

#### The Aug 3rd Club Meeting Will Be Held In Person

7pm at the Paulding County Chamber of Commerce Lower Level, Back Parking Lot 455 Jimmy Campbell Pkwy (Hwy 278), Dallas



#### In This Issue

- The Usual Stuff
- Mark Your Calendar
- VE's Do It Again
- FT8 Digital Mode Club
- Common RF Connectors
- Resistor Review
- Just For Fun
- What Is EchoLink
- What Are Grid Squares
- Interesting Links
- Certificate Hunting
- wfview For Icom Radios
- SCARS Breakfast
- Special Events & contests
- Club VE Schedule
- Club Calendar

If you aren't comfortable being in the room, please join us on Zoom at <u>https://zoom.us/j/97552899499?pwd=Y0NiWjhrVG45dEpPUlppK0xicWlFdz09</u>.





### <u>Editor's Notes:</u>



*Newsletter Editor Wanted!* Copies of past SKYWAVE newsletters can be found at the club website <u>http://www.silvercometars.com/newsletter.php.</u> Please submit your articles prior to the 25<sup>th</sup> of the month to <u>K4CGA.GA@gmail.com</u>

Chuck DuVall, K4CGA – Editor

# <u> Monday – "SCARS Night Out" Net!</u>



Please join us on the 146.955 (- 77Hz) repeater at 7:00pm and on Zoom. Check the SCARS Groups.IO calendar for meeting and Zoom link information.

It's fun and informative. Suggestions for Topics of Discussion are always solicited. You don't have to dress up and you can bring your dinner because it's very informal and Troy K4JDA does a great job as the moderator.

### <u>SCARS Media:</u>

Web: <u>http://www.silvercometars.com/index.php</u> Groups.IO: <u>https://silvercometars.groups.io/g/main</u> Facebook: <u>https://en-gb.facebook.com/groups/2360561620926754/</u> QRZ: <u>https://www.qrz.com/db/W4RSC/</u> Info: <u>Info@silvercometars.com</u> or <u>Silvercometars@gmail.com</u>

Send SCARS website corrections, comments, or suggestions to Troy (K4JDA) at <u>troy.davis@hotmail.com</u>

### SCARS Community Food Drive!

*Helping Hands,* our local community Food Bank in Dallas, needs your help! Please bring any non-perishable items to our next meeting. We will deliver it to them the following day.



Your donations will be greatly appreciated by the recipients and you will feel better. PLEASE HELP! It all adds up.

### <u>Mark your Calendar!</u>

Aug. 3<sup>rd</sup> – SCARS Club Meeting Aug. 14<sup>th</sup> – GA ARES Convention – Forsyth GA Aug. 21<sup>st</sup> & 22<sup>nd</sup> - Huntsville Hamfest Sep. 3<sup>rd</sup> thru 5<sup>th</sup> – Shelby NC Hamfest Sep. 6<sup>th</sup> - Labor Day Sep. 9<sup>th</sup> – Prater's Mill Swapfest – Dalton GA Sep. 24<sup>th</sup> & 25<sup>th</sup> - W4DXCC Conference Sep. ??? - Club Fall Family Picnic (maybe) Oct. 01 - 30 – SCARS AM Band DX Contest (maybe) Nov. 6<sup>th</sup> & 7<sup>th</sup> – Stone Mountain Hamfest



### SCARS Volunteer Examiners (VE's) Do It Again!.

"Although I do praise the VE's that helped me with the FCC testing quite a bit, but this last month, Stan Whitfield (K4SHW); James Akey (KM4IKO); and Cheri Reynolds (K4TXA) all, really did "**STEPPED UP TO THE PLATE**". We had a fellow ham that does the FCC testing for another Club that after he had had a stroke, was unable to do the VE testing. A few telephone calls later and these three VE's answer that call for help and tested 5 Candidates. This is what we hams do... help each other."

On June 28<sup>th</sup> our Testing VE's tested Mr. Harland S. Moody KO4RSB, email <u>smoody@pitoenixair.com</u>. This gentleman did state an interest in joining our Club.

On July 13<sup>th</sup> our Testing VE's tested the two following Candidates:

Scott P. Bailey (KO4EAC) passed his General Class. He currently is a Member of the Silver Comet ARS.

Larry S. Williamson <u>lwilliamson44@att.net</u> passed his Technician Class test. This gentleman also voiced an interest in joining our Club.

I would like to have a public **THANK YOU** made to the VE's of SCARS... namely Stan Whitfield (K4SHW); James Akey (KM4IKO); and Cheri Reynolds (K4TXA). Without these WONDERFUL volunteers, none of this would be possible.

John Reynolds - W4TXA

# <u>FT8 Digital Mode Club</u>



Like working FT8? It seems like many of us hams do. It is a quick and easy way to Work All States (WAS), Work All Zones (WAZ), Work All Continents (WAC) and build up your contacts log. Many contests have now approved FT8 as a digital mode for points scoring.

If you are into working FT8 and enjoy certificate collecting, you may want to consider joining the FT8 Digital Modes Club and put

those thousands of FT8 contacts to use. They have many nice awards and certificates available to wallpaper your shack with. Give them a look! <u>https://ft8dmc.eu/anniversary/</u>

# <u>Common RF Connectors for Ham Radio!</u>

Type	Stan	dard	<b>Reverse Polarity</b>		
Туре	male	female	<b>RP</b> male	<b>RP</b> female	
SMA	Threads inside	Threads outside	Threads inside	Threads outside	
	Pin in the middle	Hole in the middle	Hole in the middle	Pin in the middle	
-	Diameter: about 6mm	Diameter: about 5mm	Diameter: about 6mm	Diameter: about 5mm	
TNC	Threads inside	Threads outside	Threads inside	Threads outside	
	Pin in the middle Diameter: about 12mm	Hole in the middle Diameter: about 10mm	Hole in the middle Diameter: about 12mm	Pin in the middle Diameter: about 10mm	
N	Threads inside Pin in the middle Diameter: about 17mm	Threads outside Hole in the middle Diameter: about 14mm	Х	Х	
UHF	PL-259 Threads inside Pin in the middle Diameter: about 17mm	SO-239 Threads outside Hole in the middle Diameter: about 14mm	x	Х	

*For more information on these and other connector terms, visit:* RF Connectors and what they're for: AD#35 <u>https://www.youtube.com/watch?v=ol36eqfEtlw</u>

#### <u> Resistor Review – For Newbies And Oldies Alike</u>

	Color	Sign	ficant fig	ures	Multiply	Tolerance	Temp. Coeff.	Fail Rate
						(%)	(ppm/K)	(%)
Bad	black	0	0	0	× 1		250 (U)	
Beer	brown	1	1	1	× 10	1 (F)	100 (S)	1
Rots	red	2	2	2	x 100	2 (G)	50 (R)	0.1
Our	orange	3	3	3	x 1K		15 (P)	0.01
Young	yellow	4	4	4	× 10K		25 (Q)	0.001
Guts	green	5	5	5	x 100K	0.5 (D)	20 (Z)	
But	blue	6	6	6	x 1M	0.25 (C)	10 (Z)	
Vodka	violet	7	7	7	x 10M	0.1 (B)	5 (M)	
Goes	grey	8	8	8	× 100M	0.05 (A)	1(K)	
Well	white	9	9	9	x 1G			
Get	gold			3th digit	x 0.1	5 (J)		
Some	silver			only for 5 and 6	× 0.01	10 (K)		
Now!	none			bands		20 (M)		
6 band 5 band 4 band 3 band				3.21kΩ 1% 50ppm/K 521Ω 1% 82kΩ 5% 330Ω 20%				
gap between band 3 and 4 indicates reading direction								

www.resistorguide.com

# Well, here are a few classic phrases collected by Steve K4ELI to help you remember the color code without looking at the above chart.

- Black Beetles Running On Your Grass Bring Victory Garden Weeds with Green Stamps....
- Because Boys Run Over Your Garden, Be Violent, Get Western Shot Guns (The last two stand for Silver and Gold, the 10% and 5% tolerance bands)
- > Betty Brown runs over your garden but Violet Gray walks
- > Black Beetles Running On Your Grass Bring Very Good Weather
- > B. B. ROY Goes to Bombay Via Gate Way
- > Better Build Roof Over Your Garage Before Van Gets Wet
- > Better Buy Resistors Or Your Grid (or Gate today) Bias Voltages Go West
- > Better Be Right Or Your Great Big Venture Goes West.

#### **Resistor Review** (continued)

- > Big Bird Runs On Your Garden But Vegetables Grow Wonderfully
- > By Becoming Revolutionary Orators, Young Girls Become Very Great Women
- > Bad Beer Rots Our Young Guts But Vodka Goes Well
- > Bad Booze Rots Our Young Guts But Very Good Whiskey Goes Smooth

Optionally, you can add the tolerance bands (Gold, Silver, None): (for) Gold (or) Silver (or) Nothing with Green Stamps

Not great, but P.C. at least, is this semi-memorable phrase via the U. of Minn. Society for Women Engineers:

- > By Becoming Revolutionary Orators, Young Girls Become Very Great Women
- > Bad Booze Rots Our Young Guts But Very Good Whiskey Goes Smooth

Contributed by Steve - K4ELI

#### K4TXA Receives Award for 2021 Field Day

Did you attend the SCARS 2021 Field Day Event? If you did, you probably noticed that Cheri K4TXA arranged for our attendees to be well fed. They say the Army runs on its stomach, well so do our Field Day events. Thank you Cheri for a "Job well done"!



Cheri (K4TXA) receiving certificate from Steve (K4ELI)

# <u>What is EchoLink?</u>



Why have or use EchoLink? Car hit your power pole? Tree limb fall on you antenna? Maybe you are out of town and Just want to check into the local net or talk to someone in your home town.

Wa-La! With your cell phone and through the magic of the internet, you

can do that!

**EchoLink** is a computer-based Amateur Radio system distributed free of charge that allows radio amateurs to communicate with other amateur radio operators using Voice over IP (VoIP) technology on the Internet for at least part of the path between them. It was designed by Jonathan Taylor, call sign K1RFD and has become a very popular mode of communications.

The system allows reliable worldwide connections to be made between radio amateurs, greatly enhancing Amateur Radio's communications capabilities. In essence it is the same as other VoIP applications (such as Skype), but with the unique addition of the ability to link to an amateur radio station's transceiver.

Thus any low-power handheld amateur radio transceiver which can contact a local EchoLink node (a node is an active EchoLink station with a transceiver attached) can then use the Internet connection of that station to send its transmission via VoIP to any other active EchoLink node, worldwide. No special hardware or software is required to relay a transmission via an EchoLink node.

Before using the system, it is necessary for a prospective user's call sign to be validated. The EchoLink system requires that each new user provide positive proof of license and identity before his or her call sign is added to the list of validated users. There is no cost for this service, and it ensures that this system is used only by licensed amateur radio operators.

 EchoLink FAQs
 www.echolink.org/faq.htm

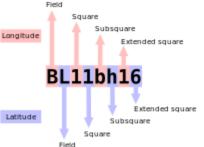
 Take a Tour
 www.echolink.org/tour.htm

 User's Guide - Introducing EchoLink
 www.echolink.org/downloads/EchoLinkUsersGuide.pdf

#### **Grid Squares - What are they?**

The *Maidenhead Locator System* is a method of using grid squares to precisely communicate your position from anywhere on earth.

A Grid Square measures  $1^{\circ}$  latitude by  $2^{\circ}$  longitude which is equivalent to approximately  $70 \times 100$  miles. A Grid Square is indicated by two letters and two numbers, as in **EM73**.



Each Grid Square contains a sub-square which is defined

by adding two letters after the grid square, EM73**ox**. Sub-squares measure 2.5 minutes latitude by 5 minutes longitude, roughly corresponding to 3 × 4 miles.

Grid Square Mapper - <u>http://wg7j.reinalda.net/gridmapper/gridmapper.php</u>

#### Interesting Links

ARRL Clubs - SILVER COMET AMATEUR RADIO SOCIETY, INC. http://www.arrl.org/Groups/view/silver-comet-amateur-radio-society-inc

Silver Comet ARS YouTube Channel https://www.youtube.com/channel/UCaL7UG0gkRJxV7InTj\_P3IQ/videos

Silver Comet ARS Website http://www.silvercometars.com/index.php

Silver Comet ARS – ARRL Clubs http://www.arrl.org/Groups/view/silver-comet-amateur-radio-society-inc/type:club

Silvercometars@groups.io|HOME https://groups.io/g/silvercometars

Decoding Digital RF transmissions from across the spectrum <a href="http://www.kd0cq.com/2013/07/sorcerer-decoder-download/">http://www.kd0cq.com/2013/07/sorcerer-decoder-download/</a>

#### **Certificate Hunting For New Hams!**

Have you priced paint and wallpaper recently? Thank you Covid-19! Is your shack looking a little bare?

Well, do some certificate hunting. There are some beautiful certificates out there for just about everything related to ham radio and then some. They make great conversation starters and show how much fun you are having with ham radio. Here are some ideas of what to look for:

- Work the 3 INDY 500 Motor Speedway special event stations
- Work 15 warships on CW
- Work the Original 13 Colonies
- Work All 50 States
- Soin a Special Operating Mode group (FT8, CW, Olivia, Satellite)
- Participate in a Rookie Roundup

Join in the fun! When you run out of room on your walls, start a notebook.



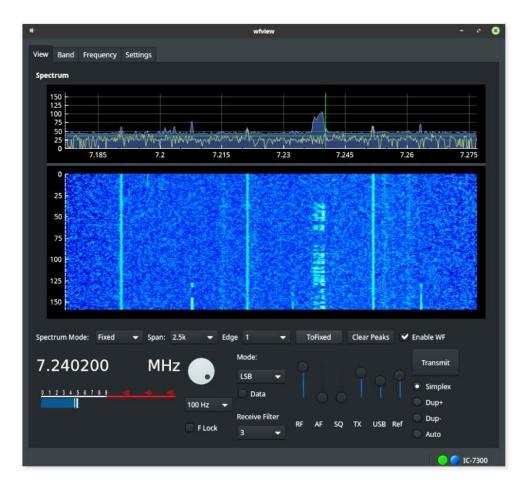




#### wfview Open Source Interface For Icom Radios

**wfview** is a program that allows many modern Icom ham radio transceivers (such as the IC-7300, IC-9700, IC-7610, IC-R8600, the IC-705, and many others) to be controlled via a computer.

**wfview** shows the gorgeous spectrum display on whatever display is connected, including projectors, touch screens, and TVs. **wfview** allows for full radio control from a computer keyboard and basic control from a numeric keypad.



**wfview** can run on hardware ranging from the \$35 Raspberry Pi to laptops to desktops. **wfview** is designed for the Linux operating system but could probably run with minimal modifications on other platforms. **wfview** supports rig control over ethernet/wifi as well as over the traditional USB serial CIV bus.

For more information: https://wfview.org/about/

#### <u>Breakfast @.....</u>



Come join us for casual conversation, informal Q&A, problem solving and occasional humiliation at the McDonalds in Hiram (in front of WalMart) near the intersection of Hwy 92 & Hwy 278.

It has a variety of food, is reasonably quick, has decent prices, and is convenient to the majority of the club members.

Visitors, spouses and friends are welcomed.



#### **Come Join Us!**

Thursday Mornings We Gather Around 8:30 +/-Until ?????

### **Upcoming Special Events**

Please look for K4ELI's weekly email notices regarding contest and special events on the SCARS Group.io reflector or visit the ARRL website at:

http://www.arrl.org/special\_events/search/page:2/Date.start:2016-09-14/Date.end:2016-12-31/model:Event

#### **Contest & Special Events**

anuary 2021	February 2021		
1 <u>Straight Key Night</u>	8-12 School Club Roundup		
2 <u>Kids Day</u>	20-21 International DX – CW		
2-3 <u>RTTY Roundup</u>			
16-18 January VHF			
March 2021	April 2021		
6-7 <u>International DX– Phone</u>	18 <u>Rookie Roundup – Phone</u>		
une 2021	July 2021		
12-14 <u>June VHF</u>	10-11 IARU HF World Championship		
19 <u>Kids Day</u>			
26-27 <u>Field Day</u>			
August 2021	September 2021		
7-8 <u>222 MHz and Up Distance Contest</u>	11-13 September VHF		
21-22 <u>10 GHz &amp; Up – Round 1</u>	18-19 <u>10 GHz &amp; Up - Round 2</u>		
22 <u>Rookie Roundup – RTTY</u>			
October 2021	November 2021		
18-22 <u>School Club Roundup</u>	6-8 <u>Nov. Sweepstakes – CW</u>		
23-24 <u>EME – 2.3 GHz &amp; Up</u>	20-22 <u>Nov. Sweepstakes – Phone</u>		
	20-21 <u>EME - 50 to 1296 MHz</u>		
December 2021			
3-5 <u>160 Meter</u>			
11-12 <u>10 Meter</u>			
19 <u>Rookie Roundup–CW</u>	Check your emails		
	for additional		
	contest and special		
	event activities		

#### Additional Contest Calendars

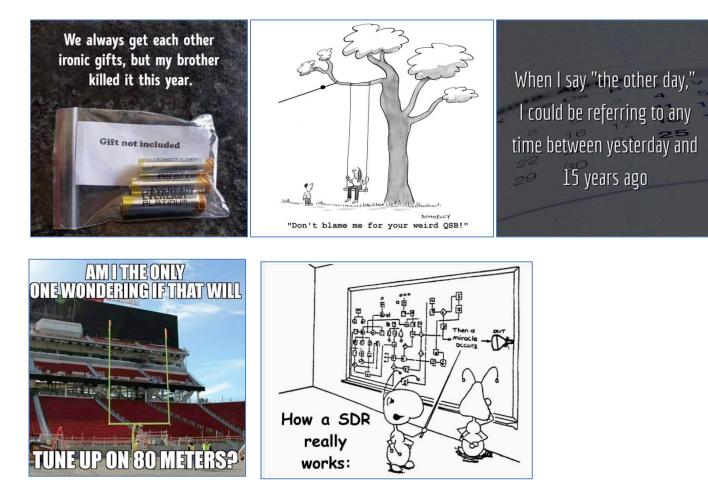
<u>http://www.contestcalendar.com//index.html</u> <u>http://www.cq-amateur-radio.com/cq\_contests/cq\_annual\_contest\_calendar/cq\_annual\_contest\_calendar.html</u> http://ncjwecom/

#### SCARS Amateur Radio Licensing Schedule.



Silver Comet Amateur Radio Society 2021 Calendar ** Don't forget our club breakfast every Thursday morning around 8:30am **							
Meeting 1st Tuesday Date/Time:	01-05-2021 7pm	02-02-2021 7pm	03-02-2021 7pm	04-06-2021 7pm	05-04-2021 7pm	06-01-2021 7pm	
Meeting Location	"On The Air" 146.955– 77Hz & "Zoom"	"On The Air" 146.955– 77Hz & "Zoom"	"On The Air" 146.955– 77Hz & "Zoom"	"On The Air" 146.955– 77Hz & "Zoom"	Paulding Chamber Of Commerce	Paulding Chamber Of Commerce	
Meeting Activity	Contest Station (K3UR) Owner DX Engr.	Toroids & Baluns (N4XL)	Which Ant. Is Best (K4ELI)	Weather (K4DMF)	Last Man Standing WB4QDX	Field Day Prep (FD Team)	
Additional Activities	TBD	TBD	TBD	GA QSOP	TBD	Field Day	
Hamfest & Conventions	TBD Lawrenceville TechFest	TBD Dalton, GA Orlando, FL (HamCation)	TBD Birmingham Ellijay, GA	TBD Mobile, AL Calhoun, GA	TBD Dayton, OH	TBD Atlanta, GA	
<i>Silver Comet Amateur Radio Society</i> 2021 Calendar							
	** Don't forget	our club breakf	ast every Thurso	lay morning aro	und 8:30am **		
Meeting 1st Tuesday Date/Time:	July 07-06-2021 7:30pm	August 08-03-2021 7pm	September 09-07-2021 7pm	October 10-05-2021 7pm	November 11-02-2021 7pm	December 12-07-2021 7pm	
Meeting Location	Paulding Chamber Of Commerce	Paulding Chamber Of Commerce	Paulding Chamber Of Commerce	Paulding Chamber Of Commerce	Paulding Chamber Of Commerce	Paulding Chamber Of Commerce	
Meeting Activity	Baluns or Propagation (K4ELI)	POTA, SOTA, ISS	GRITS Ride / AM DX Contest (K4DMF/K4CGA)	Spark Gap Xmiter (N4GG)	Power Supplies (K4ELI)	SO2R Advanced (SMW)	
Additional Activities	TBD	TBD	TBD	TBD	Club Elections	Christmas Party TBD	
Hamfest & Conventions	TBD	TBD	TBD	TBD	TBD	TBD	
	·	is "Subject to ch					

### <u>Just for Fun!</u>



#### **This Space Unintentionally Left Blank**



#### SILVER COMET AMATEUR RADIO SOCIETY, INC.

CONTACT US:

Groups.io Request: <u>SilvercometARS@groups.io</u>

> Repeater: 146.955 (-) (77hz)

Contact: Club President Dan Ozment, W4DTO

Email: dan@ozment.net

SILVERCOMET ARS, INC. PO BOX 1873 HIRAM, GEORGIA 30141