448. N6A, Special Event for the Anniversary of the closing of the Federal Penitentiary on Alcatraz Island in San Francisco Bay, March 21, 1963. <http://www.qrz.com/db/ae6yb>

#### **03/28/2020 | Battle of Horseshoe Bend (Creek Indian War) Anniversary**

Mar 28, 1400Z-2100Z, N4H, Daviston, AL. Lake Martin Amateur Radio Club. 14.250 7.280 3.850. Certificate & QSL. John Philips, PO Box 938, Alexander City, AL 35011. Commemorating the 206th anniversary of the Battle of Horseshoe Bend. This battle brought a close to the Creek War, made Andrew Jackson an American hero and opened much of present day Alabama for settlement. SASE for QSL or SAS (large envelope rate) 9X12 envelope for QSL & certificate. <https://www.facebook.com/K4YWE/> or <http://www.qrz.com/db/n4h>

(continued in left column)

## AARC Meeting Info

AARC Monthly Meeting  
Tuesday, March 3, 2020 / 7:00pm to 9:00pm

**Location:** Applied Research Labs  
10,000 Burnet Rd, Austin TX

### Meeting Topic

“An Introduction to Contesting and DXing”  
by Robert Brandon, K5PI

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.

For more info, contact:  
Joe Makeever, W5HS (512-345-0800)

W5YI VEC - March 21 and April 18  
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

### **Mar 6-7 – Greater Houston Hamfest (Rosenberg)**

Hosting the ARRL Texas State Convention 2020. Greater Houston HamFest will be our 19th year. Location: Fort Bend County Fairgrounds, 4200 Highway 36, Rosenberg, Texas. Friday March 06, 2020 12 pm to 8 pm - Vendor Set-up Only / Saturday March 07, 2020 Setup - 6AM - 8AM; Main event - 8AM - 2PM

Talk In 146.94 (-) Tone 167.9

[http://houstonhamfest.org/pdf/ghh\\_2020\\_flyer.pdf](http://houstonhamfest.org/pdf/ghh_2020_flyer.pdf)

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

HamFest Hotline 401-584-GHHF (4443)  
713-502-5896 and/or 713-569-8799

### **Mar 7 – Irving Hamfest**

Irving Amateur Radio Club  
Betcha Bingo Hall at 2420 W Irving Blvd, Irving, TX 75061.  
<http://irvingarc.org/>

### **Mar 14 – Spring Belton Hamfest**

Bell County Expo Center 301 W Loop 121, Belton, TX 76513  
<http://www.tarc.org/hamexpo>  
<https://www.eventbrite.com/e/hamexpo-spring-2020-the-belton-hamfest-march-14-2020-tickets-87517149149>

### **Mar 21 – Annual WCARC Swapfest**

**(NOTE! Change in venue!!)**

St. Richard's Episcopal Church, 1420 E. Palm Valley Blvd., Round Rock, TX 78664.  
8am-Noon. Big parking lot for Tailgating also. You could bring your trailer there, if you wanted. Stay tuned for details: <http://wcarc.com/index.php/events>

### **Mar 21 – 65th Annual St. Patrick's Day Hamfest and ARRL West Texas Section Convention**

Midland Amateur Radio Club.  
MLK Community Center in Midland, Texas.

<http://hamfest.w5qgg.org/>  
<https://hamfest.w5qgg.org/hamfest-location/>

### **Apr 18 – Red Poppy Ride**

<http://www.redpoppyride.org/>  
Contact: Craig, W5TSN [cboegler@suddenlink.net](mailto:cboegler@suddenlink.net)

### **May 2-3 – 2020 Texas MS 150 (Note: NOT IN APRIL)**

Formally the BP MS 150. Please Note Other Major Changes for 2020: Austin has been ADDED as a START location. The ride will start from Austin AND Houston. Saturday Night overnight is still in La Grange. Kyle Field at Texas A&M is the New Finish Location on SUNDAY. Volunteer Sign-up is ready to Go! Please see the following NEW website for additional information: <http://texasms150hams.org/>

### **May 15-17 – Dayton Hamvention**

Greene County Fairgrounds and Expo Center  
120 Fairgrounds Road, Xenia, OH 45385  
<http://www.greenecountyfairgrounds.com/>  
Lat/Long Navigation Use:39.7021,-83.9420  
<https://hamvention.org/event-details/event-schedule/>  
info@hamvention.org or phone 937-276-6930  
2021 – May 21-23  
2022 – May 20-22

### **Jul 31-Aug 1 – Austin Summerfest**

Crowne Plaza 6121 North IH-35 Austin, TX 78752  
2020 info TBA on: <http://www.austinsummerfest.org/>

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

## Upcoming Meetings...

Mar	Apr	Frequency	Austin Meetings/Happenings	Time	Address
3	7	1st Tuesday	AARC Meeting @ Applied Research Labs.	7:00pm	10000 Burnet Rd, Austin
24	28	4th Thursday	Travis County ARES @ Applied Rsrch Labs	7:00pm	10000 Burnet Rd, Austin
17	21	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.

## 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, 1616 E. Oltorf	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 AARCOVER 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 February 4, 2020

## The Austin Amateur Radio Club (AARC)

Guests & Visitors: KD5GJH, KM4SWU, KI5HHX, KD5ICT, KI4RUC (from Tampa, FL with grandson Ryan), & Parker not licensed.

Phil Bautista, AA5EX, was elected February **Ham of the Month**.

January 2020 minutes were approved as posted on the website.

Treasurer report by Mark Jenkins – Approximately \$9,200 in bank account. Working on a printed email list for members.

If members do not want yours any of their personal data to show, let Mark know. The list is currently available on Wild Apricot cell phone app.

Special Interest Groups:

- Michael Marks, ARES Emergency Coordinator, KG5RXG@arrl.net, ARES meeting in February will be at Waterloo Ice House on Burnet Road.
- Copeland Scholarship Committee, Stuart Rohre – waiting on Austin Community Foundation
- SkyWarn Training 2020 was this past weekend with 205 attending.

James Bryce resigned as a member of the Coupland Scholarship Committee. Bryan Wood was appointed to fill his elected term.

Solar Weather Report by Lew Thompson – Explained some of the terms he uses for this report.

Michael Skurka, K5MSK, gave a presentation of the AARC website showing all the information that can be found online.

Roy Walker, WA5YZD, gave a presentation on Repeaters & Network Systems owned or maintained by AARC. KVUE and KEYE provide towers for AARC to locate our repeaters.

1. W5KA is at SAMC (D-Star),
2. Walburg KE5RCS is D-Star System,
3. Lake Travis D-Star K5SOC, owned by Jon Penner,
4. UT Pickle Research Center, LCRA owns the Tower & Facilities,
5. Buckman Mountain site is owned by Travis Towers (KVUE / KEYE), 3 antennas on top,
6. Fredericksburg – new node on South Texas 900 MHz Network, has ARCHES,
7. Mt. Larson FM repeater on 146.86 mHz is owned by Ross, N0GSZ

Joan Cox, Secretary



## Scholarships Available!

Austin Amateur Radio Club offers annual scholarships to licensees living in Travis, Williamson, Bastrop, Hays, Blanco, Caldwell and Burnet counties. Both high school seniors and college students are eligible to apply.

Visit <https://austinhams.org/scholarships> for more information, and see application published in this newsletter edition.





**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 **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	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.

---

**AARCOVER Information:** ISSN 1067-0262, CODEN AAOVE3. ©Austin Amateur Radio Club, Inc.

Published monthly by the Austin Amateur Radio Club, Inc.

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

Members and other readers are encouraged to submit 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.



## **Austin Amateur Radio Club**

### **James Stephen Greenwood Memorial Scholarship Application**

Available to College Students and High School Students with FCC License and living in Bastrop, Blanco, Burnet, Caldwell, Hays, Lee, Travis, and Williamson Counties.

#### **Applicant:**

Last Name \_\_\_\_\_ First Name \_\_\_\_\_ Middle \_\_\_\_\_

Call Sign \_\_\_\_\_ Class \_\_\_\_\_

#### **Address:**

Line 1 \_\_\_\_\_

Line 2 \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ County \_\_\_\_\_

#### **College Status:**

Applying to \_\_\_\_\_

Accepted but not yet Enrolled at \_\_\_\_\_

Enrolled at \_\_\_\_\_

Attending \_\_\_\_\_

Major: \_\_\_\_\_

SAT or ACT Score \_\_\_\_\_ Or GPA if attending college \_\_\_\_\_

(Attach copy)

(Attach a copy of Transcript)

Send to: AARC Greenwood Scholarship  
PO Box 4739  
Austin TX 78765