



# The Sky Wave

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

March 2019  
Volume 2, Issue 3

## SCARA Officers

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### VE Testing

Bill Esquilla W3UO

## PRESIDENT'S MESSAGE

Well it has been a quick month. Mother nature has been a real bear this month. It was sure nice to see everyone down at Dalton, GA ham fest. We all had a great time. Missed the ones that could not make it this year. We have a very eventful meeting this month. We will be doing the Skywarn program. It is getting that time of the year. Weather service is talking about some questionable weather this weekend. Please try to stay abreast with the warnings and watches. Don't forget that if you ordered coax at the last meeting, I will have it for you at the meeting. Please bring your funds with you so we can get this paid for. Look forward to seeing everyone at the next meeting on the 14th.



73's for now.

Bill W3UO



More Photos  
of the  
February  
Meeting on  
Page 3

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**

**One last reminder to pay your club dues for 2019 if you haven't already.**

Anyone who hasn't paid their dues by the March meeting will be dropped from the membership roles.

**THE NEXT MEETING WILL BE:**

**MARCH 14, 2019**

The meeting will include SKYWARN Storm Spotter Training.

### 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, AB9ZD, at [AB9ZD@ARRL.NET](mailto:AB9ZD@ARRL.NET). Please put "For SCARA Newsletter" in the subject line and submit it before the first of the month.

# SUMNER COUNTY AMATEUR RADIO ASSOCIATION - FEBRUARY MEETING MINUTES

	<b>Title:</b>	Meeting Minutes	
	<b>Location:</b>	ESC - 255 Airport Road	
	<b>Date:</b>	2/16/2019	
<b>Start</b>	<b>End</b>	<b>Item</b>	<b>Contact</b>
11:15:00 AM		President Bill Esquilla called the meeting to order. Introductions were done. An old roster was passed around with instructions to insure the 2019 roster will reflect true information.	Bill W3UO
		<b>Treasurer's Report:</b> Sec/Tre Chuck Thacker reported the treasury balance of \$1,969.47 in the checking account.	Chuck KK4ODK
		<b>Trustee's Report:</b> Richard Pryor reported that no repeater work needed to be done as it is hamfest season. Richard then gave a very informative presentation on "Trunking Systems" and how they basicly work. There was discussion on how this works with radio systems both public service and ham radio. Richard also brought up that there is available some LMR 400 coax at a very low bulk price of about \$0.50 ft or lower. As everyone was happy to hear this and wanted some, a total of 2100 ft was spoken for so it was decided that Bill will order 2 rolls of 1000 ft and a 500 ft roll.	Richard WA4YQC
		VP Terry Wright suggested that the club consider sponsoring a contest for kit building. 50% of the construction must have soldering on it. It must be turned in by Field Day this June and a motion was made and approved that the winner will receive a club sponsored \$50 gift card from Ham Radio Outlet. Further talks were conducted about the number of sources for kits and Mike Quinn was volunteered to search out more information about the types, sources and costs for some simple kits.	Terry KM4MAX
12:15:00 PM		Meeting adjourned and commenced ARES Meeting.	Bill W3UO

*Meeting minutes provided by Chuck KK4ODK.*

## SUMNER EMS FREE CPR, AED, AND FIRST-AID CLASS

Sumner EMS will host a FREE Community CPR, AED, and First-Aid Class on Saturday, April 6th, from 8AM to 10AM, only 2 hours on a Saturday morning could help you save a life!

Sumner County EMS  
255 Airport Rd, Gallatin, Tennessee 37066

**Saturday, April 6, 2019**

**8:00 AM - 9:00 AM**

- Adult, Child, and Infant CPR / AED Training (includes choking training)

**9:00 AM - 10:00 AM**

- First-Aid, including Bleeding Control, recognizing stroke and heart attack, and treatment of other medical emergencies

<https://www.facebook.com/events/403038453825074/>

## SAINT PATRICK'S DAY AWARD - CELEBRATING ON THE AIR

### What Is It?

The St. Patrick Day Award is 48 hrs of fun non-competitive on air celebration of St. Patricks Day. As we say "Go Green for St. Patricks".

### Who Can Participate?

Anyone worldwide either licenced or as a SWL can take part it is a fun celebration

### How Do I Take Part?

You can register to be an official participating station for St. Patricks Day by completing a registration form online.

### Why Is It A 48hr Event?

As each timezone starts and ends the day at different times, the event runs for 48Hrs to give each area of the world a chance to make contacts.

### How Will People know where to find me?

Each year we post a St Patrick Day Award event page via Facebook, many people find it a help to post there frequency when on air

### How Do I Claim My Award?

To Claim any of our awards you simply complete the online form.

More info at: <https://stpatrickaward.webs.com/>



# RICHARD WA4YQC DISCUSSES TRUNKING RADIOS AT THE FEBRUARY MEETING

Richard WA4YQC prepared and presented an excellent introduction to trunking radios. The object of trunking is to allow many users to share a relatively few frequencies. A trunking system is controlled by a computer. Information (data) is exchanged between the system radios and the computer on a control channel, sometimes called a data channel. When a user pushes the talk button on his radio, data is sent to the computer. The computer chooses an unused frequency and sends that data to all the radios that are set to the talk group of the originating unit. This all happens in a fraction of a second and it happens every time a radio is used.

Trunking radio systems are a good solution for municipalities where many groups are able to share a limited number of frequencies. They not permitted for amateur radio use as the operator has no control of the frequency of his radio.

And here are a few more photos from the meeting.



## MARK YOUR CALENDAR

03/05/2019	7:30 PM	SCARES Net	<i>If you would like to have an event listed in the club calendar then send me an email at <a href="mailto:ab9zd@arrl.net">ab9zd@arrl.net</a>. The calendar is not limited to just club events but it should be something of interest to the members.</i>
03/12/2019	7:30 PM	SCARES Net	
03/14/2019	7:00 PM	Monthly SCARA Meeting	
03/19/2019	7:30 PM	SCARES Net	
03/26/2019	7:30 PM	SCARES Net	
04/02/2019	7:30 PM	SCARES Net	
04/06/2019	8:00 AM	Sumner EMS Free CPR, AED, and First-Aid Class	
04/09/2019	7:30 PM	SCARES Net	
04/11/2019	7:30 PM	Monthly SCARA Meeting	
04/13/2019		Pedal for Paws	



## MARCH CONTESTS

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

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

- |                                    |                             |
|------------------------------------|-----------------------------|
| ARRL International DX Contest, SSB | Oklahoma QSO Party          |
| Idaho QSO Party                    | North American Sprint, RTTY |
| Wisconsin QSO Party                | Louisiana QSO Party         |
| Virginia QSO Party                 | CLARA Chatter Party         |
| North American SSB Sprint Contest  |                             |

### SPECIAL EVENTS STATIONS

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

[www.arrl.org/special-event-stations](http://www.arrl.org/special-event-stations)

**QOTD AT 5, 8, 12, 15, 20, 25, AND 30 WPM**

Podcasts by AI4QR

Among the many tools available these days to help folks who want to practice copying Morse Code, there is the podcast by Steve Conklin, AI4QR. He puts out a new podcast each day of a *Quote Of The Day (QOTD)* in Morse Code. It's on iTunes and it's free so you can listen to it with any device that has an iTunes app.

To find his podcast, just open up iTunes and do a search on his call sign - AI4QR - then pick the speed you would like to practice.

## So Now What? - A NEW ARRL PODCAST FOR NOVICE HAMS

For those just getting started on their Amateur Radio journey, ARRL has launched a new podcast aimed at answering your questions, providing support and encouragement for newcomers to get the most out of the hobby. The podcast "So Now What?" launched on Thursday, March 7, and new episodes will be posted every other Thursday, alternating new-episode weeks with the "ARRL The Doctor is In" podcast.

Co-hosting "So Now What?" will be ARRL Communications Content Producer Michelle Patnode, W3MVP, and ARRL Station Manager Joe Carcia, NJ1Q.

**ARRL**  
**So Now What?**  
**Podcast**

Available on iTunes, Stitcher, & Blubrry

Sponsored by



[www.LDGElectronics.com](http://www.LDGElectronics.com)



## SUMNER COUNTY ARES NET - THE IMPORTANCE OF TRAINING

*When ARES members participate in a response to an emergency or disaster, they will be doing things they do not normally do. Often, they will need to make on-the-fly decisions, and those decisions are best made when they have adequate information available and are at least a little accustomed to being placed into that situation.*

*It is often said that you perform how you train. An operator asked to be net control in an incident will probably be nervous, forget things, and be quite inefficient if he or she has little or no experience. On the other hand, when an operator has been net control a hundred times, even in an emergency it becomes natural and he/ or she is less stressed and more efficient.*

*Training and skill improvement are key features of the Amateur Radio Service. Amateurs frequently enjoy training, especially when it is relevant. A well thought out program of training and exercises helps keep members interested and engaged.*

From the *The Amateur Radio Emergency Service Manual; Chapter 3: ARES Training*

Participation in the Sumner County ARES training net has been very good. It is held on Tuesday evenings at 7:30 PM local time using the Shout South repeaters. All amateur radio operators are invited to participate, and it isn't unusual to have participants who are not members of SCARA / SCARES.

Events like Pedal for Paws, the Hendersonville Freedom Fest, and the Veteran's Parade also provide an opportunity to practice a controlled net. The number of members participating in these events has also been very good.

However, we need more members who are experienced in running a net. While Steve K4SJS and Richard WA4YQC do an excellent job as our net controllers, emergencies are unpredictable. They may not be available to function as our net control in an actual emergency. That's why we need more members to practice functioning as the net control.

Controlled nets require structure. The script for the training net is available on the SCARA Facebook page. If you don't have access to Facebook then let us know and we can email a copy of the file to you. You can practice it in the comfort of your own ham shack before volunteering to do it for real.

Anyone who steps up to practice being the net control will have the full support of the net members.

### EC-001- INTRODUCTION TO EMERGENCY COMMUNICATION

The ARRL will be offering their EC-001 course on emergency communications this year.

[www.arrl.org/online-course-catalog](http://www.arrl.org/online-course-catalog)

This course is designed to provide basic knowledge and tools for any emergency communications volunteer. The course has 6 sections with 28 lesson topics. It includes required student activities, a 35-question final assessment and is expected to take approximately 45 hours to complete over a 9-week period. You will have access to the course platform at any time of day during this 9-week period so you may work according to your own schedule. You must pace yourself to be

sure you complete all the required material in the allotted time.

This is an online course hosted on the Canvas online learning platform, and is best accessed using the Chrome or Firefox browsers.

Before you begin the course you should have completed the following prerequisite courses from FEMA: ICS-100 (IS-100.b) and IS -700. These are free mini-courses you can take online at:

<http://training.fema.gov/IS/NIMS.asp>

The course dates listed on the ARRL web page for EC-001 are:



Monday, Apr 1 2019 - Friday, May 31 2019

Monday, June 3 2019 - Friday, Aug 2 2019

Monday, Aug 5 2019 - Friday, Oct 4 2019

Monday, Oct 7 2019 - Friday, Dec 6 2019

NOTE: **All of these ARRL courses are currently full.** Due to the high demand for this course, the ARRL is looking to add more courses in the near future. If you would like to be notified when new courses are added, please provide your contact information at:

[www.arrl.org/online-course-registration](http://www.arrl.org/online-course-registration)



If you have something you would like to have listed in the classified section then please send an email to the newsletter editor at:  
**AB9ZD@ARRL.NET**.

## MTARS TULLAHOMA HAMFEST SATURDAY MARCH 9th, 2019

**First United Methodist Church  
 208 West Lauderdale St  
 Tullahoma, Tn. 37388**

Admission: \$5 per person

Time: General admission is Saturday from 8 AM to 2 PM.

Forums: ARRL TN SEC/EC/ARES  
 Forum will begin at 10:30 – 10:45 PA  
 Announcement will be made

Talk-in: Primary 146.700 -600 offset,  
 PL Tone 114.8

Door Prizes - Must be present to win!

<https://www.qsl.net/mtars/>



SCARA members hanging out at the hamfest in Dalton, Georgia. (Photo uploaded to the club's Facebook page by Bill W3UO.)

## CLUB PATCHES ARE STILL AVAILABLE



**Memphis FreeFest®  
 Mid-South Amateur  
 Radio Association  
 Saturday April 13, 2019  
 9 am to 3 pm  
 Bartlett Station Municipal  
 Center (behind the library)  
 5868 Stage Road Bartlett, TN**

<https://sites.google.com/a/maraonline.org/mara-online/freefest>

### 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)	Linked to Shout South
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)	<b>Not on the Air</b>

Notes: