



# AARC OVER

**Keeping Austin Wireless  
for Over 98 Years!**

Bulletin of Austin Amateur Radio Club

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**July 2018**

**Issue 07-2018**

## So... You Wanna Start a University Radio Club?

by Rich Compeau, AG5FA

(This is the **final** installment for this challenging endeavor. Congrats to Rich for the success! -Editor)



### Part V - The Allstar Game

If you're just now entering this story without having read the first four installments, you might think that it is about the very first MLB All-Star game played on July 6, 1933, at Comiskey Park in Chicago. It was felt at the time that a game with big names such as Babe Ruth, Lou Gehrig, Lefty Grove, and others, would serve as good entertainment - and a distraction - during the Great Depression. The organizers were correct; 47,595 people attended the game.

While the American League in the 2nd and 3rd inning and went on to win, the All-Stars

(continued on page 4)

#### Periodic Events

Sun	7:00 p.m.	Travis ARES net	147.36 MHz + (131.8)
Sun	8:00 p.m.	Travis ARES Packet (*in UNPROTO)	145.73 MHz
Sun	8:00 p.m.	Williamson ARES net	146.64 MHz - (162.2)
Sun	9:00 p.m.	ARO Swapnet	146.94 MHz - (107.2)
<i>Sun</i>	<i>(After Swapnet)</i>	<i>Newsline</i>	<i>146.94 MHz - (107.2)</i>
Mon.	7:30 p.m.	STX ARES Net	3.873 MHz
Tues.	7:30 p.m.	Hays ARES net	147.100 MHz +
Tues.	8:00 p.m.	Bastrop ARES Net	443.750 MHz + (114.8)
Wed	11:30 a.m.	Ham Social Luncheon, Jim's	146.94 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	444.1 MHz+
Thu	11:45 a.m.	Lunch, Whataburger Oltorf & Burleson	146.94- (107.2)
Fri	8:00 p.m.	6m SSB Net	50.230 (texasvhf.org/)
Sat	7:00 - 8:30a.m.	Breakfast @ Waterloo Ice House	444.1 MHz +
Sat	9:00 a.m.	Chapter 67 QCWA QSO Net.	3.920 MHz LSB
Sat	7:00 p.m.	AARC Elmer Net	146.94 MHz- (107.2)
Daily	6:30 p.m.	Central Texas Traffic Net	147.14 MHz+

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# Ham Radio Exams Results

The following are the results of the ARRL VE test session held on June 2nd, 2018 at Bethany United Methodist Church:

## Technician Class Licenses Processed

Michael D. Allen KI5AEJ	Nolan J. Darilek KI5ADV	Damon J. Goodner KI5AEB
Ronald L. Gratehouse KI5ADZ	Taylor M. Heard KI5ADY	Tony R. Jones KI5AEK
Andrew C. Jordan KI5AEH	Fred M. Keefer, Jr. KI5AEI	John F. Landau IV KI5AEA
Amarise D. Lindauer KI5ADW	Chadwick L. Ottnat KI5AEE	Jason A. Smith KI5AED
Alex F. Turkovic KI5AEF	Alexis S. Wright KI5AEC	

## General Class Licenses Processed

Alan G. Davis KI5AEG	Geoffrey M. Hargreaves KI5ADX
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## Extra Class Licenses Processed

Adam T. Bartlett N5YHF	Tiernan X. Lindauer KG5ZSP
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## Examiners Participating in this Test Session

David Boren WJ1Q	Mark Esslinger W5MAE	Larry Gunter WB5BEK
Gene Hinkle K5PA	Ted Iglehart KF5END	Jim Kinter K5KTF
Steve Lang WB5ZIL	Joe Makeever W5HS	Wally Marusa K5WLY

## Next ARRL VE Test Sessions

July 7th - Bethany United Methodist Church, Disciple Bldg. Room 203/204

August 4th - Austin Summerfest Convention @ Crowne Plaza Austin Hotel, 12:30 PM in the Austin Room

TNX ES 73 DE W5HS

Joe

---

6-17-18

The South Austin W5YI VE team heartily congratulates the following people who earned new or upgraded amateur radio licenses at our June 16th session:

## General Class

William Taylor, K5WET	Ronald Gratehouse, KI5ADZ	Fred Keefer, Jr., KI5AEI
John Hargett, KG5YLG	Miguel Martinez, KG5UXM	

## Technician Class (NEW)

Jon Kemppainen	Scott Stevens	Ravi Shah
Phillip Haddock	Jonathan Sparkman	Andrew McClanahan
Glenn Bartels, Jr.	Wesley Jacobs	Troy Dill
Michael Bernardo		

## Our administering volunteer examiners were:

Craig Bean, AC5KW	Gary Popp, AE5JR	Wally Marusa, K5WLY
David Dyer, AG5OS	David Glosson, N5DPG	

Our next two amateur radio exam sessions will start at 2 PM on July 21st and August 18th in Fleck Hall, room 118 on the campus of St. Edward's University. All sessions are walk-in and the exam fee is \$14.

For additional information regarding our amateur radio examination sessions, please contact Craig, AC5KW at **(512) 474-6443** or by e-mail to **craigmb5@gmail.com**



### **2017 Officers**

President	Ruben Fuentes	WB5WTF	president@austinhams.org
Vice President	Lew Thompson	W51FQ	vice-president@austinhams.org
Treasurer	Mark Jenkins	W5MPJ	treasurer@austinhams.org
Secretary	Carston Buehler	KG5PAL	secretary@austinhams.org
Editor, AARCOVER, website	Michael Skurka	K5MSK	editor@austinhams.org
Technical (Repeater Contact)	Roy Walker	WA5YZD	wa5ydz@arrl.net
ARRL Travis Co. Emer. Coord.	Kerby Spruiell	KG5DLD	ec@austinhams.org
TC ARES PIO	Ruben Fuentes	WB5WTF	pio@austinhams.org

Please contact a club officer, attend a meeting, or mail us to join the organization.

Sorry... Online membership registration is temporarily unavailable.

**The Austin Amateur Radio Club, Inc. (AARC)** has annual membership dues of \$20.00 per person or \$30.00 per family. AARC maintains the following repeaters:

<b>FREQUENCY</b>	<b>USE</b>
146.780/ -600kHz	2m D-STAR Repeater [W5KA C]
146.880 107.2 PL Tone	Analog/Digital Fusion
146.940 107.2 PL Tone	Most popular, TCARES WXnet, Swapnet
224.800	
444.100	
444.200 107.2 PL Tone	
440.650 +5	70cm D-STAR Repeater [W5KA B]
1293.100/-20	23cm D-STAR Repeater[W5KA A]
1248.200	23cm D-STAR DD (data, simp./reversible) [W5KA A]

Persons using the repeaters are asked 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.

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Members and other readers are *encouraged* to submit material for publication. Contact the Editor, if mailed submissions are required. Email and/or electronic files are encouraged! Submissions may be edited for publication (for content and/or space). **Deadline is generally the 25th of each month**, but late articles may be considered for future publication. Material may be used in a later issue. Unless otherwise noted, permission is granted to reprint AARCOVER articles, provided you credit the original author and the AARCOVER. If material is included in another publication, a courtesy copy to the Editor is appreciated.



### **AARC Members:**

**For Changes in your ADDRESS, PHONE NUMBER or CALL SIGN**

**Contact: Mark Jenkins, W5MPJ / treasurer @ austinhams.org**

**Mark handles all changes for membership information.**



(continued from page 1)



in this AARCOVER story knocked it out of the park later in the game. Our All-Stars are comprised of a set of AARC members who installed the UHF repeater at Texas State, an AARC member who built an Allstar node, a combined team of AARC members and Texas State employees who got it running, and a piece of hardware that would at first be branded a security risk and a rogue robot!

*[See the April 2018 of the AARCover for Part IV. Recall that there were some security concerns and obstacles with Rich's HOA. Persistence paid off. Continue reading for the finale. –Ed]*

A month passed [since submitting the request to IT to install the Raspberry Pi and open firewall ports –Editor] and we then heard that the Information Security Office wanted to see the proposed location of the node. This was viewed as a positive indication because it was not a flat-out refusal. Meanwhile, I searched for faculty members who might be willing to host the node at their residence. I reasoned that it would be easy to find a host; the node was small, it drew very little power, and it would not invade one's privacy at home.

One individual who lived near campus, an extra-class operator, was willing but could only locate the node in a closet. This would require a wifi connection, which was not as desirable as a cabled connection. Another staff person who lived mere blocks from the engineering building looked at me as if I were an alien when I explained what we were asking. I had no idea that there was such fear of a Raspberry Pi running on LINUX! Another faculty member living in San Marcos said he'd run it past his wife; never heard from him again. Another faculty member and fellow ham in the Math department would have been willing - but he had recently moved to Kyle. Yet another faculty member living in San Marcos, who was a ham way back when it was know-code, said he'd be willing - but then a month later he bought a home outside of town.

The list goes on. At this point I was ready to canvass businesses near Texas State and try to offer them an exchange deal: if they hosted the node we'd send regular student business their way.

Finally, on December 15, we were informed that IT Security had configured the ports but they were unable to test to make sure everything was working because they claimed that the device was not connected. December 15th is at the end of the semester. Finals are over, grades are uploaded, and most faculty have disappeared. Staff also take some time off over Winter Break. It was not until January 12th that we could test the set up. Roy Walker WA5YZD and Tom Apel K5TRA graciously drove to Texas State to test the node.

It wouldn't connect. We were heartbroken. Our Lab Coordinator, Sarah Pierce KD5FWK had been our liaison with IT Security. She was unable to SSH into the device from her office. Discussions ensued between all parties.

Fast forward nearly two months to March 6th; Sarah still could not remotely access the node and Tom could not see it as active. It appeared that the firewall configuration changes did not solve the problem.

At this point I was starting to feel like we were trapped in one of Zeno's Paradoxes... we were moving forward but each step was half the distance of the last. Expressed as an infinite series of steps, we would never make it to the goal.

It seemed hopeless - but perhaps all was not lost! Perhaps the faculty member who purchased a home in the Hill Country might have better reception than from my QTH.

(continued)

(continued from page 4)



Tom, K5TRA, gave the great suggestion of driving out to the property and trying to hit the BARC1 repeater with an HT - and it was full quieting on one watt! We had a backup plan! And best of all, this neighborhood had no restrictions.

Lest the process at Texas State seem boring, installing the Allstar node was not without exciting moments. On May 11th I received an email from Bill Stapleton AG5GA, the faculty member whose office was hosting the node (and the ports). He told me that the Allstar node was mysteriously missing when he came in that morning, and that he sincerely hoped I was the one who took it. My heart skipped a beat and then my pulse doubled! But it was KD5FWK who'd taken it to her office to run more tests. Whew!

Testing continued internally, and on June 14th Sarah said that it was time to get everyone together for the final debug which was hoped to be the final inning of the game. Since we were in summer session it was easier to assemble all the principal players and including IT Security. We all converged on Bill AG5GA's office (he was in class, teaching Digital Logic) and busted out a bunch of laptops and tablets. Magical incantations and ululations were uttered by IT. Tom K5TRA purged just the right amount of magic smoke.

It worked! It was actually working! Roy WA5YZD went out on the patio and using his HT was able to hit one of the Austin repeaters - and we heard him! We had been working on this for 8 months and 12 days - not that anyone was counting.

As an engineer I cannot conjure up the words to describe the feeling at that moment. I suppose this is how someone feels when they homer in the bottom of the ninth to win the game - or when the Publisher's Clearing House van pulls up in their driveway with that ten foot wide check for big money.

Now we are well-positioned for the upcoming academic year. New officers were elected at BARC and they seem like go-getters. The BARC1 UHF repeater is linked via Allstar. An EE Senior Design team built a portable UHF backyard repeater that will work nicely at events. And the radio room in the new engineering & science building (Ingram Hall) will be fantastic! We will have an FT-991, a K3S, and a 6700 for training and instructional purposes. I've also been told that the 50' tower with steerable Yagi for the roof was approved!

At the end of day, the All-Star team of AARC and TXST won the game. We've entered a new era of amateur radio for our students.

***Hello World - here we come!***

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### ***About the author***

Rich Compeau, AG5FA, is a new AARC member and has been a ham for over 17 months now. He had a 25-year career in the "real" world as a microelectronics engineer & manager before entering academia. An MIT graduate, he is a Professor of Practice and is the Electrical Engineering Program Coordinator at Texas State University, with a doctorate in Applied Electromagnetics (Antennas) - but claims to know very little about real antennas.

(continued)

# President's Corner

July 2018

DE WB5WTF, Ruben Fuentes

ATTN EVERYONE: I want to overemphasize that fact that the **July AARC meeting has been moved to the 2nd Tuesday of the month because of Independence Day.** Hope to see you there.



Well, we have Field Day 2018 behind us and fun was had by many, in spite of the scorching heat. Joe (K5EJL) did a great job with the bbq and there was more than enough for everyone. Thank you, Joe. So many others had a hand in making this Field Day a success, from those of you who brought covered dishes to supplement the bbq, to the core planning group to those who manned the different stations. Thank you all.

Monday, July 2nd, Michael (KG5RXG) will be facilitating an After-Action Teleconference for those of us who had a hand in planning FD 2018. We will share the results of that meeting with you at our July general membership meeting. I also hope to have all of the statistical findings for the event to share as well.

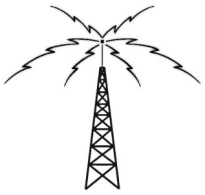
Our next major event, Austin Summerfest, is just 34 days away (August 3rd and 4th) at the Crown Plaza at I35 & Hwy 290 in Austin. I hope you plan to participate in it as well. [Visit [austinsummerfest.org](http://austinsummerfest.org) for more information. –Ed]

And if you'd like to help in the planning of the AARC Annual Christmas Party, please let me know at president @ austinhams.org.

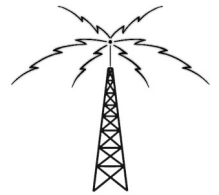
Happy 4th of July to All. 73.

Ruben (WB5WTF)





# Over the WWaves...



## **Building an Arduino QRPP Beacon / DE Michael (K5MSK)**

This looks interesting! For the price of an Arduino PLUS less than \$15 for this kit, one can build an Arduino-based beacon. <http://www.qrp-labs.com/grssarduino>  
DE Michael (K5MSK)

## **Secret Life of Machines—The Radio / DE Michael (K5MSK)**

This is a BBC program that covers the basics of radio, starting with the Spark Gap Generator. It's a bit dated, but interesting, nonetheless, for someone getting started in radio.  
<https://www.youtube.com/watch?v=2roG4jIjvEk>

## **Bees in Space? SpaceBEEs... Unauthorized! / DE Michael (K5MSK)**

In an article on QRZnow.com, it was reported that a Los Altos, California based company (Swarm Technologies, Inc.) launched an Amateur Radio satellite in January from India. Well, it appears there were some stowaways. Four tiny 0.25U CubSats called SpaceBEEs were also sent into space when they shouldn't have. They're only 10cm cubes, but the FCC denied their launch because they're essentially too small for the Space Surveillance Network (SSN) to detect them. You can't plan effective collision avoidance if you can't see them!  
<http://qrznow.com/launch-of-spacebees-unauthorized-fcc-tells-california-technology-developer/>



## IN THE NEWS...



### **Amateur Radio Parity Act... It's Alive!**

Just when it looked hopeless, a couple of the co-sponsors decided to amend an existing bill and slip the Amateur Radio Parity Act in. Just like any good monster, it was brought back to life (hence, the clipart at right)! The way it was done is actually somewhat clever, and is a tactic often used to pass little-known or unwanted legislation — by including it in something bigger (to obscure the *little* stuff and give it a



better chance of succeeding). It looks like it just might work! The bill that was amended is the *National Defense Authorization Act of 2019* (H.B. 5515). It was previously approved in the House without the amendment, but those crafty Senators added the Parity Act (and other stuff) and the bill passed in the Senate. Well, they have to resolve the differences before it proceeds to the President. But knowing that the National Defense Authorization Act is a pretty strong bill, there is a very good chance that it will continue its journey to become law. You can keep up with the status on the bill here: <https://www.congress.gov/bill/115th-congress/house-bill/5515/text/eh?overview=closed&format=xml#toc- HC1716DF1D2084B66AF19CBE3EE2575EF> (This link jumps to the Parity Act. Scroll back to the top and click the Summary tab to see the current status.)



### **REMINDER**

**The Austin Amateur Radio Club offers annual scholarships to licensees living in Travis, Williamson, Bastrop, Hays, Blanco, Caldwell and Burnet counties.**

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# AARC Field Day 2018 - Photos

As mentioned by our President, Ruben, everyone had a good time at FD 2018. I've heard it said, if there aren't any photos, it didn't happen. Well, below and on the following page are some of the evidence photos. Thanks to those sharing photos! We'll publish more next month. [I hope I got the commentary correct on these! -Ed]



North side of the Red Cross location, facing south. Antennas are going up!



This is one of the experimental antennas that WB5AOH, Bob, put up. I heard it said that it had less noise than others.



Here are the VHF/UHF antennas being erected on the N5MNW tower.



The guys take a break for a photo "op".  
What a bunch of HAMS! :-)

# AARC Field Day 2018 - Photos (continued)



Up, up, and away! The VHF/UHF antennas are up!



The ceremonial switch is thrown at the Get On The Air (GOTA) station to kick off the event!



KG5RXG: CQ CQ CQ Field Day.  
Hey! Is this thing ON???



K5EJL is hard at work while K5MSK is looking for scraps. I'm hungry!  
(Inset photo: Ribs! Mmmm!)



FOOD! No pushing! There's plenty for everyone!



# Just For Fun...

## What's In A Word?

Can you find all the words listed below in this puzzle? Can you also find them in the text of the newsletter? The words are taken from articles, news, events, or *anywhere* in this newsletter.

```

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

ALIEN	GOTA	REPEATER
ALLSTAR	INDEPENDENCE	SCHOLARSHIP
CLUB	LINUX	SECURITY
DEFENSE	MARCONI	SUMMERFEST
EXAMS	PARITY	UNIVERSITY
FIELD DAY		

## Solution to Last Month's Puzzle

```

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

## Action on the Airwaves

Looking for something to do for the 4th of July (and a few days after)? Turn on your transceivers, plug in your antennas and get on the air! There are several special events happening over the holiday.

### [13 Colonies \(8th Annual Event\)](#)

**July 1 @ 1300Z—July 7 @ 0400Z**

13 Colonies is celebrating our independence. Certificate and QSL will be made available. Freq: 7.213 MHz K14TYK, Cedar Bluff, VA / KU2US

### [A Small Town 4th of July](#)

**July 4 @ 1600Z-2200Z**

Station K7T of Summerhaven, AZ will be making contacts in several modes on several bands.  
 CW: 7.040, 14.040; PSK: 7.070, 14.070;  
 SSB: 7.200, 14.250; FT8: 7.074, 14.074.

Email for certificate: [qsl@tusconhamradio.org](mailto:qsl@tusconhamradio.org)  
 Sorry. No paper QSLs will be provide.

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

## This Month In History\*

- 1920-07-27 — Radio compass used for 1st time for aircraft navigation
- 1923-07-01 — 1st permanent radio network-AT&T (WEAF NY & WMAF Mass)
- 1923-07-19 — WRC-AM in Washington, D.C. begins radio transmissions
- 1924-07-06 — 1st photo sent experimentally across Atlantic by radio, US-England
- 1933-07-10 — 1st police radio system operated, Eastchester Township, NY
- 1937-07-20 — Guglielmo Marconi, Italian engineer/marquis (radio, Nobel 1909), dies of a heart attack at 63
- 1974-07-18 — World's tallest structure, 646 metre (~2120 feet) Polish radio mast, completed

\*Unverified. [Sorry... I wasn't around for all of the events. -Ed] 😊

# AARC General Meeting, 5 June 2018

## Meeting Minutes not available at publication time.

*Newsletter will be updated later, upon receipt.*



This space available for tidbits. Got some? Send 'em to editor [@austinhams.org](mailto:@austinhams.org)

## AARC Meeting Info

Tuesday, July 10, 2018 / 7:00pm to 9:00pm

**Location:** Applied Research Labs  
[10000 Burnet Road, Austin TX 78758](http://www.aarc.org)

### **Meeting Topic:**

*Cyber Security and You* by Michael, K5MSK  
and *Solar WX Summary* by Lew, W5IFQ

Officers normally meet from 6:00 to 7:00p.m. prior to regular club meetings and is open to all.  
Contact an officer for more information.

## Upcoming Amateur Exams: 2017

### **ARRL VEC - July 7th & Aug. 4th**

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 - July 21st & Aug. 18th**

2 p.m. in **Room 118**, Fleck Hall,  
St. Edwards University. \$14 fee.

Contact Craig  
AC5KW @ ARRL.net  
for more info. \$14 fee.

## **2018 - Calendar of Events**

### **Jul 7 - Texas City Tidelands Hamfest 2018**

Saturday 8:00am to 2:00pm.  
Doyle Convention Center, 2010 5th Avenue North, Texas City,  
TX 77581. Talk-in: 147.14 Mhz, Tone 167.9; secondary:  
442.025 MHz, Tone 103.5.  
<http://www.tidelands.org/>

### **Jul 23-29 Experimental Aircraft Association (EAA) AirVenture Oshkosh Airshow (Wisconsin)**

ARRL will put Amateur Radio on display

### **Jul 26-29 Central States VHF Society, Inc. Conference**

Conference to be held in Wichita, KS  
Conference website: <http://www.2018.CSVHFS.org/>

### **Aug 3-4 - Austin Summerfest**

Online registration via Paypal now available. Website is being updated as info comes in.  
<http://www.AustinSummerfest.org/>

### **Aug 18-19 - Huntsville Hamfest**

Von Braun Civic Center, 700 Monroe Street, Huntsville AL  
Talk-in: will be on the 146.94 repeater (100Hz tone)  
Backup: 145.33(-), 100 Hz tone.  
<http://www.hamfest.org/index.php>

### **Sep 21-22 - W4DXCC DX and Contest Convention**

Mainstay Hotel and Conference Center, Pigeon Forge, IN  
<http://www.w4dxcc.com/>  
Dave K4SV, email: Dave @w4dxcc.com

### **Oct 5-6 - HamEXPO! Fall**

Bell County Expo Center, Belton TX  
Admission fee \$5.00 per person, includes one free raffle ticket  
(\$2.00 value). Children under 12 free.  
<http://www.tarc.org/hamexpo>

### **Oct 26-27 - Texoma Hamarama**

Ardmore Convention Center, 2401 N Rockford Rd, Ardmore OK  
<http://www.texomahamarama.org/>

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

## **Upcoming Meetings...**

<b>July</b>	<b>Aug</b>	<b>Austin Meetings/Happenings</b>	<b>Time</b>	<b>Address</b>
10	7	AARC Meeting @ Applied Research Lab	7:00 p.m.	10000 Burnet Rd
24	28	Travis County A.R.E.S. @ Applied Rsrch Lab	7:00 p.m.	10000 Burnet Rd
26	23	CERT Meeting @ TBD (see <a href="#">Link</a> / <a href="#">Contact</a> )	7:00 p.m.	TBD
23	27	CTDXCC Meeting @ Old Quarry Library	6:30 p.m.	7051 Village Ctr Dr

*If your club is listed here and has incorrect time or dates, please let us know! editor @ austinhams.org*

**Visit our website at <http://austinhams.org/>**