



MERIDEN AMATEUR RADIO CLUB

1947 - 2023

MAY 2

2023

OFFICIAL MAILING ADDRESS, MERIDEN AMATEUR RADIO CLUB, POB 583, MERIDEN CT 06450 PRES W1YSM ED SNYDER VP KB1JL ERIC OLSSON SECT N1BRL BART TOFTNESS TRES KC10YN RICK BECKER S.A.M. K1RCT ROB CICHON

KEY KLIX EDITOR —DAVE SWEDOCK K1WJL

DSWEDOCK@GMAIL.COM 203 235-8582

Meriden Amateur Radio Club Group | Facebook | MeridenARC@groups.io | Messages | W1NRG Forum

ALL BUSINESS & ACTIVITY MEETINGS WILL BE CONDUCTED ON ZOOM & IN-PERSON AT THE OEM..
HYBRID EVENTS(ZOOM & IN-PERSON MEETINGS) WILL BE ANNOUNCED AS SOME ACTIVITIES MAY HAVE
TO BE CONDUCTED ON ZOOM ONLY.

OFFICIAL MAILING ADDRESS,
MERIDEN AMATEUR RADIO CLUB, POB 583, MERIDEN CT 06450

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.



WEBSITE: www.w1nrg.com

FORUM / BBS:

www.w1nrg.com/forum/
or go to website and follow links

CASTLE CRAIG 10-10 WEBSITE: go to www.w1nrg.com

and follow the links

CLUB REPEATER W1NRG/R 147.36MHZ +600 OFFSET TONE 162.2

Wallingford Amateur Radio Group Emergency Communications

MARC OFFICERS

PRESIDENT



W1YSM ED

VICE PRES.



KB1JL ERIC

SECRETARY

N1RRI RART

TREASURER

KC10YN RICK





K1RCT ROB





PRESIDENT'S COLUMN, MAY 2023 KEY KLIX

FACE TIME** IS COMING BACK

** No reference to an Apple program

We will resume face-to-face Business Meetings at the OEM on Thursday May 11, 2023, at 7:00 pm (1900 ET). It will be a hybrid meeting.

Some of you may be wondering why it's taking so long to get back to the OEM for face-to-face business meetings. The reality is that many MARC members are still concerned about COVID-19, and the potential for becoming sick. They appropriately fear COVID because of health concerns related to themselves, loved ones living in their home, or relatives or friends who are medically vulnerable and with whom they may interact. However, with that risk becoming less and less, there is a clamor for us to get back to face-to-face meetings at the OEM, like in the "good old days".

However, this raises another concern that many club members have gotten used to attending meetings by Zoom, and they like it. Also, some people don't like to drive in the dark anymore and in the upcoming months it will get cold. Basically, some people will always prefer to work or take meetings from their home. With this in mind, the idea of a hybrid meeting arose – specifically having both in-person and Zoom meetings occurring together.

There has been an ongoing and concerted effort made by the Club officers to try to set up hybrid meetings. This has not been an easy task. A big problem with Zooming into an in-person meeting is that it can be very difficult for the at-home attendee to see people, and to see who is talking, unless the video camera(s) are set up properly. Even more of a problem is the audio quality. Even if the cameras are set up adequately, poor audio can make it very, very difficult to hear what anyone is saying. The result is a huge level of frustration which leads to anger and that leads to loss of the audience.

We have had a few failed experiments with Jury-rigged set ups where someone brings a microphone and someone else has an old camera and an old computer – these have not worked well. Accordingly, we are now working with a commercial firm to get a professional AV system set up in the OEM that will allow us to use Zoom and allow the home-folk to actually hear and see what is going on at the OEM. Financing will come from various sources, including MARCONI grant dollars being reassigned to the Served Agencies Program --- the Served Agency being the Town of Wallingford. MARC can use the system for meetings and amateur radio training, as can the Town for Fire Dept, Health Dept and Social Services Dept training sessions. Also, other radio clubs and members of MARC could Zoom into the OEM on Saturday am, to hear and see Dave NZ1J's electronic technical talks, etc. Importantly, this set up – if fiscally feasible for MARC, will allow us to continue to have hybrid meetings into the Fall and Winter months – it won't be warm forever. MARC can also reach out – under Part II of the MARCONI grant, to other clubs for training purposes throughout the year. The other Clubs can Zoom into our meetings, as appropriate. This is an important part of the concept of "paying the rent" – an admonition promulgated by a beloved prior MARC member Chris Sievert, WA1VXH (SK) who reminded us we need to give back to the Town of Wallingford to show our gratitude for being able to call the OEM our home. We hope to be able to have a system installed by June. In the interim will be using the dreaded Jury-rigged system with a series of wireless microphones and a camera or two and someone's computer - Swell. We hope it will work, and we apologize in advance if the acoustics will be less than optimal. With MARC growing by leaps and bounds, and we need to have a professional A/V system in the OEM. So please bear with us. As officers we hope that the club will be understanding as we try to work through the issues. Again, we will resume face-to-face Business Meetings at the OEM on Thursday May 11, 2023, at 7:00 pm (1900 ET). It will be a hybrid meeting.

We have much to offer amateur radio – but first, they need to hear us, and see us.



Secretary Report & Minutes of the Meriden Amateur Radio Club Bart Toftness N1BRL, Sect.

BUSINESS MEETING APRIL 13, 2023 ZOOM

Meeting was called to order by President Ed Snyder, W1YSM at 19:05 EDT

Normal introductions were omitted as most attendees (45) are self-identified in 'Zoom' N1BRL, K1VDF, WB1GYZ, KE1AU, K0OZ, N1BRI, K1WJL, N0HIO, NZ1J, W1YSM, KB1JL, KB1RHQ, WJ1B, W1IKW, KC1PYT, N1ZN, WA1ZVY, K1JCF, N1LES, N1GNV, KC1KQH, W1BJG, K1LHO, KB1MFU, KC1QLS, KC1QWH, KC1ISI, KD0BMW, N1API, WA1FFT, WA1TRY, KC1OCS, KC1OYN, K1RCT, W1RCI, KC1RBY, KC1NQE, WB1GFI, WV2LKM, KC1DOY, W1DQ, W1EDX, WB1DQT, Spencer Rygiel and Lucas Molloy.

Silent Key Ceremony for KE1AY (SK) Don Mitchell was conducted by W1YSM

<u>Announcements</u> (W1YSM), business meetings at 7PM will be live and in person at the OEM with a hybrid Zoom complement starting in May. A street sign for FCC License Exams and Skywarn classes is being considered. The radio room is available on Sundays by appointment, contact any officer for details. Wearing of name badges with call signs is encouraged. KC1DOY has name/call sign badges ready for distribution. The Governor proclaimed CT Amateur Radio Recognition Week for April 16 -22.

<u>Secretary's Report</u> (N1BRL), the March Business meeting minutes were approved by a majority vote. Seven new members were each approved for membership Gene Caputo KB1RHQ, Jeffery Gazso KC1PYT, Marty Crandall-Arela KD0BMW, Lucas Molloy, David Koerner N0HIO, John Collin Jr. N1JRC and Stan Hiriak WB1GFI. There was no additional correspondence to report.

<u>Treasurer's Report.</u> was read by Rick KC1OYN. The complete Treasure's report included a review of MARC finances and membership dues from 139 members. The QSL Manager KA1AU requested \$10 to fund the QSL Bureau. A vote to approve this will be during next month's meeting. The complete report is available to members upon request to the Treasurer.

<u>Station Manager's Report</u> (K1RCT), The Station Activity Manager reported increased Saturday morning activities at the OEM. The computers, operating systems and software are all updated. The assembly of the portable satellite system as part of the MARCONI Project is complete. Testing is in progress. The 'POTA" style satellite system should be ready for use by Field Day. The full Station Activity Manager's report is available upon request.

<u>Standing Committees.</u> The April activity meeting is expected to be a presentation on a balloon launch by Ray KC1QLS. May will be Field Day Plans and July will be 'Lark in the Park'.

The scholarship applications are due.

<u>Other Activities.</u> A new and refresher CW class is forming with room for everyone. K1LHO encourages everyone to visit the radio room to explore the many contests, QSO parties or simply get on the air. Suggestions for revisions to the Constitution/Bylaws are due by the end of April. All of the club's on the air nets continue to be active.

<u>Continuing Business</u> The monthly VE Sessions continue to attract multiple examinees both new and upgrades. WARG/EMCOM has monthly training sessions for CERT. The recent presentation was about food safety in a shelter settings presented by KC1ISI. The Education Initiative will have Technician license classes in the fall in cooperation with the Park & Rec Dept. It is expected to be 8 weeks, ending with a VE Session for the members of the class. Communications Initiative N1GNV reports progress on a resolution to the various issues with the reflector, website and the Forum. This is complicated and moving slowly with the goal of a lasting solution.

<u>Projects (New and Continuing)</u> The MARCONI Project with its 7 components is moving forward with most of the documentation completed and ready for submission to the ARRL. W1YSM and N1BRL visited NARL (Newington Amateur Radio League) to show them how some of our activities could be used by them to help re-invigorate their club and increase membership.

The weather balloon project will kick off with a presentation by KC1QLS at the April 27 Activities Meeting. Financial support could come from an ARRL Club Grant. Upcoming Served Agencies events include MS Walk in Cheshire May 7, HITW Gang Bike Event May 13, perhaps participation in 'Closer to Free' in New Haven in Sept., and the Wallingford/YMCA 5K in Oct.

K1RCT is planning a spring ham flea market event and Field Day assignments are proceeding.

SKYWARN Training will be May 17 with online registrations.

W1YSM has secured approval to reallocate some unused MARCONI funds to purchase audio video equipment to facilitate our hybrid meetings with Zoom.

A complete list of this year's activities for MARC was distributed to members via the Reflector.

Voting Summary for the April meeting

March meeting minutes were approved.

7 new members were each approved, KB1RHQ, KC1PYT, KD0BMW, N0HIO, N1JRC, WB1GFI and Lucas Molloy. The majority voted to approve the motion to place the \$10 QSL funding request on next month's agenda Meeting was adjourned at 21:03, Respectfully submitted, Bart Toftness, N1BRL



General Announcement Train to Be a SKYWARN Storm Spotter

- Only Class for 2023 is May 17th.

<u>All ARES MEMBERS</u> are encouraged to take The National Weather Service SKYWARN Spotter Training Program and get their SKYWARN Spotter Number and Card.

SKYWARN Storm Spotter Training Program 2023 (in person only) is being offered in MAY for the folks in the following Counties in Connecticut served by NWS NYC:

Fairfield, New Haven, Middlesex, New London

What is SKYWARN?

SKYWARN™ is a nationwide network of volunteer weather spotters who report hazardous weather to local National Weather Service (NWS) offices. Amateur radio operators and weather observers, generally operating through local organizations, are ideally equipped to contribute to the SKYWARN™ program.

Volunteers are trained by NWS personnel to recognize features associated with rapidly developing, mature, and dissipating thunderstorms which cause hazardous weather. SKYWARN™ spotters also provide reports of heavy snow, heavy rain and flooding.

Spotters provide ground truth on the atmosphere that we observe from radar, satellites and various reporting stations. They are our eyes and ears, helping to provide better forecasts and warnings to the Tri-State Region.

NEW LOCATION:

Wallingford Library (See: "WHERE")DATE: Wednesday - May 17, 2023.

TIME: 7pm – 10pm (Eastern) WHERE: NEW LOCATION!!!

Wallingford Public Library - (Community Room)

200 N. Main Street, Wallingford, CT 06492

COST: FREE

BUT... Registration is Required

To Register, go to: https://www.weather.gov/okx/SkywarnTraining

DON'T MISS IT! REGISTER TODAY.

It is 2 weeks away!

This is the the ONLY in-person training classs for 2023 for the CT Counties served by NWS NYC (Brookhaven)

Already, 75 people have registered for this class

There is still room! (MAX Capacity is 120)

If you have questions, please contact:

Ed Snyder, SKYWARN Emergency Coordinator - New Haven & Middlesex Counties

W1YSM@arrl.net

Sponsored by:

The Meriden Amateur Radio Club (MARC)

www.w1nrg.com/

73,

Douglas Sharafanowich - WA1SFH



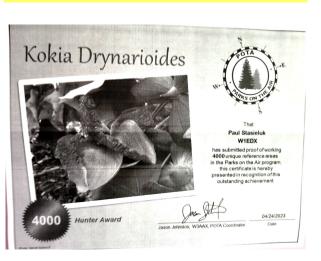


Eric KB1EHE was a featured speaker, author, and futurist at the annual CrimeCONN mystery writer's conference in Stamford. Attendees were interested in Eric's perspective in AI and tools such as ChatGPT, and how these new technologies may affect their livelihood. He also talked about his in-work book *Silicon Sentience: How a new form of evolution is creating the next us*. Eric said he's about 45 chapters into writing another book in the action-thriller genre: *Terror at 12.5 Degrees*. For a sneak peek, you can read the first two chapters here: www.TerrorNovel.com.

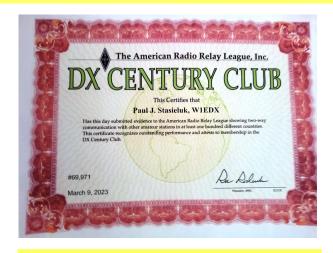
PAUL W1EDX PROUDLY DISPLAYS SOME OF HIS AWARDS FROM THE ARRL, THE POTA GROUP AND THE CULINARY SOCIETY OF POLICE DEPT'S



WORKED ALL STATES VIA THE ARRL



WORKED 4000 POTA STATIONS VIA POTA



WORKED 100 COUNTRIES VIA THE ARRL



WORKED ALL DONUTS VIA THE DX POLICE ASSOC..

WHERE IS THE WORKED ALL C ROISSANTS???

There will be NO Coffee Cup Net On Saturday May 13.

The frequency will be in use by the Club for the Hole in the Wall Pedal for Pies Bike Event. MARC will be providing communications.

VE SESSIONS AT THE OEM, 143 HOPE HILL ROAD WALLINGFORD EVERY 2ND SATURDAY, NEXT ONE IS SATURDAY MAY 13TH 2023

WB1GYZ IS STARTING A NEW CW CLASS FOR ANYONE INTERESTED

New CW code course forming for beginners and for those wishing to increase their speed.

Beginner: Starting April 17th every Monday. Sign-in on Zoom at 7:15pm class begins 7:30 for about an hour or so. April 18th every Tuesday, for a refresher and higher CW speed/accuracy. We'll also discuss adding additional evenings to suit the class.

Zoom Room 83594942316 PW 569899

MARC CALENDAR OF EVENTS AMAY 2023

MAY 11......MARC BUSINESS MEETING 7:00PM AT THE OEM & ZOOM...

MAY 13.....VE SESSION AT THE OEM

MAY 13.....HOLE IN THE WALL BIKE RUN/ NO COFFEE CUP NET AS W1NRG WILL

BE USED FOR COMMUNICATIONS FOR EVENT

MAY 17.....SKYWARN TRAINING AT WALLINGFORD PUBLIC LIBRARY

MAY 25.....ACTIVITIES MEETING 7:00PM THE ACTIVITY IS HIGH ALTITUDE

BALLOONS WITH RAY CIRMO KC1QLS ON ZOOM

SATURDAY MORNINGS AT THE OEM FROM 9AM (+/-) SUNDAY MORNINGS FOX HUNTS VIA NZ1J & K1RCT...

WE WELCOME THE FOLLOWING NEW MEMBER WHO WILL BE WERE VOTED IN AT THE MAY. BUSINESS MEETING
N1NGV KEVIN GALLAGHER

HOPE HE DOES CHECK INTO NETS SAYING N1NGV IN MILFORD, THE CENTER OF THE UNIVERSE...

Ham Radio and Ballooning

KC1QLS Ray Cirmo

For those that were able to attend April's activities meeting, I spoke about the possibility of tying ham radio and ballooning together to do some things from a higher altitude. Several of you have sent emails and links to videos that I have taken the time to review.

To get the ball rolling I want to get a feel for how many people would like to participate in this activity. If you are interested please REPLY to this email with your name, callsign and best email address to reach you. REPLY to me only, there is no need to do a REPLY ALL. Even if you have already reached out to me, please respond to this email.

As I had mentioned in the meeting, this is more about ham radio and furthering our knowledge than it is about ballooning. My hope is these projects prove to be:

- Educational
- Fun
- Help raise awareness of the hobby and its possibilities
- Help to grow club membership
- Can be used as a joint experience with other clubs
 - Can serve as an outreach to schools in the area.

As a first project I am proposing a deep dive into the WSPR (Weak Signal Propagation Reporter) protocol, ultimately sending a board to a higher altitude to communicate back as it makes its way some distance around the globe.

■ We will spend time learning about:

An off-the-shelf WSPR board (very low mass and low power).

WSPR protocol.

Embedding information into the WSPR communications packets that is not normally sent.

Using the tracking software provided by the manufacturer.

Creating a dipole for 20 meters (very low mass).

Using a solar panel for power (very low mass). Understanding power down and power up as the system passes through day and night.

Understanding the effects of low temperature on our electronics and solar panel efficiency.

Selecting a balloon for the project and the gas to fill it.

Implementing a design for our platform and balloon to withstand atmospheric conditions and provide the lift needed.

Understanding the physics of balloon flight and the parameters we select for our flight and how thisaffects the type and amount of gas used, etc.

Monitoring/simulating flights based on real time weather data.

Launching and monitoring our system.

This is not meant to be a weekend project. This is a project that will take time and dedication on the part of those who decide to participate. I am very excited to get this project underway and look forward to working with a number of you in the club.

Ray

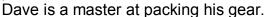
KC1QLS

raymond.cirmo@gmail.com

MARC MEMBER NEWS

Club members were active May 7th with the New England QSO Party and the Sunday fox hunt. Both activities centered in the town of Durham. Dave, NZ1J, was the fox that day. In addition to that, he also set up a station with John Bee, N1GNV, in order to work the NE QSO Party.

Both of these activities were run from the parking lot behind the Coginchaug Regional High School in Durham. They worked Nebraska, Minnesota and Florida with an inverted V antenna set up in the median between the parking spaces. The fox transmitters were located adjacent to this at Dave's car. A picture of Dave's trunk shows how much gear he brings to set up for a fox hunt. It's a small car but







"I'm excited to be hosting my first ever ham radio Net. Following in the tradition of the coffee cup net, the Sunday brunch net will be an open forum over the air get together. This net will be held on the KB1MMR repeater located in the Middletown area. I've have had much success reaching this repeater with just my HT from both the Middletown and Wallingford areas.

So please Join me Sundays at 12 PM EDT on the KB1MMR Repeater.

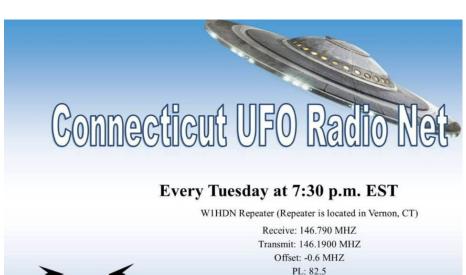
446.92500 -5.00 MHz FM Tone 77.0

Learn more about the Net at sundaybrunchnet.com

73, KC1QWH Stephen Rygiel



I caught my son chewing on electrical cords.
So I had to ground him.
He's doing better currently.
And conducting himself properly ...





AB1DQ JAMES, OUR RESIDENT WEEKEND WARRIOR OF KIT BUILDING DISPLAYS HIS LATEST WORK...

This repeater is on Echolink: NODE is 146790 W1HDN-R
This repeater is used for SKYWARN. If a SKYWARN net is activated we
will not have the Connecticut UFO Radio Net. A cancellation notice will

www.mufonct.com

be posted on our Facebook page and website ONLY







MERIDEN AMATEUR RADIO CLUB/W1NRG CLUB ACTIVITIES



WWW.W1NRG.COM

DAY	TIME (ET)	BAND	FREQ (MHz)	NCS	NAME	TYPE	WHEN
MONDAY	2000 – 2100	6M	50.175	N1ZN - JIM	6M NET	OPEN DISCUSSION	MONDAY
TUESDAY	1900 -2000	2M REPEATER	147.36 PL=162.2	K1TDO - TODD	2M NET	OPEN DISCUSSION	TUESDAY
	2000 - 2100	10M	28.375	N1API - AL	CASTLE CRAIG 10-10 INTL.	OPEN DISCUSSION	TUESDAY
WEDNESDAY	1830 – 2000	ZOOM	*ID: 835 9494 2316 *Passcode: 569899	NZ1J - DAVE	Electronic Circuits	CIRCUIT DISCUSSION	WEDNESDAY
THURSDAY	1930 – 2030	2M and ZOOM	147.36 PL=162.2 *ID: 973 7062 5198 *Passcode: 889386	AB1DQ - JAMES	2M TECH NET	TECHNICAL/ LECTURE	1 ST & 3 RD THURSDAY
	1900 - 2030	-	ZOOM	W1YSM - ED	MARC BUSINESS MTG	BUSINESS MEETING	2 ND THURSDAY
	1930 - 2100	ZOOM	*ID: 925 1153 2783 *Passcode: 000377	W1YSM - ED	MARC ACTIVITIES MTG	TECHNICAL/ LECTURE	4 TH THURSDAY
FRIDAY	-	•	-	-	-	-	-
SATURDAY	0900 - 1000	2M REPEATER	147.36 PL=162.2	W1YSM - ED	COFFEE CUP NET	OPEN DISCUSSION	SATURDAY
	1100 - 1300	VARIABLE	VARIABLE	NZ1J – DAVID	FOX HUNT POTA/SOTA/OTA's	Tx Hunt Activations	SATURDAY
SUNDAY	1930 - 2030	ZOOM	*ID: 932 5667 9514 *Passcode: 686029	OPEN	ELMER'S SHACK	NEW HAM SUPPORT	SUNDAY
	OPEN SCHEDULE ~ 0800 - 1600	VARIABLE	VARIABLE	K1RCT- ROB	FIAB (FOX IN A BOX)	HIDDEN Tx Hunt	SUNDAY
DAILY	19:30 - 20:30	ID 835 9494 2316	Passcode 569899	WB1GYZ - BOB	CW CLASS	LEARN CW	DAILY

^{*} values subject to change, see http://www.w1nrg.com/website/index.html for current values

3/10/23 Rev 10

Elmer's Shack The perfect place start or learn more about ham radio

Sunday evenings @ 7:30 PM we have "Elmer's Shack" on Zoom where we offer support for new and prospective hams. During this meeting experienced hams are available to answer questions on a variety of topics. No question is too simple or obvious for this net. Zoom Meeting *ID: 932 5667 9514; *Passcode: 686029

Tech Net

1st & 3rd Thursdays @ 7:30 PM are "Tech Net" Zoom presentations on various technical topics by members and outside guest presenters. Zoom Meeting *ID: 973 7062 5198; *Passcode: 889386

MARC Activities Meeting

4th Thursday is the monthly MARC Activities Meeting. These meetings are usually conducted at our club facility however during COVID restrictions they are on Zoom. They include presentations, discussions or hands on activities. Similar but different from the Tech Net. *ID: 925 1153 2783; *Passcode: 000377

Coffee Cup Net

Every Saturday morning from 9:00 to noon we have an open house at our club facility. It's an informal activity where hams gather and talk about various topics of interest, catch up on what's going on with each other, drink some coffee, eat donuts and bagels, get a radio repaired or programed or simply operate one of the stations rigs. The Coffee Cup Net was born out of necessity due to COVID. Not being able to gather at the club instead we bring our own coffee and donuts to the repeater and catch up on things with each other. All are welcome at the club facility but of course you need to be a ham to use the repeater, now W1NRG/R @ 147.36 PL 162.2

MARC Business Meeting

2nd Thursday is the club business meeting held at the club facility or on Zoom as needed by COVID. Open to all members. **Fox Hunts, POTA/SOTA/OTA's**

Saturday is the timed live 'Fox Hunt' when one member hides with transmitters and everyone uses radio direction finding techniques to find him. At the fox we discuss the details of the hunt. Sunday is a do it yourself search for the fox in a box, no rush at your leisure. Several members participate in Parks On The Air/Summits On The Air/ and various On The Air activations.

*All Zoom ID's and Passcodes subject to change, see http://www.w1nrg.com/website/index.html for current values

The Contest Scene de NN1DX Bob

There are quite a few good contests coming up in the next month. VOLTA WW RTTY Contest is a good one and if you are a CW person there is lots of short one hour CW Contests (CW Ops Test). CQ WWWPX Contest at the end of May is always fun! There is one 10-10 Contest also that is a good club participation contest! There are two ARRL Contests in June. The Digital contest and then the ARRL June VHF Contest which will round out the contests for the next 30 days!

73 and see folks in the contests. De Bob - NN1DX

May Contests

May Contests

CW ops Test	1300Z-1400Z, May 10	https://cwops.org/cwops-tests/
CW ops Test	1900Z-2000Z, May 10	https://cwops.org/cwops-tests/
CW ops Test	0300Z-0400Z, May 11	https://cwops.org/cwops-tests/
CW ops Test	0700Z-0800Z, May 11	https://cwops.org/cwops-tests/
NCCC RTTY Sprint	0145Z-0215Z, May 12	https://ncccsprint.com/rttyns.html
VOLTA WW RTTY Contest	1200Z, May 13 to 1200Z, May 14	http://www.contestvolta.com/rules.pdf
50 MHz Spring Sprint	2300Z, May 13 to 0300Z, May 14	https://sites.google.com/site/springvhfupsprints/
CW ops Test	1300Z-1400Z, May 17	https://cwops.org/cwops-tests/
CW ops Test	1900Z-2000Z, May 17	https://cwops.org/cwops-tests/
Walk for the Bacon QRP Contest	0000Z-0100Z, May 18 and 0200Z-0300Z, May 19	https://qrpcontest.com/pigwalk20/
NAQCC CW Sprint	0030Z-0230Z, May 18	http://nagcc.info/index.html
CW ops Test	0300Z-0400Z, May 18	https://cwops.org/cwops-tests/
CW ops Test	0700Z-0800Z, May 18	https://cwops.org/cwops-tests/
NCCC RTTY Sprint	0145Z-0215Z, May 19	https://ncccsprint.com/rttyns.html
EU PSK DX Contest	1200Z, May 20 to 1200Z, May 21	https://eupsk.club/eupskdx/eupskdxrules.pdf
Arkansas QSO Party	1400Z, May 20 to 0200Z, May 21	http://www.arkqp.com/
Run for the Bacon QRP Contest	2300Z, May 21 to 0100Z, May 22	http://qrpcontest.com/pigrun/
QRP ARCI Hoot-Owl Sprint	0000Z-0100Z, May 22	http://qrparci.org/contest/hoot-owl-sprint
RSGB FT4 Contest	1900Z-2030Z, May 22	https://www.rsgbcc.org/
CW ops Test	1300Z-1400Z, May 24	https://cwops.org/cwops-tests/
CW ops Test	1900Z-2000Z, May 24	https://cwops.org/cwops-tests/
CW ops Test	0300Z-0400Z, May 25	https://cwops.org/cwops-tests/
CW ops Test	0700Z-0800Z, May 25	https://cwops.org/cwops-tests/
RSGB 80m Club Championship, CW	1900Z-2030Z, May 25	https://www.rsgbcc.org/
NCCC RTTY Sprint	0145Z-0215Z, May 26	https://ncccsprint.com/rttyns.html
CQ WW WPX Contest, CW	0000Z, May 27 to 2359Z, May 28	https://www.cqwpx.com/rules.htm
CW ops Test	1300Z-1400Z, May 31	https://cwops.org/cwops-tests/
CW ops Test	1900Z-2000Z, May 31	https://cwops.org/cwops-tests/

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June Contests

Walk for the Bacon QRP Contest	0000Z-0100Z, Jun 1 and 0200Z-0300Z, Jun 2	https://qrpcontest.com/pigwalk20/
CW ops Test	0300Z-0400Z, Jun 1	https://cwops.org/cwops-tests/
CW ops Test	0700Z-0800Z, Jun 1	https://cwops.org/cwops-tests/
PODXS 070 Club 3 Day Weekend Contest	0000Z, Jun 2 to 2359Z, Jun 4	http://www.podxs070.com/
NCCC RTTY Sprint	0145Z-0215Z, Jun 2	https://ncccsprint.com/rttyns.html
10-10 Int. Open Season PSK Contest	0000Z, Jun 3 to 2400Z, Jun 4	https://www.ten-ten.org/
Kentucky QSO Party	1300Z, June 3 to 0100Z, Jun 4	http://www.kyqsoparty.org/rules/
ARRL Inter. Digital Contest	1800Z, Jun 3 to 2400Z, Jun 4	https://contests.arrl.org/dig/
CW ops Test	1300Z-1400Z, Jun 7	https://cwops.org/cwops-tests/
CW ops Test	1900Z-2000Z, Jun 7	https://cwops.org/cwops-tests/
CW ops Test	0300Z-0400Z, Jun 8	https://cwops.org/cwops-tests/
CW ops Test	0700Z-0800Z, Jun 8	https://cwops.org/cwops-tests/
NCCC RTTY Sprint	0145Z-0215Z, Jun 9	https://ncccsprint.com/rttyns.html
ARRL June VHF Contest	1800Z, Jun 10 to 0259Z, Jun 12	http://www.arrl.org/june-vhf

June Contests

Walk for the Bacon QRP Contest	0000Z-0100Z, Jun 1 and 0200Z-0300Z, Jun 2	https://qrpcontest.com/pigw
CW ops Test	0300Z-0400Z. Jun 1	https://cwops.org/cwops-tes

MEMBERSHIP ROSTER

AB1DQ	James Surprenant	26 R	KC1TAD	Tom Dipinto	23 R
AB1HB	Charlie Dudac	23 S	KC2MLH	Adam Castracane	23 R
K0OZ	Brian Boccuzzi	23 S	KC3UKG	Storm Murrell	23 R
K1BTR	Bryan Ragaini		KD0BMW	Marty Crandall-Grela	
K1DMS	Dave Sack	23 S	KE1AU	Robert Kaczor	
K1JCF		24 S	KE1AY	Donald Mitchell	
		_			
K1LHO		23 S	KO4EEL	Tom Williams	
K1LYP		24 S	KR1U	Bob Eslinger	23 S
K1MMK	Mike MacKennedy	27 R	KS1WK	Seth Kolasinski	23 R
K1MTD		23 S	KX1USA	Rob Messercola	23 R
K1MVM	Mike Macri	23 S	N0HIO	David Koerner	23 R
K1PET	Debbie Purchia	23 R	N1AKN	Jeff Dwyer	23 S
K1RCT	Rob Cichon	23 R	N1API	Al Kaiser	24 S
K1SCI		23 R	N1BRI	Brian Beegan	_
K1STM		23 S	N1BRL	Bart Toftness	
K1TDO		23 R	N1FNE	Rod Lane	24 S
_		-			
K1TGX	Jerry Molaver		N1GNV	John Bartscherer	
K1VDF		23 S	N11NGV	Kevin Gallaghe	
K1WJL	Dave Swedock		N1GY	Geoff Haines	25 S
K4AVM	Andrew Olsson	23 R	N1IBE	Wade Martell	23 S
KA1BED	Bill Green	24 R	N1JEO	Joel Corneal	23 S
KA1KJV	Bob Trussell	23 S	N1JMX	Jeff Martin	28 R
KB1EHE	Eric Knight	23 R	N1JRC	John Collin Jr.	_
KB1HAX		23 R	N1LES	Joe Murray	23 R
KB1IFZ	Elsie Mathews	-		Bob Parisi	23 R
			N1OKF		
KB1JL		23 S	N1OKR	Frank Ciccone	
KB1KTZ	Carl Fosse	23 S	N1XXU	Andy Purchia	
KB1LWS	Jeanne Gherardi	23 S	N1YLN	Edward O'Lena	23 R
KB1MFU	John Ramadei	24 R	N1YLO	Andrew Fiertek	23 R
KB1PZS	Robert DelGreco	23 R	N1ZN	Jim Savage	24 S
KB1RHQ	Gene Caputo	23 R	N2RTS	Tyler Schroder	23 R
KB1TBL	Dave Laliberte	23 R	N2TAG	Dave Taglianetti	
KB1TMC		23 R	NA1L	Dale Clift	23 R
KB1TTV	Jonathan Martin		NA2AA	David Minster	-
KB1YFJ	Glenn Couture		NN1DX	Robert Munro	-
KC1DOY		23 S	NR1B		23 S
_				Bill Huggins	
KC1HQX	Preston Byrne		NZ1J	Dave Tipping	23 R
KC1ISI	Kristin Olsson	-	UT3UY	Anatoly Kirilenko	23 R
KC1KQH	John Kasinskas		W1AJK	Andrew Kazimer	23 R
KC1MEB	Bean Lefebvre	23 R	W1BJG	Judy Wilkins	24 R
KC1MJZ	Michael Berube	23 R	W1BOB	Bob Lobley	23 R
KC1NQE	Shawn Warren	23 R	W1DQ	John Elengo	23 S
KC1NRD	John Lujick	23 S	W1EDX	Paul Stasieluk	23 S
KC1NXP	Andy Paolillo	23 R	W1IKW	lain K White	23 R
KC10CF	Karl Polak	23 S	W1LV	Steve Morley	23 S
KC10CS	Richard Dewick		W1POP	Fred Liedke	23 S
KC10GL	Paul Randazzo	24 S	W1PRK	James Procaccini	
KC10WD	Kevin VanKeuron		W1RCI	Ron Isaac Jr.	23 R
KC10YN		23 R	W1TK	Ronald Wakefield	-
KC1PBQ	•	23 R	W1UFO	Mike Cei	23 R
KC1PEN	David Henry	23 R	W1UKX	Greg Gherardi	23 S
KC1PHK	Lincoln Nichols	Υ	W1YSM	Ed Snyder	24 R
KC1PSM	Elizabeth VanNostrand	23 R	W2OFR	Mark Dickson	23 R
KC1PU	Bob Woodtke Jr.	23 R	W3APC	James Cook	23 S
KC1PXX	Dave Alfredson	23 R	WA1EXA	Mark Petruzzi	23 S
KC1PYT	Jeff Gazsc	23 R	WA1FFT	Ray Irwin	23 S
KC1QHO	Mike Beaudry	-	WA1JKR	John Rogus	24 S
KC1QLS	•			_	
	Ray Cirmo	23 S	WA1K	Jack Chapman	23 R
KC1QQV		23 R	WA1MAC	Paul Clark	23 S
KO1J	Randy Whitehouse		WA1RAB	Bob Martha	23 S
KC1QWH		24 R	WA1SFH	Douglas Sharafanowich	23 R
KC1RBY	Sergio Frutuosa		WA1TRY	Rich Aubin	L
KC1RHB	Jared Martin	23 R	WA1ZVY	Jim Martin	28 S
KC1RLQ	Eric Barbour	24 R	WB1CLT	Steve Duess	23 S
KC1SA	Stephen Allen	23 R	WB1DQT	Bill Bacon	23 S
KC1SLV	Joshua Wrinn		WB1GFI	Stan Hiriak	23 S
KC1TAD		23 R	WB1GYZ	Bob Biancur	23 S

(C1TAD	Tam Dininta	22	ь
	Tom Dipinto		
C2MLH	Adam Castracane	23	R
C3UKG	Storm Murrell		
			<u>.</u>
(D0BMW	Marty Crandall-Grela		
(E1AU	Robert Kaczor	23	S
(E1AY	Donald Mitchell		
(O4EEL	Tom Williams	23	S
(R1U	Bob Eslinger	23	S
(S1WK	Seth Kolasinski		
(X1USA	Rob Messercola	23	R
OHIO	David Koerner	23	R
11AKN	Jeff Dwyer		
	Jen Dwyer	23	3
N1API	Al Kaiser	24	S
N1BRI	Brian Beegan	24	R
11BRL	Dowt Toffware	25	
	Bart Toftness		
11FNE	Rod Lane	24	S
N1GNV	John Bartscherer	23	S
111NGV	Kevin Gallaghe	r 2	3K
N1GY	Geoff Haines	25	S
N1IBE	Wade Martell		
N1JEO	Joel Corneal		
N1JMX	Jeff Martin	28	R
N1JRC	John Collin Jr.		
N1LES	Joe Murray	23	К
N10KF	Bob Parisi	23	R
	Frank Ciccone	23	D
N1XXU	Andy Purchia		
11YLN	Edward O'Lena	23	R
N1YLO			
	Andrew Fiertek	23	r
N1ZN	Jim Savage	24	
N2RTS	Tyler Schroder	23	R
12TAG	Dave Taglianetti		
NA1L	Dale Clift	23	
IA2AA	David Minster	23	R
N1DX	Robert Munro		
	Kopert Marino	24	
IR1B	Bill Huggins	23	
NZ1J	Dave Tipping	23	R
JT3UY	Anatoly Kirilenko	23	
V1AJK	Andrew Kazimer		
V1BJG	Judy Wilkins	24	R
V1BOB	Bob Lobley	23	D
	DOD LODIES	23	
V1DQ	John Elengo		
V1EDX	Paul Stasieluk	23	S
V1IKW	lain K White	23	
V1LV	Steve Morley	23	
V1POP	Fred Liedke	23	S
V1PRK	James Procaccini	23	S
V1RCI	Ron Isaac Jr.	23	
V1TK	Ronald Wakefield	23	R
V1UFO	Mike Cei	23	R
V1UKX	Greg Gherardi		
V1YSM	Ed Snyder	24	R
V2OFR	Mark Dickson	23	R
V3APC	James Cook	23	
VA1EXA	Mark Petruzzi	23	S
VA1FFT	Ray Irwin	23	
VA1JKR	John Rogus	24	
VA1K	Jack Chapman	23	R
VA1MAC	Paul Clark	23	
VA1RAB	Bob Martha	23	
VA1SFH	Douglas Sharafanowich	23	R
VA1TRY	Rich Aubin	L	
			c
VA1ZVY	Jim Martin	28	
VB1CLT	Steve Duess	23	S
VB1DQT	Bill Bacon	23	S
VB1GFI	Stan Hiriak	23	
VR1GV7	Rob Riancur	23	C

WJ1B Harold Kramer 24 S WV2LKM Steve Waldmann 23 S xKB1HEA Loreen Heavens 23 R Spencer Rygiel Υ Dave Devito 23 S **Lucas Molloy** Υ

