



Ham Radio
in the 21st Century



Science
Technology
Implementation
We Do That!
...with Amateur
Radio





W4RSC "RADIO SILVER COMET"
ARRL SPECIAL SERVICE CLUB

SILVERCOMET SKYWAVE

Silver Comet ARS, INC NEWS
PO BOX 1873 Hiram Ga. 30141 501 (C) (3) Not for Profit
March 2020 Vol 7 Number 3



John Reynolds W4TXA

The Prez Sez:

Here we are in the March of our year and hopefully most of the rainfall is behind us. March... the month we set aside for "spring cleaning". Of the many items of spring cleaning that we think of like washing windows and sweeping out the 'shack' is okay... but we need to think about the outside also. Check all of our coax connections. The antennas. The tower bases. The grounding systems. The guy systems and rotators. All of these do take a beating during the winter months. Some of these systems checks can be augmented with a NEW toy... a drone. And you know... We always need new toys. March is a great time to get the shack in order before the Georgia QSO Party starts. Other activities in March to be considered is the Birmingham Hamfest... March 6th; and the Cave City, Kentucky Hamfest on March 7th. So much to do and so little time.

John Reynolds - W4TXA

President - The Silver Comet Amateur Radio Society

In This Issue

- The Usual Stuff
- **Food Drive !!!**
- Recap: Towers
- Preview: 6 Meters
- Meet your President
- How far can I talk?
- How's your audio
- Limited space antenna
- Coming Soon!
- Dalton Hamfest
- VP8PJ DX-pedition
- WIN4IcomSuite
- Ham Radio on the Rocks
- What is a Raspberry Pi
- Interesting Links
- Miscellaneous Info
- Weekly Breakfast Info
- VE Schedules
- Contest Stuff
- Activity Calendar

W4RSC "Radio Silver Comet"

The Silver Comet ARS Inc. a 501 (c) (3) Not for Profit Organization



Editor's Notes:



Copies of past SKYWAVE newsletters can be found at the club website <http://www.silvercometars.com/newsletter.php> . Please submit your member bios and articles prior to the 25th of the month.

Chuck K4CGA, Editor

Monday – “SCARS Night Out” Net!

Check-in begins at 7:30PM. It's fun and informative. On the 1st Monday of each month, a new technical subject will be introduced for discussion. Suggestions for Topics of discussion are always solicited. You don't have to dress up, it's very informal.

SCARS Community Food Drive!



The *Silvercomet ARS* is an **ARRL Special Service Club** award winner and one of only 3 in Georgia. Our food drives are one of the activities that helped us earn this award.

Last year we were very successful and our donations to *Paulding County Helping Hands Food Bank* provided many county residents with some good meals. However, *our food collections have not started out too well this year.*

Let's make 2020 another great year and feed more folks. Please bring an item or two to our monthly meetings. It all adds up. **Your donations are greatly appreciated by the recipients and you will feel better. PLEASE HELP !**

\$\$\$\$...Dues-R-Due...\$\$\$\$

You are a paid member, frog or CB'er by now. To those of you who have paid, thank you. If you have not done so, you can pay our treasurer Dave K4DMF by check, cash or credit card at the meetings or at breakfast or use our Pay-Pal online access at the SCARS website, www.silvercometars.com.

Mark your Calendar!



Mar. 6th - 7th - Birmingham AL Hamfest
Mar. 7th - Cave City KY Hamfest
Mar. 13th - 14th Charlotte NC Hamfest
Mar. 28th - Ft. Payne AL Tailgate/Hamfest
Apr. 25th - Calhoun GA Hamfest
May. 14th - Dayton Hamfest
Jun. 6th - Atlanta Hamfest

For more Hamfest schedules:

<http://www.mcminnarc.com/festcalendar.html>

<http://www.arrl.org/hamfests.html>

http://www.cq-amateur-radio.com/cq_hamfest_events.html

February Recap: Antenna & Tower Loading!



Club member *Corey Wilks KN4ULL*, a Structural Engineer and certified tower climber gave a great presentation on the structural aspects of Antenna & Tower Loading for amateur use.

If you missed this interesting and informative presentation, you can watch it on YouTube on the Silvercomet ARS channel:

<https://www.youtube.com/watch?v=Brdng7cvyKg>

March Preview: 6 Meter Operation!



Thomas "Mike" Greenway, K4PI will give a presentation on 6 meter antennas and operation. Mike has been licensed since 1957 and as a member and past officer of the Southeastern DX Club, he is an avid DX chaser and DX-peditioner and 6 meter enthusiast.

Please take a look at <https://www.qrz.com/db/K4PI> and see his exciting station.

Meet Your President!

Auto-biography of W4TXA, John Reynolds



"I will not start out as Charles Dickens stated; according to my Sister, I was not born, but was hatched. My first introduction to electricity (and then electronics) was when I was about five years old. I had a fascination with taking 'things' apart... namely, electrical outlets. Since I grew up in a 100 year farmhouse, when it was electrified, all of the outlets were placed in the floor. This made it easy for me to reach them. And, since I was only five, I did not have far to go for my butt to hit the floor. I didn't know that there was an off switch to these outlets. In time, a very short time, my Father had moved all of the outlets 6 feet up on the walls - I was foiled. I mention this, because it was this period of my life that I think I became fearless.

When I was about 8 years old, my Uncle Paul (W9SKE) now a SK, gave me a crystal set kit to play with. After putting it together and playing with it, I found that I could pick up radio station WOWO (a 50 KW station about 8 miles from my house). When my Uncle asked me about the reception, I told him about receiving WOWO but no others. Uncle Paul then asked me how long my antenna was and I asked him "what's an antenna?" At 8 years old, I was given my 1st talk about the "facts of life"... **you need an antenna**. Well for my 9th birthday, my Uncle gave me a Zenith (I still have it) AM / SW radio (along with a 100 foot long wire antenna)... I could hear the world! **THE BUG HAD BITTEN ME**. By the time I was 10, I was reading the ARRL's Handbook (circa 1955) cover to cover.

One of my favorite things was to listen to CKLW (out of Windsor, Ontario). There was a radio show called "The Goon Show" and it was on at 11:00 PM. Now mind you that at age 10, this was **WAY** past my bedtime. So I was in constant trouble with my Mother. My Mother made me move my radio from my bedroom to the basement with the rest of my radio 'stuff'. Not to be outwitted, I would pre-tune the Zenith to 800 KHz (which is CKLW) and ran the wire up through the walls to my bedroom to turn the power on and a line for my headphones. Why my Mother decided to do laundry that night, I'll never know. There she stood, in the basement, when my trusty Zenith turned on all by itself... Upstairs she went, and I was busted... **AGAIN**.

When I was 11 years old, and in October of 1958, my Uncle took me out of school (back then you didn't need any notes) and drove me from Fort Wayne to Indianapolis to take my Amateur Radio Test. Everybody that took the F.C.C. exams back in that era can relate. You sat there in front of a man (with the required FCC black suit and frown). Well after just squeaking past my 13 wpm; he asked me if I wanted to try for the General License instead of a Technician... so I said "oh why the hell not" This did **NOT** impress the "man in black". But, I passed. I think that he was a little impressed with my age and the fact that I was not in fear (remember the ending of the first paragraph). A lot of the FCC Examiners would not tell you whether or not if you passed... he actually told me that I passed. It was about a month and a half before I got my ticket through the mail: W9TXA... **MY MOTHER HAD NO IDEA WHAT WAS COMING DOWN THE ROAD**.

Growing up on a small farm, we had 10 acres of meadow land to the South which was spotted with apple trees. I say that because it was the lower frequencies that were the easiest to operate on. Back in the 50's almost everything was home brew. Trying to build anything above 10 meters was extremely difficult. So I stayed down on 80 and 160 meters. I found that a long wire rhombic just

Meet Your President! *(continued)*

Auto-biography of W4TXA, John Reynolds

worked wonders. BUT... there were a few apple trees that were in the way. My poor Mother thought that the trees were just old and dying. I never had the heart to tell her that I was helping the process along. Some of these apple trees gave their all for my 160 rhombic. Now you older Hams will remember that back in the 50's, neoprene had not been invented yet, so a lot of the multi-conductor Telephone Company cable were lead-based sheathed. I found these lead sheathed cables to make excellent antennas. Again, my Mother was not impressed when she would catch me up on a 25 foot telephone pole (at age 12) hooking up to these cables as antennas. I never understood why she watched me so closely. Mother walks into my bedroom and before she can turn the lights on, she sees a wire going from one chassis to another (draped across the ceiling) with a blue glow around it. She called my Uncle Paul again... and I got another talking to about the "facts of life". What is the proper type of wire for high voltage circuits, and not to use zip cord. My Mother also told me that she was no longer to go into my bedroom and that I would have to keep it clean myself. That was fine with me.

I do remember about Christmas of 1959. My Mother asked me what I would like to have as my one major Christmas present. Without batting an eye, I said about a pair of 811 tubes (as I building a new transmitter). Again, my Mother called my Uncle Paul and I heard her say... "They cost how much". I also remember my older Sister telling me on Christmas morning that Mom and Dad loved her more than me because she got more presents than me. I never had the heart to tell her that my two 811 tubes cost more than all of her presents combined.

Even though at age 14 I was into music a lot, I still loved to play with the radio equipment. I was very fortunate to have as Elmer's, not only my Uncle, but I had two close neighbors that were Hams. A neighbor just to the West of us was a WW II Navy Vet and he would let me in his shack from time to time. Now this particular neighbor didn't like kids very much, but he tolerated me. There was one afternoon that I was in his shack and I made the mistake of asking him what a particular piece of equipment was. I should not have. I **REALLY** should not have. I was about 14 and Mr. Teschanann was probably 70 at the time. So with a crooked smile on his face, he fired up this Spark Gap Generator Transmitter. Now I can admit (for the first time in my life), when that contraption fired up, I took a step back (now remember the end of the first paragraph where I said that I was fearless). I repeat... I stepped back and nearly wet myself. Now living on a farm I had seen steam tractors, thrashing machines and some machines that I didn't even know what they were... but I had never seen (or heard) anything like that Spark Gap Transmitter.

By the time I was 15 I started to drive. I read, and re-read the Mobil Section of the Handbook and decided to try my hand at installing a 6 & 10 meter rig in my 1958 Chevy. My main problem was the power supply. I was running a M.G. set in the trunk with an extra generator on the engine. Trouble was, every time I hit the transmit button, my engine would drop 500 to 800 RPM. I tried to talk my Dad into letting me put a bigger engine in my car - but he wouldn't buy it. By the time I could afford the car (with a bigger engine) of my choice... Solid State was here. And with that, sadly, the tube era was marked for extinction. - **John Reynolds, W4TXA**

How Far Can I Talk?



This is one of the most asked questions by potential radio amateurs and by newly licensed amateurs looking into equipment purchases. The answer to this question is more theoretical than realistic.

Unfortunately, there is not a quick, simple or easy answer. There are many factors that apply in determining the range of a signal such as:

Frequency Band: VLF, LF, HF, VHF, UHF, and above

Signal type: Digital, Analog, Data, Voice, Video, SSB, FM, AM,

Signal Power: Output power, Effective Radiated Power(ERP), SWR

Antenna: Design, height, gain, directivity, polarization, fixed, portable

Urban or Rural: Building height & density, soil composition, hills, mountains, water

Transmitter/Receiver: Fixed, mobile, portable, handheld

Weather: Clear, storms, clouds, snow, rain, leaves

Atmospheric Conditions: Solar flares, atmospheric layers, propagation

Time of Day: Night, Day, GrayLine

Are we confused now? Generally speaking, a few factors will help you come close to solving this riddle of “how far can I talk”. For instance, generally speaking the higher the antenna, over a flat terrain with no buildings, at night with perfect weather and great atmospheric conditions will yield the best range. Again, estimated range will be determined by the frequency of the band used, signal type, power and physical transmitter/receiver.

The internet provides plenty of reference material to assist you in your pursuit of how far you can talk. Happy researching.

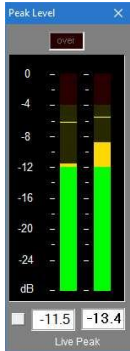
<http://www.arrl.org/files/file/Technology/tis/info/pdf/8501031.pdf>

<https://hamradioschool.com/how-far-can-i-talk-with-my-radio/>

<http://www.hamuniverse.com/k4msghowfar2meters.html>

<https://newhams.info/2017/02/09/how-far-can-i-communicate/>

How's Your Audio?



Like to play with audio settings on your ham radio, computer or maybe your stereo?

Here is a nifty site you may like to visit. Shows all kinds of meters you can download and tweak your system with.

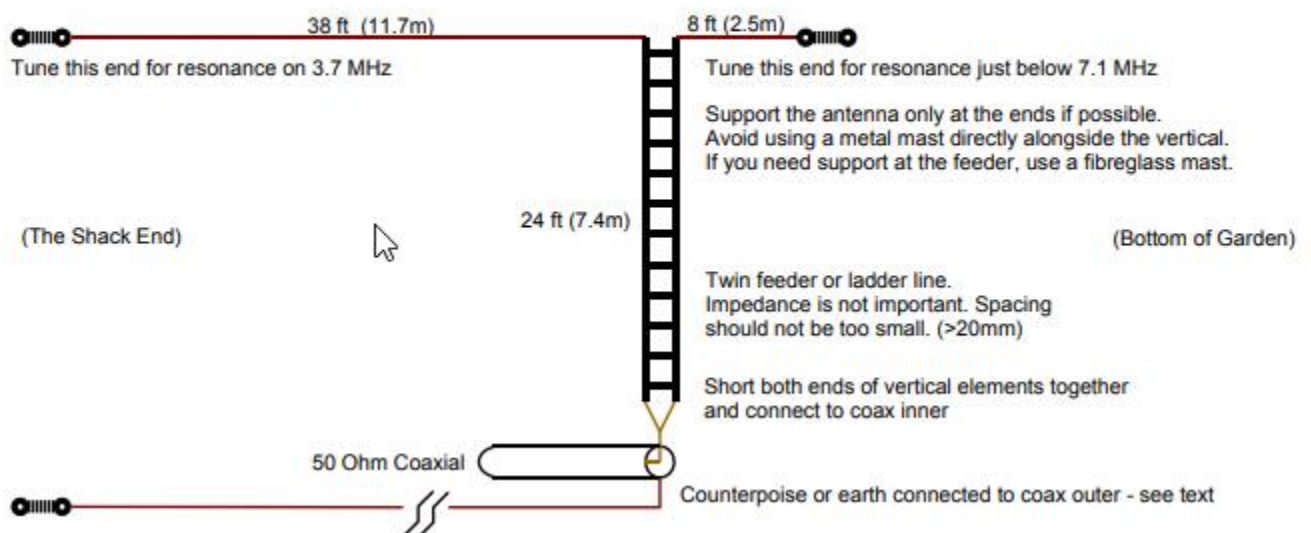
<https://www.darkwooddesigns.co.uk/pc2/meters.html>

G7FEK Limited Space Antenna

A 46 foot multi-band antenna (@~50 ohm) for 80m / 40m / 30m / 17m / 15m / 12m and other bands (see text): 20m / 10m.

This design is very easy and cheap to build and unlike many limited space antennas, it works very well on 80 meters, a band that many Radio Amateurs with restricted space have previously been denied.

The Basic G7FEK Antenna



For more information on this antenna: <http://www.g7fek.co.uk/software/G7FEK%20antenna.pdf>

Dalton Hamfest 2020!

A little chilly, but lots of fun. The **Silvercomet ARS** was well represented at the hamfest this year. Thanks to *Steve K4ELI* securing a primo table location in the brick building, members had a great gathering spot. *Chuck K4CGA* had Rick K4ZMW's (SK) estate equipment for sale, some of which was bought by club members. *James KM4IKO* sold his HF rig and Steve managed to almost empty both his tables. Congrats Steve.



K4ELI, K4JDA & K4CUB
Sharon (reading book)



K4ELI & K4FUZ



K4CGA manning the table



K4ELI & WB4FVM



N4FWD, K4JDA & son Jamie
& K4SHW



NA4JW, KM4IKO &
K4LDC



WB4BRA, K4ELI & WB4ISM



K4CGA, KM4IKO,
K4SHW & K4LDC



KN4KKO & KM4IKO



KM4VTE & K0CZR



K4SHW, K4LDC & K4ELI

MARCH

Coming Soon!

There is a “*Skill Building Day*” being considered for the near future. Sharpen your technical skills, learn new skills and have fun doing it. Details to be announced!

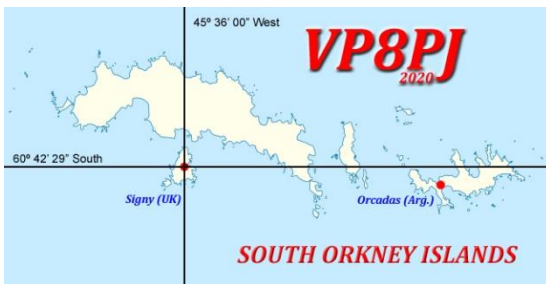
“ARRL 2020 Field Day”! Don’t forget the 3 “F” words! *Fun – Food – Fellowship*. Throw in a few visitors, radios, antennas, and a generator and you will have a blast working the world for 24 hours. Remember to reserve the last full weekend in June for FD!

The “*Coronavirus*”! No Kidding! According to the CDC it is inevitable. Please take care and prepare. Keep an eye on your family, especially your children.

The “*2020 Elections*”! Do your research; do your duty....VOTE.

The “*Silvercomet ARS Family Night Dinner*”! Held in May, date/time TBA.

VP8PJ South Orkney DX-pedition 2020



The *Perseverance DX Group*, a team of experienced DXpedition operators have activated the South Orkney Islands (IOTA AN-008) and plan to operate through March 5, 2020. South Orkney Islands is currently #16 most wanted on Clublog.

The team will be QRV from Signy Island on 10-160 meters, SSB, CW, RTTY and FT8. Located at 60 degrees south / 45 degrees west, temperatures are expected to hover around freezing most of the time, with constantly changing conditions of wind, rain, snow and occasional sunshine.

For more information: <https://sorkney.com/> or <https://dx-world.net/vp8pj-south-orkney-islands-dxpedition/>



Win4IcomSuite



Win4IcomSuite is a comprehensive network capable application for the IC-7100, IC-7300, IC-7600, IC-7610, IC-7700, IC-7800, IC-7850/51 and IC-9700.

A unique feature is the ability to share the radio's USB or Network connection with up to 6 programs simultaneously such as WSJT-X, N1MM+, FIDigi and various hardware products. Win4IcomSuite also includes a HRD Logbook server. In addition, it supports the built in spectrum scopes of the radio as well as the IQ out of the IC-7610 and the SDRPlay RSP devices. There is a fully functional 30 day trial.

https://www.youtube.com/results?search_query=win4icomsuite

Is Ham Radio On The Rocks?

Well in this case....**YES!** Adventurous club member *Troy Davis, K4JDA* decided to brave the cold and possible rain to operate SOTA (Summits-On-The-Air) from on top of Pine Mountain at Lake Allatoona in Bartow County. Unfortunately, the band conditions were not the best and the rain won. On the bright side, Troy did manage to work some VHF contacts and had fun climbing the mountain. He says he would do it again, maybe.



Raspberry Pi – What is it?



What is a Raspberry Pi and what can it be used for?

The Raspberry Pi is a series of small single-board computers developed in the United Kingdom by the Raspberry Pi Foundation to promote teaching of basic computer science in schools and in developing countries. - [Wikipedia](#)

The Raspberry Pi hardware has evolved through several versions that feature variations in memory capacity and peripheral-device support.

Several generations of Raspberry Pi have been released. All models feature a *Broadcom system on a chip* (SoC) with an integrated ARM-compatible *central processing unit* (CPU) and *on-chip graphics processing unit* (GPU).

All SoCs used in Raspberry Pis are custom-developed under collaboration of Broadcom and Raspberry Pi Foundation.

RAM capacity is dependent on generation and model of the Pi.

The *Top Ten* uses of a Raspberry Pi in the world of Ham Radio are:

Decoding Data Modes
Remote Software Defined Radio (SDR)
WSPR Transmitter
Amateur Satellite Tracking
Digital Voice (DV) Hotspot

APRS Internet Gateway
ADS-B Flight Tracker
Rotator Controller
Retro Gaming Machine
Media Center

For more information:

<https://www.raspberrypi.org/help/what-%20is-a-raspberry-pi/>

https://en.wikipedia.org/wiki/Raspberry_Pi

<https://www.cnet.com/how-to/25-fun-things-to-do-with-a-raspberry-pi/>

<https://www.ubuntupit.com/best-raspberry-pi-os-available/>



Interesting Links to visit!

Splice Wire to NASA Standards

<https://qrznow.com/how-to-splice-wire-to-nasa-standards/>

IC-7100 Improved Audio

https://youtu.be/kZLsbM2z_ZA

2020 Version of Andy's Hamshack Linux

<https://sourceforge.net/projects/kb1oiq-andysham/>

ARISS Amateur Radio Schedule

<https://www.amsat-on.be/ariss-calendar-with-scheduled-contacts-by-the-ariss-operation-team/>

Interesting Story NIST WWV/WWVH

<https://www.kunc.org/post/how-little-known-radio-station-fort-collins-might-one-day-save-world#stream/0>

Nice System Antenna Grounding

<https://qrznow.com/extensive-ground-system-at-n6gr/>

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/UCaL7UG0gkRJxV7lnTj_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>



Antenna Farm?

Live in an apartment or condo?
This may be your solution.



Miscellaneous Info



From the Maritime Radio Facebook page

1922: Miss Eleanor Steele of Schenectady, N.Y was an operator on Guglielmo Marconi's own radio aboard his yacht Elettra / IBDK while cruising down the Hudson to Albany, New York.

Breakfast @.....

Have you joined us for casual conversation, informal Q&A, problem solving and occasional humiliation?

We meet at the McDonalds  in Hiram (in front of WalMart).

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

Members of other clubs, visitors, spouses and friends are welcomed.

Come Join Us!

**Thursday Mornings
We Gather Around 8:30 +/-
Until the last one leaves!**



Recent SCARS Website Updates:



<http://www.silvercometars.com/index.php>

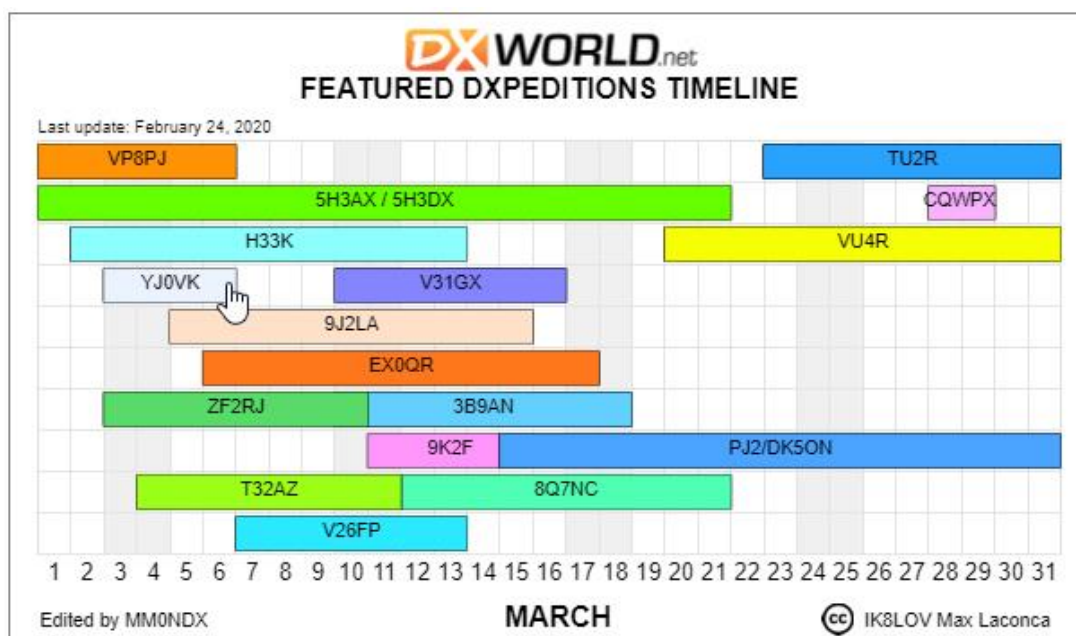
- NO UPDATES THIS MONTH

Send SCARS website corrections, comments, or suggestions to K4LDC (Larry) at K4LDC@arrl.net

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

2020 ARRL Contest Dates

January 2020 1 <u>Straight Key Night</u> 4 <u>Kids Day</u> 4-5 <u>RTTY Roundup</u> 18-20 <u>January VHF</u>	February 2020 10-14 <u>School Club Roundup</u> 15-16 <u>International DX – CW</u>
March 2020 7-8 <u>International DX- Phone</u>	April 2020 19 <u>Rookie Roundup – Phone</u>
June 2020 13-15 <u>June VHF</u> 20 <u>Kids Day</u> 27-28 <u>Field Day</u>	July 2020 11-12 <u>IARU HF World Championship</u>
August 2020 1-2 <u>222 MHz and Up Distance Contest</u> 15-16 <u>10 GHz & Up – Round 1</u> 16 <u>Rookie Roundup – RTTY</u>	September 2020 12-14 <u>September VHF</u> 19-20 <u>10 GHz & Up - Round 2</u> 12-13 <u>EME - 2.3 GHz & Up</u>
October 2020 19-23 <u>School Club Roundup</u> 10-11 <u>EME - 50 to 1296 MHz</u> -	November 2020 7-9 <u>Nov. Sweepstakes – CW</u> 21-23 <u>Nov. Sweepstakes – Phone</u> 28-29 <u>EME - 50 to 1296 MHz</u>
December 2020 4-6 <u>160 Meter</u> 12-13 <u>10 Meter</u> 20 <u>Rookie Roundup-CW</u>	<div> <p>Check your emails for additional contest and special event activities</p> </div>

Additional Contest Calendars

<http://www.contestcalendar.com//index.html>

http://www.cq-amateur-radio.com/cq_contests/cq_annual_contest_calendar/cq_annual_contest_calendar.html

<http://ncjwecom/>

SCARS V.E. ACTIVITIES

SCARS/BHBC Test Session (aka East)

K4ELI and the VE Team will be testing at 7pm at Burnt Hickory Baptist Church, 5145 Due West Road, Powder Springs, on the following dates:

2020 Schedule

Mar 5 Apr 2 May 7 Jun 4
Jul 9 Aug 6 Sep 3 Oct 1 Nov 5 Dec 3

Please check the ARRL website for changes or corrections.

For more information, contact Steve Walls, K4ELI: swalls46@att.net

All classes of license exams will be available.

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SCARS/Paulding CoC Test Session (aka West)

W4TXA and the VE Team will be testing at 6:30pm at the Paulding County Chamber of Commerce, 455 Jimmy Campbell Pkwy (Hwy 278), Dallas, on the following dates:

2020 Schedule

Mar 10 Apr 14 May 12 Jun 09
Jul 14 Aug 11 Sep 08 Oct 13 Nov 10 Dec 08

For more information, contact John Reynolds, W4TXA: w4txa.john@gmail.com

All classes of license exams will be available.

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BRING:

- Original and copy of existing license.
- Copy of FRN # if you have a GMRS license or some other license.
- \$15 cash----exact change
- Photo ID

See the following web sites for more details:

SCARS http://www.silvercometars.com/about.php#TEST_SESSION

ARRL <http://www.arrl.org/licensing-education-training>



Silver Comet Amateur Radio Society

2020 Calendar

** Don't forget our club breakfast every Thursday morning around 8:30am **

	<i>January</i>	<i>February</i>	<i>March</i>	<i>April</i>	<i>May</i>	<i>June</i>
Meeting 1st Tuesday Date/Time:	01-07-2020 7pm	02-04-2020 7pm	03-03-2020 7pm	04-07-2020 7pm	05-05-2020 7pm	06-02-2020 7pm
Meeting Location	Paulding Chamber of Commerce Bldg	Paulding Chamber of Commerce Bldg	Paulding Chamber of Commerce Bldg	Paulding Chamber of Commerce Bldg	Paulding Chamber of Commerce Bldg	Paulding Chamber of Commerce Bldg
Meeting Activity	Ham Radio Estate Planning (Steve K4ELI)	Ham Tower Engineering (Corey – KN4ULL)	6m Operation & Antennas (Mike – K4PI)	Weather (Dave – K4DMF)	Spark Gap Transmitter (Hal – N4GG)	Field Day Prep Field Day Team
Additional Activities	TBA	TBA	TBA	GA QSOP	Family Night Dinner	Field Day
Hamfest & Conventions	Lawrenceville TechFest	Dalton, GA Orlando, FL (HamCation)	Birmingham, AL Ellijay, GA	Mobile, AL Calhoun, GA	Dayton, OH	Atlanta, GA

This calendar is "Subject to change". Submit change request to K4ELI Steve

V2020.02

The Alien on page 1 is Robert KN4RTJ

Silver Comet Amateur Radio Society

2020 Calendar

** Don't forget our club breakfast every Thursday morning around 8:30am **

	<i>July</i>	<i>August</i>	<i>September</i>	<i>October</i>	<i>November</i>	<i>December</i>
Meeting 1st Tuesday Date/Time:	07-07-2020 7pm	08-04-2020 7pm	09-01-2020 7pm	10-06-2020 7pm	11-03-2020 7pm	12-01-2020 7pm
Meeting Location	Paulding Chamber of Commerce Bldg	Paulding Chamber of Commerce Bldg	Paulding Chamber of Commerce Bldg	Paulding Chamber of Commerce Bldg	Paulding Chamber of Commerce Bldg	Paulding Chamber of Commerce Bldg
Meeting Activity	VE Recognition Night	"Last Man Standing" TV (John – WD4QDX)	Grits Bike Ride	TBA	PWR Supplies Dummy Loads Testing	TBA
Additional Activities	TBD	TBD	Club Fall Picnic (TBD)	AM DX Contest	Club Elections SCARS OTA Reunion	Christmas Dinner
Hamfest & Conventions	Cullman, AL	Huntsville, AL	SEDEC DX	La Grange, GA Chattanooga, TN Rome, GA	Lawrenceville GA Montgomery, AL	

This calendar is "Subject to change". Submit change request to K4ELI Steve

V2020.02

W4RSC

Paulding County, GA - EM73 - ITU Zone: 8

Silver Comet Amateur Radio Society, Inc.

PO Box 1873

Hiram, GA 30141

www.silvercometars.com





STATION	Confirming QSO				Pse QSL <input type="checkbox"/> Tnx QSL <input type="checkbox"/>		
	DAY	MONTH	YEAR	UTC	MHz	RST	MODE

SILVER COMET AMATEUR
RADIO SOCIETY, INC.

CONTACT US:

Groups.io Request:
SilvercometARS
www.silvercometars.com
146.955 (-) (77hz)

Contact: *Club President*
John Reynolds, W4TXA

Email:
w4txa.john@gmail.com

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HIRAM, GEORGIA 30141