



AARC OVER

**Keeping Austin Wireless
for Over 96 Years!**

Bulletin of Austin Amateur Radio Clubs

ISSN 1067-0262

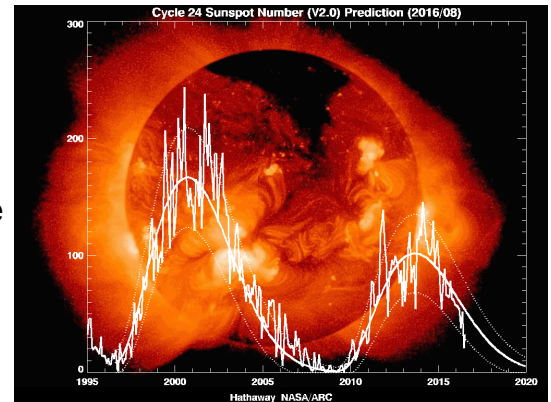
September 2016

Issue 9-2016

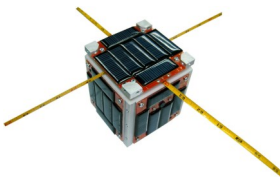
Solar Cycle Got You Down?

by K5MSK (Michael)

I got my ticket in 2013 and took advantage of the not-too-bad signal propagation then. Since then, I've definitely noticed the decline and haven't been able to be very active on HF. We are in Solar cycle 24 (the 24th cycle since 1755, when recording of sunspot activity began). The cycle began on January 4, 2008 and is purportedly on its way to being the smallest sunspot cycle in over a century. (See https://en.wikipedia.org/wiki/Solar_cycle_24⁽¹⁾).



But maybe that could change in the future, according to numerous articles that sprouted up on the internet last month. In [one article](#)⁽²⁾ dated August 9, *New Scientist* reports that our US Air Force wants to use CubeSats to detonate plasma bombs in the upper atmosphere to help radio communications. The idea is to disperse ionized gas from CubeSats. According to the *New Scientist* article by David Hambling, several contracts have been awarded to begin tinkering with our ionosphere.



(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*	145.73 MHz
		(*in UNPROTO, change N5HPC-5 to W5OEM-5)	
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)
Sun	(After Swapnet)	Newsline	146.94 MHz - (107.2)
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 1** held on **August 6th** at the ARRL Texas State Convention (Austin Summerfest) in the **Waterloo Room** of the Crowne Plaza Hotel:

Technician Class Licenses Processed

Joseph P. Bullara, KG5OVE	Keith P. de Solla, KG5OVD	James R. Drees, KG5OUT
Thomas A. Fuqua, KG5OUX	Velmurugan Gurusamy, KG5OVA	Andrew N. Larson, KG5OUS
Matthew E. Larson, KG5OUR	Donna H. Lipman, KG5OUW	Justin McCorkle, KG5OVC
Michael D. Metcalfe, KG5OVB	Timothy J. O'Shaughnessy, KG5OUV	Jeffrey F. Paris, KG5OUU
Sergio O. Reyes, KG5OUZ	April Sayre, KG5OUY	

General Class Licenses Processed

None

Extra Class Licenses Processed

None

Examiners Participating in this Test Session

Mark Esslinger, W5MAE	David Finell, N7LRY	Gene Hinkle, K5PA
Jim Lindley, K5EWS	Thomas Murphy, AB1YW	Jim Peisker, AF5NP
Roy Walker, WA5YZD		

The following are the results of the ARRL VE Test **Session 2** held on **August 6th** at the ARRL Texas State Convention (Austin Summerfest) in the **Austin Room** of the Crowne Plaza Hotel:

Technician Class Licenses Processed

None

General Class Licenses Processed

Thomas R. Barbee, K5WFA	Greg A. Fuqua, KG5NNW	Jonathan D. Good, N2BLZ
Chris D. Ham, KG5EAW	Christopher E. Howell, KC5DVR	

Extra Class Licenses Processed

Henry S. Hicks Jr, W5CCU	Paul W. Larson III, KG5ONK	Henry W. Palmetter Jr, W3JMY
Tom Parish, KG5LBP	Johnny L. Twist, K5ACL	

Examiners Participating in this Test Session

David Boren, WJ1Q	Russ Cook, KK5E	Tony Davee, KM5JH
Larry Gunter, WB5BEK	Mark Hunt, K5NM	Ted Iglehart, KF5END
Joe Makeever, W5HS	Rob Porter, K5FAR	

Next ARRL VE Test Sessions

September 10th - Bethany United Methodist Church, Disciple Bldg. Room 203/204 @ 9:00a.m.

October 8th - Bethany United Methodist Church, Disciple Bldg. Room 203/204 @ 9:00a.m.

TNX ES 73 DE W5HS

Joe

(Ham Radio Exams Results - continued on next page)

Ham Radio Exams Results

(continued from previous page)

8-21-2016

The South Austin W5YI VE team heartily congratulates the following people who earned new or upgraded amateur radio licenses at our **August 20th** session:

Extra Class

Bruce Morton (NEW)	Raymond Theis, KG5OLX	Leonard Varmette, N4NZL
--------------------	-----------------------	-------------------------

General Class

Jeffrey Paris, KG5OUU	Richard Villa, KG5OEO	Kenneth Semph, KG5DRY
Stephen Haynes KM5NNV	Bruce Hughson, KG5WAY	Jason Engel, KG5JIB
Nicholas Iglehart, KG5NZX		

Technician Class (NEW)

Carlos Kissinger	Harry Scott	Gabriella Erb
Brian Austin	Carston Buehler	David Teague
Sheldon Phelps	Clinton Hockabout	Britt Goodman
Clifton Speer	Thomas Gaussiran, II	William Clark
Laura Atlas	John Barczy	Robert Smoot
Matthew Janecka	Brandon Fehrenkamp	Chris James

Our administering volunteer examiners were:

Craig Bean, AC5KW	Gary Popp, AE5JR	Sam Mihalik, KM5MY
Wally Marusa, K5WLY	Isaac O'Hern, AG5AR	

Our next two amateur radio exam sessions will start at
2 PM on September 17th and October 15th 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 **hamradioexams [at] hotmail.com**
or visit our web page at: <http://texashams.org/w5yi-austin/>



Dangerous Prototypes?

by K5FNI (Rick)

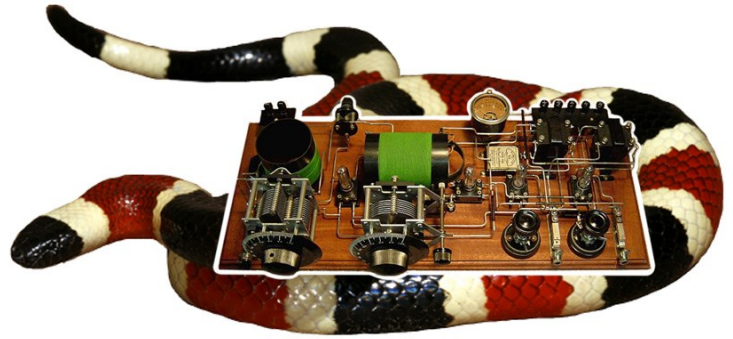
This site (<http://dangerousprototypes.com/>) does not present a clear and present danger to the reader/builder/designer in my humble opinion. It presents lots of hints at prototyping and designing electronic circuits that can do many things the average designer has likely not thought of before.

The site offers a blog that is ripe with cool circuits for the beginner to the old hand.

Many of the circuits are of the sort that one might expect to see in the QST series *Hints and Kinks*. In it, I saw things like how to refurbish and hack a HAKKO soldering iron circuit and how to build a one-IC electrocardiograph. There is also a forum for folks who build the circuits to get together to discuss their own twists on what they started with.

I also saw a frequent giveaway of printed circuit boards, where random commenters are given a chance at a draw. The boards awarded are extras for the circuits designed for the blog I saw at least one offer to send you ANOTHER free board, if you build up the circuit the board was designed for.

I can guarantee that many of the circuits have nothing to do with ham radio, but I can also say that I noticed there are significant numbers of hams who are the designers. Check it out... It isn't *dangerous* to stick your toes into the waters of building (or designing) circuits! [Just use caution and practice sound safety techniques. –Editor]



(Continued from page 1)

While the US Air Force is no longer actively involved in the High Frequency Active Auroral Research Project (HAARP), the University of Alaska (who now [owns the facility](#)) hopes to [resume research](#) next year. HAARP's super-power RF in the high-frequency spectrum has been used stimulate the ionosphere and create a plasma cloud that could support HF radio propagation; it also has been used to study how the ionosphere functions.

Using CubeSats sounds intriguing, but they'll have to come up with a way to fit a plasma generator within a 10x10x10cm cube, and then controlling the plasma release! I don't know if this is "pie in the sky" delusions of grandeur, or soon-to-be reality. But it would sure be cool if HF comms improved—and we don't live the plot of a B-rated movie in the process!

References:

- 1) https://en.wikipedia.org/wiki/Solar_cycle_24
- 2) <https://www.newscientist.com/article/2100382-us-air-force-wants-to-plasma-bomb-the-sky-using-tiny-satellites/>
- 3) <http://www.adn.com/science/article/haarp-open-business-again/2015/09/06/>
- 4) <http://www.arl.org/news/haarp-facility-to-reopen-in-2017-under-new-ownership>

Additional reading:

<http://www.arl.org/news/now-free-of-haarp-us-air-force-still-wants-to-tinker-with-the-ionosphere>



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TC ARES PIO	Steven Polunsky	W5SMP	tcares-pio@gmail.net

Please contact a club officer, attend a meeting, or mail us to join the organization. You can also join or renew online.

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:

FREQUENCY	AUTOPATCH	USE
146.880 107.2 PL Tone	No	Analog/Digital Fusion
146.940 107.2 PL Tone	No	Most popular, WX, Swapnet & Newsline
224.800	No	
444.100	No	
444.200 107.2 PL Tone	No	
440.650 +5	No	70cm D-Star Repeater [W5KA B]
146.780/ -600kHz	No	2m D-Star Repeater [W5KA C]
1293.100/-20	No	23cm D-Star Repeater[W5KA A]
1248.200	No	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.

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/copeland.htm> for more information.

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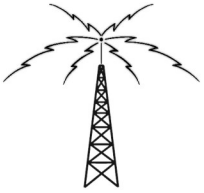
Viewpoints expressed in the AARCOVER do not necessarily reflect those of any club, or of its members, directors, or officers. Material quoted from the ARRL Letter is supplied by the American Radio Relay League, Inc.

Members and other readers are *encouraged* to submit material for publication. Contact Michael Skurka, 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 the 25th of each month**, but late articles may be considered for future publication.

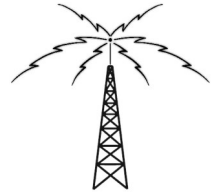
Material may be used in a later issue. Unless otherwise noted, permission is granted to reprint AARCOVER articles, provided you credit the author and the AARCOVER.



**For Changes in your ADDRESS, PHONE NUMBER or CALL SIGN:
See: Jay Hoffman, KA5OST ka5ost@arrl.net
Jay handles all changes for membership information.**



Over the WWaves...



A Bunch of **Awesome Links!**

- Good URL for builders — http://www.w8ji.com/rf_plate_choke.htm (DE **K5FNI**, Rick)
- This fellow (K7SFN) has a number of projects of use around the shack. Use them as stepping stones to get your shack the way you want it. (DE **K5FNI**, Rick)
http://www.k7sfn.com/cms/index.php?option=com_content&view=category&id=25&Itemid=74
- Heathkit is BACK! (DE **N5MNW**, Jeff) Several kits available at the moment — but no ham gear yet. Definitely worth keeping an eye on! <https://shop.heathkit.com/>
- Michael Williamson posted this to the South TX Amateur Radio Club group (DE **K5FNI**, Rick)
Ham gear at Walmart! <https://www.walmart.com/search/?query=tram%20browning%20amateur>
(Link modified slightly to *exclude* some non-ham-related items. They also have push-up masts. –Ed.)



Call for Help

DE N5MNW (Jeff) for Steve Sullivan, Capitol Area Council, Boy Scouts of America

Steve is looking for a Ham Radio Elmer to assist with a group of Boy Scouts who are working to earn their **RADIO Merit Badge**. The event is scheduled for **September 24th** at Lost Pines Scout Ranch in Bastrop and carries over into Sunday morning. The goal is to setup rigs and get scouts “on the air” and using Q-signs (one of the requirements).

If you are available and can help, please contact Steve at 512-695-2922 for more information.



WWII Spy Radios

DE K5FNI (Rick Herndon)

Radio technology came of age just in the right time for good use during WW II. This article (<http://hackaday.com/2016/08/12/hacking-when-it-counts-spy-radios/>) discusses mainly the suitcase radios used by spies. However, there was another level of desperation involved in making radio gear during one's incarceration! After all, casually wielding a suitcase radio or even getting power to run one was nearly impossible as a prisoner of war. So, how did they do it? The page at <http://www.zerobeat.net/grp/powradio.html> gives one view. It looks like the resistance groups got a bit of help from the Brits, as this radio (http://www.sm7ucz.se/Paraset/Paraset_e.htm) was manufactured there and dropped by parachute to the groups.

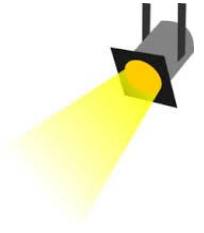
The last linked radio information might be fun for those interested in building to replicate one of the radios and bring it/them to a meeting for a discussion of the project. Who knows? It might even generate enough interest for a Special Interest Group within the club?

A survey of U.S. clandestine radio equipment can be seen here - <http://militaryradio.com/spyradio/>.



Spotlight on... Nearby Clubs

While we all like to think the universe revolve around each of us, the fact is that there's a LOT more out there in the world. I've heard it said... "We're not alone!" That applies to Amateur Radio Clubs, as well. Well, I'm going to attempt to broaden your horizons by sharing a little info about other nearby clubs!



Milam Amateur Radio Club KG5DUO



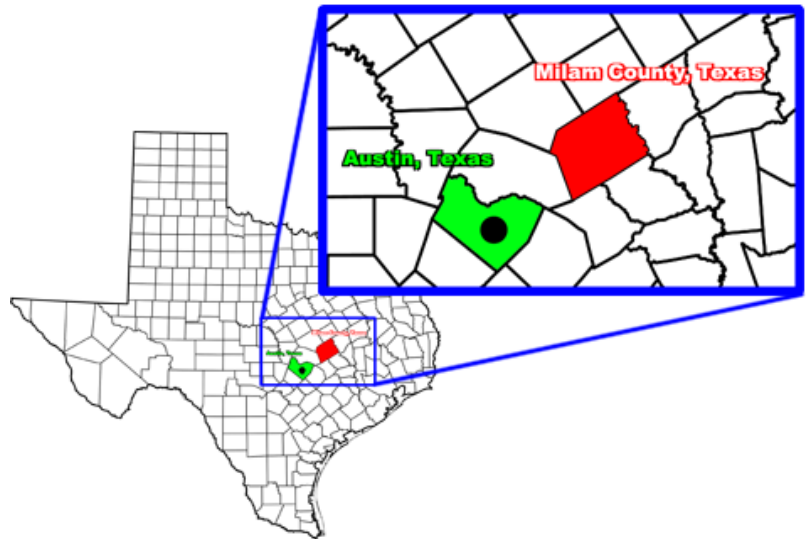
This month, **Milam Amateur Radio Club** gets the spotlight. But where in the world (Texas *is* the world, ya know!) is Milam County? It's pretty much on the other side of Williamson County (see map inset at right). And I'm fairly certain you know or have talked to at least one or two, or more, of the hams who are members of the club. I know ***I*** have.

President: KF5NIX (Stuart)

Vice President: WD5JK (John)

Their mission is to:

- Promote Amateur radio in the community
- Promote fellowship between local and surrounding Amateur Radio Operators
- Promote Public Service to the community



They have been active on Field Day for the past two years, as described in articles on their website.

The club meets the 2nd Tuesday of each month, at 7:00p.m. at Taqueria Banda's, 480 W U.S. 79, Rockdale Texas.

The Milam Amateur Radio Club hosts a weekly net on **Monday** nights at **8:00pm** on the frequency of **146.760 MHz (-)**, PL tone **123.0**. Topics include antenna building, Elmer questions, and most everything in between.

The Milam County ARES weekly net is also on **Monday** night, at **7:30pm** on the frequency of **147.020 MHz (+)**, PL tone **123.0**.

For more information, visit their web site at <http://milamamateurradioclub.com/>.

A Look at Amateur Radio Test Prep Sites & Apps (part 1)

Over the next few months, I'll be taking a look at a few sites & apps that can help someone study for the Amateur Radio License Exams. The focus will be on free or low cost sites and apps. These articles will focus on the features provided by sites/apps.

First up this month: **Ham Cram Website** (<http://ham-cram.com/>). Note: The site owner (W1UL) submitted the information below for inclusion in this newsletter—with minor edits by the editor.

W1UL (Urb), who has been a ham for 66 years, developed the W1UL ham license preparation website. It has four distinguishing characteristics:

1. Candidates only study the correct answers.
2. Candidates only study the questions most likely to be on the exams.
3. There are two preparation modes: study sessions and practice test sessions.
4. Use of the website is totally free.

Virtually all of the ham radio practice exam websites display the entire question pool and the four alternative answers. The Ham Cram Website (see link above) allows a candidate to select one or more sub-elements for study—then displays the questions, followed by only the correct answers. In addition, W1UL (who holds a PhD in computer science) has created an artificial intelligence program that selects the pool questions that are most likely to be on the actual VE tests, reducing the question pool to near 50%. The end result is that a candidate's required study time is likely to be less than half of what may be required using most other license preparation websites and those requiring license manuals. Technician, General and Extra class preparation is available.

In practice test session mode, the candidate selects one or more sub-elements and the questions from the reduced question pool and all four answers are displayed. At the conclusion of the test, incorrectly answered questions and skipped questions are displayed along with those answered correctly. Many candidates study for the exam by only studying the questions and the correct answers because they don't want to see an incorrect answer until they take the actual VE test.

While the W1UL *Ham Cram* system provides a is absolutely not for everyone. If you want to actually learn the material prior to taking the test, use a site or manuals that coach you on the theory underlying the questions.

For more info, you may contact the site owner, Urb (W1UL), at: urb [at] w1ul.com



Next on the list: **Ham Test Prep** / smartphone app by iversoft.com / Found on *Google Play Store*

On the go and you have your smartphone handy? I've actually used this app. It's totally free and includes all three exams. You can either study or take a practice exam. During study, you can choose which element group you want, and the app tracks how well you're progressing (i.e. percent mastered). If you press Help in either study or practice exam, the correct answer will be displayed—and rightfully counted wrong since you didn't answer it yourself! You can skip a question and go back to it later, so don't get hung up on one question. The practice exams are not timed, but it's *usually* more efficient to answer the ones you know and then go back to the ones you skipped.

I like that the app lets you study only the areas in which you are weakest. During a practice exam, a progress bar is displayed to let you know how well you're doing. It shows the question number and your running percentage correct. If you skip any questions, it won't let you finish until you've gone back to answer the ones you've skipped. When the practice exam is finished, your score is displayed, along with a list of all the questions that were missed—so you can go back and study those some more.

The biggest gripe I have is with the diagrams. They are super tiny! I can zoom in a *little* and pan around the image, but it's still very tough to see and understand the whole image.

A *previous* version required permissions for phone status and identity. The current version has removed those and added View Wi-Fi connections, Full network access, and View network connections. The author doesn't describe what these new permissions are for, but still claims that there is NO advertising (unverified). I'm still curious why it needs to know my Wi-Fi connection, but for the price (free!)? You gotta expect the author to be doing some data gathering (just like on a web site).

Overall, I'd give either of these exam prep options a try. The price is right. And if one doesn't suit you, try another! Next month I'll take a look at two more sites/apps. Stay tuned!

QUESTIONS	
1-	A B C D
2-	A B C D
3-	A B C D
4-	A B C D
5-	A B C D
6-	A B C D

New Radio Store – San Antonio

DE K5FNI (Rick)

"Richard Elder, WB5ACN, has tipped SARC off that there is a new surplus store in town, Hanger 18 Surplus. The range of things covered includes military surplus, outdoor camping equipment, and other things like electronic parts. Yes, electronic parts! The address is 1214 Safari, San Antonio, Texas 78216. This is on the north side of the San Antonio International Airport where E. Nakoma Drive turns and becomes Jones Maltsberger Road. Their hours are Monday to Friday 9 am to 5 pm. They do have a website, but only a sample of their items are shown. Their phone number is 210-240-4809." Website: <http://hangar18surplus.com/>

Received from South TX ARC group. ▽



Brazos Valley
Amateur Radio Club

PUT US ON YOUR CALENDAR! ***16TH Annual*** **GREATER HOUSTON HAMFEST** **Growing Bigger and Better!**

Last Year's Attendance - Over 1350

Now Two Days of Activities!

Friday, March 24, 2017

Exhibits Open Noon - 8 PM; Sessions 3 x 8 PM

Saturday, March 25, 2017

Exhibits Open 8 x 3:30 PM; Sessions All Day

Free Admission on Friday!

Where: Fort Bend County Fairgrounds, 4310 TX-36 S, Rosenberg, TX 77471

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

New 2017 Web Site Debuts in August 2016

More Nationally Known Speakers: TBA for 2017

Great Technical Program Sessions Friday & Saturday

- ◆ Two days of Exhibits
- ◆ Exhibitors/Sellers Set Up both Thursday & Friday
- ◆ NEW! Ham Radio Boot Camp - For New Hams!
- ◆ Pile Up Contest - How many calls signs can you copy?
- ◆ Kit Building Session - Friday afternoon - Build it - Take it Home.
- ◆ Ham Radio Balloon Launch - To the Edge of Space!
- ◆ Remote HF Station Operation - On the Cutting Edge
- ◆ More Sessions to be announced.
- ◆ Door Prizes Galore!

Big Prize Drawings—Tickets Purchased on site.

GRAND PRIZE

To Be Announced

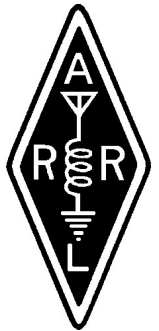
Chairman's Prize

To Be Announced

Watch for details on the website

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

Sign up for the free Hamfest Newsletter



AARC Club Meeting - Reminder: Firearms Not Allowed!

DE Stuart Rohre, K5KVH

Some of you may have heard of Campus Carry, the state initiative to allow Concealed Carry permit holders to carry on UT property beginning Aug 1, 2016.

HOWEVER, because Federal Security Regulations apply to defense contractors such as ARLUT; the ARLUTX secured compound is considered Federal Property for contractor security purposes.

It has always been, and will continue to be, PROHIBITED to carry ANY weapon(s) into the premises of ARL, including open areas such as the Lobby and Auditorium, and the grounds in front of the building.

Concealed Carry Permit holders must remove any weapon from their person, before attending meetings at ARL. "Campus Carry" is a TX state law, that is overruled by the Federal Law applying Contractor Security Regulations.

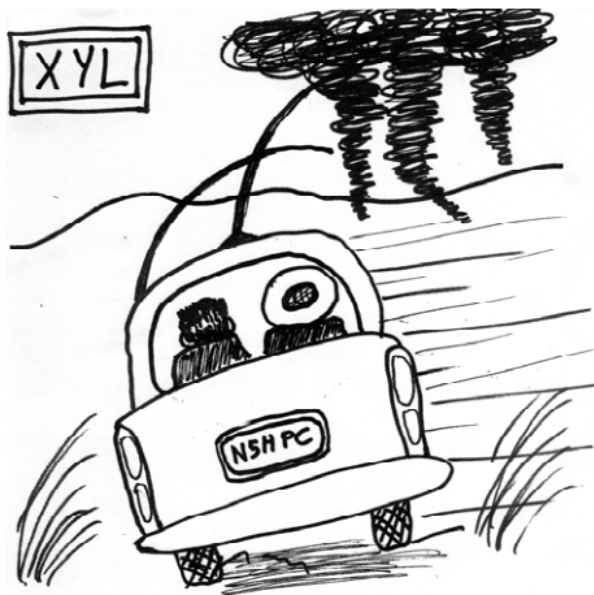
As a violation could cause of loss of group access to this meeting place, please share this email with all Amateur Radio Club members, and Travis County ARES members who meet at ARL.

Violations would be handled by the UT Police and the FBI, as well as Federal contractor Security agencies.

(Thanks for the reminder, Stuart! -Editor) ▽

Just for Fun

XYL - by Carolyn Canfield, KE5DTS (SK)



"We're chasing WHAT?"
(from AARCOVER 1-2006)

Word Search – Plasma Bomb

Can you find all the words and terms listed below? Words may be forward, reverse, up, down, or diagonal. Words were taken from this month's 1st article.

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

ATMOSPHERE
AURORAL
CUBESAT
CYCLE
DETONATE

FREQUENCY
GENERATOR
HAARP
IONIZED
IONOSPHERE

PLASMA
PROPAGATION
RESEARCH
SOLAR
SPECTRUM

Meeting Minutes — AARC General Meeting, 2 August 2016

Start: 7:00 pm

Attendance: 50

Visitors: Ten (10) visitors tonight. Welcome!

New hams: None

New members: none

Upgrades:

David Groves, KG5CAQ: upgrade to extra (Congratulations!)

Call sign changes: none

Approval of minutes: Minutes of the July meeting were approved as distributed in the AARCover with one correction: there was a presentation on space weather, not spare weather.

Announcements:

General:

- ◆ Jeri Wines: I am in charge of registration for summerfest. If you can help either Friday evening or anytime on Saturday, please see me after the meeting or email me at jeriwines@sbcglobal.net
- ◆ Roger Wines: I'm getting ready to start a new tech class. For information, contact me at w5wia@arrl.net

Events:

- ◆ Summerfest is this weekend
- ◆ Aug 20-21, Huntsville Alabama
- ◆ Sept 10, Lubbock ARC Hamfest
- ◆ Sept 17-18, CTX Tour de Cure
- ◆ Sep 30 – Oct 1, Belton Hamfest
- ◆ Oct 14-16, Jamboree on the Air/Internet (JOTA/JOTI)

Officer and committee reports:

- ◆ Jay Hoffman, KA5OST, treasurer: no report (not present tonight)
- ◆ Angie Steelman, KF5ZXI, secretary: We had 42 sign in for July. Please sign in!
- ◆ Lew Thompson, W5IFQ, vice-president: Lew Thompson, W5IFQ, vice-president: DStar presentation coming, jump kits presentation coming. Any topics you want to see, please let me know.
- ◆ Don Dudley, AC5YK, president: Jim Greenwood left a sizeable amount to the club for scholarships. The club is currently working with attorneys but will soon see a significant increase the funds available for scholarships. Please work with your local schools to get the word out.
- ◆ Michael Skurka, K5MSK, newsletter editor: Send articles, ideas for articles, comments, etc. to: editor@austinhams.org.
- ◆ Roger Wines, W5WIA, ARES: The main message is that we are trying to get all area ARES groups working together across multiple counties. TCARES meets here (ARL) on the 4th Tuesday of the month at 7:00 pm.
- ◆ BBHN: Meeting date has changed: now is 2nd Wednesday of the month at CATRAC.

Space weather presented by Lew Thompson, W5IFQ

Don Dudley - bring show and tell stuff.

Meeting adjourned at 8:00 p.m.

Presentation from Lew Thompson: Video: Ham Radio 2.0: Episode 45 – Intro to System Fusion and Wires-X Integration from HamCom 2016 Fusion Systems.



2016+ Calendar of Events

AARC Meeting Info.

Applied Research Lab
10000 Burnet Road

Business Meeting 7:00 pm

Topics: HF/VHF *Go Kit* Design & Construction;
Solar WX Summary

Officers Meeting

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

2016 Upcoming Amateur Exams

ARRL VEC - September 10th & October 8th

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 - September 17th & October 15th

2 p.m. in **Room 207**, Fleck Hall, St. Edwards University. \$14 fee. Contact Craig Bean, (512-474-6443) hamradioexams [at] hotmail.com for more info. \$14 fee.

<http://texashams.org/w5yi-austin/>

All Through 2016 - National Parks On The Air

<http://www.arrl.org/NPOTA>

Amateur Radio will be helping the National Park Service celebrate their 100th anniversary. Hams from across the country activate NPS units, promote the National Park Service and showcase Amateur Radio to the public!

September 10 - Lubbock ARC's 3rd Annual Hamfest

<http://K5LIB.org/>

September 17-18 - CTX Tour de Cure

Ham coordinators: Lee N5NTG, lee [at] besing.com and Jeff N5MNMW, n5mnw [at] arrl.net

Details pending, please reference:

http://main.diabetes.org/site/TR/TourdeCure/TourAdmin?pg=entry&fr_id=11041

September 30-Oct 1 - Belton Hamfest

www.tarc.org/hamexpo/ www.beltonhamexpo.org/

October 14-16 - Scout Jamboree On The Air/Internet

JOTA-JOTI jota.joti [at] scout.org

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

November 2 - Hospital Drill

Will start at remote location, simulating transported patients. <http://www.tcares.org/>

November ? - NCTECH Hamfest

Azle, Texas - near Fort Worth

North Central Texas Emergency Communicators Ham-festival. <http://www.wc5c.org/>

Jan 8-15, 2017 MPMT Ham Cruise 5 (all rooms booked)

Listen for Carnival Breeze Maritime Mobile!

Galveston, Jamaica, Grand Cayman & Cozumel on Carnival Breeze. Two HF radios installed on the rear of Deck 10 Lido

Upcoming Meetings...

Sep	Oct	Austin Meetings/Happenings	Time	Address
6	4	AARC Meeting @ Applied Research Lab	7:00 p.m.	10000 Burnet Rd
27	25	Travis County A.R.E.S. @ Applied Rsrch Lab	7:00 p.m.	10000 Burnet Rd
22	27	CERT Meeting @ CTECC	6:30 p.m.	5010 Old Manor Rd
26	24	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