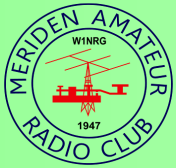


# KEY KLIX QRP

MERIDEN AMATEUR RADIO CLUB

1947 - 2020

## MAY *QRP* 2020



PRES	W1YSM	ED SNYDER
VP	KB1JL	ERIC OLSSON
SECT	K1STM	ANNE WEST
TRES	K1WJL	DAVE SWEDOCK
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MERIDEN CT 06450

ALL MEETINGS ARE **NORMALLY** AT THE  
EOC HOPE HILL FIREHOUSE , 143 HOPE HILL ROAD, WALLINGFORD  
**HOWEVER THEY ARE SUSPENDED UNTIL FURTHER NOTICE**



THE ARRL 2020 FIELD DAY LOGO  
REALLY HIT HOME WITH THE EDITOR  
AND BROUGHT A TEAR TO HIS EYE...



OEM UPDATE:

THERE IS NO UPDATE..

ALL FACILITIES ARE OFF LIMITS  
UNTIL FURTHER NOTICE...

THERE IS LIGHT AT THE END OF THE  
TUNNEL, BE PATIENT AND BE SAFE!

# Long-Lost U.S. Military Satellite Found By Amateur Radio Operator

The long-lost satellite was built in MIT's Lincoln Laboratory.

There are more than 2,000 active satellites orbiting Earth. At the end of their useful lives, many will simply burn up as they reenter the atmosphere. But some will continue circling as "zombie" satellites — neither alive nor quite dead. "Most zombie satellites are satellites that are no longer under human control, or have failed to some degree," says Scott Tilley. Tilley, an amateur radio operator ((VE7TIL) living in Canada, has a passion for hunting them down.

In 2018, he found a signal from a NASA probe called IMAGE that the space agency had lost track of in 2005. With Tilley's help, NASA was able to reestablish contact. But he has tracked down zombies even older than IMAGE. "The oldest one I've seen is [Transit 5B-5](#). And it launched in 1965," he says, referring to a nuclear-powered U.S. Navy navigation satellite that still circles the Earth in a polar orbit, long forgotten by all but a few amateurs interested in hearing it "[sing](#)" as it passes overhead.

Recently, Tilley got interested in a communications satellite he thought might still be alive — or at least among the living dead. [LES-5](#), built by the Massachusetts Institute of Technology's [Lincoln Laboratory](#), was launched in 1967. Tilley was inspired by [another amateur who in 2016 had found LES-1](#), an earlier satellite built by the same lab. What was intriguing to him about LES-5 was that if it was still working, it might be the oldest functioning satellite still in geostationary orbit. By scouring the Internet, he found a paper describing the radio frequency that LES-5, [an experimental military UHF communications satellite](#), should be operating on — if it was still alive. So he decided to have a look. "This required the building of an antenna, erecting a new structure to support it. Pre-amps, filters, stuff that takes time to gather and put all together," he says. "When you have a family and a busy business, you don't really have a lot of time for that," he says. But then came the COVID-19 pandemic.

Well folks, here's what appears to be a new ZOMBIE SAT! LES-5 [2866, 1967-066E] in a GEO graveyard orbit. Confirmation will occur at ~0445 UTC this evening when the satellite should pass through eclipse. If so this is definitely the oldest emitting GEOsat I know of. British Columbia, where Tilley lives, was on lockdown. Like many of us, suddenly Tilley had time on his hands. He used it to look for LES-5, and on March 24, he hit the ham radio equivalent of pay dirt. He's been making additional measurements ever since. "The reason this one is kind of intriguing is its telemetry beacon is still operating," Tilley says. In other words, says Tilley, even though the satellite was supposed to shut down in 1972, it's still going. As long as the solar panels are in the sun, the satellite's radio continues to operate. Tilley thinks it may even be possible to send commands to the satellite. The MIT lab that built LES-5 still does a lot of work on classified projects for the military. NPR contacted its news office to ask if someone could say more about LES-5 and whether it really could still receive commands. But after repeated requests, Lincoln Laboratory finally answered with a "no comment." It seems that even a 50-year-old zombie satellite might still have secrets.

[Scott Tilley@coastal8049](mailto:ScottTilley@coastal8049)

VE7TIL



ED W1YSM, OUR LEADER AND TRENDSETTER IS NOW INTERESTED IN SATELLITE COMMUNICATIONS. HE HAS RECEIVED HIS NEW ANTENNA (TO THE RIGHT), AND IS WAITING FOR THE 300 CUBIC YARDS OF CEMENT TO CURE BEFORE INSTALLING IT.

*SPACE, THE FINAL FRONTIER—GO WHERE NO HAM HAS GONE BEFORE.*



THIS COULD EASILY BE JOHN K1VDF,  
ERIC KB1JL & BOB WB1GYZ  
( & MIKE K1LHO, AL N1API, & BART N1BRL)



DEDICATED TO ALL THE ENGLISH MAJORS &  
PROFESSORS IN THE MARC

## Some of the best words literally ever:

Bamboozled	Flabbergasted
Discombobulated	Shenanigans
Cattywampus	Lollygag
Malarkey	Kerfuffle
Brouhaha	Nincompoop
Skedaddle	Pumpnickel
Dooickey	Thingamajig
Persnickety	Whatsit
Whatnot	Whatchamacallit
Gobsmacked	Flummoxed
Flibbertigibbet	Dingleberry
Tenterhooks	Gobbledygook
Poppycock	Canoodle
Whippersnapper	Codswallop

I challenge you to use  
at least 2-3 in a sentence.

IN HONOR OF ALL THOSE WHO CANT GET AWAY  
(ESPECIALLY JEFF N1AKN)



## Creative Approaches to Field Day 2020

-Paul Bourque, ARRL Contest Program Manager

This year, Field Day promises to be a unique iteration of this annual event, with many individuals and groups coming up with new and interesting ways to adjust their approach. As an event, Field Day is structured to be versatile and can be adapted for any situation.



Many groups have asked how they can adjust their Field Day planning to address social-distancing guidelines that may be in effect in many areas of the country, as gathering at their traditional FD site may not be feasible or safe. Instead of participating in a group event this year, consider operating as a Class B, C, D, or E station, utilizing your own call sign.

We will be including club names for all participating stations in the published results, so the efforts of your club's members can be acknowledged. While we will not publish an aggregate club score, seeing the name of your club associated with various individual member's results is certainly a way to highlight your club's activity.

Consider having an intra-club competition among members, seeing who can make the most contacts during the event. You can award prizes or distribute certificates at a club meeting. This can be a fun way to bolster the activities of individual club members, even though they cannot all gather together at the same location this year.

Try setting up a Field Day Challenge with rival clubs in neighboring communities. See how many members of each club get on the air from their own stations and participate in the event. In addition to "bragging rights," perhaps certificates to the top-scoring individual entry in each category can be presented as part of this inter-club camaraderie. Myriad opportunities are possible in this year's Field Day setting.

One club is planning to conduct their Field Day as a four-transmitter Class A club group, with participants spaced to comply with social distancing guidelines within the 1,000-foot diameter circle and operating individual stations. This club also plans to set up a Get-on-the-Air (GOTA) station. The club's plan is to have the GOTA coach at the Field Day site, while having GOTA operators participate via remote link.

Another club is planning to set up a remote-controlled station at their usual Field Day site, with club members taking turns controlling the station from their own homes. The club is creating a schedule outlining when each member of the club will be at the control of the transmitter via the remote link.

Whatever approach you take to this year's Field Day, keep up to date with the current guidelines issued by local and state health agencies that may impact your proposed operation.

ARRL invites your stories about the interesting and creative ways you're planning to use to adapt your Field Day operation. Share these on the ARRL Field Day Facebook page at <https://www.facebook.com/groups/1966096706830030/>

We will be posting updates on the Field Day webpage as they become available.

THIS ONE IS FOR DR. ED, W1YSM



WHAT DOES A PASTRY CHEF DO DURING THE QUARANTINE??



Because of Covid for the first time since 1945 the National Spelling Bee is cancel... cancel... cancel...

It's been called off.



## Social Distancing Pickup Lines:

If COVID-19 doesn't take you out... Can I?

Is that hand sanitizer in your pocket or are you just happy to be within 6ft of me?

Since all the public libraries are closed, I'm checking you out instead.

You can't spell virus without U and I.

Baby, do you need toilet paper? Because I can be your Prince Charmin.

I saw you from across the bar. Stay there.

Without you my life is as empty as the supermarket shelf.

Hey Babe! Can I ship you a drink?

You can't spell quarantine without "U R A Q T".

I really can't stay.

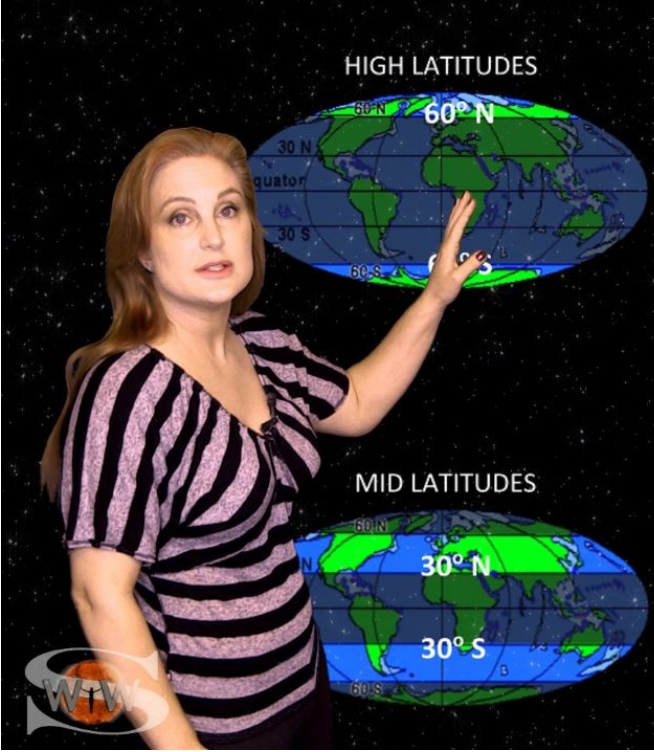
Baby it's COVID-19 outside.

RESPECT YOUR PARENTS

THEY PASSED SCHOOL WITHOUT GOOGLE.

CHECK OUT THIS REALLY NEAT WEBSITE

Solar Storm Conditions and Aurora 5-Day Outlook



----- Official NOAA 3-day -----

May 18 Mon	May 19 Tue	May 20 Wed	May 21 Thu	May 22 Fri
Unsettled <i>Aurora Possible</i>	Unsettled <i>Aurora Possible</i>	Unsettled <i>Aurora Possible</i>	Unsettled <i>Aurora Possible</i>	Unsettled <i>Aurora Possible</i>
20% Minor Storm	25% Minor Storm	25% Minor Storm	30% Active	25% Active

May 18 Mon	May 19 Tue	May 20 Wed	May 21 Thu	May 22 Fri
Normal	Unsettled <i>Aurora Possible</i>	Unsettled <i>Aurora Possible</i>	Unsettled	Normal
10% Active	15% Active	15% Active	10% Active	10% Active





# Tales of the Non-Sanctioned Fox Hunts



LATE BREAKING NEWS.... THE SAT MAY 23RD FOXHUNT HAS BEEN MOVED TO SUNDAY MAY 24 DUE TO INCLEMENT WEATHER



JEFF MARTIN KC1HDB WINS "PRETTIEST FOX HUNTING ANTENNA" AWARD...

## WHAT TYPE OF TREE?



THE "HUNTERS" ARMED WITH THEIR LETHAL AK-2 WEAPONS

## THE LONELY FOXES WERE "TIPPING"





Our wireless doorbells sitting on their chargers....

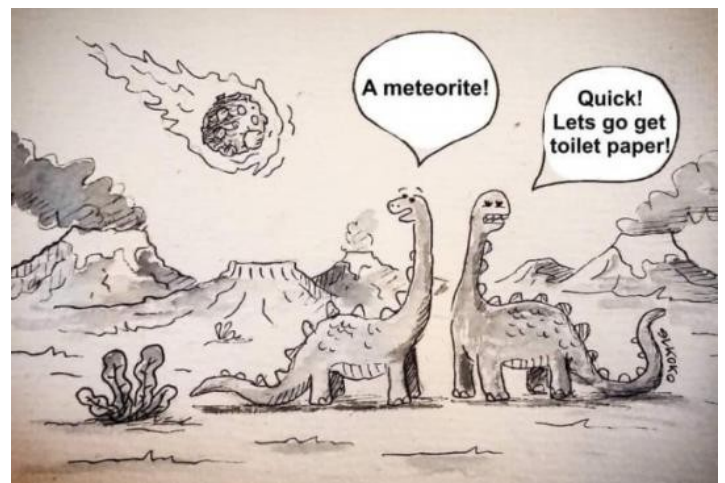
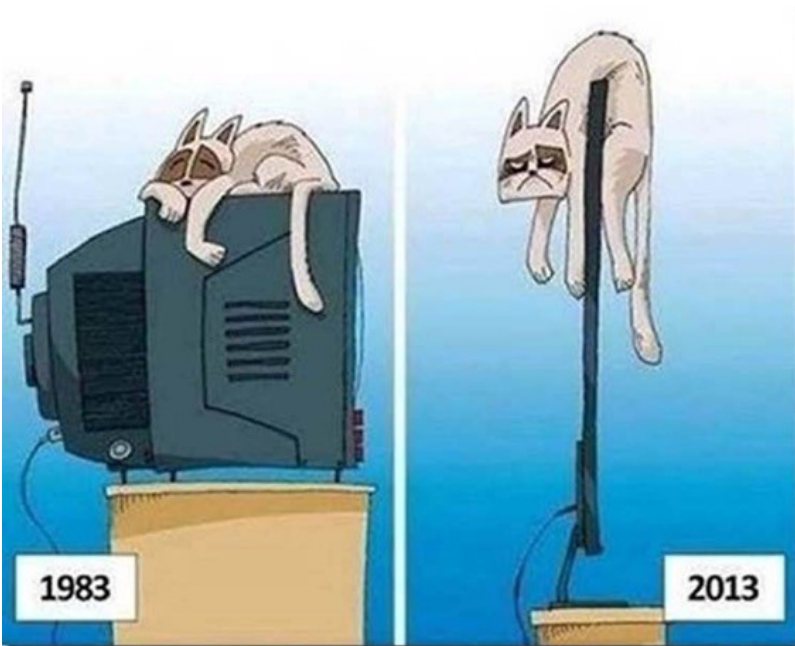
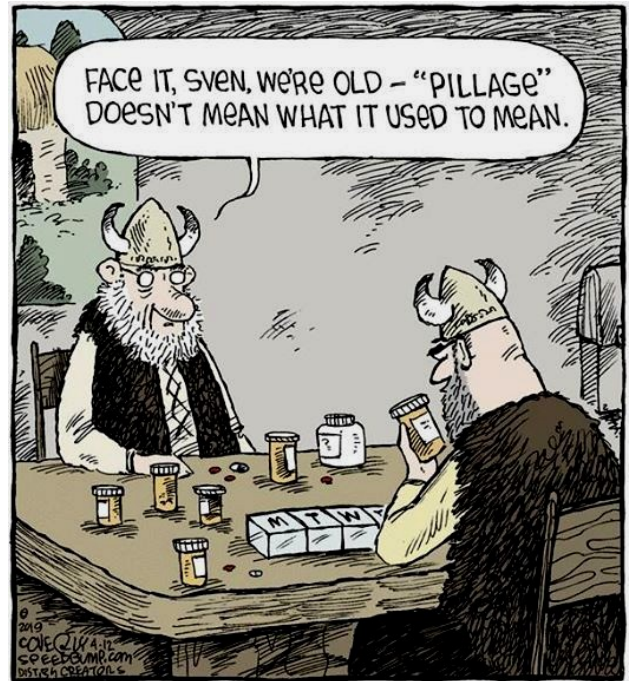


Day 18 of lock down. Filled the dog with helium.



Yesterday, I met a girl who runs a battery kiosk at our local park. Yes, that's right.

She sells C cells down by the seesaw!



# MERIDEN AMATEUR RADIO CLUB

## OFFICERS OF MARC

PRESIDENT.....W1YSM ED SNYDER  
 VICE PRES.....KB1JL ERIC OLSSON  
 SECT.....K1STM ANNE WEST  
 TRES.....K1WJL DAVE SWEDOCK  
 STATION A.M..K1RCT ROB CICHON

MEETINGS: NORMALLY  
 7:30PM ON THE 2ND & 4TH THURSDAYS  
 OF THE MONTH,  
 UNLESS OTHERWISE POSTED,  
 THE HOPE HILL ROAD FIREHOUSE / EOC  
 143 HOPE HILL ROAD, WALLINGFORD  
**ALL MEETINGS ARE CANCELLED  
 UNTIL FURTHER NOTICE**

MAILING ADDRESS:  
 MERIDEN AMATEUR RADIO CLUB  
 POB 583, MERIDEN CT. 06450

## CLUB NETS

6 MTR NET MONDAYS 8PM  
 50.175MHZ N1ZN JIM

2 METER NET TUESDAYS 7:30PM  
 147.36 /RPT NO PL K1TDO TODD

10 METER NET TUESDAYS 8PM  
 28.375MHZ K1VDF JOHN

10/10 CASTLE CRAIG CHAPTER  
 (CONCURRENTLY WQITH CLUB NET)  
 28.375MHZ TUESDAYS 8PM N1API AL

2 METER TECH NET Weds 7:30PM  
 147.360+, no PL  
 WEEKLY NET MODERATED BY VARIOUS  
 AMATEURS WITH DIFFERENT TECHNICAL  
 TOPICS AND Q&A SESSION

2 METER COFFEE CUP NET SAT 9AM  
 147.36+ NO PL W1YSM ED  
 (THIS HAS ALSO A SIMULTANEOUS  
 SECONDARY NET OF SORTS THROUGH  
 THE VIDEO TELECONFERENCING  
 W1NRG JITSI SITE)

## MEMBERSHIP ROSTER

AB1DQ	James Surprenant	22	N1GNV	John Bartscherer	20
AB1HB	Charlie Dudac	20	N1GY	Geoff Haines	21
AF1HS	Art Fregeau	20	N1KGY	Chuck Ayers	20
K1IIG	Steve Tripp	20	N1MOB	Dan David	20
K1JCF	Joe Farrell	20	N1NAN	Helen Spokes	20
K1LHO	Mike Ash	20	N1OKF	Bob Parisi	20
K1LYP	John Yusza	20	N1OKR	Frank Ciccone	20
K1MMK	Mike MacKennedy	20	N1POP	Greg Ploski	20
K1RCT	Rob Cichon	20	N1QYB	William Wilecki Jr.	20
K1SCI	Stuart Isaac	20	N1YLN	Edward O'Lena	20
K1STM	Anne West	20	N1ZN	James Savage	20
K1TDO	Todd Olsen	20	NZ1J	Dave Tipping	22
K1TGX	Jerry Molaver	22	W1AJK	Andrew Kazimer	20
K1VDF	John Blevins	20	W1DQ	John Elengo	20
K1WJL	Dave Swedock	20	W1EDX	Paul Stasieluk	20
KB1CIW	Bob Stephens	20	W1KKF	Bill Wawrzeiak	L
KB1EHE	Eric Knight	20	W1KPS	Kevin Shields	20
KB1FYL	Bob Carruthers	20	W1LV	Steve Morley	20
KB1HCC	Jonathan Winslow	20	W1NHS	Fred Ring	20
KB1IFZ	Elsie Mathews	20	W1NNZ	William Kosche III	20
KB1JL	Eric Olsson	20	W1POP	Fred Liedke	21
KB1MFU	John Ramadei	21	W1ST	Stephen Stimpson	20
KB1SIT	Teresa Stephens	20	W1UFO	Mike Cei	20
KB1SSN	Alex Dills	20	W1XK	Stan Kugler	19
KB1TJD	Gainne Jenkins	20	W1YSM	Ed Snyder	22
KB1TMC	Clare O'Lena	20	WA1FFT	Ray Irwin	20
KB1YFJ	Glen Couture	20	WA1JKR	John Rogus	21
KC1DOY	Ted Renzoni	20	WA1SFH	Douglas Sharafanowich	20
KC1GMD	Ralph Ring	20	WA1TRY	Rich Aubin	L
KC1HDB	Jeff Martin	28	WA1ZVY	Jim Martin	20
KC1HFO	John Stoidis	20	WB1GGP	Jerry Shepard	20
KC1IIK	Scott Mowerson	20	WB1GYZ	Bob Biancur	20
KC1IIL	Matt Mowerson	20Y	WB8IMY	Steve Ford	20
KC1ISI	Kristin Olsson	20	WV2LKM	Steve Waldmann	20
KC1KQH	John Kasinskas	20	W9OTW	Debbie Foss	20
KC1MBG	Robert Luby	20		Ron Rogers	20
KC1SA	Stephen Allen	21			
KE1AU	Robert Kaczor	20			
KE1AV	Dave Sanford	20			
KE1AY	Donald Mitchell	20			
KR1U	Bob Eslinger	20			
N1AKN	Jeff Dwyer	20			
N1API	Al Kaiser	20			
N1BF	Patrick Dionne	21			
N1BRL	Bart Toftness	20			

## MEMBERSHIP STATS

TOTAL MEMBERS.....82  
 REGULAR(UNDER65).....39  
 SENIOR(OVER 65).....40  
 LIFE.....2  
 STUDENT(UNDER 18).....1

WEBSITE: (USE LOWERCASE)  
[www.w1nrg.com](http://www.w1nrg.com)

### FORUM / BBS:

[www.w1nrg.com/forum/](http://www.w1nrg.com/forum/)  
 or go to website and follow links

### CASTLE CRAIG 10-10 WEBSITE:

go to [www.w1nrg.com](http://www.w1nrg.com)  
 and follow the links

CLUB REPEATER W1KKF/R  
 147.36MHZ +600 OFFSET  
 NO PL TONE (OPEN REPEATER)

### CLUB DUES STRUCTURE (JAN-DEC)

UP TO 64 YRS OF AGE--\$20/YR  
 SENIOR DISCOUNT 65 & UP--\$15  
 ANY MEMBER WHO IS A LICENSED HAM,  
 18 & UNDER WILL BE GIVEN FREE DUES.

KEY KLIX EDITOR DAVE SWEDOCK K1WJL  
 CONTACT [DSWEDOCK@GMAIL.COM](mailto:DSWEDOCK@GMAIL.COM)  
 203 235-8582

