



Ham Radio

in the 21st Century



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
June 2021 Vol 8 Number 6

*The June 1st 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



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If you aren't comfortable being in the room, please join us on Zoom at
<https://zoom.us/j/97552899499?pwd=Y0NiWjhrVG45dEpPULppK0xicWlFdz09.>

W4RSC "Radio Silver Comet"

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



Editor's Notes:



Newsletter Editor Wanted! Copies of past SKYWAVE newsletters can be found at the club website <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!



Radio and Zoom check-ins begin at 7:00PM. 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 because it's very informal and Troy K4JDA does a great job as the moderator.

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.

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

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

SCARS Community Food Drive!

COVID-19 has resulted in an unusually high demand for food products from our local Food Bank, **Helping Hands** in Dallas.

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



Mark your Calendar!

Jun 04 - Paulding ARES Run with the Badges

Jun 26/27 - ARRL 2021 Field Day

Jul 31 - HamQuest Nashville

Sep 24/25 - W4DXCC 2021 Convention



ARRL 2021 Field Day



2021 ARRL/SCARS Field Day activities will be held at the old Fire Station #7 building, 296 Crossroads Church Rd. Rockmart, GA 30153 in Yorkville. Always on the fourth full weekend of June, this year it falls on June 26th & 27th, and begins at 1800 UTC Saturday and runs through 2059

UTC Sunday.

Send comments and questions to Everett KM4EOG Everett ekshooter@comcast.net

The ARRL Field Day rule modifications allowing you to operate from home and contribute your score to SCARS are still in effect. ARRL rules are available at: <http://www.arrrl.org/field-day-rules>

What Happened After Morse Code Was Invented?

No sooner than Samuel Morse devised his famous code, than he was harassed nightly by annoying telegram marketers.



Bob Russel WD4PAQ – Silent Key(SK) 1936-2021



With sadness, Bob Russell WD4PAQ of Hiram GA became a Silent Key (SK) on May 29th, 2021 at WellStar Paulding Hospital ICU. No arrangement have yet been announced by his family. An update to this will be made when I know more.

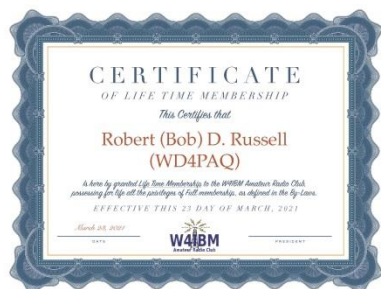
Although not an active member of SCARS, Bob attended club meetings and Field Day activities when his family's health permitted. Bob was kind enough to allow SCARS to use his rotary tri-band dipole antenna for FD activities.

As an ex-IBMer, Bob was also a member of the W4IBM Radio Club and maintained a 37 year friendship with Charles, K0CZR. As a matter of fact, Bob was a student in one of Charles' IBM classes.

Bob was mentor to many amateurs and exhibited a talent in restoring and re-creating perfect replicas from scratch of antique communications equipment. He also enjoyed educating scouts in radio procedure and assisted them in building Pinewood Derby cars.

Charles has indicated there is interest in placing a brick at ARRL headquarters in memory of Bob. He said he would keep us all up to date on that effort as I'm sure some of us who knew Bob will want to contribute.

Please keep Bob's family, his best friend Charles, and his other friends in the W4IBM club in your prayers.



SCARS-ARES Participate in EMA Exercise



Paulding County ARES participated in a Paulding Emergency Management Agency sponsored Search and Rescue Training Exercise on 5/22/21. According to Paulding EMA, the purpose of the exercise was to provide participants with an opportunity to assess capabilities, plans, policies, and procedures relating to lost/missing persons incidents. It focused on decision-making, coordination, and integration with several organizations during a search. The expected outcome of the exercise is to enhance search and rescue operations capabilities and strengthen interagency coordination.

The exercise was conducted along the Silver Comet Trail within Paulding County and had Paulding ARES team members stationed on the Paulding Mobile Command Vehicle, at the Paulding Emergency Operations Center, and embedded with two "lost person" teams.

Paulding ARES team members used the WB4QOJ (146.955 and 443.475) repeater system to maintain constant contact with the lost persons for their safety and to maintain situational awareness for exercise facilitators. Paulding ARES team members were Dan Ozment, Steve Walls, Ron West, Robert Oliver, James Aikey, Dianne DaLee, and Kunal Mitra.



Next Paulding County ARES Meeting

Our NEW meeting date is Wednesday, June 2 at 7 PM on Zoom. We will send another reminder with the link to join a couple of days prior to the meeting.

Interesting Links

Black Cat Systems SDRuno Equalizer Plugin For SDRPlay

http://blackcatsystems.com/software/sdruno_equalizer_plugin.html

How to Track Satellite Fly-Bys with Raspberry Pi

<https://www.tomshardware.com/news/how-to-track-satellite-fly-bys-with-raspberry-pi>

Icom7100 International DSTAR HF Testing Net SUMMER SCHEDULE

<http://hf.dstar-relay.net/>

FREE REMOTE OPERATION Interface for Icom transceivers

<https://wfvview.org/>

Rigexpert DigiFest Contest Digital Modes

<https://rigexpert.com/digifest/rules/>

Connecting with strangers over ham radio cleared my family's static

<https://www.bostonglobe.com/2021/05/22/opinion/connecting-with-strangers-over-ham-radio-tuned-my-husband-back-into-our-little-family/>

Muilti PSK to SDRPlay

[https://wiki.radioreference.com/index.php/Connect the SDRPlay RSPs via TCP IP to Multipsk](https://wiki.radioreference.com/index.php/Connect_the_SDRPlay_RSPs_via_TCP_IP_to_Multipsk)

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>

Decoding Digital RF transmissions from across the spectrum

<http://www.kd0cq.com/2013/07/sorcerer-decoder-download/>

Stealth Amateur Radio

For those of you with HOA problems, this may be the best \$7 you spend on the hobby. <http://www.stealthamateur.com/> **Steve K4ELI**

New Q Codes for Current Times

QLD	I am locked down.
QUA	I am quarantined.
QPD	I am in the middle of a pandemic.
QTP	I have toilet paper. Want to trade for a new car?
QHG	I need a hug.
QSH	I am sheltering at home.
QHS	I have hand sanitizer. Want to trade for two new cars?
QSD	I am observing social distancing.
QCV!	I hate Coronavirus.
QWH	Wash your Hands
QWH?	Did you Wash your Hands?
QSS	Stay Safe
QTS	I have toilet paper AND hand sanitizer. Want to trade for IC-7300 or FT-991A?

List Of Amateur Radio Magazines!

This is a list of [magazines](#) that focus on topics related to [amateur radio](#). It is not complete by any means.

Magazine	Country	Language	Frequency	Published
Amateur Radio	 Australia	English	Bimonthly	1933–present
The Canadian Amateur	 Canada	English, French	Bimonthly	
Radioamatööri	 Finland	Finnish	Monthly	1950–present
CQ ham radio	 Japan	Japanese	Monthly	1946–present
Five Nine	 Japan	Japanese	Monthly	
Radio ZS	 South Africa	English	Monthly	Unknown
old man	 Switzerland	German, French, Italian,	Monthly	1932-2007
Practical Wireless	 United Kingdom	English	Monthly	1932–present
RadCom	 United Kingdom	English	Monthly	1913–present
CQ Amateur Radio	 United States	English	Monthly	1945–present
CQ VHF Magazine	 United States	English	Quarterly	1996-2013
Electronics Illustrated	 United States	English	Monthly	1959-1961
ham radio	 United States	English	Monthly	1968-1990
K9YA Telegraph	 United States	English	Monthly	2004–present
Modern Electrics	 United States	English	Monthly	1908-1913
National Contest Journal	 United States	English	Bimonthly	1973–present
QEX	 United States	<u>English</u>	<u>Bimonthly</u>	<u>1981–present</u>
QST	 United States	<u>English</u>	<u>Monthly</u>	<u>1915–present</u>
Radio News	 United States	<u>English</u>	<u>Monthly</u>	<u>1917-1971</u>
73	 United States	<u>English</u>	<u>Monthly</u>	<u>1960-2003</u>
WorldRadio	 United States	<u>English</u>	<u>Monthly</u>	<u>1971-2008</u>

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

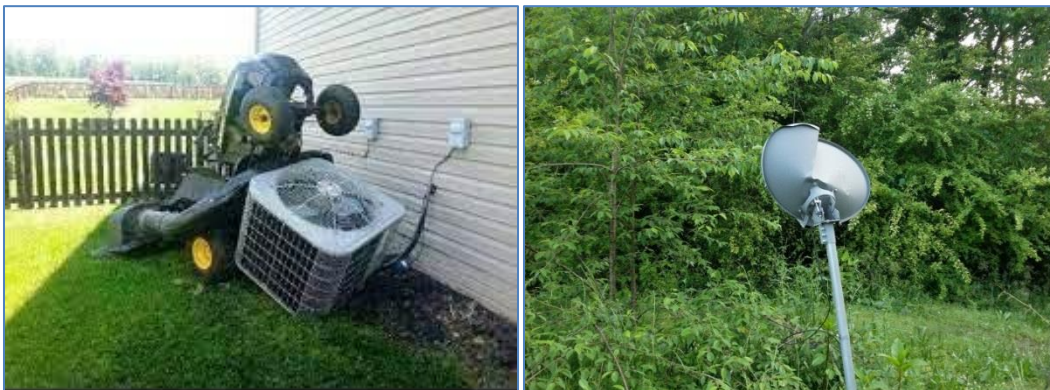
Announced DX Operations! *(partial Listing)*

2021 Jun03	2021 Jun14	British Virgin Is	VP2V	LoTW	TDDX 20210517	By NC3Z as VP2V/NC3Z
2021 Jun08	2021 Jul10	Greenland	OX3LX	LoTW	TDDX 20210521	By OZ1DJJ fm IOTA NA-018, NA-220, NA151; HF + 6 4m; spare time operation; QSL also OK via OZ0J and Club Log OQRS
2021 Jun10	2021 Jun12	Ogasawara	JD1BLY	JI5RPT	JI5RPT 20210422	By JI5RPT fm Chichijima I (IOTA AS- 031); 40-6m; FT8 CW SSB; QSL OK B/d; COVID permitting
2021 Jun27	2021 Jul04	Market Reef	OJ0 	LoTW	See Info 20210531	By OH3JR as OJ0JR and OG2M as OJ0MR; 6m; FT8 CW SSB; QSL OJ0MR via LoTW and OJ0JR via OH3JR (B/d)
2021 Jun30	2021 Jul03	Alaska	KL7RRC	N7RO	TDDX 20210420	By N7QT W8HC NL8F N3QQ fm Adak I (IOTA NA-039); 40-6m; CW SSB FT8 (f/h)
2021 Jun30	2021 Jul04	Liechtenstein	HB0	EB7DX	TDDX 20210518	By HB9HBY as HB0/HB9HBY fm Steg; FT8 CW SSB; 160- 10m; G5RV
2021 Jul07	2021 Jul12	Alaska	KL7RRC	N7RO	TDDX 20210420	By N7QT W8HC NL8F N3QQ fm Kiska I (IOTA NA-070); 40-6m; CW SSB FT8 (f/h)
2021 Jul07	2021 Jul14	Aruba	P4	ND7J	ND7J 20190722	By ND7J as P4/ND7J and N4IQ as P4/N4IQ; QRV for IARU Contest
2021 Jul14	2021 Jul16	Alaska	KL7RRC	N7RO	TDDX 20210420	By N7QT W8HC NL8F N3QQ fm Adak I (IOTA NA-039); 40-6m; CW SSB FT8 (f/h)
2021 Jul14	2021 Jul21	Bahamas	C6AHA	LoTW	DXW.Net 20210305	By N4RRR K4KSW N4QBS NN2T fm Bimini I (IOTA NA- 048); HF FT8 SSB CW; QSL via Club Log OQRS

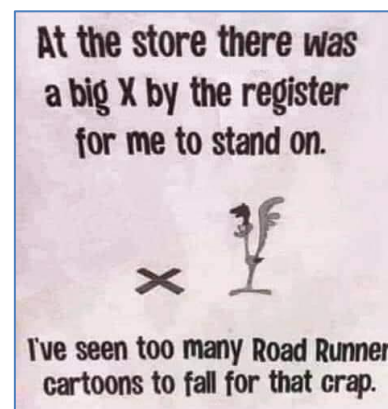
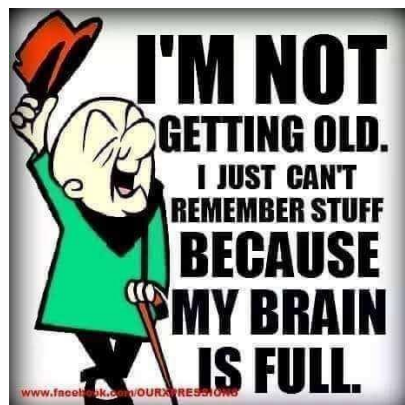
Announced DX Operations! *(partial Listing)*

2021 Jul23	2021 Aug03	St Vincent	<u>J88PI</u>	GW4DVB Direct	<u>DXW.Net</u> 20200727	By GW4DVB fm Palm I (IOTA NA-025, FK92ho); 40-6m; SSB FT8
2021 Jul21	2021 Jul26	Svalbard	<u>JWOW</u>	LoTW	<u>DXW.Net</u> 20210422	By LB1QI LB2HG LA7GIA LA7QIA LA8OM fm Prins Karls Forland I (IOTA EU- 063); focus on 40 30 20m; focus on NA and Asia; 1kw; VDAs and verticals nr salt water; QSL via M00XO; QRV for RSGB IOTA

Zero Turn?



One of our members, who will remain anonymous but lives in Carrollton, bought a new ZERO TURN mower. However, the instruction manual printed overseas did not mention avoiding fixed objects. BTW, this is not the meaning of ZERO Turns.



Power Levels

WHAT POWER LEVEL MEANS: IT'S ALL UP IN THE AIR ~~~By Lee WB4QOJ

Well a lot of people think that the more power you use on HF the better you communicate.

Well that's not always true. Yes, if you are in a pile up on 20 meters during a RARE Dx-Expedition, it will take you a little longer and finesse to make that contact. You do not need a Kilowatt and a big tower and beam on HF to work the world. It can be a little tougher on SSB than CW or Digital modes, BUT with a modest antenna or lower power it can and is done daily.

Some Hams think that 100 watts is the least you can go to make the contact, WELL THATS NOT TRUE. You can work QRP (5 WATTS), QRPp (1 watt) or QRPpp (500 milliwatts) and make a LOT OF QSOs. Some say that 100 watts or less is QRP, that could be said but it's up for discussion.

If you have an antenna that is resonant on a given band it will also perform better than one with a high SWR. You want as much RF going out and not be reflected back or turn into heat that goes nowhere. Antenna tuners take care of that matching your output to the antenna so it sees a good match 50 ohms or so.

If band conditions are GREAT (RIGHT NOW THEY ARE NOT) you can get by with less. Check the propagation sites like WM7D dot NET or VOACAP dot COM to stay up on what is the best time of day and band to work to get the contact. The middle of the night may be best for what you are looking to work. Just ask John W4TXA he is the expert on getting the rare ones for the Silver Comet ARS AM DX CONTEST in middle of the night.

Remember a good rule of thumb, Put your money in a good antenna, the most you can afford and make sure your receiver is the best you can also afford. If you cannot hear them you cannot work them. There are a lot of wire antennas and home-brew antennas that work well and they do not take up a lot of room or cost a lot of green. YouTube is full of examples, so are internet Blog sites.

After rambling on let's look at the facts. Antenna, what do I need? What bands do I want to work? What modes interest me? And the BIG ONE, how much radio can I afford? The Radio is the BIG Price tag. Used/New what do I do? Talk to folks in our group. We have a large range of radios and power levels, and antennas that we use.

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

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

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 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.

Jun 03

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.

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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

2021 Schedule

The Governor's directives in effect at that time will be adhered to.

Jun 08

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.

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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
2021 Calendar

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

	January	February	March	April	May	June
Meeting 1st Tuesday Date/Time:	01-05-2021 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

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

V2021.05

Silver Comet Amateur Radio Society
2021 Calendar

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

[illegible]

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

V2021.00

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@groups.io

Repeater:

146.955 (-) (77hz)

Contact: Club President
Dan Ozment, W4DTO

Email: dan@ozment.net

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