



AARC COVER

Keeping Austin Wireless
for Over 93 Years!

Bulletin of Austin Amateur Radio Clubs

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August 2013

Issue 8-2013

AARC Participates in Field Day 2013

By Mitch London

This year the Austin Amateur Radio Club once again took hold of the Red Cross Building in all its glorious air conditioning, which was especially useful after setting up the antenna farm outside! Luckily we did not hit crazy temps like we have in the past. What we did have was a record breaking number of visitors!

In attendance this year were a number of scout troops, and visitors. That means the GOTA station was busy as a bee! Getting these kids and visitors a taste of what amateur radio is all about!



The 2013 Get on the Air (GOTA) station.

For more info, see Stuart's report on page 7.

Periodic Events

Sun	7:30 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	444.150 + (114.8)
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+
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 July 6th at Bethany United Methodist Church:

Technician Class Licenses Processed

Charles G. Criss KF5WJP	Scott T. Crouch KF5WJQ	ANON. KF5WJT
ANON. KF5WJR	ANON. KF5WJS	Martin L. Porter KF5WJU

General Class Licenses Processed

Joel A. Kunze KF5WJV	Michael L. McCluskey KD5SZR	James B. Phipps WB5WBG
Michael Skurka KF5WJW	Aaron R. Taddei N5STS	Gaylene R. Tunison KF5VYM
ANON. KB5RTC		

Extra Class Licenses Processed

Jerry L. McNeill AF5LE	John D. Pape N(0)ZFT	Frank C. Wells K5PHB
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Examiners Participating in this Test Session

Dave Anderton AE5XY	Steven Bonds NQ2S	George Csahanin W2DB
Larry Gunter WB5BEK	Joe Makeever W5HS	Joe Thiel N5SMN

Next ARRL VE Test Sessions

August 3rd - **AUSTIN SUMMERFEST**, ARRL Texas State Convention, Crowne Plaza Hotel @ 12:30
September 7th - Bethany United Methodist Church, Disciple Bldg. Room 203/204

TNX ES 73 DE W5HS
Joe

7-20-2013

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

Extra Class –

General Class –

Jon Deutcher KF5VLG	Christopher Douthat (new)	Christine Watson KF5MZG
Nicholas Young W5NOY		

Technician Class - (new)

Gary Kuehn	Andrew Malota	Charles Sawyers, Jr.
Julie Young		

And thanks to the W5YI administering volunteer examiners:

Craig Bean, AC5KW	Gary Popp, AE5JR
Joe Bryan, K5BRY	Wally Marusa, K5WLY

Our next two sessions are set for August 17th and September 21 at Fleck Hall room 118 on the campus of St. Edward's University. All sessions are walk-in and the exam fee is \$14. Bring two forms of ID (one with your picture) & a copy of your license, if upgrading.

For additional information regarding our amateur radio examination sessions, please contact Craig, AC5KW at [\(512\) 474-6443](tel:5124746443) or by e-mail to hamradioexams@hotmail.com or visit our web page at <http://texasams.org/w5yi-austin/>

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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:

FREQUENCY	AUTOPATCH	USE
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, simplex/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.

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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 20th 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.

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

See Jay Hoffman, KA5OST

ka5ost@arrl.net

Jay handles all changes for membership information .



Silent Keys

(Forwarded by Jeff Schmidt, N5MNB)

All,
Many of you knew "Ms. Betty" W5PUP. She was often seen at the Belton hamfest, most recently in a motorized chair.

She passed away suddenly a few days ago, possibly from complications with an accidental injury.

Below is the link to her obituary and some nice words from Geoff W5OMR.

Ms. Betty will be missed both on-air and in person.

Jeff N5MNB

http://www.jimerson-lipsev.com/fh/obituaries/obituary.cfm?o_id=2148144&fh_id=10709

Betty L. Whitecotton was on a few frequencies, especially early morning on 3.870. Was involved with all the traders nets, and started the 3.870 Boat Anchor net on Wednesday nights.

She used to breed dogs and because of that, she got the vanity callsign of 'W5PUP'.

As for 'what happened', The story goes:

"She was coming back from the Doctors office to have a cut looked at on her leg. On the way back she pulled to the side of the road and called Margie.

Margie called 911 but by the time she got there she had passed. They think it must have been her heart. So sad."

She was 84 years old and driving. The cut probably came from a stick she scraped across out in her garden.

R.I.P. Betty
-Geoff/W5OMR

I am saddened to tell you of another SK in our Ham Radio community.

Dave Dyess KD5QIC passed away Monday after a fight with a long illness.

I just found out about this last night. I am sorry for the short notice.

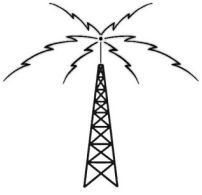
My personal note:

Dave was always there to help at the Cap 10K race for as long as I can remember.

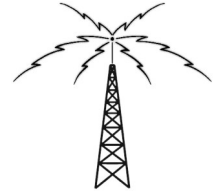
Dave will be missed by many. RIP Dave.

Forwarded by Lori Schmidt, KM5MQ





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)

And you thought you had too many radios...pshaw!

<http://www.qrz.com/db/W9EVT>

And

<http://forums.qrz.com/showthread.php?311312-Washington-Island-s-Ham-Radio-Treasure>

Forwarded by Juanita Miyasaki, KD5OIE

This Android App named Morse Player Free should be a lot of fun for current and aspiring CW nuts:

<https://play.google.com/store/apps/details?id=com.ddsoftware.cw.morseplayerfree>

Description

Morse Player will convert text into Morse code (CW) sounds. It has two modes, real time and text file encoding. In real time mode, characters entered from the keyboard will be played as they are typed. In file mode, a file can be loaded and played back as CW. Using Morse Player is a good way to go from knowing the Morse code characters to hearing words. It is not designed to specifically be a trainer, but training files could be generated and used to learn the characters. For example, I've created files with ham radio call signs to help in call sign recognition for CW amateur radio contesting. Also, using the real time mode and typing the characters is a good way to learn their sounds. Free public domain books from <http://www.gutenberg.org> can be downloaded and played as Morse code in Morse Player. Listening to these books in Morse code is a good way to improve conversational CW copying skills. The only file format supported is UTF-8.

Forwarded By Dale Cockle, K5JIC

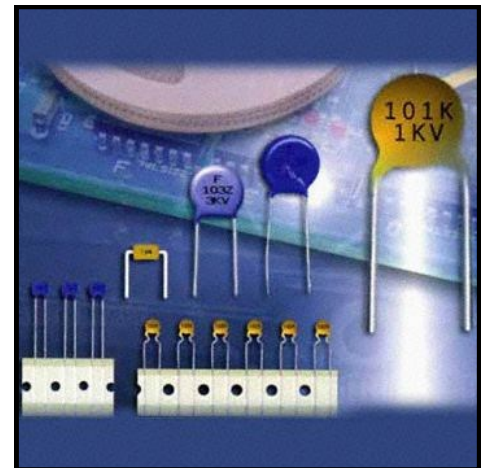
Ceramic Capacitors Are of Various Kinds

By Bob Nelson, K6KL

(Forwarded by Stuart Rohre, K5KVH)

A recent Elmer experience brought this to mind:

This is intended as a design tip mainly for hams new to DIY circuit design. The subject is ceramic capacitors (and really to all capacitor types). It is sort of paraphrased from an Amazon critique I wrote recently on one of their "capacitor-kit" offerings. Selecting the right capacitor for a particular application is much more difficult (and "hazardous") than is the selection of an appropriate resistor type:



There are all kinds of ceramics used in ceramic caps, and that is deliberate. There are ceramics that give huge capacitance in a very small space, but the downside is lack of stability versus temperature and applied voltage.

(Continued on page 6)

Emergency Managers Industry Group Awards Hams'

Broadband Net for Innovation

(Forwarded by Stuart Rohre, K5KVH)

Broadband-Hamnet™ (formerly HSMM-Mesh™) firmware, developed by Amateur Radio operators to provide hams with a high-speed digital wireless communication mesh network, has won both US and global awards from the International Association of Emergency Managers (IAEM). The USA Council of the IAEM designated Broadband Hamnet as a Division 2 (state/regional/national government, international, or nonprofit organization) Technology and Innovation Award winner.

It went on to win the IAEM-Global Technology and Innovation Award in the same division. The awards will be presented in October at the IAEM's annual conference in Reno, Nevada. The firmware was the subject of a cover story article in the July 2013 issue of QST, "A Broadband Ham Network Crosses the Finish Line," by Lynn Jelinski, AG4IU. The firmware is available at no charge via the project website, which describes Broadband-Hamnet as "a high-speed, self-discovering, self-configuring, fault-tolerant, wireless computer network" with very low power consumption and a focus on emergency communication.

The current form uses Linksys WRT54G/GL/GS wireless routers and operates on channels 1-6 of the 2.4 GHz ISM band, which overlaps with the upper portion of the 13 centimeter Amateur Radio band. Glenn Currie, KD5MFW, David Rivenburg, AD5OO, Bob Morgan, WB5AOH, and Rick Kirchof, NG5V, spearhead the effort, and there is a distributed development community with users in the US and abroad. -- Thanks to Broadband-Hamnet webmaster Jim Kinter, K5KTF

(Continued from page 5)

All that is OK for applications where the exact amount of capacitance doesn't really matter, as for example, in bypass capacitors.

At the other end of the spectrum are ceramics that are highly stable, with either a negative or positive temperature coefficient. These are what you typically need in applications like oscillators, for example.

And there are MANY other ceramic types, with characteristics in between these two extremes. Unless you know what you are getting in ceramics, "forewarned is forearmed". Using a bypass-quality ceramic cap in an oscillator or integrator can cause a lot of grief and frustration. And doing something like the opposite can result in unnecessary expense and space consumption.

Every circuit designer should be familiar with the EIA specs and standards on capacitor dielectrics. A book could be written on this topic, and maybe already exists (I don't know). There are many kinds of dielectrics (ceramics, different kinds of plastics, micas, etc.) There is a whole lot more to know about capacitors, as compared to resistors (and resistor types aren't completely simple either).

I spent 50 years in electronics laboratories, and I could tell stories for an hour about how capacitor dielectrics have tripped up young engineers - some stories humorous, others not funny at all. They don't teach this stuff at the university.

A couple of hours spent studying up on capacitor dielectrics can save many days of later frustration. Google will take you to the EIA standards, and a raft of other information on capacitors that every circuit-designer will find helpful.

73 - Bob, K6KL

P.S. - Yes, I know. It's not just those three little letters - EIA - anymore. But remember, I'm an old guy. And the point remains. ■

Field Day Thanks!

By Stuart Rohre, K5KVH

With Field Day technically NOT a contest, Austin club has taken a social and leisurely approach to recent Field Days, although in the 90's we scored as high as fifth in the nation in our class, (back in the days of giant Vee Beam antennas, and running 5 watts on multiple stations scattered over a football field.)

Now, with a ham vacation approach, we do with the given sun spots, and don't kill ourselves in the extreme heat of current drought years. (It takes hours to set up 3 ten wavelength Vee beams, usually about four to six hours.) Same for multiple towers and beams of past years when we were young.

With that said, a lighter approach to Field Day these days still requires behind the scenes action. It starts with club officers, Treasurer, Secretary, Vice President and President. Thank you to those, and to our Editor of the AARCOVER, Mitch London. Right along with the Editor, is the PIO Steven Polunsky who handles things like invitations to State Legislators and PR, so that we get bonus 100 points if one elected official shows up. The Field Day co-chairs take care of getting a spot for Field Day and ensuring we have a Red Cross representative or more, (This year FOUR) attending at some point for 100 more points. We had Rep. Isaac from Dripping Springs, and the TX House, this year for our elected and ribbon cutting person. Red white and blue ribbon and decorated scissors made quick work of the entry to the GOTA station. Oh, and Thank you to all who took pictures throughout Field Day, Please share those with Lori, Jeff and Stuart.

Someone to cook for the pot luck main dish, was again Club W5KA Trustee Joe Fisher, K5EJL, also a long time Red Cross volunteer. If you did not make this BBQ dinner, you missed a professional job; Brisket, ribs, chicken and sausage which left no one hungry. (nibblers were in evidence late into the night). Members brought a dish to share, (Thanks). From vegetables, cheese dip, chips, veggies to desserts we did not go hungry.

The co-Chairs of Field Day, Jeff Schmidt N5MNV, and Stuart Rohre K5KVH, round up rigs, antennas; lines, coax, accessories, mikes and keys, and to assist them, Station Captains. They are ably assisted by Dave Rivenburg, AD5OO, who preps the computers for logging, and sets up a MESH NETWORK and antennas To deliver logs to the main Server. (This greatly helps the N3FJP log program which is "fragile" at its own networking in our past use.) Assisting Jeff with fabricating the tilt over tower base on trailer, was Dave Rose, ham and former Fire Marshal of Round Rock.

We had Lewis Thompson W5IFQ, and Peter Jordahl K5GM, heading the effort on CW and digital modes on the HF bands. They were aided by CW experts, Milos Radosauljevic, KA5QMA, overnight, and Joe Fisher K5EJL. Lewis did RTTY digital QSOs on Sunday.

This year's satellite team were assisted by Mitch and Alan (2012); and Ronny Risinger was GOTA coach and satellite team member with Blaine Kubesh, K5HUB, who got the coveted satellite contact on Sunday.

Bob Morgan, wears multiple hats, with erecting NVIS dipoles, Capt. of the phone station, and assisting with solar power trailer and Power cords, as does Paul Kinney. Legions of club hams loaned equipment, coax, or power cords and adapters.

(Continued on page 11)

AUSTIN SUMMERFEST 2013

August 2 & 3, 2013

Crowne Plaza - Austin
6121 North IH-35
NE Corner of IH-35N & US 290E

Austin, Texas
78752

Our 30th Anniversary!

Once again it's time for fun in the sun in central Texas as we make the Capital City the place to be in the middle of the Texas summer. Come and enjoy old friends, the swapfest, and all the events at Austin Summerfest 2013, the ARRL Texas State Convention. And as always, we also host the Summer Meeting of the Texas VHF-FM Society.

New hotel !!!

Check out
www.austinsummerfest.org
for late breaking news!

Schedule

All the activity is concentrated on Friday night and Saturday, to allow you flexibility in your weekend travel plans. But do come early, as things fire up at 6 Friday evening and go 'till 9, and start up again Saturday at 8 am, with swapping 'till 3:30 and dealers & sessions 'till 4:30.

The Texas VHF-FM Society meeting will run from 1 to approximately 3 pm, so mark your schedule.

Prizes

Prizes Galore! You have a chance at a slew of them, including these Major Prizes:

- *Grand prize* is a **Yaesu FT-857D** HF/6M/2M/70CM compact all-mode transceiver.
- Our *Featured Prize* is a **Yaesu FT-7900R** 50W/45W 2M/70CM mobile transceiver.
- A special *Bonus Prize* is a **Yaesu FT-60R** 2M/70CM 5W heavy-duty handheld.



Bonus Prize,
Yaesu FT-60R

Furthermore, if you register in advance by mail you have a shot at still one more prize—another **Yaesu FT-60R!**

With your registration you get one ticket good for Saturday's door prizes and the Major Prizes, and you can buy more tickets at \$1 each. Plus, if you rent a room at the Crowne Plaza, you'll get five bonus tickets for each room-night, up to a total of ten tickets. (See next page for prize rules.)



Grand Prize,
Yaesu FT-857D



Featured Prize,
Yaesu FT-7900R

Swapfest

For lots of folks, our main event--wall-to-wall goodies of every description, brought to you in carpeted, air-conditioned comfort on Friday evening and Saturday.

Rules:

- Full-sized tables: 6 feet by 30 inches. \$10 each, limit of 3 to a customer. First come, first served.
- AC power is available at an additional \$5 per customer, through advance registration only.
- We'll attempt to honor requests from groups of sellers for adjacent tables, if we receive your registrations in the same envelope.
- If you advance register for swap tables, we'll attempt to notify you in advance if they are unavailable due to being sold out (a rare occurrence). Be sure to give us your email address so we can notify you that way.

- Your table(s) will be held for you until 10 am Saturday.
- Swapfest hours are 6 to 9 pm Friday and 8 am to 3:30 pm Saturday. Opening times are for both sellers (for setup) and shoppers.
- Buyers and sellers must be registered at the convention.

We'll be holding a Tailgate swapfest on the east side of the Crowne Plaza Hotel. You need not be registered at the Convention to sell at the tailgate, but of course you'll want to attend the indoor swapfest and sessions, so it would be a good idea to register.

Technical Sessions

- ARRL West Gulf Division Director **Dr. David Woolweaver K5RAV** conducts this year's **ARRL Forum**, with Vice Director **John Robert Stratton N5AUS**. This year's special guest speaker is **Riley Hollingsworth K4ZDH**, former Counsel for the Spectrum Enforcement Division of the FCC's Enforcement Bureau. Riley always speaks to packed meeting rooms, so get into the forum seating early so that you don't have to stand up to hear his talk.
- The **Central Texas DX & Contest Club**, widely recognized for its excellent Summerfest presentations, has yet another outstanding program lined up for us.
- **Greg Jurrens K5GJ of FlexRadio Systems** will give us the latest on the Software Defined Radio project.
- Find out how to do "the mostest with the leastest" in our QRP workshop.
- The **Roadrunners Microwave Group** hold their annual meeting and host a session on the latest topics on the "high end."
- **Keith Pugh W5IU** leads a wide-ranging discussion on communications through **Amateur Radio Satellites**.
- **Tom Whiteside N5TW**, South Texas Section Emergency Coordinator, hosts a session on **Emergency Communications**.
- **Troy Kimmel KE5BCK** along with other leading Austin meteorologists will conduct a program on the latest in forecasting technology and recent weather events in the central Texas area.

Driving Directions

The Crowne Plaza is at 6121 IH-35 North at US 290, Austin, TX, 78752. Phone (512)323-5466. Talk-in is on 146.34/94. Tone: 107.2Hz

Northbound on IH-35: Take Exit 238-A (RM 2222). Continue on the frontage road over US 290. Turn right into the west entrance of the Crowne Plaza parking lot.

Southbound on IH-35: Take Exit 238 B-A, marked East 290 Houston West 2222. As you go up the ramp, it splits. Bear right at the fork, taking the West 2222 ramp. As you get back down to ground level, stay in the left lane and take the U-turn under IH-35 to the northbound frontage road of IH-35. Get to the right side of the northbound frontage road as soon as possible and take the first right turn into the west entrance of the Crowne Plaza parking lot. If you miss the first turn into the lot, take the second one into the northmost end of the hotel parking lot and work your way back to the front of the hotel.

Westbound on US 290: Take the IH-35 North (Waco) exit. Shortly after the exit ramp, bear to the right; turn right into the south entrance of the Crowne Plaza parking lot. This turn comes up quick; if you overshoot, just follow the turn lane to the right onto the northbound frontage road and turn right into the west entrance of the Crowne Plaza parking lot.

Summerfest will be held in the hotel's convention center in the southeast side. The tailgate swapfest area will be made available Saturday morning in the parking lot section in the southeast corner of the hotel property.

Prize Rules

We'll award door prizes throughout the day Saturday, until noon. For these, you must claim your prize by 12:45 pm Saturday. We'll post your name/call or ticket number at the prize drawing table. Prize tickets are only valid for persons registered at the convention.

At 1:00, we begin drawings for our three Major Prizes.

For the Major and Advance Registration Prizes, you need not be present to win. If you're a winner, we'll post your name and hold your prize. If you haven't claimed it by the end of the day, we'll send it to you.

License Exams

An exam session Saturday afternoon will cover all elements. Bring a photo ID and one other form of identification, and \$15.00; if you're upgrading, bring your current license, any applicable CSCE's, and a photocopy of each. For more info email **Larry Gunter WB5BEK** at wb5bek@arrl.net

After the exams, **Jeff Schmidt N5MNW** and **Ron Hambric N5SBN** have just what you need: **A Welcome and Information for New Hams**.

Amenities

Come on up to our hospitality suite. Room 505—that's where you'll find your old friends and new ones, too. There are soft drinks and munchies on Friday night, and refreshments on Saturday morning.

The Crowne Plaza will serve a special buffet lunch on Saturday priced at \$9.95.

Administration Matters

Exchange views with West Gulf Division Director **David Woolweaver K5RAV**, Vice Director **John Robert Stratton N5AUS**. Find out what's going on and offer your opinions and insights. The ideal way to get or stay involved!

As always, we host the Summer Meeting of the Texas VHF-FM Society, scheduled for 1:00 Saturday afternoon.

Craft and Skills Events

Sandy Talen hosts our crafts session. No prior experience required. Come for a short while or the whole session and take home a completed crafts project. Did we mention, no charge? Children are welcome, but an adult must be with the children to supervise and help.

A word about our special guests...

The Texas VHF-FM Society is a group of several hundred radio amateurs with a special interest in the design and operation of VHF and UHF repeaters. The first meeting of The Society was held on August 8, 1965 on the picnic grounds of Zilker Park in Austin, Texas. Forty-five licensed hams were in attendance, including five XYLs. The Society now counts as members the licensees or technical custodians of nearly all the repeaters in Texas. Today, it continues in that role, minimizing intercommunity friction and helping the maximum number of amateurs operate and use repeaters. The Society educates, mediates, and arbitrates all matters of frequency coordination brought to its attention. The members of the Society invite you and your friends to join us; we know you will find it fun and rewarding to be a part of this organization.

(Continued from page 7)

Red Cross Emergency Services Director, Central Region, Jose Dominguez, facilitated scheduling the building for 24 hours of use. Also assisting from Red Cross were Instructor Tia James, and with set up of tables, class rooms, info table, and recycling, were Red Cross's Barbara Lewallen and Wray Hooper. Wray also facilitated spotting for drivers during moving 3 Red Cross vehicles to place the tower trailer into the corral, and at the end, to supervise moving 3 back into the corral.

Sgt. Charles Rohre, Austin P.D., handles overnight notices to APD.
(The big square ERV truck is harder to back up than a fire truck!)

Stuart Rohre K5KVH, works with Austin Energy's Michael Van Zandt to have the Solar Power demo trailer each year for FD weekend, after AE staff replace any marginal batteries, washes solar cells, and test the inverters. This year, two of the big batteries had to be replaced just days before FD, when they would not charge.

With Red Cross providing ice courtesy of a donation by Redi Ice, we used about 80lbs, and that and cool drinks were kept flowing by Austin React Team members as well as supervising sign in logs, and the info table.

Roger Wines, W5WIA, is our able liaison to the many REACT members who gave up their weekend to help us, and we give great thanks for all.

That seems to be 25 positions filled for Field Day, but some were wearing double hats. How about volunteering in any of these areas above to help next year while we are still thinking about Field Day?

It is the fourth weekend of June each year. That is June 28, 29, 2014!
Write that on your calendar, and plan to volunteer and come in some hat, in 2014. Let's also see if we can exceed the 66 hams who signed in this year.

Of course, we thank all visitors, scouts, leaders, club members, operators (especially) and look forward to more contacts and quieter sun, next year.

I hope we did not leave anyone out! ■

(Field Day Pics at www.austinhams.org)

AARC Meeting Info.

Waterloo Icehouse

**8600 Burnet Rd. South of 183
(Come early and have dinner!)**

Business Meeting 7:00 pm

August 6th - Crossband Repeating For Fun & Practicality—by Jeff Schmidt, N5MNV

Officers Meeting 7:00 pm

August 20th - Officers meetings are open to club members.

2013 Calendar of Events

Aug 2-3 Austin Summerfest,

NOTE: Location Change! Crowne Plaza Austin (NE corner 290E/I-35)
~239 mile post
6121 North IH-35 Austin, TX 78752

Talk-In: 146.94(-)107.2PL
Joe W5HS 512-345-0800 w5hs@arrl.net
www.austinsummerfest.org

Sept 8 Tour De Cure (Sunday)

APRS/voice ops needed
Jeff n5mnw@arrl.net 512-255-6753

Oct 12-13 MS 150 Ride to the River bike ride. (San Antonio)

Need 2m & 440 Voice & APRS portable & mobile stations around the course

Charlie KC5NKK (ATX Hams, contact
Jeff N5MNV (at) arrl.net for Charlie's contact info)

Oct 19-20 JOTA- Jamboree On The Air

K2BSA will be on the air starting from the big Jamboree in July

www.k2bsa.net/2013-plan/

2013 Upcoming Amateur Exams

ARRL VEC— August 3rd (Summerfest) & Sept. 7th
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- August 17th & September 21st
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/>

Upcoming Meetings...

Aug	Sept	Austin Meetings/Happenings	Time	Address
6	2	AARC Meeting Waterloo Ice House*	7:00 p.m.	8600 Burnet Rd.
17	no	QCWA Tres Amigos \$	1:30 p.m.	7535 U.S. 290
28	25	Digital Wednesday at Red Cross	7:00 p.m.	2218 Pershing
26	23	Travis Co. REACT Jim's 183 & Burnet	7:30 p.m.	9091 Research Blvd.
27	24	Travis County A.R.E.S., ARL Auditorium	7:00 p.m.	10000 Burnet Rd.
22	26	CERT Meeting, CTECC	6:30 p.m.	5010 Old Manor Rd.
27	24	CTDXCC Meeting Old Quarry Library	6:30 p.m.	7051 Village Ctr Dr.

*AARC Business Meeting is at Waterloo Ice House Come early and grab dinner before the meeting.

% New Meeting Location for ATV

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