



Ham Radio
in the 21st Century



Science
Technology
Experimentation
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

July 2020 Vol 7 Number 7

The July 7th Club Meeting Will Be Held On-The-Air & Zoom!



Join July's club meeting on the 146.955 (- 77Hz) repeater at 7pm. A Zoom video meeting will be held simultaneously. Check your email and Groups.IO for additional information.

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The Silver Comet ARS Board of Director have cancelled this month's physical gathering at the Chamber building but are planning to resumed normal meetings in August depending on the Governors orders.

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!



COVID-19 has resulted in an unusually high demand for food products from our local Metro food banks. If you can afford to do so, please consider making a monetary or food contribution to the food bank of your choice since we have temporarily suspended our physical gatherings.

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

Mark your Calendar!



Check For Event Cancellations Due To COVID-19

July 4th – Independence Day

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

SCARS Board of Directors Report

Board of Directors:

Larry K4LDC, Steve K4ELI, Cheri K4TXA, James KM4IKO, Chuck K4CGA

Date/Time: 16 June 2020, 8:15pm

Attendees:

Steve K4ELI
Larry K4LDC
Cheri K4TXA

James KM4IKO
Chuck K4CGA
John W4TXA (President)

Board of Directors meeting agenda:

Open Issues

WITHDRAWN: Consider creating a Go-Fund-Me account on the internet to solicit donations to help fund the SCARS Special Service Club community involvement. Chuck K4CGA to investigate further.

New Issues

APPROVED: Consider the recommendations from the Covid-19 Committee for resuming meetings and testing sessions.

APPROVED: John W4TXA will resume testing on July 14 assuming the Chamber has dropped the \$50 cleaning fee or there are enough candidates to fund it. He will follow the current [on July 14th] guidelines from the Governor on how to safely conduct the session. All participants must wear masks.

APPROVED: Our normal meeting schedule will restart with the August meeting and the currently scheduled "Last Man Standing Radio Station" program.

APPROVED: Consider the purchase of Video Conference Software for the club use. Decision made to buy a one year license for Zoom Video Software. Dave K4DMF to purchase.

SCARS Board of Directors Report (continued)

APPROVED: Assuming Video Software purchase, establish a method of control, including but not limited to:

- managing the calendar
- managing the password access and login info
- monitoring the email address used to establish the conference connection.

Dan W4DTO, Dave K4DMF, James KM4IKO, and Troy K4JDA will work thru the setup process and put a structure and controls in place.

Dave K4DMF will be the Administrator—Owner

James KM4IKO and Troy K4JDA will be the day-to-day operators and keepers of the calendar. Contact James and Troy to put an event on the Zoom Calendar.

Meeting Adjourned----- 9:09 PM

SARCNET – What is it?



SARCNET is the School Amateur Radio Club Network - an affiliation of like-minded schools in Australia who have set up ham radio clubs throughout their country.

School amateur radio clubs are a great way to get students interested in Science, Technology, Engineering and Mathematics (STEM) and keep the hobby of ham radio alive in the future.

Their web site provides a great resource for SARCNET members and those interested in setting up a similar program. Anyone can join SARCNET, receive free information and contribute to this site. Check them out. It is really interesting.

For more information: <https://sarcnet.org/default.html>

Thanks to Lee WB4QOJ

Field Day 2020



Did we have a good time or what? Band conditions were outstanding with lots of participants and look at the power levels and antennas we had available. We had air conditioning, shelter from the rain, coffee and food whenever we wanted, and the bathrooms were nearby. Even our pets could keep us company during the long hours. What more could you want or ask for? Something was missing.

Oh yes, I remember now what is missing! The comradery of getting together in a city park and putting up make shift antennas, stringing lights and power cords, then messing with and listening to a generator for 24 plus hours. Let me think, oh yeah, I don't want to forget about the cold coffee, fast food, rain and wind, dropping temperatures and then having to walk a couple hundred yards uphill in the dark to use the restroom. Sounds like we missed out on a lot of fun this year, doesn't it?

Silver Comet A R S Contest Report Total Score = 3,411

Current status: 07/01 13:49 UTC

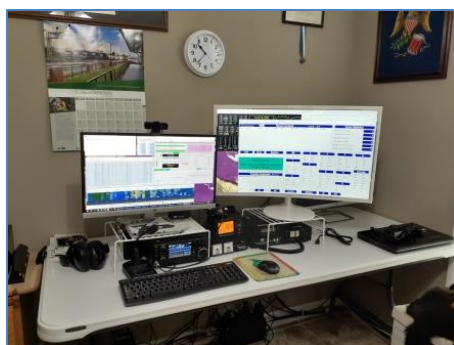
Call	Score	QSOs
N4MNV	678	339
K4BBH	559	559
K4SHW	533	283
KM4IKO	358	179
K4VTE	352	200
K4ELI	239	131
K4LDC	191	104
K4CGA	180	114
KM4EOG	120	120
WB3ILX	102	100
WB4QOJ	61	31
KN4CQJ	22	22
W4DTO	16	16

Preliminary scoring as reported by the SCARS contest complier on 07/01 is reflective of only those scores reported by the N3FJP contest software of those stations that logged onto the complier.

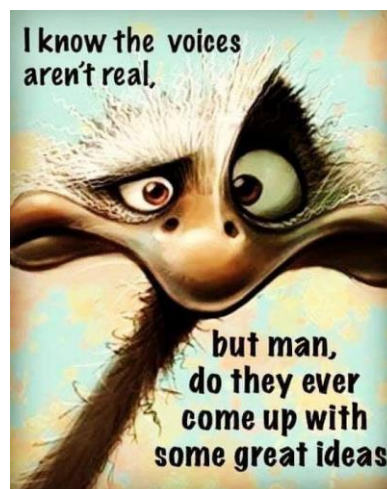
These scores do not reflect points created by additional multipliers that may apply such as transmitter power, emergency power, early log submittal or online log submittals.

These additional points are calculated upon log submission and totals point will appear on the ARRL website:

<http://field-day.arrl.org/>

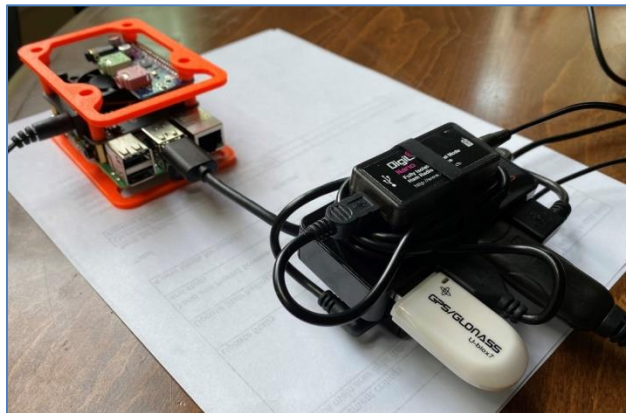


James KM4IKO FD-1D setup



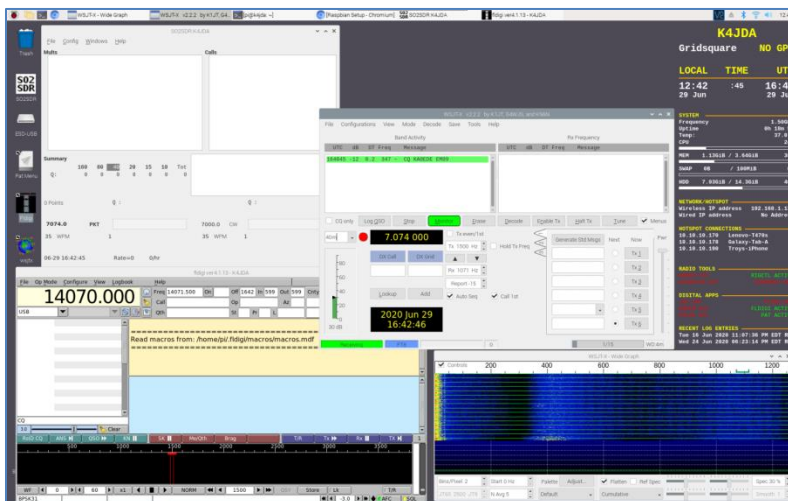
A Rainy Field Day - Troy Davis K4JDA

I had the best of intentions ... I was going to run QRP (5W) on battery and use a Raspberry Pi as my only computer for field day, using VNC from an android tablet.



Pi with the "hydra" USB hub – GPS, rig USB serial, Winkeyer, and sound card all plugged in ...

I had the Pi set up with a field day logging program (unfortunately N3FJP does not run on the Pi), Fldigi, WSJT-X, JS8Call, and had tested it with my rig and the WKmini USB CW keyer – it all worked beautifully at home on battery. The weather was looking great – maybe a brief shower, but nothing bad, and it was going to be low 80's, cloudy, and a 5-10 breeze to keep the mosquitos away. Perfect!



Pi Screenshot – Obviously can't run all of this stuff at once, but it can run most anything ...

Robert KN4RTJ and I set up in a picnic pavilion knowing that they shut the park at 10pm, but figured that was about as long as our batteries would last anyway. We had a great spot, got our antennas up and our rigs set up in plenty of time. I figured with 5W, I was going to mainly stick with digital (FT8 mainly) and CW.

A Rainy Field Day by Troy Davis K4JDA

That's when the first problem hit me. The Pi has no battery for an internal clock, so I had a GPS dongle on it to provide precise time for logging and FT8/JS8Call. Unfortunately, the picnic pavilion we were in had a metal roof – no GPS signal. I tried carrying the Pi/battery out in the open to get a signal to at least get started, but no luck.

So, I thought I'd connect to my phone hotspot and let the Pi get the time from the internet, but I could not get it to connect to my Phone. I thought I'd turn off the Pi's Wi-Fi broadcast to see if that would let it connect to my phone. Unfortunately, as it was mid-boot, I realized I then had no way to connect to the Pi at all, as the only access I had was through Wi-Fi!

OK, dump the Pi, pull out the laptop, which I knew would work. But I hadn't loaded all of the latest software ... you can see where this is going. By the time I had finished playing around with the Pi and loading my laptop, it was about 3:30pm.

I was actually getting pretty good luck for a few minutes on FT8 (3 contacts pretty quick), when the storms rolled in. Unplug the antenna ... Robert and I were in a 24x36 ft pavilion, and we pretty much moved to the geometric center of it and were still getting wet. Fortunately we had tarps/plastic to cover our equipment, but it was just a mess.



The view from our chosen location – wet ...

I picked up my HT and plugged the Arrow Yagi in and called CQ and was able to make one contact on it.

After sitting around watching it rain and looking at the radar, we decided to pull the plug. I came home disappointed and dejected, with a bunch of wet stuff, and four whole contacts. Sunday morning came and I woke up late, just in time to watch Church (how odd would that have sounded a few months ago?), and by the time I got some lunch, I figured it was too late to go back over and set up for more fun. So that was it.

I started pondering the whole experience and decided to try to make something positive out of it.

A Rainy Field Day by Troy Davis K4JDA

Here are some of the things I learned in the whole experience:

Raspberry Pi:

The Pi is fully capable of being an Amateur Radio workstation. It has logging software, both general and contesting, FT8, FLDigi, JS8Call, packet (PAT Winlink), and other SW. It supports GPS for time, Winkeyer, and Rig Control for just about any rig, and it is really low power.

On the other hand, you must have a way to power the Pi, either 5V 3A or 12V 1.25A, and have a screen, keyboard, and mouse (or touchscreen) ... and connect it all – a pile of stuff. Which basically means you are creating a laptop. Theoretically, if you can power the Pi, you can do everything from your phone by remoting in, which would be a really lightweight solution, but the screen size and on-screen keyboard would make this far from ideal and I would only try this if I were hiking a long way and worried about ounces.

While the Pi does have good logging and other software, it does not run N3FJP, HRD, N1MM+, Log4OM, or most other windows only software due to its ARM processor. Intel/AMD chip powered PCs can sometimes run Windows SW on Linux through “Wine”, but not the Pi.

I think the Pi is awesome, is very fun to play with, and I highly recommend you get one just to learn (KM4ACK's YouTube videos are great), but I would not use it again for field operations unless I wanted to run digital on a long hike (for PH or CW, I'd use paper). It might also be nice to build into a go box.

Plan B:

I was only semi-prepared for failure with the Pi. I brought my laptop, but it was not ready and configured.

Batteries/Power:

My BioEnno batteries are awesome, but I didn't recognize all of the connectors I needed – Anderson PP, 2.1mm Barrel, USB A, USB C, and (for the laptop) 120V through an inverter. Luckily I was able to cobble all of that together, but it was just pure luck. I should have tested all of the gear together with the Pi AND the Laptop before packing up and heading out.

Wolfwave:

Just a plug for this little device – I love it. As good as the filtering on my rig is, the Wolfwave is better and it does a great job on decoding CW (yes, I cheat).

Antenna:

I used my 9:1 end-fed “random wire” antenna, which was great. I used my new throw system for the tree end, which got me about 20-25 feet up, which is pretty good. My mast – not so great. It's way too bendy for a horizontal deployment and I lost a lot of height that way. I either need to move to a vertical (tough when you are operating with someone else that's using a vertical) or get a stiffer mast (no jokes, please). However, I had no problem making FT8 contacts using 5 watts, which I was pretty pleased by.

A Rainy Field Day by Troy Davis K4JDA

Weather:

This was the largest lesson to (re)learn – never trust the forecast, especially in summer T-storm season. Always assume worse than forecasted.

The forecast Saturday morning indicated low 80s, 5-8 mph breeze, and maybe a shower mid-afternoon. What we experienced was far different. If we had known, we might have just operated from home.

Overall, while I only had 35 QSO points, I had 250 bonus points for a total of 285. Not too bad, but much less than I expected. But much more learned than the score indicates. Here's to next field day.



HOA Buster; Disguised Antenna.



Looking for a Stealth Antenna that will really fake out the HOA. Check out this website for some examples, like the Weather Vane antenna, or a Purple Martin Birdhouse antenna. If that doesn't work for you, try the Deck Umbrella antenna, or maybe a Badminton Net antenna.



This site has lots of ideas for visible and invisible antenna design and construction.

http://www.antentop.org/021html/021_p23.htm

Congrats to Troy - K4JDA



After the May 30 ARC drill, photos were sent in on the behalf of Cobb ARES to the Georgia organizers to represent the best elements of the drill. Troy Davis' photo of his deployment in the shade close to his designated ARC shelter was chosen as one of the top 5.

Congratulations Troy! Job well done.

Comments from Troy:

Took me 22min from park to on the air! I'd love to practice this again, maybe with Winlink and HF modes (we used FLdigi PSK for IC-213 over VHF transmission in this one).

- Lenovo T470s 8GB RAM, 256GB SSD
- Windows 10 pro with latest updates
- Latest FLdigi and FLmsg
- No rig control
- HB9ZHK Digilink sound card: <https://www.hb9zhk.ch/>
- With supplied 6pin mini DIN adapter
- Yaesu FT-8800 (interfaced through back panel 6 pin mini DIN)
- 50 ft. LMR-400
- 2 in receiver hitch mount
- 10 ft chain link fence top rail
- Diamond X300 Antenna
- BioEnno 12Ah LiFePo Battery
- 60 watt solar panel
- 166Wh portable power bank (for laptop and accessories)
- Power pole panel (fused)

Hitch mount:

https://www.amazon.com/dp/B015Q0EVJ0?ref=ppx_pop_mob_ap_share

Solar panel:

https://www.amazon.com/dp/B0752TQ5Y7?ref=ppx_pop_mob_ap_share

Power Bank

https://www.amazon.com/dp/B07KPYSN3S?ref=ppx_pop_mob_ap_share

RigRunner 12 Volt Fused Panel fits Anderson Powerpole plugs Side entry

<https://www.ebay.com/itm/153147334217>

The 13 Colonies Special Event; July 1st - 7th

The Annual 13 Colonies Special Event

GB13COL

WM3PEN

Home

NY - K2A

VA - K2B

DE - K2E

MA - K2H

NH - K2K

RJ - K2C

MD - K2F

NJ - K2I

SC - K2L

CT - K2D

GA - K2G

NC - K2J

PA - K2M

All HF bands will be in play, including the WARC bands, *with the exception of 60 meters*. Simplex on 2 meters and 6 meters is encouraged.

The SE stations are on the east coast and, are very close to each other. It will be harder for these states to contact each other so, use of 40m-160m is encouraged.

All modes of operation may be represented - SSB, CW, RTTY, Digital, Etc. - The mode of operation is up to the individual colony state station. Please refer to the State information pages for details. For QSL, Certificate and Merchandise info: <http://www.13colonies.us/>

Courtesy of: Steve K4ELI

SouthEast Link! What Is It?

Do you own a HotSpot or a Digital Radio? Do you use BlueDV, Peanut or EchoLink on your phone or computer? Well you need to check this out.



SouthEast Link is a bridged network of Wires-X rooms, YSF reflectors, FCS reflectors and digital repeaters for System Fusion, D-Star, DMR, Xreflectors, DPlus reflectors, The TGIF Network, the QRM Network, the Brandmeister Network and Allstar and EchoLink nodes.

SouthEast Link provides a gateway for amateurs using different digital protocols to talk to each other throughout the South East and is operated by the LMARC – Lookout Mountain Amateur Radio Community near Chattanooga, TN.

Check out their website <https://lmarc.net/club/> and links which contain a vast and varied amount of useful information.

Courtesy of: Lee WB4QOJ

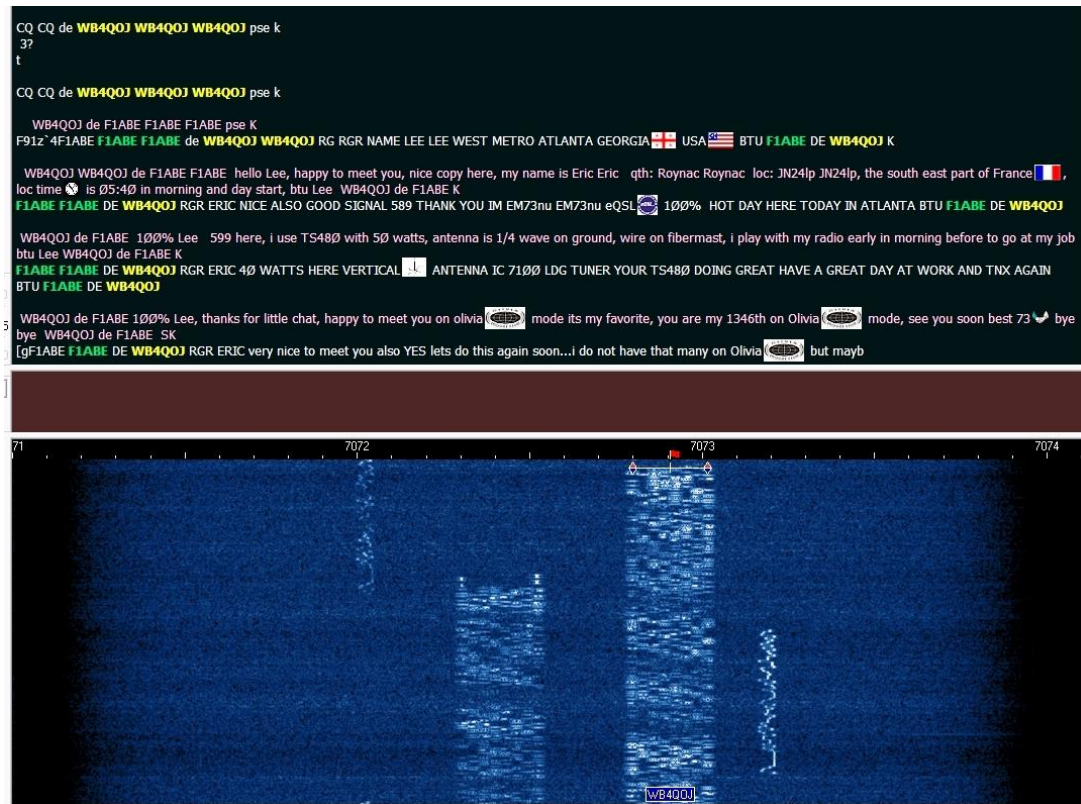
Olivia- A Fast Conversational Digital Mode

A lot of times when some of us have an Olivia Digital contact we do a screen shot and send it to the other station. At 0430 UTC I was having a great QSO with Eric in France F1ABE on 40 meters 40 watts Olivia Digital. Very nice QSO and signal. We chatted for about 15 minutes.

I am the signal on the right. The other Olivia signal he was coping to left of mine was a station in Portland, Oregon. 40 METERS HOT TONITE.

Here is what he sent to me via email of my signal in France. He is running a vertical antenna.

Lee WB4QOJ



Who says Olivia is dead. Not Lee.

Where and How to Dispose of Unused Medicines

Do you know how to properly dispose of old, unused, unwanted, or expired medicines?

The U.S. Drug Enforcement Administration (DEA) sponsors [National Prescription Drug Take Back Day](#) in communities nationwide but many communities have their own drug take back programs. But what can you do when a take-back option is not readily available?

You can dispose of your unwanted drugs at home but what is the proper way? There are concerns about the small levels of drugs that may be found in surface water, such as rivers and lakes, and in drinking water supplies. How does it affect your septic system which depends on bacteria to function properly and effectively?

You can find answers and guidelines at:

<https://www.fda.gov/consumers/consumer-updates/where-and-how-dispose-unused-medicines>

The Megger! What Is It?

Do you know what it is and what it is used for?

The **Megger** is a "hand dynamo" which allows generation of voltages high enough to measure resistance in the megohm range and is commonly used to measure the [electrical resistance](#) of [insulators](#). Originally called the "**MEGaohm Meter**", it was commonly referred to as the "**Megger**".

For example, cable jackets must be tested for their insulation strength at the time of manufacturing and as part of maintenance of high voltage electrical equipment and installations. For this purpose megohmmeters, which can provide high [DC voltages](#) (typically in ranges from 500 V to 5 kV, some are up to 15 kV) at specified current capacity, are used. Acceptable insulator resistance values are typically 1 to 10 megohms, depending on the standards referenced.

A Megger consists of an e.m.f. source (voltage generator) and voltmeter. The scale of the voltmeter is calibrated in ohms (kilo-ohms or megohms, as the case may be). In measurements, the e.m.f. of the self-contained source must be equal to that of the source used in calibration.

Information source:

<https://en.wikipedia.org/wiki/Megohmmeter>

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

COVID-19 “Quotes Of The Day”

“You never appreciate what you have till it’s gone. Toilet paper is a good example.”

“We are about three weeks away from knowing everyone’s true hair color.”

“Like a good neighbor, stay over there.”

“Actually, it’s only quarantine if it comes from the quarantine region of France; otherwise it’s just sparkling isolation.”

“Back in the day, there was so much toilet paper that people used to literally string it up in the trees of their enemies.”

“You know that stash of fast-food napkins in your glove box? It’s their turn to shine.”

“I love Texans because they’re all freaking out about the Corona virus but have never hesitated to buy tamales out of the back of a car.”

“This virus must be wrecking India. I haven’t got one phone call in 3 days about my extended car warranty”

“Our cleaning lady just called and told us she will be working from home and will send us instructions on what to do.”

“My body has absorbed so much soap and disinfectant lately that when I pee it cleans the toilet.”

“Gas is finally affordable and we can’t go anywhere!!!”

“My phone is so full of information on this virus it doesn’t vibrate anymore, it coughs”

“Florida supermarkets have announced special early morning shopping hours just for people 60 or older. The other 10 people in the state are thrilled to have the stores to themselves the rest of the day.”

“Just before I die, I am going to swallow a bag of popcorn kernels. My cremation is going to be epic!”

Thanks to Neale, N4MNW

Interesting Links to visit!

Everything You Need to Know About USB and Serial Interfaces

<https://youtu.be/fEEUpsWUtAA>

Identify signals you hear Noise to PS Hash

[https://www.sigidwiki.com/wiki/Signal Identification Guide](https://www.sigidwiki.com/wiki/Signal_Identification_Guide)

FT-8 Digital Modes Club Award

<https://epc-mc.eu>

JS8Call 2.2 is now available

<http://files.js8call.com/latest.html>

30Meter Digital Group PSK Hour

<http://www.30mdg.org/index.html>

Fantastic QSO's on JS8Call and Olivia

Js8call@groups.io and Olivia@groups.io and 30mdg@groups.io

Linux GUI apps to Windows 10 - The Verge

<https://www.theverge.com/2020/5/19/21263377/microsoft-windows-10-linux-gui-apps-gpu-acceleration-wsl-features>

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>

Breakfast @.....

**Join us on the 146.955 repeater and on "ZOOM" on Thursdays @ 8:30am.
In person gatherings are cancelled until further notice due to Covid-19 safety concerns! For "ZOOM" information, check the SCARS Groups.IO calendar.**

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

We normally 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!
Even on the Repeater or ZOOM!**



Has anyone else noticed
that the symbol "&"
looks like a person
dragging their butt
across the floor?

... asking for a friend

Answers & Stuff!

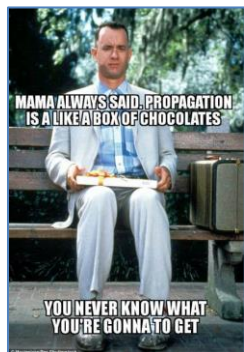


What Characters are missing from this picture?

- Mayor McCheese
- Officer Big Mac
- Uncle O'Grimacey
- CosMc
- Bernice
- Vulture
- Sundae
- Iam Hungry
- Mike the [Microphone](#)

Anyone else's car
getting 3 weeks to the
gallon at the moment ?

Anyone wanna meet
for lunch tomorrow?
We could order
drive-thru
and pull up next to
each other like the
cops do



Recent SCARS Website Updates:



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

- [Web Links page](#) updated with:
 - Dr. Tamitha Skov's Space Weather Woman website added.
- [Membership Roster](#) download link added to the home page top menu.

The SCARS webmaster (K4LDC) is retiring and is looking for someone with webpage experience to take over this prestigious post. This is your chance to contribute to the club by providing new and fresh inspiration to our ham radio internet community.

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

Due to Covid-19 concerns and restrictions, contact Steve K4ELI swalls46@att.net for July test session information.

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.

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

Due to Covid-19 concerns and restrictions, contact John W4TXA w4txa.john@gmail.com for July test session information.

Jul 14 Aug 11 Sep 08 Oct 13 Nov 10 Dec 08

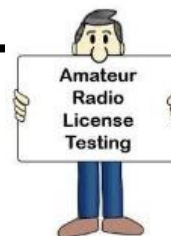
Please check the ARRL website for changes or corrections.

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

All classes of license exams will be available.

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 **

	January	February	March	April	May	June
Meeting 1st Tuesday Date/Time:	01-07-2020 7pm	02-04-2020 7pm	03-03-2020 7pm	04-07-2020 7pm	05-05-2020 7:30pm	06-02-2020 7:30pm
Meeting Location	Paulding Chamber of Commerce Bldg.	Paulding Chamber of Commerce Bldg.	Paulding Chamber of Commerce Bldg.	"On The Air" 146.955- 77Hz Roll Call	"On The Air" 146.955- 77Hz Roll Call	"On The Air" 146.955- 77Hz & "Zoom"
Meeting Activity	Ham Radio Estate Planning (Steve K4ELI)	Ham Tower Engineering (Corey - KN4ULL)	6m Operation & Antennas (Mike - K4PI)	Weather (Postponed)	Spark Gap Transmitter (Postponed)	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

V2020.07

Silver Comet Amateur Radio Society

2020 Calendar

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	July	August	September	October	November	December
Meeting 1st Tuesday Date/Time:	07-07-2020 7:30pm	08-04-2020 7pm	09-01-2020 7pm	10-06-2020 7pm	11-03-2020 7pm	12-01-2020 7pm
Meeting Location	"On The Air" 146.955- 77Hz & "Zoom"	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	

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V2020.07

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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