

Over 50 people attend SKYWARN storm spotter training classes sponsored by SAARC on April 4th

By Ken Grimm / KG5BPY

Over 50 people attended the SKYWARN storm spotter training class held Saturday, April 4, 2015 at Trinity Lutheran Church in southwest San Angelo.

The class started off with a welcoming introduction by Steve Mild, Emergency Coordinator for the City of San Angelo and Tom Green County.

Mild then introduced Dwayne Morrison, the mayor of San Angelo, who spoke to the crowd about the importance of ham radio, storm spotting, and the public's civic duty to help keep fellow citizen's safe. "I'm very honored to be able to look out and see that civic pride and duty is not dead in San Angelo, Texas," said Morrison.

Hector Guerrero then made presentations to Mike Dominy and Bill Hinds from the National Weather Service.

Dominy was honored for his 12 years of dedication as Emergency Coordinator for the SAARC and his service to TGC-ARES.

Hinds was presented a certificate of appreciation for the support the TGC-ARES gives to the NWS in supplying spotter information in real time to help in the NWS's mission to give the public the best information possible so they can make decisions to help keep themselves and their loved ones out of harm's way.

The class was divided into two parts, and introduction



Continued on page 3



Hector Guerrero from the National Weather Service presents Mike Dominy/KD5URW a certificate of appreciation for 12 years of dedicated service to ARES and Amateur Radio at the SKYWARN training session..



Hector Guerrero from the National Weather Service presents Bill Hinds a certificate of appreciation for the dedicated service to ARES and Amateur Radio in supporting the NWS at the SKYWARN training session..

Concho Valley Two Meter Net

This net meets every Monday night at 8:00 p.m. (2000) on 146.94/103.5 or 145.27/88.5 as an alternate repeater. All amateurs licensed to operate on that frequency are invited to participate.

*NCS = Net Control Station

Date	NCS	Check Ins	Duration (minutes)
3/2	KG5BPY	15	30
3/9	W5MAT	16	16
3/16	KB5FNK	15	23
3/23	KB5FNK	16	21
3/30	KB5FNK	13	20

2015 West Gulf Division Awards nominations open

Nominate someone today!

By Dr. David Woolweaver

As you may know, the West Gulf Division is eager to receive nominations for the WGD Awards. See www.arrlwg.org and click on 2015 WGD Awards. From the list of activities that I see in the eKiloWHAT newsletter, there must be a nominee or two in the group!

There is nothing better than being recognized by your peers. Why not nominate a SAARC member for a honor? This year's awards will be presented by "Mr. Amateur Radio" himself, Dave Sumner, CEO ARRL, at HamCom in June.

Concho Valley Open FM Repeaters

2 Meter

145.27- San Angelo PL 88.5
 146.88- San Angelo PL 88.5
 146.94- San Angelo PL 103.5
 147.06+ San Angelo No Tone
 147.30+ San Angelo PL 88.5
 146.72- Eldorado PL 100.00
 147.34+ Robert Lee PL 88.5
 146.90- Brady PL 162.2
 147.36+ Brady PL 114.8
 (Echo Link Node)
 147.39+ Eden PL 114.8

70 centimeters

441.750+ San Angelo PL 162.2
 442.250+ San Angelo PL 162.2
 444.225+ Robert Lee PL 162.2
 444.350+ San Angelo PL 162.2
 444.875+ Brady PL 162.2

6 Meter

53.63- San Angelo PL 88.5
 Linked to 442.25 Repeater

D-Star

444.550+ KG5CNG

San Angelo Amateur Radio Club Officers

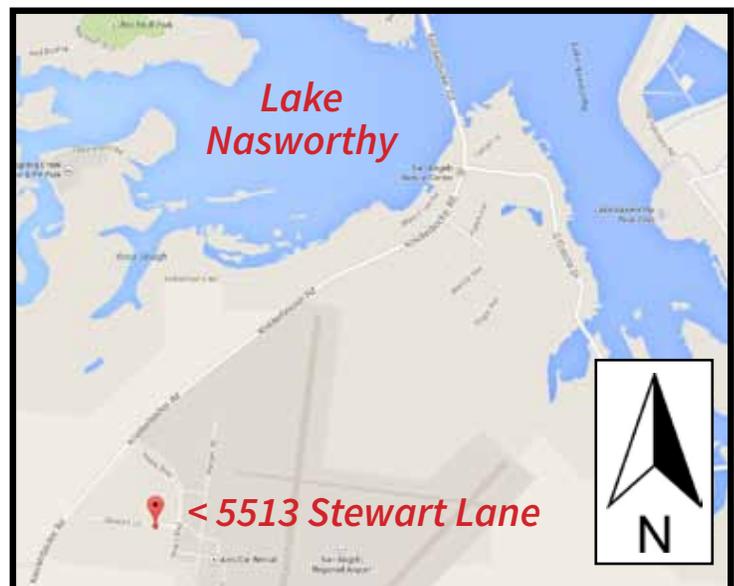
President: Hughbert Robinson/KC5NPC
 Vice President: David Behrend/KF5FNK
 Secretary/Treasurer: Bob Freeman/KD5PIX
 Activity Director: Ken Grimm/KG5BPY
 Emergency Coordinator: Bill Hinds/KG5BQF
 Grounds Chairman: Ralph Stout/KA5ULE

Appointed Positions

SAARC Trustee: Charlie Campbell/KC5EZZ
 Registered Agent: Charlie Campbell/KC5EZZ
 Public Information Officer: Matt Healy/W5MAT

Mailing Address

P.O. Box 4002
 San Angelo, TX 76902-4002



Club House Location

5513 Stewart Lane, Mathis Field, San Angelo, TX

Continued from page 1

to storm spotting and an advanced storm spotting presentation. Basic information on storm cloud formation, how to report and what to report was given.

The SAARC had a booth presentation on the benefits of amateur radio, what the club is doing to serve the community, and how to join and keep up with all the things going on in the club and with TGC-ARES, which the local club sponsors.

Upcoming class schedules were handed out along with information on the social media presences the club maintains.

The attendance was down from other year's attendance, said David Behrend, vice president of San Angelo Amateur Radio Club. "Unfortunately, the class had to be scheduled the same weekend as Easter Sunday," said Behrend. "We normally have 80 to over 100 in attendance. In any case, the attendees of the class were able to receive relevant

and timely training from the National Weather Service on how to report the weather they experience."

The attendees expressed appreciation for the information they received and the training given by the National Weather Service. Several said they will be attended the technician training classes that will be starting soon!

For a schedule of the classes that will be offered to the public for free technician license training, please see page 8.



Hector Guerrero, public liaison from the National Weather Service, conducts a weather spotting and reporting training class for about 50 attendees at the April 4, 2015 SKYWARN Storm Spotter Training Course held at Trinity Lutheran Church in southwest San Angelo.

Upcoming Hamfests/Conventions

Date	Event	Location	Information
06/12/2015	West Gulf Division Convention (Ham-Com)	Irving, TX	www.hamcom.org
07/18/2015	Tidelands Hamfest	Texas City, TX	tidelands.org
08/07/2015	South Texas Section Convention (Austin Summerfest 2015)	Austin, TX	www.austinsummerfest.org

Hamfests and Conventions are listed for Texas. Others may be found at <http://www.arrl.org/hamfests/search>.



Tom Green County Amateur Radio Emergency Service

The Tom Green County ARES group meets the third Thursday at 7:00 p.m. (1900) of each month at the Clubhouse unless announced otherwise on the Monday net.

The Tom Green County ARES group is sponsored by the San Angelo Amateur Radio Club.

TGC-ARES Training Exercise held

The training exercise was held on March 21 from 11 AM to 12 PM

“The NWS has issued a severe thunderstorm warning for San Angelo and Tom Green County.”

TEXTALERT: “(SkyWarn Exercise) THIS IS A EXERCISE FOR SKYWARN NOTIFICATION AND ACTIVATION

A severe thunderstorm watch has been issued by the NWS for Tom Green County from ...”

And the exercise was on! About 15 people participated in the training exercise held Saturday, March 21, 2015, calling in status reports, mobile locations and damage and assessment reports on the 444.350 MHz (PI 162.2) frequency.

Hail, power lines down, traffic lights out, some low water crossings impassable and more were called in as exercise messages.

After the exercise was called to an end by emergency coordinator Bill Hinds, a “hot wash” meeting was held at Dun Bar Restaurant and a lively discussion ensued.

Some take-a-ways from the exercise offered by those that

took part:

- Operators and net control need to be geographically aware. Locations were called in net control didn't know, and operators did not know where they were in relation to the movement of the storm.

- Roll call when passing control from initial net control to NWS/EOC net control seen as an issue that took a lot of time when active status reports were being called in.

- Need an operator for each frequency. Need headphones for EOC/NWS operators. Sidebars need to be on separate frequency. Better information needed to be passed.

- When to go to different color conditions discussed, clarification and more discussion needed on this topic.

- Phonetics-don't use, use only last three of call sign when traffic gets heavy discussed.

- Emphasis on safety impressive, accuracy protocols effective. Didn't hear “This is an exercise” each time.

- Kudos given to NWS and EOC workers, did a stand-up job in a difficult situation. Handled the situation professionally.

- One big glaring item: Lost all connection with one of the participants and radio communications with another. If a call was needed to authorities to go look for them, no one knew what they were driving or could offer a description to give to authorities. Discussion on how to address this issue was tabled for another meeting.

- One of the participants lost radio contact, but not sure why. Was eventually found, but need to find out what happened.

Overall, was deemed a success by all parties, and a great first start to real-time, hands-on training.



The “hot wash” meeting held at Dun Bar Restaurant after a successful initial training exercise for the TGC-ARES group was attended by Ken Grimm / KG5BPY, (pictured left to right) Drew Barth, Linda Wilson, Maxine Dixson / K5FDC, David Eaton / KB5EDB, Jerry Decker / , Bill Hinds / KG5BQF, Gary Pittman / KE5TXL, Bob Shappee / KG5GRP, Gary Chafin / W5ETJ, Jimmy Welch / KG5BQE, Ron Juhl, and David Lewis / W5DLL.

TGC-ARES moving forward on many fronts – training, organization, exercises

By Bill Hinds / KG5BQF, Emergency Coordinator

ARES group has been moving steadily forward this past month. The group has established an emergency alert system which will be used during severe weather and other emergency situations. Those who have not given me their cell phone numbers and the provider and wish to be included please send this information to me at KG5BQF@gmail.com.

Team leaders have been selected and they will soon be in training, once they are trained up then they will work with members of their teams to complete needed training.

The leaders are: Gary Chaffin, W5ETJ; Jimmy Welch, KG5BQE; Chuck Dixson, K5QZQ; Jerry Decker, N5RV.

March 21st will be the date of our exercise for severe weather in conjunction with the National Weather Service. This will be an exercise to test all equipment as well as protocol and procedures. The exercise will be finalized at the meeting on the 19th.

Emit Lopez will be holding a class at the Emergency Operations Center (EOC) on March 28, 2015 at 9 AM, for the 700 Incident Command System which is the first class needed. This class will introduce the National Incident Management System and ICS is the operating portion.

Meeting Cancelled
The TGC-ARES meeting for April 16, 2015 was cancelled due to storm spotting activity at the time.
More info to come on rescheduling.

Check your Go-Kits

2015 is proving be an active weather year!

Keep yourself prepared for those emcomm situations, it would be a good idea to check through your Go-Kits: Charge batteries, check the radios, chargers, coax lines, portable antennas, ARES procedure booklets, frequency charts, phone contact lists printed out. Having an up to date phone list kept in your glove compartment sure is a good thing to have!

Chuck Dixson/K5QZQ prepared an extensive Go-Kit List booklet for the club to use! Thank you!



Tom Green County ARES Net

By Bill Hinds/KG5BQF - Emergency Coordinator

The Tom Green County ARES net meets every Monday night at 8:30 p.m. CST (2030) on the 444.350 MHz

(Pl 162.2) frequency.

The Tom Green County ARES group greatly appreciates the use of the N5SVK machine.

Other frequencies may be announced on the Concho Valley 2-Meter Net at 8:00 p.m. (2000).

Date	NCS	Check Ins	Duration (minutes)	Frequency
3/2	W5MAT	12	15	444.350
3/9	KA5ULE	12	11	444.350
3/16	KG5BPY	16	17	444.350
3/23	KG5BQF	13	20	444.350
3/30	KG5BQF	17	18	444.350

Special Notice from your West Gulf Director

***Bill introduced to give ham radio “reasonable accommodation” to private use land restriction
If you live in an HOA (Home Owner’s Agreement) this legislation is important to you!***

The Amateur Radio Parity Act of 2015 -- H.R.1301 -- has been introduced in the US House of Representatives. The measure would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land use restrictions. US Rep Adam Kinzinger (R-IL) introduced the bill on March 4 with 12 original co-sponsors from both sides of the aisle -- seven Republicans and five Democrats.

HR 1301 would require the FCC to amend its Part 97 Amateur Service rules which apply to the three-part test of the PRB-1 federal pre-emption policy to include homeowners’ association regulations and deed restrictions, often referred to as “covenants, conditions, and restrictions” (CC&Rs). At present, PRB-1 only applies to state and local zoning laws and ordinances. The FCC has been reluctant to extend the same legal protections to include such private land-use agreements without direction from Congress.

H.R. 1301 has been referred to the House Energy and Commerce Committee. Rep Greg Walden, W7EQI (R-OR), chairs that panel’s Communications and Technology Subcommittee, which will consider the measure.

ARRL members are urged to contact their US House members and ask them to sign on to the bill as a co-sponsor. We recommend sending the enclosed letter to your member of Congress to:

ARRL Attn HR 1301 grassroots campaign 225 Main St
Newington CT 06111

Why does the ARRL request I send my letter to the ARRL instead of simply mailing it to my Congressperson?- There are several reasons. First, because of security concerns, it can take from six to eight weeks for a letter sent directly to a Congressional office to be delivered. All mail to their office is delivered to a holding facility to be screened to problems before they are finally sorted and delivered.

Second, and as important, when the ARRL receives your letter, it can be combined with other letters to your Congressperson and hand-delivered to their office on Capitol Hill. This provides an additional opportunity for our Washington team to have a face-to-face meeting with the key staff in each Congressional office. A stack of letters delivered at the same time makes a large impression.

When sending a letter to a member of Congress, please keep in mind a couple of things:

1) Please make sure you address the letter to your individual Representative. Letters sent simply “Dear Representative”

cannot be delivered.

2) Letters on a House Bill sent to a member of the US Senate (or vice versa) are not useful. Misaddressed letters, such as calling a member of the US House “Senator Such-and-such” cannot be delivered.

3) You must sign your letter and include your mailing address. Letters that are unsigned or that do not include your address cannot be delivered.

Verify your Representative by going to this web site.

<http://www.house.gov/representatives/find/>

Enter your Zip code and Click “Find your Rep by Zip”. Your Representative and his/her address will be displayed.

Scan your signed/addressed support letter and prepare a .pdf or Word document. Mail to:

ARRL Attn HR 1301 grassroots campaign 225 Main St
Newington CT 06111

You may E-Mail your signed and addressed letter to:
n1nd@arrl.org

Also, you may FAX your signed and addressed letter to:
860-594-0259

A sample letter may be downloaded from the ARRL web site. <http://www.arrl.org/hr-1301>

Scroll down to “Is there a sample letter I can send to my Congressperson?” Click on the link a sample letter will be displayed. For your convenience a copy is provided below.

Date

*CONGRESSPERSON NAME CONGRESSPERSON
ADDRESS*

Dear Representative _____:

I am a constituent in your District and I want to bring an issue to your attention. I am a federally licensed Amateur Radio operator, one of nearly three-quarters of a million licensees of the Federal Communications Commission in the United States who provide communications support for and participate in public service events on behalf of our communities. During and in the aftermath of disasters and emergencies, when other forms of communications are unavailable, we provide communications for first responders and for federal, state and local governmental agencies and non-governmental agencies, including the Red Cross and Salvation Army. In addition, we provide communications to the United States Military through the Military Auxiliary Radio System (MARS) and to our neighbors when communications systems are overloaded or fail.

Radio Amateurs contribute to the future of telecommunications as we participate in the development of innovative technology in this digital age. Amateur Radio is non-commercial, and we provide our services at no charge to anyone. However, we cannot do any of these things unless we can erect an outdoor antenna at our residences. Recently, a bipartisan Bill, H.R. 1301 - "The Amateur Radio Parity Act", was introduced by Congressman Adam Kinzinger (IL-16) with Congressman Joe Courtney (CT-02) and eleven additional original co-sponsors. HR 1301 directs the FCC to extend their existing PRB-1 regulations of "reasonable accommodation" of Amateur Radio communications to include private land use regulators. This would afford us the ability to negotiate with homeowner's associations in residential developments. Currently, private land use regulations routinely include restrictions that completely prevent Amateur Radio communications operators from installing any type of outdoor antenna system. The "reasonable accommodation" policy has for 30 years applied to municipal zoning ordinances. This Bill would extend the policy to operators living under private land use restrictions. The FCC has asked Congress for guidance in this area and this Bill provides it.

As your constituent, I am asking that you support the bill by signing-on as a cosponsor of HR1301. Please contact Rep. Kinzinger's office to do so. If you have any questions, please contact ARRL, the national association for Amateur Radio, attention Dan Henderson, at 860.594.0236. Thank you.

Sincerely,

LICENSEE NAME & CALL LICENSEE ADDRESS

If you live in a HOA, this legislation is extremely important to you. If you don't live in a HOA, please support those who do and send your signed letter today!

Letters from constituents impress elected officials. After all, you vote them into or out of office. Your signed and addressed letter will markedly increase the likelihood of passage of HR 1301.

Thank you for taking your time to support HR1301. The future of amateur radio may rely on this legislation.

David Woolweaver, K5RAV

Contact information

ARRL West Gulf Division Director: David A Woolweaver, K5RAV k5rav@arrl.org

Let's share a meal!

Come join us for a meal and some fellowship fun! The Tom Green County hams get together regularly to eat and greet and just have some fun. The current schedule is:

Wednesday, 7:30 AM

T-Bears Café

2105 Knickerbocker Rd

Thursday, 9:00 AM

McDonald's (Wal-Mart)

5501 Sherwood Way

Saturday, 7:30 AM

T-Bears Café

2105 Knickerbocker Rd

Saturday, 9:00 AM

McDonald's (Wal-Mart)

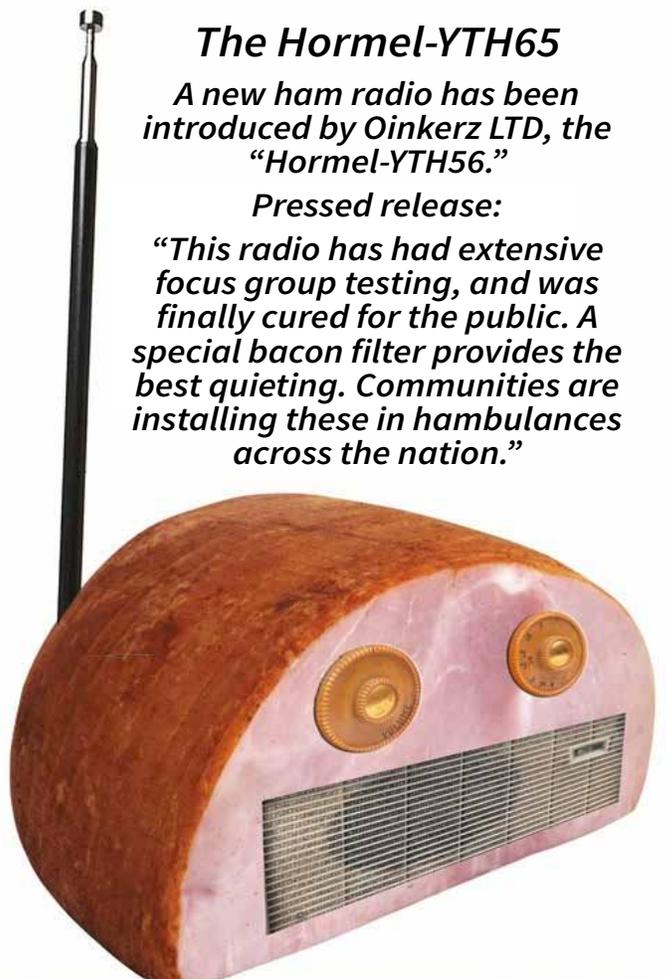
5501 Sherwood Way

The Hormel-YTH65

A new ham radio has been introduced by Oinkerz LTD, the "Hormel-YTH56."

Pressed release:

"This radio has had extensive focus group testing, and was finally cured for the public. A special bacon filter provides the best quieting. Communities are installing these in hambulances across the nation."





FREE technician classes scheduled for public

April Class Schedule

Friday, April 24 • 6–9 p.m.
Saturday, April 25 • 8 a.m.–5 p.m.
Sunday, April 26 • 8 a.m.–Noon
Sunday, April 26 • Noon–1:30 Lunch
Sunday, April 26 • 2:00 p.m.
Testing

May Class Schedule

Friday, May 8 • 6–9 p.m.
Saturday, May 9 • 9–Noon
Saturday, May 16 • 9–Noon
Saturday, May 23 • 9–Noon
Sunday, May 24 • 1:30 p.m.
Testing

Classes for teaching material for those wishing to earn their technician class license from the FCC have been scheduled.

Please note: Attendance in these classes IS NOT REQUIRED TO BE ABLE TO TEST.

You may study on your own, or attended the classes as you can.

These classes are offered by the San Angelo Amateur Radio Club as resources to those who wish to utilize them for learning or review in preparation for the test, or for those who wish to brush up on their knowledge of ham radio operations.

Classes will be held at SAARC Clubhouse at 5513 Stewart Lane, see page 2 for map to clubhouse.

SCANNER JACK'S CORNER



**“Scanner” Jack Roberts
KB5TMY**

TRS = Trunk Radio System
 EDACS = Enhanced Digital Assist
 Communication System
 LCN = Logical Channeling Number
 P25 = Digital Communications Mode

Here are some definitions that will help you with your scanner:

- AFS – agency fleet sub fleet
- apco project 25 – aka p25- Association of Public Safety Communications Officials
- conv – Conventional
- EDACS – enhanced digital access communications system
- LCN – Logical channel number
- EDACS – uses LCN
- LTR – logic trunked radio
- MOT – Motorola
- TGRP – Talkgroup
- TSYS – Trunked system is the automatic sharing of frequencies
- SRCH – Search
- STALK – Signal stalker

NOTE:

Your digital scanner will not receive DSTAR-Digital smart technologies for amateur radio or Provoice
 LTR – Does not use a dedicated control frequency
 It uses distributed frequencies

Here are the frequencies for all the Trunk Radio Systems (TRS) in Tom Green County

City of San Angelo	City of San Angelo	AEP EDACS LCN	AEP EDACS LCN	Goodfellow AFB P25
1 855.4625	1 854.9625	1 855.6375	1 855.1625	1 138.0375
2 856.2125	2 855.2125	2 858.3125	2 855.8625	2 138.2375
3 856.4625	3 855.4875	3 859.3125	3 857.8125	3 138.7125
4 856.9375	4 855.7375	4 859.3625	4 855.4125	4 139.3375
5 857.4625	5 855.9875	5 860.3625		5 139.9375
6 858.4625	6 856.2625	6 856.3625		6 142.0375
7 859.4625	7 856.7125	7 857.3375		
8 859.9375	8 856.9875			

HF Nets of Note *By Gary Chaffin/W5ETJ*

Net	Days	Local Time	Dial
Concho Valley Ragchew Net	S-M-T-W-T-F-S	0600	1900*
Concho Valley Ragchew Net	S-M-T-W-T-F-S	1700	3825**
7290 Traffic Net	M-T-W-T-F-S	1000-1200	7290
7290 Traffic Net	M-T-W-T-F	1300-1400	7290
Texas Traffic Net	S-M-T-W-T-F-S	1830-1930	3873
Central Gulf Coast Hurricane Net	S-M-T-W-T-F-S	1900-2000	3935
Texas ARES Net	Monday	1930-2000	3873
Big Bend Emergency Net	Sunday	0830-0930	3922
Texas Trader's Net	Sunday	0900-1000	7245
Concho Valley 6 M Roundtable	Sunday	2100	50.135

* Alternate frequency: 3825. ** 7212, or close, for summer months.

General Exam Licensing Updates

Revisions to General License Question Pool

As some of you are probably aware, the FCC question pool for Amateur Radio General license exams will change effective July 1, 2015.

The new pool has been released by the Question Pool Committee (QPC) of the National Conference of Volunteer Examiner Coordinators (NCVEC) and is posted on its website at www.ncvec.org/ama_news_article.php?id=112.

This question pool becomes effective for all Element 3 examinations to be administered on July 1, 2015, and remains valid until June 30, 2019.

According to NCVEC's QPC Chair Roland Anders, K3RA, the General class question pool was reviewed to remove questions that have become somewhat outdated

and to add others on topics that have newly entered the hobby. The biggest change is the added emphasis given to digital communications.

ARRL study manual author Ward Silver, NØAX, has developed a spreadsheet cross referencing the existing general question pool with the new pool for July 2015. This will help instructors identify where they need to make changes in their General license preparation instruction. The spreadsheet is posted on the ARRL website at www.arrl.org/instructionarrl-resources.

New ARRL Student Study and Instructor Materials ARRL will be updating its student study manual, the ARRL General Class License Manual, and ARRL's General Q&A for release in April. The League is also developing materials for General license upgrade instruction, including lesson plans and PowerPoint® slides.

Source: <http://bit.ly/1zL4MiY>



San Angelo Amateur Radio Yahoo Group

Yahoo Group for all hams

By Ralph Stout KE5ULE

Join this Yahoo group made for all hams! Fully functional with pictures, calendar, files section and link section.

From the site: "Welcome to the San Angelo Amateur Radio Group!"

All ham radio operators are welcome to join the group, upload files, links and photos. Be sure to check the calendar for upcoming events.

All are welcome to use this group to discuss Amateur Radio, share tips and promote Amateur Radio in San Angelo and the surrounding area."

This is a restricted group that requires approval for membership, and messages require approval for posting.

Go here for more information and to join!

<https://groups.yahoo.com/neo/groups/saarg76903/info>

ON THE NET

www.csvhfs.org — Central States VHF Society

k5wph.org — Sun City ARC K5WPH

www.w5es.org — El Paso ARC W5ES

k5elp.com — West Texas Rptr Assn, K5ELP

www.hamradioelpaso.com — New web site in El Paso

www.bigbendarc.com — Big Bend ARC, Alpine TX

www.w5qgg.org — Midland ARC, Midland TX

K5LIB.org — Lubbock ARC, Lubbock, TX

hamradio.noaa.gov — United States Skywarn

wx.findu.com/k5wph — SCARC's WX Sta

dx.qsl.net/propagation/index.html — Flare/MUF info

spaceweather.com — Aurora, sun spots, CMEs

www.irlp.net — Internet Radio Linking Project

irlp.g4eid.co.uk/status/all_reflectors.html — Shows status of all reflectors

www.sota.org.uk — Summits on the Air

www.w5qx.org — San Angelo ARC, San Angelo, TX

www.abilenehams.org — Abilene ARC, Abilene, TX

www.orgsites.com/tx/w5wx — Panhandle ARC, Amarillo, TX

ARRL to FCC: Amateurs and vehicular radars can play nicely together on 77-81 GHz

ARRL tells FCC it should make no change in the 76-81 GHz band and impose no additional regulatory constraints on Amateur or Amateur-Satellite uses of the band

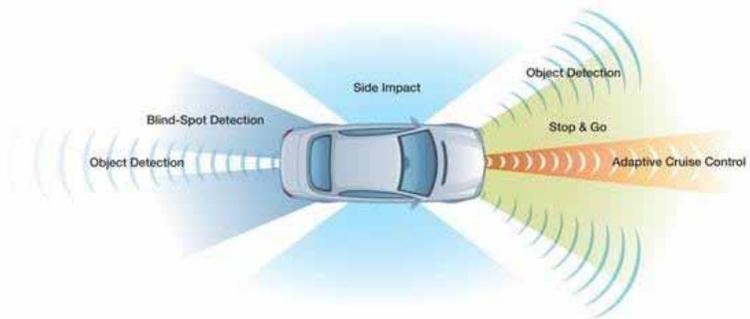
In comments filed on April 6 in response to a February FCC Notice of Proposed Rulemaking and Reconsideration Order (NPRM&RO) in ET Docket 15-26, the ARRL has told the Commission that it should make no change in the Amateur Radio allocation at 76-81 GHz and impose no additional regulatory constraints on Amateur or Amateur-Satellite uses of the band. The League said the FCC should proceed with authorizing short-range radar (SRR) systems for automotive applications in the band under Part 15 rules, and that such applications are compatible with amateur operations in the band. The NPRM&RO can be found on the web in PDF format at, https://apps.fcc.gov/edocs_public/attachmatch/FCC-15-16A1.pdf.

In its NPRM&RO, the FCC solicited comment on issues involving expanded use of various radar applications in the 76-81 GHz band, which Amateur Radio shares with other services. The band 77.5-78 GHz is allocated to the Amateur and Amateur Satellite services on a primary basis, and to the Radio Astronomy and Space Research services on a secondary basis. The NPRM&RO was in response to a 2012 Petition for Rulemaking (RM-11666) by Robert Bosch LLC and to two petitions for reconsideration of a 2012 Report and Order (R&O) addressing vehicular radar systems in the 76-77 GHz band. ET 15-26 incorporated earlier proceedings. The R&O can be found on the web at, <http://www.fcc.gov/document/toyotaera-76-77-ghz-band>.

In its comments, the ARRL suggested that the FCC overreached in proposing unjustifiable changes at 77-81 GHz on its own initiative.

“There is not, anywhere in the four corners of the Bosch Petition for Rule Making or in any comments that have been filed thus far in response to RM-11666, any suggestion that there is any incompatibility between Amateur Radio operation and automotive radars,” the ARRL said. “Quite the contrary.” The League said a credible, current ITU study has “definitively established” compatibility between short-range automotive radars and Amateur Radio.

The ARRL said Bosch’s filing of its Petition followed “extensive discussions and technical evaluations between ARRL and Bosch” that making spectrum at 77-81 GHz available for automotive radars “would have no significant impact on the Amateur Radio Service.” Bosch, the League pointed out, “did not propose a domestic spectrum allocation for vehicular radar devices and systems,” just modification of the FCC Part 15 rules to permit vehicular radars at 78-81



Vehicular radars pose no threat to amateur radio nor does amateur radio pose any threat to the operation of these radar applications on vehicles, says the ARRL.

GHz on the same basis that these radars now operate in the US at 76-77 GHz - on a non-allocated, non-interference basis.

The ARRL said that no changes are necessary in the Amateur Radio domestic primary allocation at 77.5-78 GHz or in the secondary amateur allocation at 77-77.5 GHz or 78-81 GHz to accommodate automotive radar systems at 77-81 GHz. “Nor are any additional Part 97 rules necessary to accommodate compatible sharing of that band between radio amateurs and automotive radar systems,” the League added. “Indeed, that is the position of the United States in anticipation of consideration of WRC-15 agenda item 1.18 later this year.”

The League characterized as “both premature and poor spectrum management” the FCC’s proposal to unilaterally permit unspecified fixed radar systems throughout the 76-81 GHz band “without the benefit of any completed, definitive studies relative to the compatibility of fixed radar systems with automotive radar, radioastronomy and/or Amateur Radio in this band.”

Any consideration of fixed radars at 77-81 GHz, the League said, “should await the completion of conclusive, refereed compatibility studies that credibly establish compatibility with incumbent services.”

The ARRL said should there be any “unjustified displacement” of the Amateur or Amateur-Satellite services from any portion of the 76-81 GHz band, the FCC should allocate “equivalent spectrum” for those services. As possibilities, the League suggested the bands 75.5-76 GHz and 81-81.5 GHz.

The deadline for reply comments - ie, comments on filed comments - in this proceeding is April 20. The ARRL plans to file reply comments.



Meeting Minutes

SAARC Minutes March 12th, 2015

The meeting was called to order by Hughbert Robinson, KC5NPC at 7:30pm.

The meeting opened with the Pledge. Introductions followed the Pledge.

Bill Hinds, KG5BQF, made the motion to accept the February's Minutes as presented in the e-KiloWhat, seconded by David Behrend, KB5FNK. The motion carried.

Officer's Reports

President: Hughbert Robinson: no report this month

Vice Present: David Behrend – procured an SAPD officer for our program to review the new laws.

Treasure/Secretary: Bob Freeman – no report this month – (absent)

Grounds Chairman: Ralph Stout;

- Still working on getting quotes on the soffits on the east end of the club house.
- Working on getting quotes for two ceiling fans for the club house.

Emergency Coordinator: Bill Hinds

- The next ARES Meeting will be held at the Club House at 7pm on March 19th.
- There will be an emergency training exercise on March 21st from 11 to noon with an after action debriefing immediately following the exercise.
- There will be a Basic Storm Spotter training for Law Enforcement, Fire Department and ham operators at the EOC on March 24th from 6:30 until 8:30 put on by the NWS out of Norman, OK.
- There will be an Advanced Storm Spotter training for ham operators at the EOC on April 7th from 6:30 until 8:30 put on by the NWS out of Norman OK.
- Bill is working on updating the current SOP for ARES.
- Media Notices:
 - o March 20th Bill Hinds and David Eaton on KSAN at 5 pm for Skywarn training announcements.
 - o March 30th Bill Hinds and David Eaton on the Pat Attebury Show at noon for Skywarn training announcements.

- o April 1st Hector Guerrero from the National Weather Service will be on KCSA at noon for Skywarn training announcements.

- o April 3rd on KSAN at 5 pm for Skywarn training announcements.

- Emmett Lopez will be teaching the ICS 700 Course On March 28th from 9 am until 4 pm at the EOC.
- April 4th will be the Skywarn Training at the Trinity Lutheran Church at 3536 YMCA Dr. from 9 am until noon. Extra help will be needed in setting up the room so if anyone can make it in early, the help will be appreciated.

Activities Director: Ken Grimm;

- Asked to put a marketing ad hoc committee together to make sure the club is putting out a consistent message to the public. Ken Grimm, Tom Austin and Ralph Stout will make up the committee.
- Talked about having a small booth presentation at the Skywarn Training to bring ham radio to those in attendance.
- Got handouts from ARRL for those that might be interested in ham radio at the Skywarn presentations throughout the area.
- June 27th and 28th are the days scheduled for this year's Field Day. The club is currently trying to secure a location and then we will move forward with assigning jobs/radio operators & times/activities and other details for the event.
- Ken is always looking for material for the e-KiloWhat
- Calendar
 - o Skywarn Training March 28th Grape Creek 9:00 am
 - o Skywarn Training April 4th Trinity Lutheran Church 9:00 am
 - o Skywarn Training April 23rd Wall 7:00 pm

Public Information Officer: Matt Healy

- The club meeting was published in numerous outlets this month
- Visited with Bob Freeman, he has out of town company and that is why he couldn't make the meeting. Did let him know the club would be doing an audit.

Old Business:

- Rescheduled the antenna work for March 20th weather permitting. It is currently scheduled for 1:30 pm and Jimmy Welch will help Gary Pittman.

Australian Ham's "PicoSpace" Balloon Circumnavigates the Globe

From ARRL News, posted 04/17/2015

A foil, party-type balloon carrying a ham radio payload has circumnavigated the globe. Launched on April 6 by Australian radio amateur Andy Nguyen, VK3YT, of Kensington, Victoria, Australia, the balloon, designated PS-41, completed its round-the-world journey on April 16 and is still in the air. Along the way, it has been tracked by a network of Amateur Radio operators. Nguyen has been trying since early last year to have one of his launches go full circle.

"PS-41 crossed the starting longitude of 144.903 at 11:20 AM AEST (0120 UTC) this morning, completing the first PicoSpace around-the-world trip," Nguyen posted on April 16. "Thanks to everyone for assistance with tracking and providing encouragement for the project; the trip would not have been possible without you." In January, Nguyen's PS-30 balloon went down in suspected poor weather off the east coast of Africa near Madagascar.

The solar-powered, helium-filled PS-41 balloon carried an HF payload, sending WSPR spots and JT9 telemetry on 30 and 20 meters from a 25 mW transmitter. The high-altitude PS-41 took a path over Tasmania, then south of New Zealand, the southern tip of South America, directly over the South Georgia and South Sandwich islands, well south of Africa, and back across to Australia.

Nguyen's companion PS-42 balloon has made its way to the South Pacific between New Zealand and South America.

"PS-41 and PS-42 are still in the air and will continue to be tracked in the coming days," Nguyen said. The balloons have been extensively tracked via JT9 by a network in Australia, New Zealand, South America, South Africa, and Ireland. WSPR spots have as received all over the world. Dial frequencies are 10.1387 MHz and 14.0956 MHz. PS-41 is at 900 Hz, and PS-42 is at 1100 Hz on the waterfall. — *Thanks to Jim Linton, VK3PC*

- Insurance from ARRL will not be renewed because we own our building. Tom Austin is working on the insurance issue.

- Bill Hinds said that Cavender's will donate a pair of boots for the raffle if that is the direction the club wants to go.

- David Lewis said Bob Freeman needs to file an IRS Form 990 by May 15th to maintain our 501© status. Johanna Augustine will it online.

- Tom Austin needs a letter from the club thanking him for his donation. That needs to come from the Club Secretary.

New Business:

- KCSA will be hosting the first meeting of the Concho Valley Citizen Cares on March 17th at the Calvary Baptist Church in support of our Police Department.

- Gary Chaffin talked about the new club directory.

- The NWS will have a D-Star compatible unit at the weather service.

David Lewis won the split the pot and donated the winnings back to the radio account. That will raise the radio account balance by \$36. Thanks David!

Matt Healy made the motion to adjourn, seconded by Ralph Stout; the motion carried and the meeting was adjourned at 8:35pm

This month's program was SAPD on an update of laws that might affect us.

Bob Freeman Treasure/Secretary submitted by Matt Healy



San Angelo Amateur Radio Club in no way endorses nor implies the condition or usefulness of any item presented here. These listings are a complimentary benefit for club members only.

FOR SALE

Kenwood TS 450sat with 20A power supply, manuals, power cord, mic

Excellent condition. \$550

K5CMW Alex

325 234 3033



ARRL Field Day

June 27-28, 2015

International Lily Fest

September 2015



Membership renewals are due each January. Regular memberships: \$20, Each additional family member: \$5; Seniors (age 65+) and Juniors (under age 19): \$10, Renewal package deal: 5 years for \$80, Associate members: \$20

Dues may be paid to the secretary at any club meeting or mailed to the club's post office box.



**Application
for
Membership**

Last Name:	First Name:	Call Sign:
License Class:	Year First Licensed:	Previously Held Calls:
Mailing Address:		
Physical Address (if different from above):		
City:	State:	ZIP:
Home Phone:	Work Phone:	Cell Phone:
E-mail address:		
<p>I hereby give permission to publish the above information in the club's membership roster which is distributed to all club members. Check here <input type="checkbox"/> if you do not want your e-mail address linked on the club's Web site.</p>		
Signature		Date