

# AARC COVER

## Keeping Austin Wireless for Over 94 Years!

Bulletin of Austin Amateur Radio Clubs

ISSN 1067-0262

April 2015

Issue 4-2015

### Your help is needed!

On April 11, 2015 AARC will be moving the D-star repeater from its current home on the 4th floor of South Austin Medical Center (SAMC) to the top floor just under the elevator dog house. This move will also involve moving the antenna up to the top of the building plus new APRS and BBHN equipment.

The work will be divided into 2 groups, an inside team and an outside team.

**Dallas – KD4HNX will coordinate the outside team.** They will begin work at 0700 due to the heat of the day. Tasks include installing antenna, installing lightning protection and running coax from the antenna to the cabinet.

**Jim – WB5EMI will coordinate the inside team.** They will begin work at 0900. Tasks here include the disassembly of the contents of the cabinet, moving the cabinet, replacing the batteries in the UPS, reassembling the contents of the cabinet, installing new duplexers, reprogramming the repeater for 146.780 and overall check out.

### Please sign up for the AARC D-star Move!

We're using VolunteerSpot to organize this activity.

*(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 -
Sun	8:00 p.m.	Williamson ARES net	146.64 MHz - (162.2)
Sun	9:00 p.m.	ARO Swapnet	146.94 MHz -
Sun	(After Swapnet)	Newsline	146.94 MHz -
Mon.	7:30 p.m.	STX ARES Net	3.873 MHz
Tues.	7:30 p.m.	Hays ARES net	147.100 +
Tues.	8:00 p.m.	Bastrop ARES Net	443.750 + (114.8)
Wed	11:30 a.m.	Ham Social Luncheon, Jim's	146.94 MHz -
Thu	9:00 p.m.	2m SSB Net	144.250 (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
Daily	6:30 p.m.	Central Texas Traffic Net	147.14MHz+

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# Ham Radio Exams Results

The following are the results of the ARRL VE Test Session held on March 7th at Bethany United Methodist Church:

## Technician Class Licenses Processed

Lucas F. Baltisberger KG5GHP  
Carmen S. Iglehart KG5GHR

Cameron T. Bielstein KG5GHQ  
Juan D. Jimenez-Campos KG5GHS

Glyn E. Haynie KG5GHO

## General Class Licenses Processed

Jimmy D. Earl KG5GHM  
Daniel N. Teal KG5GHN

Randall A. Raymond KG5FWD

Clyde H. Springen WA5VLB

## Extra Class License Processed

Dirk-Uwe H. Horn AF5WW

## Examiners Participating in this Test Session

Craig Bean AC5KW  
Donald Sitze AF6VA

Mark Esslinger W5MAE  
Joe Thiel N5SMN

Joe Makeever W5HS  
Bill Wehling N5VE

## Next ARRL VE Test Sessions

April 4th - Bethany United Methodist Church, Disciple Bldg. Room 203/204  
May 2nd - Bethany United Methodist Church, Disciple Bldg. Room 203/204

TNX ES 73 DE W5HS  
Joe

3-21-15

The South Austin W5YI VE team heartily congratulates the following people who earned new or upgraded amateur radio licenses at our February 21<sup>st</sup> session:

## General Class

Daniel Zahara, KG5FOC  
Travis Gagnon, KG5FTK

Michael Wagers, KG5BUA

## Technician Class (NEW)

William Harrison  
Ashley Pantano

Krista Williams

Our administering volunteer examiners were:

Craig Bean, AC5KW  
Wally Marusa, K5WLY

Gary Popp, AE5JR  
James Peisker, AF5NP

Our next two amateur radio exam sessions will start at  
2 PM on April 18<sup>th</sup> and May 16<sup>th</sup> 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  
hamradioexams@hotmail.com or visit our web page at  
<http://texashams.org/w5yi-austin/>

President	Lori Schmidt	KM5MQ	512-632-6789	president@austinhams.org
Vice President	William Moyes	KC6ARO		vice-president@austinhams.org
Treasurer	Jay Hoffman	KA5OST		treasurer@austinhams.org
Secretary	Angie Steelman	KF5ZXI		secretary @ austinhams.org
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ARRL Travis Co. Emer. Coord.	Mark Esslinger			ec @ austinhams.org
TC ARES PIO	Steven Polunsky	W5SMP		tcares-pio@gmail.net

Please contact a club officer, attend a meeting, 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:

<b>FREQUENCY</b>	<b>AUTOPATCH</b>	<b>USE</b>
146.780	No	
146.880	Yes	General
146.940 107.2 PL Tone	No	Most popular, WX, Swapnet & Newslite
224.800	No	
444.100	No	
440.650 +5	No	70cm D-Star Repeater [W5KA]
146.480/+1.0	No	2m D-Star Repeater [W5KA C]
1293.200/-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. To use the autopatch, announce your call sign, press \* and dial the phone number then release the PTT. When finished, press # to hang up the phone. Dial 911 (no \* needed) for emergency services.

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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. Call Mitch London, if mailed submissions are required. Electronic files are encouraged! Submissions may be edited for publication.

**Deadline is the 22nd of the month.**

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](mailto:ka5ost@arrl.net)  
 Jay handles all changes for membership information .**



### Here's how it works in 3 easy steps:

1. Click this link: <http://vols.pt/EnbEDN>
2. Enter your name and email address
3. Sign up! Choose your team - VolunteerSpot will send you an automated confirmation and reminders. Easy!

**Note: VolunteerSpot does not share your email address with anyone.**

Hope to see you there!

Don Dudley - AC5YK  
STX District 7 DEC

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### Donate to AARC When You Shop on Amazon

Did you know that when you buy products off of Amazon.com you can have a portion of that be donated to a non profit such as our club! It does not cost you anything extra; it just designates a part of the price to be donated to our club. <http://smile.amazon.com/about> for more info on the program.

When you shop at AmazonSmile, Amazon donates 0.5% of the purchase price to Austin Amateur Radio Club Inc. Bookmark the link <http://smile.amazon.com/ch/20-0316931> and support us every time you shop.

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### You can operate 80m in Summer!!

Being introduced to NVIS antenna use, I discovered that an NVIS antenna for 80, can be only 10 feet high or less. The lower it is the less you pick up distant static crashes of Summer thunderstorms at night. In other words you improve your signal to noise ratio, and can then operate with nearby states. With strong Zenith signal levels. And later at night, we discovered an interesting effect we are still speculating about. With antennas on 80 as low as 5 feet, we were able to work skip signals from NW coast, WA state, into Central TX. These will be typically S5-6, but Q5. They hear us perfectly well also.

We "think" it might be a combination of Zenith bounce with a ray going out as a chordal hop to a point where it can reflect as a skip signal. Nevertheless it is a reliable way to contact stations during Field Day at the end of June with better signal to noise ratio than usual dipole heights. For years before we discovered that, we often just gave up on 80m, because of Summer thunderstorm static from areas far from us (skip distances). (The chordal hop would skip over distances where storms might be found.)

One thing we have learned. Zenith only propagation, (NVIS), has signals that "pop out" of the background; the late night 80m signals that are at skip ranges, sound like usual skip signals, just at a uniform signal level when being heard from the Pacific NW. The antennas used have been low dipoles each Summer and from two differing sites. One site was rocky with little conductive soil. The other site was over black land prairie soil. A reflector wire was laid on the grass under each low dipole in both sites.

-Stuart Rohre, K5KVH

# The Austin Amateur Radio Club, Inc.

Membership Form - DATE \_\_\_\_\_

**Application for:** (check applicable box and enclose payment)  
 AARC  Individual \$20  
 Family (all with same mailing address) \$30  
 Student rate (thru 12<sup>th</sup> grade, no mail) \$ 5  
 ARRL  Individual ARRL (new or renewal) \$39  
 Senior ARRL (new or renewal) \$36  
 Family member ARRL (at same address) - \$8ea x \_\_\_\_\_ =  
 First time ARRL discount -\$15  
 TEXAS HAMPAC (Political Action Committee (\$10 Max)) \$ \_\_\_\_\_  
 Total Enclosed \_\_\_\_\_

Mail this form with payment to:  
 AARC - P O Box 4739 - Austin, TX 78765-4739

**Check One:**  New member  Renew membership  Update Info  
 ARRL member Y N License class E A G T+ T N Year first licensed \_\_\_\_\_

Call sign \_\_\_\_\_ First Name \_\_\_\_\_ Last Name \_\_\_\_\_  
 Mail Address \_\_\_\_\_  
 City/St/Zip \_\_\_\_\_  
 Hm Ph \_\_\_\_\_ Cel Ph \_\_\_\_\_ Wk Ph \_\_\_\_\_  
 Pager # \_\_\_\_\_ e-mail \_\_\_\_\_

Please list additional family members here and check the family member box above.  
 2<sup>nd</sup> Call \_\_\_\_\_ Name \_\_\_\_\_ ARRL mem Y N  
 3<sup>rd</sup> Call \_\_\_\_\_ Name \_\_\_\_\_ ARRL mem Y N  
 4<sup>th</sup> Call \_\_\_\_\_ Name \_\_\_\_\_ ARRL mem Y N

I/WE have interest in the following:  
 Monthly meetings  Field Day  Working Events  Transmitter Hunts  
 Talking on 2 mtrs  DXing  Newsletter  Holding Office  
 Presenting programs  CW  Net Control  Emergency Comm's  
 Holding ARRL office  Education  Public Awareness  Working w/Youth  
 Others \_\_\_\_\_

Rcvd \_\_\_\_/\_\_\_\_/\_\_\_\_ Amt \$ \_\_\_\_ Ck \_\_\_\_ Cash \_\_\_\_ Dep \_\_\_\_ Post \_\_\_\_  
 (for office use only)

JMH 20150207



The national association for  
**ARRL AMATEUR RADIO®**

# Membership Application

New  Renew  Previous Member  Unlicensed

Name \_\_\_\_\_ Call Sign \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Email \_\_\_\_\_

Date of Birth \_\_\_\_/\_\_\_\_/\_\_\_\_ Phone \_\_\_\_\_

My Family Member is Joining or Renewing:

Name \_\_\_\_\_ Call Sign \_\_\_\_\_

Name \_\_\_\_\_ Call Sign \_\_\_\_\_

Please Note My New Address!

## Your Annual Membership Dues - Circle Your Choice/s.

	1 Year	2 Years	3 Years	
Regular	\$39	\$76	\$111	Monthly QST via standard mail for US members
Canada	\$49	\$93	\$132	Monthly QST via standard mail for Canadian members
Intl QST	\$62	\$118	\$167	Monthly QST via air mail for international members
Intl CD	\$39	\$76	\$111	Annual CD-ROM (QST, NCJ and QEX) for international members
Blind	\$8	\$16	\$24	No QST delivery, all other member benefits apply
Family	\$8	\$16	\$24	Reside at the same address as the primary member, no additional QST. Membership dates must correspond with primary member.

If you are 21 or younger a special rate may apply. Contact ARRL for more details. Additional membership options available online at [www.arrl.org/join](http://www.arrl.org/join).

\$ \_\_\_\_\_ TOTAL

US Memberships include \$15 per year for subscription to QST. Dues are subject to change without notice and are non-refundable.

If you do not wish your name and address made available for non-ARRL related mailings, please check this box

Charge to:  Visa  MasterCard  Amex  Discover  Check Enclosed

Card Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

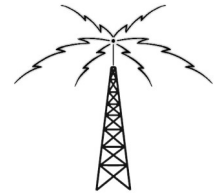
Cardholder's Signature \_\_\_\_\_

Toll free (US) 1-888-277-5289 or 860-594-0200 ■ Online [www.arrl.org/join](http://www.arrl.org/join)  
 ARRL ■ 225 Main Street ■ Newington, CT 06111-1494 ■ USA

-----> The Austin Amateur Radio Club, Inc. <-----  
[www.austinhams.org](http://www.austinhams.org)  
 PO Box 4739, Austin, TX 78765-4739



# Over the WWaves...



## **A Collection of useful and interesting Websites sent in by our readers**

(All links have been checked by editor as working at time of publication)

<http://www.bbc.com/news/technology-31100014>

Glad they found it, but it looks like the storage was NOT very kind through the years. I really doubt they will incorporate it into the rebuilding of the computer in any functional way. I suspect it will just be part of the exhibit.

-Rick K5FNI

When you shop at AmazonSmile, Amazon donates 0.5% of the purchase price to Austin Amateur Radio Club Inc. Bookmark the link <http://smile.amazon.com/ch/20-0316931> and support us every time you shop.

Forwarded by Jay Hoffman, KA5OST

Wow. This takes me back to the films we watched in our electronics specialty Explorer Scout post meetings at General Telephone HQ in San Angelo in the early 60s! We watched WW II/Korean War military training films, as well as telephone training and industrial safety films.

<http://youtu.be/hwutHPYGqfU> The images of this film are fun in the extreme to those who recognize the devices pictured! Watch this and prepare to HAVE FUN!

-- Rick Herndon, K5FNI



## **I Had Always Wondered About Graybar Origins...**

Messrs Gray and Barton, founders of Western Electric Company (Incorporated) and the licensor of most Bell Telephone Laboratories inventions to "the trade", certainly including to Ampex (and to many others).

The plaque on the back on most early Ampexes stated the licensor (including Armor Research, but for other inventions) was Western Electric and explicitly prohibited uses where synchronized with motion pictures (which would have otherwise short-circuited the extant Western Electric production equipment).

After the 1952 Consent Decree had FINALLY been implemented for motion picture sound products, in 1956; by Litton Industries' purchase of the Western Electric principal sound recording equipment lines (including both film and disk, and movie speakers), the plaque essentially had no effect.

Graybar remained in business, and was often a source of genuine Western Electric equipment which "usually" could not be purchased by other than Bell Operating Companies.

Thanks to Ampex List members for above.

-Stuart  
K5KVH

## **Austin Amateur Radio Club General Meeting**

March 3, 2015

**Start time:** 7:00 pm (program) 7:27 pm (business meeting)

**Birthdays:** none

**Visitors in attendance:** Travis Gagnon, KG5FTK New hams: Joe Burbano, KG5FDY

**New members:**

Pam Thompson, KG5FTF      Stefan Wray, KG5FSZ      Victor Neshyba, KF5WCX

**Upgrades:** none

**Call sign changes:** none

**Approval of minutes:** Approved as written in the newsletter

### **Announcements**

**Past events:**

Skywarn: Jeff Schmidt, N5MNV, provided a brief summary: Event was put on by Troy Kimmel, KE5BCK. The morning session was a basic training; the afternoon session started with a presentation by Kevin Kloesel, Ph.D., KE5NFJ, from the University of Oklahoma followed by an advanced training. Event was attended by first responders as well as ham radio operators.

**Upcoming events:**

April 1: Hutto Skywarn session

March 4: Williamson County basic Skywarn: Baca Center in Round Rock from 6:30 pm - 8:30 pm in the grand meeting room

March 7: Irving hamfest, check newsletter for information

March 14: Williamson county swapfest at Georgetown community center. Setup at 7:00 am, general admission at 8:00 am. Tables are \$10, general admission is \$2. To reserve a table contact Kees Talen, K5BCQ.

March 14: West TX section convention in Midland, TX

March 31: Hurricane conference in Austin, location TBD; contact Lori Schmidt, KM5MQ, with questions. Jeff Schmidt will post updates on the mailing lists

**General announcements:**

2015 dues are due, see Jay Hoffman, KA5OST, or Lori Schmidt

T-shirts and polo shirts are available, contact Lori Schmidt

### **Officer reports**

**President:** New Yaesu fusion repeater is still on backorder

**Vice-president:** call is still wrong

**Treasurer:** no report

**Secretary:** no report

### **Other reports**

**newsletter:** Mitch London, KD5HCV: Always looking for articles, photos also appreciated. To reiterate: a link to the hands-free ordinance is on the website and in the newsletter. Send items to [editor@austinhams.org](mailto:editor@austinhams.org)

**technical:** Stuart Rohre, K5KVH: Have been monitoring 146.94 closely; the present adjustments sound "pretty good". If you have any concerns, go to the website and send a condition report. Club station - proceeding as weather allows with the station at the Red Cross. We have setup alternate antennas to carry through transition. W5KA station at the Red Cross: 88' dipole antenna in a horizontal V configuration (due to the shape of the building). Found incomplete solder on coax last night; after repair: 80 M was 2 s units higher; contacted NC4L in Hollywood, FL, on 40 meters, 20 meters was nothing but few in OH, then started hearing CQDX from FR5DX from Reunion Island with an s9 signal

**ARES:** Mark Esslinger, W5MAE: TCARES is always looking for more members. We offer training for new hams -

you can gain exposure in BBHN, winlink, etc. Visit [tcares.org](http://tcares.org) for more information. Meetings are on the 4th Tuesday. We also need hams for the areawide hospital drill scheduled for November.

**BBHN:** no report

**AARC ladies:** no report

**Mitch London:** CERT classes are offered 1-2 times a year. First meeting was tonight. For more information, you can search CERT or go to [Austincert.org](http://Austincert.org).

**Jay Hoffman:** By using [smile.amazon.com](http://smile.amazon.com) you can choose a nonprofit to receive a small donation for each eligible purchase you make.

#### **Old business**

Regarding the member directory: By show of hands, how many approve of name, call sign and last renewal of membership? Who wants telephone numbers? (more hands) Directory will start with name and call and move forward from there.

#### **New business**

Stuart Rohre: Jan 31 was closing for applications for the scholarship fund. Austin Community Foundation sent ~15 or so for consideration. Board meeting will be scheduled when spreadsheet of applicants is prepared and the sheet and applications will be reviewed at that meeting. We gave out \$16,000 in scholarships last year and are hoping for at least that much this year.

Also - The Greenwood estate will operate under the Coupland fund

#### **Ham of the month**

Roger Wines, W5WIA

#### **Door prizes**

13, Paul Fenrich, hat

35, Mitch London, screwdrivers

52, John Frimptor, screwdrivers

#### **Space weather**

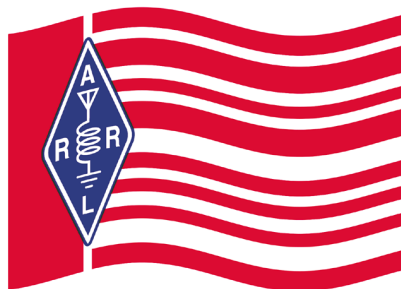
presented by Lew Thompson

#### **Meeting adjourned**

8:23 pm

#### **Presentation**

APD presentation regarding hands-free ordinance by officer Joe Hebbe



# AARC New Meeting Location!

Baby A's near the Arboretum

Our next meeting is April 7th starting at 7:00 p.m. – drop by at 6:00 p.m. and grab a bite to eat!

**Baby Acapulco's**

[9505-B Stonelake Blvd.](#), Austin, Texas 78759 Click the map for a Google Map Link!



## Club Dues for 2015 are Due!

The new year is here and you might as well get a jump on things by paying your dues for the 2015 year.

Besides the admiration of your friends, you also get guilt free use of all club repeaters, access to club equipment, online help through the use of the Austin Hams Yahoo group and much more! Be the first on your block to be a renewing member in 2015!

You can pay online at- <http://www.austinhams.org/join.htm>

Just fill out the .pdf form and mail to:

**The Austin Amateur Radio Club**  
**PO Box 4739**  
**Austin, TX 78765-4739**

**AARC Meeting Info.**  
**Baby A's near the Arboretum**  
**9505-B Stonelake Blvd.**  
**(Come early and have dinner!)**

**Business Meeting 7:00 pm**

**April 7—TBD (Tune in to the on air swapnet for latest on meeting topics)**

**Officers Meeting**

**Officers meet via Skype and meetings are open to club members. Contact an officer for more information.**

**2015 Upcoming Amateur Exams**

**ARRL VEC— April 4th & May 2nd** 9a.m. at Bethany United Methodist Church. Contact Joe Makeever, W5HS (345-0800) or Joe Thiel, N5SMN (832-0450) for info. \$15 fee.

**W5YI VEC- April 18th & May 16th**  
 2p.m. in room 207, Fleck Hall, St. Edwards Univ.  
 Contact Craig Bean, AC5KW @arrl.net,  
 (474-6443) for more info.  
<http://texashams.org/w5yi-austin/>

**2015 Calendar of Events**

**Apr 4 GVARC "Wurst-Ever" Ham Swap Meet**  
 Guadalupe Valley Amateur Radio Club  
 conjunction with the club's quarterly ARRL License Exams. New Braunfels Fire Training Facility on Industrial Road  
 Ronnie K5USN (830)305-0455 K5USN@hotmail.com

**Apr 17-18 Belton Hamfest**  
 Admission \$5 ( Includes a \$2 Raffle Ticket)  
 Talk-in 146.82(-)PL 123.0  
[www.tarc.org/hamexpo/](http://www.tarc.org/hamexpo/) [www.beltonhamexpo.org/](http://www.beltonhamexpo.org/)

**Apr 18-19 BP MS 150**  
 Houston - LaGrange - Austin  
 Sag Committee contact- Susan ms150sags@gmail.com

**Apr 19 MPMT Ham Cruise #4**  
 Carnival Magic  
 Galveston to Belize, Roatan and Cozumel  
 Debbie Rumfield - N5DSR - Agent and Group Leader  
 Lance Rumfield - WD5X - Technical Coordinator for Ham Cruise 4  
 My Pin Money Travel, LLC mypinmoneytravel@yahoo.com 832-656-0731

**Apr 25 Red Poppy Ride**  
 Craig W5TSN is Race Coordinator, Hams are running SAG & many functions!  
 w5tsn@suddenlink.net  
[www.redpoppyride.org/](http://www.redpoppyride.org/)

**May 15-17 Dayton Hamvention**  
 Hara Complex, Dayton, Ohio  
<http://hamvention.org/>  
[www.haracomplex.com/hamvention](http://www.haracomplex.com/hamvention)

**Upcoming Meetings...**

<b>Apr</b>	<b>May</b>	<b>Austin Meetings/Happenings</b>	<b>Time</b>	<b>Address</b>
7	5	AARC Meeting Waterloo Ice House	7:00 p.m.	8600 Burnet Rd.
18		QCWA Tres Amigos	1:30 p.m.	7535 U.S. 290
22	27	Digital Wednesday at CATRAC	7:00 p.m.	4100 Ed Bluestein Blvd.
25	23	Travis Co. REACT Jim's 183 & Burnet	7:30 p.m.	9091 Research Blvd.
28	26	Travis County A.R.E.S. Pickle Research Ctr	7:00 p.m.	10000 Burnet Rd.
23	28	CERT Meeting, CTECC	6:30 p.m.	5010 Old Manor Rd.
28	26	CTDXCC Meeting Old Quarry Library	6:30 p.m.	7051 Village Ctr Dr.

***New Meeting Location for TCARES***

***QCWA Now meets quarterly visit <http://www.qcwa.org/chapter067.htm> for info***

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