



The Sky Wave

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

May 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**

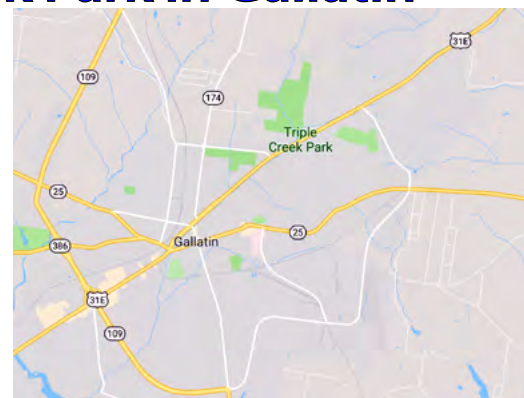
PRESIDENT'S MESSAGE

Well, April rains bring May flowers. We have definitely had our fair share this year. Don't know about anyone else but it sure has rearranged my plans for new antennas and helping others with their installs also. But we will get it done. Just won't be on the time line that we all wanted it to be. The weather is starting to warm up also. So those of you who plant gardens will be doing that soon. And don't forget the grass and trimming projects. The bands have been open, but you must fight to find the opening. Jack has May 4th planned for the fox hunt at Triple Creek park. The plan is to meet at 10:00 a.m. I know that this will be a fun event and look forward to seeing everyone there with their radios and antenna's. See everyone soon.

73's Bill W3UO



SCARES Fox Hunt Saturday, May 4 at 10 AM Triple Creek Park in Gallatin



This will, hopefully, be the first of many Fox Hunts. Sponsored by the Sumner County Amateur Radio Emergency Service. Hope to see everyone there. Come and join in the fun.

THE NEXT SCARA MEETING WILL BE: **MAY 9, 2019**

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 - APRIL MEETING MINUTES

Members in Attendance: 32			
Title:		Meeting Minutes	
Location:		ESC - 255 Airport Road	
Date:		4/11/2019	
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 -). 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
		OLD BUSINESS: Bill W3OU opened the business meeting for officer status reports.	Bill W3UO
		Question raised about date for the FoxHunt. Bill W3OU said we should have a date set by the next meeting.	Bill W3UO
		Mike K4TCE gave a presentation on available kits. A \$50 gift card to the winner of the "build a project" competition, due at 2019 Field Day for judging.	Mike K4TCE
		Bill W3OU presented our annual Storm Spotter Training. All in attendance will receive credit for the annual training requirement.	Bill W3UO
		NEW BUSINESS: Field Day 2019 (22-23 Jun 2019)	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
8:54:00 PM		Meeting adjourned.	Bill W3UO
Meeting minutes provided by Jim W3UG.			

MARK YOUR CALENDAR			
05/04/2019	10:00 AM	Fox Hunt at Triple Creek Park in Gallatin	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.
05/07/2019	7:30 PM	SCARES Net	
05/09/2019	7:00 PM	Monthly SCARA Meeting	
05/14/2019	7:30 PM	SCARES Net	
05/21/2019	7:30 PM	SCARES Net	
05/28/2019	7:30 PM	SCARES Net	
06/04/2019	7:30 PM	SCARES Net	
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	

APRIL MEETING

The April meeting included a presentation on ARRL Field Day planning by Steve K4SJS. Field Day is the fourth full weekend in June so it will be June 22 and 23. Set up will start early Saturday morning and pack up will be Sunday morning. More details to follow.

The meeting also included a presentation by JD KN4QCJ on 3D printing. He had his printer with him as part of the presentation. It is capable of printing both fun and practical objects and he had samples with him. One of the places on the web where there are plenty of 3D digital files available is:

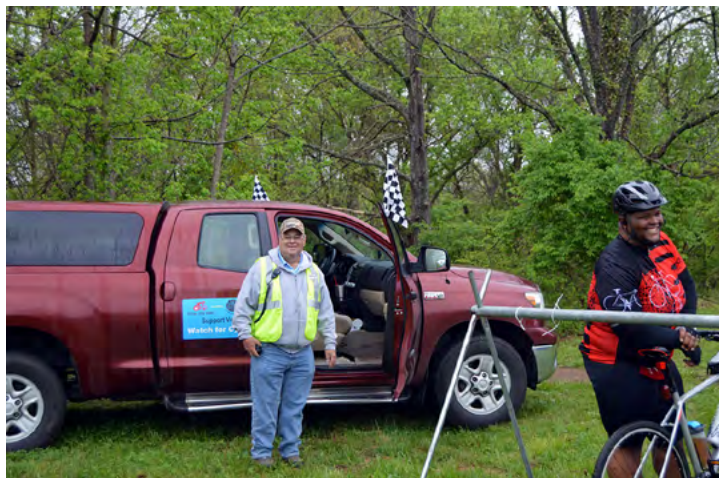
<https://www.thingiverse.com/>



PEDAL FOR PAWS 2019

Once again SCARA / SCARES provided communications support for the Sumner Spay Neuter Alliance's Pedal for Paws event. The weather may not have been the best with a couple of hours of drizzle as the riders started off at 8 AM, but the turn-out was good, both with the number of bicycle riders and with members help from our club. Coping with flat tires, broken bicycle chains, and lost riders is a great way to test our ability to support serious emergency situations like the aftermath of a tornado.

A big THANK YOU to all who helped!



Photos by Jim W3UG and Ken K9ZT. To see more photos of the Pedal For Paws event, check our Facebook page and our web page. <https://www.scara.net/2019-pedal-for-paws/>

"Every time I see an adult on a bicycle, I no longer despair for the future of the human race." H. G. Wells



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.

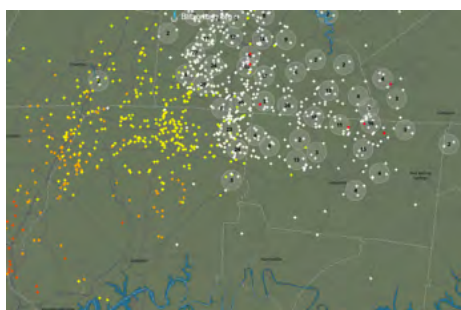
WE STILL HAVE CLUB PATCHES FOR \$5



Wonder where those lightning strikes are hitting? Check the real-time maps on:

http://en.blitzortung.org/live_lightning_maps.php

Click on "New Live Lightning Vector Map" at the top of the page and zoom in on the part of the map you want to see.



Clarksville Tailgate Party

May 18th
8 AM to 2 PM

Hilldale Baptist Church's pavillion
located at 250 Old Farmers Road,
Clarksville, TN

http://kf4l.org/calendar/Tailgate/Tailgate_Party.html

MAY CONTESTS

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

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

Indiana QSO Party
Delaware QSO Party
New England QSO Party
Arkansas QSO Party
4 States QRP Group Second Sunday Sprint



SPECIAL EVENTS STATIONS

To search the ARRL special events stations database, go to:

www.arrl.org/special-event-stations

Once again the **Indianapolis Motor Speedway Amateur Radio Club** will be setting up **special events stations** for the races at the Indianapolis Motor Speedway. The dates this year are:

May 5-11: The INDYCAR Grand Prix
May 20-26: Indianapolis 500
Sept 2-8: Brickyard 400

W9IMS will operate SSB on or near: 3.840, 7.245, 14.245, 18.140, 21.350, 28.340, 50.140 and 146.52 simplex FM. Watch for spots at sites such as DX Summit. They will also be operating FT8 on all possible bands to allow as many people as possible to log a contact. For all of the details including cards and certificates, go to:

<http://www.w9ims.org/>



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:

TORNADO OUTBREAK OF APRIL 6–8, 2006, A FIRST-HAND REPORT

As part of the SCARES meeting, Mike K4TCE recounted his experience with the F3 tornado that destroyed many residential homes in Sumner County on April 7, 2006. It entered Hendersonville from Goodlettsville at 1312 CST and struck Gallatin at 1325 CST. It destroyed 25 homes, plus 13 homes or businesses had major damage, and 31 more had moderate damage. Significant damage was done to the Metro Baptist Church with part of the roof blown off and front of the church blown away.

Here are a few of the photos from his presentation. For more information, check the National Weather Service's web page at:

<https://www.weather.gov/ohx/20060407>



THE FIRST THING TO KNOW ABOUT SOLDERING SAFETY



Do NOT HOLD THE SOLDERING IRON BY THE POINTY END

Spring is a great time of year to get outside and work on projects like repairing old antennas or installing new ones. It is also a good time for a safety refresher. The ARRL published a column in the June 2001 issue of QST with recommendations on how to keep safe while working on antennas. It can be found at:

<https://www.arrl.org/files/file/Technology/tis/info/pdf/0106091.pdf>

The primary hazards tend to be people falling, people injured by falling equipment, and electrical shock.

Take the time to review the work to be done to ensure that it can be done safely using the people and tools available. Don't forget the safety equipment.

Make sure that bystanders (especially children) are kept out of harm's way.

Power lines can kill. Keep a safe distance from electrical power. Do not locate antennas, metal ladders, or towers in a way that they could fall into power lines.

ANTENNA SAFETY

RF energy can be dangerous as well, especially long-term exposure. Keep this in mind when locating an antenna close to a residence. The greater the RF power, the higher the frequency, the greater the risk of over exposure.

One of the famous quotes from the Clint Eastwood movie "Magnum Force" is "A man's got to know his limitations." It's good advice. Don't be shy about asking for help if you need it.

Depending on the work to be done, local ordinances may need to be followed.

In the event that an injury occurs, be prepared with first aid support and a quick call to 911 if the situation warrants it.

The ARRL Handbook also includes safety information. Check it out.