



The Sky Wave

A monthly publication of the Sumner County Amateur Radio Association
Sumner County, Tennessee

June 2019
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VE Testing

Bill Esquilla W3UO

Meetings are held on the second Thursday of each month at 7:00 PM. Testing sessions are held at 6:00 PM on meeting nights. All exams (Technician, General, Extra) will be offered at each testing session. **Sumner County Emergency Services Center, 255 Airport Road, Gallatin, TN 37066**

PRESIDENT'S MESSAGE

Well, May has left us hotter than normal. I hope that isn't a sign for the summer months ahead. We have been really blessed this month by missing the really bad weather that the rest of the country has had. I saw a post the other day on Facebook from the weather service. We have had seven tornados so far this year. We are just a little above your rain totals for this time of the year, unlike the Midwest. We have Field day just around the corner. We will make final plans this month at the meeting. Please try to make it so that we can get a good head count and figure out who is doing what. Long range forecast is for warm weather like normal. Look forward to seeing everyone at the meeting.

73's for now.

Bill W3UO



THE NEXT SCARA MEETING WILL BE: JUNE 13, 2019

WE WILL BE PUTTING TOGETHER FINAL PLANS FOR FIELD DAY

Internet Home Pages

SCARA: <http://www.scara.net/>
SCARA Facebook Page: <https://www.facebook.com/groups/166987860508865/>
Shout South: <http://shoutsouth.com/>
Sumner County ARES: <http://www.sumnerares.org/>
ARRL: <http://www.arrl.org/>
ARRL Facebook Page: <https://www.facebook.com/ARRL.org/>

If you have an article, classified ad, photos, or any other information you would like to have included in the *The Sky Wave*, then email it to the editor, Ken Helms, K9ZT, at K9ZT@COMCAST.NET. Please put "For SCARA Newsletter" in the subject line and submit it before the first of the month.

SUMNER COUNTY AMATEUR RADIO ASSOCIATION - MAY MEETING MINUTES

Members in Attendance: 32			
Title:		Meeting Minutes	
Location:		ESC - 255 Airport Road	
Date:		5/9/2019	
Start	End	Item	Contact
07:00:00 PM	07:01:00 PM	Meeting called to order by Club President	Bill W3UO
07:01:00 PM	07:03:00 PM	Group honored our Country by committing to the Pledge of Allegiance	Bill W3UO
07:03:00 PM	07:05:00 PM	Introductions all around	Group
		Treasurer's Report: Last report Acct Bal: \$2,844.47	Chuck KK4ODK
		Trustee's Report: Over next year, the county is changing repeater locations. Our Net might be down as buildings are replaced. Planning to put a repeater in for Smith County (146.805 -). Plan to work on the Smith County repeater. A new VHF repeater in Carthage.	Richard WA4YQC
		OLD BUSINESS: Bill W3OU opened the business meeting for officer status reports.	Bill W3UO
		Richard WA4YQC made a motion for the club to buy a new repeater controller as a spare at a cost of \$550. The motion was seconded and unanimously approved by the club.	Richard WA4YQC
		Field Day 2019 (22-23 Jun 2019) Presentation.	Steve K4SJS
		JD Powell (KN4QCJ) gave a great presentation on 3D printers and how the technology could be used to support Amateur Radio (custom parts for the shack, antennas, etc.).	JD KN4QCJ
		NEW BUSINESS: Field Day 2019 (22-23 Jun 2019)	Steve K4SJS
		Motion made, seconded, and passed unanimously, to fund Field Day meals for those staying for the event.	
		FoxHunt re-schedule to 18 May, 10:00am, Triple Creek Park, Gallatin	Jack K0BW
		Field Day 2019 (22-23 Jun 2019) Planning. Separate plan maintained by Steven K4SJS	Steve K4SJS
		Al KJ4KCQ gave a presentation about Public Speaking.	Al KJ4KCQ
8:54:00 PM		Meeting adjourned.	Bill W3UO
<i>Meeting minutes provided by Jim W3UG.</i>			



ARRL FIELD DAY IS JUNE 22-23, 2019

MARK YOUR CALENDAR

06/04/2019	7:30 PM	SCARES Net	If you would like to have an event listed in the club calendar then send me an email at ab9zd@arrl.net . The calendar is not limited to just club events but it should be something of interest to the members.
06/11/2019	7:30 PM	SCARES Net	
06/13/2019	7:00 PM	Monthly SCARA Meeting	
06/18/2019	7:30 PM	SCARES Net	
06/22-23/2019		ARRL Field Day	
06/25/2019	7:30 PM	SCARES Net	
07/02/2019	7:30 PM	SCARES Net	
07/09/2019	7:30 PM	SCARES Net	
07/11/2019	7:00 PM	Monthly SCARA Meeting	

MAY MEETING

A lot of planning goes into a successful ARRL Field Day. This year, Field Day will be the weekend of June 22-23. We got a good start on the planning at the May meeting and will continue to finalize things at the June meeting. We will be back at Lock 4 Park in Gallatin. Set up will be Saturday morning, pack up will be Sunday morning. Plan on coming out and joining in on the fun.

FIELD DAY N1MM SOFTWARE



If you are supplying a logging computer for Field Day, bring it to the next club meeting with the N1MM software already installed. We will set up log files to streamline the process for June 22.

https://n1mmwp.hamdocs.com/downloads/full-install/#elf_I1_Lw

Jonathan W4CGP



SCARES Fox HUNT

Here are some photo of the SCARES inaugural fox hunt held on May 18. The fox was hidden and found twice. For those of us who had never tried to find a fox before, it was an interesting and informative experience. The weather was beautiful and the park was clearly a popular place for a sunny Saturday morning. I think we can safely call this one a success.

Hang around for the June SCARES meeting and Jack K0BW will give us a more detailed rundown of the event and our plans for future fox hunts.





If you have something you would like to have listed in the classified section then please send an email to the newsletter editor at:
K9ZT@COMCAST.NET.

WE STILL HAVE CLUB PATCHES FOR \$5



The Radio Amateur Club of Knoxville
PROUDLY PRESENTS
The 53rd Annual Hamfest
At Kerbela Temple
315 Mimosa Ave, Knoxville

Saturday, June 15, 2019
8:30 am—3 pm



KNOXVILLE HAMFEST & Electronics Exposition



ARRL Affiliated Hamfest
Theme — Public Service

Inside - Dealers & Clubs

VE Radio Exams on site 12:30

Outside - Dealers & Tailgating

Breakfast & Lunch Concessions

Forums, Exhibits, Demonstrations Free Parking

Hourly Prizes + Grand Prize YAESU FT991



JUNE CONTESTS

[Click here to download the ARRL contest calendar for June.](#)

Here are just a few that you might be interested in:

Kentucky QSO Party

ARRL June VHF Contest

West Virginia QSO Party

ARRL Kids Day

ARRL Field Day

SPECIAL EVENTS STATIONS

www.arrl.org/special-event-stations

SCARA W4LKZ Repeaters

Freq/Offset	Input Tone	Location	Notes
146.880 (-)	114.8 PL	Music Mountain (5 miles North of Gallatin, TN)	Linked to Shout South
444.350 (+)	107.2 PL	Music Mountain (5 miles North of Gallatin, TN)	Linked to Shout South
444.000 (+)	107.2 PL	Center Point Road (Hendersonville, TN)	Linked to Shout South
145.390 (-)	114.8 PL	Mutton Hollow (Bethpage, TN)	Linked to Shout South
443.300 (+)	107.2 PL	Portland (Portland, TN)	<i>Not linked to Shout South</i>
443.400 (+)	107.2 PL	White House (White House, TN)	Linked to Shout South
146.805 (+)	114.8 PL	Mockingbird Hill (Gallatin, TN.)	Both analog and digital (stand alone DMR)
443.750 (+)	107.2 PL	Mutton Hollow (Bethpage, TN)	P25 Repeater System
442.5125 (+)	107.2 PL	Anderson Ln (Hendersonville, TN)	<i>Not on the Air</i>

Notes:

HAMS HELPING HAMS

SETTING UP A REPEATER IN SMITH COUNTY



MAY 2019 - 13 STRAIGHT DAYS OF TORNADOES

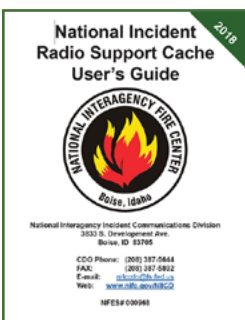
If it seemed like the evening news included tornado reports every evening for a couple of straight weeks in May, you aren't wrong. For 13 straight days in May, weather officials logged at least eight tornado reports per day across the U.S.

The streak reached 11 days on May 27, Monday night, when a flurry of tornadoes ripped through Indiana and Ohio, including an EF4 twister that struck Dayton, Ohio, causing significant damage to local communities including damage to the Hara Arena where Hamvention was held for many years. The next night, a destructive tornado, also an EF4, ripped through Linwood, Kansas.

On May 29, the U.S. had its 13th straight day with at least eight tornadoes, which broke the previous record of 11 days straight set in 1980. On the day when the record was broken, the U.S. had an average of 27.5 tornadoes per day during the outbreak. Only three days during this period did not see an EF3 tornado or stronger. An additional two tornadoes were also reported on May 30, after the streak officially ended. The final tornado total for the May outbreak was 271, with 48 strong tornadoes and 2 violent tornadoes.

The record for the most U.S. tornadoes in any given month is May 2015, at 414 tornadoes. Preliminary reports for all of May 2019, including tornadoes not included in this outbreak, list 505 tornadoes.

The May storms also included frequent heavy rainfall. This resulted in widespread flooding and flash flooding, which frequently interfered with emergency efforts relating to tornado damage. The new precipitation also extended existing flooding along the Mississippi River system to record durations.



How the Government Does It - We all know that the government has radios, lots and lots and lots of radios. (And some of us made a good living designing, building, and supporting radios for the government.) Another newsletter that I get mentioned the National Incident Radio Support Cache and had a link to the User's Guide. So, how would you manage the radio communications for something like a forest fire with a collection of equipment that includes things like 21,000+ hand held radios and go-kit repeaters? Follow the link below to see how our government does it. A bit of fair warning, some people with first hand experience in this area have noted that plans and reality don't always overlap as much as the authors of plan would hope. Still, if you are curious, be my guest:

<https://www.nifc.gov/NIICD/docs/2018%20NIRSC%20Users%20Guide%20Web.pdf>