The July 6th 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

If you aren’t comfortable being in the room, please join us on Zoom at https://zoom.us/j/97552899499?pwd=Y0NiWjhrVG45dEpPUlppK0xicWlFdz09.
Editor’s Notes:

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

Chuck DuVall, K4CGA – Editor

Monday – “SCARS Night Out” Net!

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.

SCARS Media:

Groups.IO: [https://silvercometars.groups.io/g/main](https://silvercometars.groups.io/g/main)
Facebook: [https://en-gb.facebook.com/groups/2360561620926754/](https://en-gb.facebook.com/groups/2360561620926754/)
QRZ: [https://www.qrz.com/db/W4RSC/](https://www.qrz.com/db/W4RSC/)
Info: Info@silvercometars.com or Silvercometars@gmail.com

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

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.
Mark your Calendar!

Jul 04 – Independence Day
Jul 06 – SCARS club meeting
Jul 31 - HamQuest Nashville
Sep 24/25 - W4DXCC 2021 Convention

What Is The Meaning Of “SK”?

Widely used in amateur radio, the procedural signal (prosign) “SK”, or abbreviation for “Silent Key”, has two differing meanings.

When working CW or non-voice digital modes, “SK” is commonly used for indicating a final transmission for this QSO.

“SK” also refers to a “Silent Key”, a term of respect for the loss of a member from the radio amateur community. A dignified term dating back to wired telegraphy and adopted in the early days of ham radio, “SK” was sent by Morse code to honor a CW operator whose key will never be heard again. The code was adopted to refer to any amateur radio operator who is deceased, regardless of whether they were known to have used telegraphy in their communications.

Ode to Silent Key

The dials on your radio are unmoved, the speaker silent, and the ash tray clean for all time to come.

All those hours you sat in that old green chair, talking to unseen voices, filling the ash tray to overflowing. You talked near and far, and had friends you never met. You traveled the world over from your chair. You’ve become a silent key now, gone on to meet those unseen voices from the past. Yet in the stillness I can hear your chair squeak, smell your tobacco, and hear faint voices calling from afar.

- Foundation for Amateur Radio
ARRL 2021 Field Day

OH WOW! The 2021 Silver Comet ARS Food Fest and Field Day event was a resounding success! Many thanks go out to our Field Day planning committee, K4ELI-Steve, K4SHW-Stan, KM4EOG-Everett and K4TXA-Cheri, for all their effort, hard work and dedication that resulted in such a successful event.

This year’s event was held at Paulding County’s Fire Station 7 storage and training building in Yorkville. With plenty of space to erect a variety of portable antennas and room for 3 fully equipped communications positions, emergency power, lighting and HVAC, we qualified to operate under the EOC class. The facility also was equipped with a mini-kitchen, restrooms and an optional relaxation area which provided a comfortable environment for our operators. Please express your appreciation to member Kevin New-KK4CLB and the PCFD for allowing us to use this facility.

Primary radio equipment was provided by K4LDC-Larry, K4MWC-Mike and K4ELI-Steve with antennas provided by K4LDC, W4DTO-Dan and K4ELI. Day Shift commander W4DTO-Dan and Night Shift commander KM4IKO-James collaborated on setting up the contact logging PCs and server operations.

The setup luncheon resembled a feast for dignitaries thanks to our Master Chef and Legit Party Planner, Cheri-W4TXA. In addition to spending considerable time calling members to arrange for food, drinks and snacks, Cheri spent long hours in her own kitchen preparing wonderful dishes for all to enjoy. Having enough food to last the entire weekend and then some, if you went hungry or thirsty or went home empty handed, it was your own fault. A hardy thanks to Cheri and those members that kept us stuffed and happy.

In the Member’s Log:

<table>
<thead>
<tr>
<th>Barry</th>
<th>KN4QDD</th>
<th>James</th>
<th>KM4IKO</th>
<th>Ruth</th>
<th>WA4MDQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camella</td>
<td>WD4DGM</td>
<td>Joe</td>
<td>W4UEM</td>
<td>Stan</td>
<td>K4SHW</td>
</tr>
<tr>
<td>Charles</td>
<td>K0CZR</td>
<td>John</td>
<td>W4TXA</td>
<td>Steve</td>
<td>K4ELI</td>
</tr>
<tr>
<td>Cheri</td>
<td>K4TXA</td>
<td>Keiffer</td>
<td>KO4QZY</td>
<td>Tom</td>
<td>N4FWD</td>
</tr>
<tr>
<td>Chuck</td>
<td>K4CGA</td>
<td>Ken</td>
<td>KN4CQZ</td>
<td>Tommy</td>
<td>K4VTE</td>
</tr>
<tr>
<td>Dan</td>
<td>W4DTO</td>
<td>Kevin</td>
<td>KK4CLB</td>
<td>Troy</td>
<td>K4JDA</td>
</tr>
<tr>
<td>Dianne</td>
<td>K4BN</td>
<td>Kunel</td>
<td>KO4HLP</td>
<td>Wally</td>
<td>KO4LFE</td>
</tr>
<tr>
<td>Eric</td>
<td>W4ADH</td>
<td>Larry</td>
<td>K4LDC</td>
<td>Will</td>
<td>W4BRA</td>
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<tr>
<td>Everett</td>
<td>KM4EOG</td>
<td>Mark</td>
<td>KF4ESP</td>
<td></td>
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</tr>
<tr>
<td>Greg</td>
<td>WD5GNX</td>
<td>Mike</td>
<td>K4MWC</td>
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</table>
ARRL 2021 Field Day (continued)

In the **Guest Log:**

- Sharon Walls  XYL of K4ELI
- Patricia Brown
- Ed Rutledge  KO4BWN
- Betsy Shepherd  XYL of KO4QZX
- Christian (Shep) Shepherd  KO4QZX
- Sharon Ozment  XYL of W4DTO
- Kelly Ozment  Dau of W4DTO

**W4RSC's Contest Summary Report**  
**2021 ARRL-FIELD-DAY**

Total Contacts = 705  
Total Points = 963 (x power mult. = Claimed 1926)

<table>
<thead>
<tr>
<th>Band</th>
<th>CW</th>
<th>Phone</th>
<th>Dig</th>
<th>Total</th>
<th>%</th>
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<tbody>
<tr>
<td>80</td>
<td>0</td>
<td>70</td>
<td>0</td>
<td>70</td>
<td>10</td>
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<td>40</td>
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<td>45</td>
<td>158</td>
<td>203</td>
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<td>266</td>
<td>64</td>
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</tr>
<tr>
<td>6</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>0</td>
<td><strong>447</strong></td>
<td><strong>258</strong></td>
<td><strong>705</strong></td>
<td><strong>100</strong></td>
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</table>

![DX Zone Map](image-url)
ARRL 2021 Field Day Pictures
**Paulding County “Run With The Badges 5K”**

The *Paulding Public Safety Appreciation, Inc. (PPSA)* is a nonprofit organization that sponsors a yearly “Run with the Badges 5K Glow Run” to assist Public Safety employees in times of need. All proceeds from this event go toward supporting the PPSA.

On June 4th, SCARS/ARES members assisted Paulding County EMA and CERT members by providing backup communications and additional observers around the event staging area and the course in the Cedarcrest/Seven Hills area of Dallas. Although threatening, the bad weather held off and all went well.

SCARS/ARES members participating:
- Dan - W4DTO
- Ron - WB3ILX
- James - KM4IKO
- Robert - KN4RTJ
- Chuck - K4CGA
- Cheri - K4TXA
- Dianne - KY4BN
- Ed - KO4BWN
- Steve - K4ELI
Hashtag Uses On SCARS Groups.io

Hashtags have several uses within Groups.io, including controlling certain behaviors of topics and messages. Moderators can apply various settings to hashtags (i.e., expiration times); those settings are then applied to topics that are tagged in the subject line with those hashtags.

Group members can use hashtags for:

- **Searching**: On the group’s website, you can search on hashtags to easily find all messages tagged with them. Top hashtags in use are displayed on the SCARS groups.io home page.

  **Example**: If a group uses a hashtag called #swap-shop to tag For Sale items, clicking on #swap-shop in the hashtag list on the group’s website displays a list of all messages in which group members have posted items For Sale or Trade.

- **Muting topics**: You can stop receiving email messages in topics that are tagged with a particular hashtag. For more information, see [Muting or unmuting topics and hashtags](#).

  **Note**: If a moderator has set a hashtag to Special (meaning messages with that hashtag are sent as special notices), you cannot mute that hashtag because special notices cannot be muted.

- **Following topics**: If you have selected “Following Only” on the [Advanced Preferences panel](#) of your [Subscription page](#) for the group, you can follow (receive messages posted in) topics that are tagged with a particular hashtag. For more information, see [Following or unfollowing topics and hashtags](#).

- **Receiving web/app notifications** for specific topics: If you have [enabled web/app notifications](#) in your Groups.io account, you can turn on web/app notifications for individual hashtags:
  
  o Display the group’s Hashtags page.
  o Locate the hashtag you want to receive notifications for and click the Mute/Notify button (or link, if you are viewing the page in List View).

    **Note**: The button (or link) is labeled Follow/Notify, instead of Mute/Notify, if you have selected “Following Only” on the [Advanced Preferences panel](#) of your [Subscription page](#) for the group.
  
  o On the resulting page, in the Notifications panel, select the Web/App Notify checkbox.
  o Click the Update button at the bottom of the page.

Prepared by Larry K4LDC
**What Is A Hot Spot?**

In the simplest of terms, an Amateur Radio Hotspot is a small, digital, low power (~10mW), Internet connected, personal repeater used to connect to other radio amateurs locally or around the world.

Using a digital capable HT on its lowest power setting, you communicate with your hotspot and the hotspot communicates to the world. Basically, it is an IP digital radio gateway capable of DMR, DSTAR, C4FM, P25, NXDN and future digital modes.

This can be a boon for those outside the range of a repeater, travelers that want to talk back home, or if you are deep inside a building and can’t get a radio signal out.

An amateur radio hotspot simply consists of hardware, normally a Raspberry PI and some optional plug-in boards, firmware, software, and a WiFi connection to the internet.

Some hams refer to it as "A Repeater in your pocket". A few examples are OpenSpot, ZumSpot, JumboSpot, Nano-Spot, and several others. Hotspots are available in both DIY kit form or pre-assembled.

Need help selecting a hotspot or setting one up? SCARS has quite a few members that are using them and built and programmed. Just ask around.

**Silver Comet ARS VHF Contest Report**

ARRL June VHF Contest Total Score = 19,489

<table>
<thead>
<tr>
<th>Call</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>K4ELI</td>
<td>6,549</td>
</tr>
<tr>
<td>K4LDC</td>
<td>4,472</td>
</tr>
<tr>
<td>N4FWD</td>
<td>3,975</td>
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<tr>
<td>N4MNW</td>
<td>2,278</td>
</tr>
<tr>
<td>K4VTE</td>
<td>2,025</td>
</tr>
<tr>
<td>K4SHW</td>
<td>190</td>
</tr>
</tbody>
</table>

Compiled using N3FJP Software: [www.n3fjp.com](http://www.n3fjp.com)
Peachtree Road Race Volunteers Needed.

It's time for the 2021 Atlanta Journal-Constitution Peachtree Road Race! Once again, the Atlanta Track Club has asked amateur radio operators to help put on a safe event. This year the PTRR will happen over two days, so there are TWO days you can sign up for (and we can use your help both days!):

- Saturday, July 3rd “starting at 5:15am” “Ham Radio Operators”
- Sunday, July 4th “starting at 5:15am” “Ham Radio Operators”

All shifts will end by about 10:30am, some sooner.

Volunteers will be able to earn TWO different volunteer shirts by volunteering on both the 3rd and 4th. The track club is excited to host the safest 10K and can't do it without our many volunteers. Contact Dan - W4DTO <dan@ozment.net> for more info.

Steve Walls - K4ELI Test His 500th Candidate

SCARS Volunteer Examiner (VE) Teams are hard at work as demonstrated by member Steve Walls K4ELI who tested his 500th candidate on June 22nd. Assisted by fellow examiners K4LDC and KM4IKO, Steve administered the General Class exam to Shepard Christian KO4QZX, who passed his Tech exam on June 3rd and has now passed his General Class exam.

Congratulations Steve and thank you for your dedication to advancing the hobby.

Congratulations are also in order to Shepard for your upgrade.
Interesting Links
Information on meteor showers, solar flares, auroras, and near-Earth asteroids
https://spaceweather.com/

[Video] SDR Panadaptor
https://youtu.be/jKqXBvsrGsI

Is Radio RF Dangerous?
experts-tell-us-radio-is-dangerous-emf NOT!

'Tornado Alley' is expanding:
https://apple.news/AcjneNr7mT1mQQWZ3glZDtQ

SAR Calculator
rf-exposure-calculator

MAC New OS Rumor
https://www.macrumors.com/2021/06/30/os-x-lion-mountain-lion-free-to-download/

ARRL Clubs - 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

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

Decoding Digital RF transmissions from across the spectrum
http://www.kd0cq.com/2013/07/sorcerer-decoder-download/
Breakfast @....... 

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

#### 2021 ARRL Contest Dates

<table>
<thead>
<tr>
<th>January 2021</th>
<th>February 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Straight Key Night</td>
<td>8-12 School Club Roundup</td>
</tr>
<tr>
<td>2 Kids Day</td>
<td>20-21 International DX – CW</td>
</tr>
<tr>
<td>2-3 RTTY Roundup</td>
<td></td>
</tr>
<tr>
<td>16-18 January VHF</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>March 2021</th>
<th>April 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-7 International DX- Phone</td>
<td>18 Rookie Roundup – Phone</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>June 2021</th>
<th>July 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-14 June VHF</td>
<td>10-11 IARU HF World Championship</td>
</tr>
<tr>
<td>19 Kids Day</td>
<td></td>
</tr>
<tr>
<td>26-27 Field Day</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>August 2021</th>
<th>September 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-8 222 MHz and Up Distance Contest</td>
<td>11-13 September VHF</td>
</tr>
<tr>
<td>21-22 10 GHz &amp; Up – Round 1</td>
<td>18-19 10 GHz &amp; Up - Round 2</td>
</tr>
<tr>
<td>22 Rookie Roundup – RTTY</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>October 2021</th>
<th>November 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-22 School Club Roundup</td>
<td>6-8 Nov. Sweepstakes – CW</td>
</tr>
<tr>
<td>23-24 EME – 2.3 GHz &amp; Up</td>
<td>20-22 Nov. Sweepstakes – Phone</td>
</tr>
<tr>
<td></td>
<td>20-21 EME - 50 to 1296 MHz</td>
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</table>

<table>
<thead>
<tr>
<th>December 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-5 160 Meter</td>
</tr>
<tr>
<td>11-12 10 Meter</td>
</tr>
<tr>
<td>19 Rookie Roundup–CW</td>
</tr>
</tbody>
</table>

#### Additional Contest Calendars

- [http://www.contestcalendar.com/index.html](http://www.contestcalendar.com/index.html)
- [http://ncjwecom/](http://ncjwecom/)

Check your emails for additional contest and special event activities.
**SCARS Amateur Radio Licensing Schedule.**

**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.
No walk-ins. Register or call ahead. See sign at Front Desk for Room #.

**2021 Schedule**
The Governor’s directives in effect at that time will be adhered to.

Jul 01 * Aug 05 * Sep 02 * Oct 07 * Nov 04 * Dec 02

For more information, contact Steve Walls, K4ELI: swalls46@att.net (404)697-9840

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

**2021 Schedule**
The Governor’s directives in effect at that time will be adhered to.

Jul 13 * Aug 10 * Sep 14 * Oct 12 * Nov 09 * Dec 14

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

<table>
<thead>
<tr>
<th>Meeting 1st Tuesday Date/Time</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date/Time</td>
<td>01-05-2021 7pm</td>
<td>02-02-2021 7pm</td>
<td>03-02-2021 7pm</td>
<td>04-06-2021 7pm</td>
<td>05-04-2021 7pm</td>
<td>06-01-2021 7pm</td>
</tr>
<tr>
<td>Meeting Activity</td>
<td>Contest Station (K3UR) Owner DX Engr.</td>
<td>Toroids &amp; Baluns (N4XL)</td>
<td>Which Ant. Is Best (K4ELI)</td>
<td>Weather (K4DMF)</td>
<td>Last Man Standing WB4QDX</td>
<td>Field Day Prep (FD Team)</td>
</tr>
<tr>
<td>Additional Activities</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>GA QSOP</td>
<td>TBD</td>
<td>Field Day</td>
</tr>
<tr>
<td>Hamfest &amp; Conventions</td>
<td>TBD Lawrenceville TechFest</td>
<td>TBD Dalton, GA Orlando, FL (HamCation)</td>
<td>TBD Birmingham Ellijay, GA</td>
<td>TBD Mobile, AL Calhoun, GA</td>
<td>TBD Dayton, OH</td>
<td>TBD Atlanta, GA</td>
</tr>
</tbody>
</table>

This calendar is “Subject to change”. Submit change request to K4ELI Steve V2021.05

---

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

<table>
<thead>
<tr>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date/Time</td>
<td>07-06-2021 7:30pm</td>
<td>08-03-2021 7pm</td>
<td>09-07-2021 7pm</td>
<td>10-05-2021 7pm</td>
<td>11-02-2021 7pm</td>
</tr>
<tr>
<td>Meeting Location</td>
<td>Paulding Chamber Of Commerce</td>
<td>Paulding Chamber Of Commerce</td>
<td>Paulding Chamber Of Commerce</td>
<td>Paulding Chamber Of Commerce</td>
<td>Paulding Chamber Of Commerce</td>
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<tr>
<td>Meeting Activity</td>
<td>Baluns or Propagation (K4ELI)</td>
<td>SO2R Basics (SMW)</td>
<td>GRITS Ride / AM DX Contest (K4DMF/K4CGA)</td>
<td>Spark Gap Xmitter (N4GG)</td>
<td>Power Supplies (K4ELI)</td>
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<td>Additional Activities</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
<td>Club Elections</td>
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<tr>
<td>Hamfest &amp; Conventions</td>
<td>TBD</td>
<td>TBD</td>
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This calendar is “Subject to change”. Submit change request to K4ELI Steve V2021.07
SILVER COMET AMATEUR RADIO SOCIETY, INC.

CONTACT US:

Groups.io Request: SilvercometARS@groups.io

Repeater: 146.955 (-) (77 hz)

Contact: Club President Dan Ozment, W4DTO

Email: dan@ozment.net

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