

MERIDEN AMATEUR RADIO CLUB

KEY KLIX

1947 - 2020



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

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

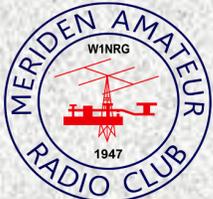
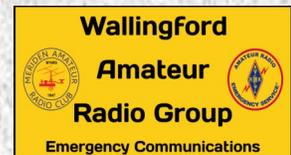
KEY KLIX EDITOR DAVE SWEDOCK K1WJL DSWEDOCK@GMAIL.COM 203 235-8582



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

**IN THESE TROUBLED TIMES, LET US REMEMBER TO WISH
OUR FAMILY & FRIENDS.**

HAPPY PASSOVER APRIL 8 TO APRIL 16
HAPPY EASTER WEEK APRIL 5 TO APRIL 12
HAPPY RAMADAN APRIL 23 TO MAY 23



**JUST THINK...IT WAS ONLY A FEW WEEKS AGO THAT ALL WE WERE CONCERNED WITH
WAS THE LACK OF SUNSPOTS... HOW THINGS CHANGE IN AN INSTANT..**

**ALL PUBLIC GATHERINGS INCLUDING MARC MEETINGS HAVE BEEN CANCELLED UNTIL
FURTHER NOTICE.**

THE OEM HAS BEEN TEMPORARILY (WE HOPE) APPROPRIATED BY ITS PARENT ORGANIZATION, WLFD HEALTH DEPT AS AN AUXILIARY OFFICE. WE CANNOT USE THE FACILITIES UNTIL FURTHER NOTICE.

WITH THAT IN MIND WE ARE ADAPTING TO VIDEO CONFERENCING USING THE JITSI APPLICATION, AN EXCELLENT ARTICLE IS ENCLOSED BY ERIC KB1JL. THE BUSINESS MEETING OF THURSDAY APRIL 9, AT 7:30 PM WILL BE HELD VIA A CONFERENCE CALL HOSTED BY JITSI.

IN THE ADDRESS BAR OF YOUR BROWSER TYPE IN [HTTPS://MEET.JIT.SI/W1NRG](https://meet.jit.si/W1NRG) (I USED CAPS BUT YOU DO NOT HAVE TO). ROB K1RCT WILL SEND OUT AN EMAIL AND A PASSWORD FOR THAT SESSION ON THURSDAY. I SUGGEST YOU TRY THIS FIRST AS IT WILL TAKE A BIT TO GET USED TO. THIS ALSO SUPPOSEDLY WORKS FOR TELEPHONE / AUDIO CHECKINS ALSO...(HOPEFULLY)..

THE KEY KLIX WILL HAVE A SPECIAL MINI-EDITION FROM TIME TO TIME AS NEEDED AND WILL BE CALLED "KEY KLIX QRP".....

WE ARE SAD TO REPORT THAT LENNY GUERIA IS ONE OF THE WLFD RESIDENTS THAT HAS COME DOWN WITH COVIDS-19, HE IS SELF ISOLATING AT HOME AND FEELS BETTER BUT IS STILL COUGHING AND IS ON THE ROAD TO RECOVERY. WE ALL WISH HIM A SPEEDY RECOVERY.

DAVE NZ1J HAS ORGANIZED SOME NON-CLUB FOX HUNTS, STORIES AND PIXS INSIDE.. ALL HAD A GREAT TIME, CABIN FEVER WAS BROKEN!!!!



SAMUEL MORSE RIDES AGAIN

On May 24th 1844, in a demonstration witnessed by members of Congress, Samuel FB Morse sent a telegraph message from the US Capitol to Alfred Vail at a railroad station in Baltimore. The message was "What Hath God Wrought". Taken from Numbers 23:23, the phrase was suggested to Morse by Annie Ellsworth, young daughter of a friend. That message referred to the leap in technology which was about to change the world as they knew it in 1844. The same phrase can be applied to our current pandemic, in 2020.

Fact is, we are not sure what is being wrought around us as I write, and as you (hopefully) read this. We do know that a new corona virus is among us --COVID-19. COVID-19 is a cousin of the SARS virus and 2nd cousin twice-removed from the good old Flu (H1N1), MERS, and Ebola. And it is among us – with a vengeance. Charles Darwin said organisms when faced with change have three choices – Adapt, Migrate or Die. I prefer Adapt. When this pandemic is over, however, we will be different as a nation and as a world; much as they were the next day, on May 25th, back in 1844.

Seeing "old" videos of sporting events with thousands of spectators seated shoulder-to-shoulder spreading cheers among each other, as opposed to viral particles, seems truly weird. "Old" being what happened only a few weeks ago. We will get back to a new normal and maybe it will be better. Along the road to recovery, however, there will be many problems to face including isolation, loneliness and depression.

Amateur radio, per se, can provide some solace, but we should not forget we are a Club and we can help each other cope during these times. We have seen a series of activities being developed, both in-person (foxhunts and virtual (Nets). These activities serve to ensure that we maintain contact with each other to help us all get through this. Depending on the nature of the Net, some check-in to talk about their latest contesting, building project, antenna woes, or recent QSO, while others discuss medical issues, what they did during the day, their animals and plans for future activities.

Each member can pick and choose what Net he/she wishes to check-in to. In addition to the traditional club Nets run by N1ZN, K1TDO and K1VDF (dates and times listed in Key Klix on the back, Information Page), we have new Nets. The Tech/Net meets on 147.36 on Wednesdays at 1930 ET, and a brand-new Coffee Cup Net meets Saturday at 0900 on 147.36, replacing the face-to-face (remember those days?), Saturday morning get-together at the OEM. The foxhunts though not Club sponsored, are popular and all folks participating are URGED to follow social distancing at all times *** and wear masks, use hand sanitizers, etc.

I plan to move to an electronic Club Business Meeting and even a virtual Activities Meeting for April for sure and (gulp, for May??). With help from Rob K1RCT, John K1LYP and Eric KB1JL, we will make the meetings available in both video and audio formats. Indeed, we may use the .36 Repeater and video chat services simultaneously. With the help of Dave K1WJL we are printing an additional mini-version of Key Klix (we might call it "Chirps") to provide photos and other info and musings to keep us connected mid-month, during these dark days. All this is being done in an attempt to reach out to, and to promote a feeling of camaraderie and friendship among as many club members as possible. Is all this as good as what we used to do? No, but it is at least something to get us through these bizarre and scary times, together.

When will this nightmare be over – I have no xtal ball. But, while we are waiting, keep using masks, washing hands for 20 seconds, socially distance*** (one λ for 200 MHz [1.5m] or 144 MHz [2.0m] your choice), use hand sanitizer and do not touch your face! We are strong and will survive. So, while we are still finding out what the Lord Has Wrought, keep in mind the words of a Persian Poet, "This too shall pass".

73,

Ed W1YSM
President, MARC

NEW Q-CODES QWH WASH YOUR HANDS

QWM WEAR A MASK

NET ETIQUETTE IN THE COVID-19 ERA: and BEYOND

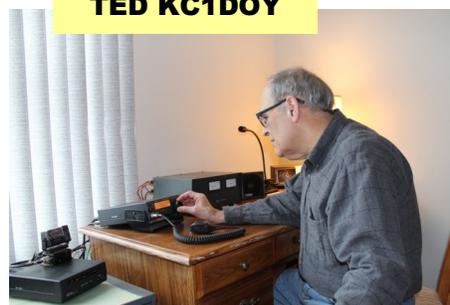
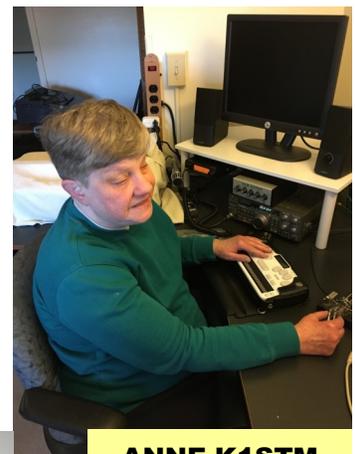
With the increased presence of Net traffic during the COVID-19 Era, a reminder of how we should be comporting ourselves when checking into a net, might be timely. As Net check-ins can rise to over 20 hams at times, to speak for 3 minutes each = 60 minutes.

Check-ins who are number 18 and 19, accordingly, would have to wait close to an hour to speak. Please bear this in mind when you join one of the many Nets we now have, or those now substituting for face-to-face meetings. Also, NCS folks should remember to keep their comments crisp and succinct so that others can have time to speak. The following excerpt of a larger article on Repeater Etiquette (written by Dave K2DBK), may be familiar to some members, however, it is worth repeating. With larger check-ins we must be time-aware to ensure that all who participate will be able to speak. So please, keep your comments short.

The 3-minute timeout

- Our repeaters normally have a 3 minute "timeout" setting. The 3 minute length is meant as a maximum length, not a suggested length.
- It's considered good etiquette to keep your transmission length shorter than this, especially if there are a lot of people in a QSO, or during busy times on the repeater.
- If you exceed the 3 minute limit, the repeater controller will cut off your transmission, and when you unkey, you'll hear a message from the controller letting you know that you have timed out the repeater.
- The controller timer resets $\frac{3}{4}$ of a second after the transmitting station stops transmitting, so
- "quick keying" will mean that the length of your transmission is added on to the length of the previous transmission. In other words, if the person just previous to you speaks for 2 minutes and 45 seconds, at 16 seconds into your transmission you'll get cut off. This is to encourage users to leave a gap between transmissions.
- Intentionally dropping your carrier just long enough to allow the time-out timer to reset is considered extremely rude, since you are then monopolizing the repeater

Ed W1YSM
President MARC
W1YSM@arrl.net



APRIL EDITION OF WHO IS THIS??

AN IRRELEVANT CLUE....THE WHITE BARRACUDA IN THE BACKGROUND BELONGS TO A CLUB MEMBER



CIRCA 1980'S

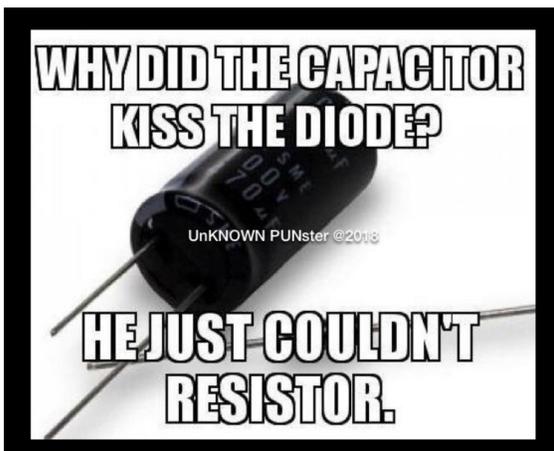
ANOTHER
IRRELEVANT
CLUE....
AS MUCH AS IT IS
HARD TO BELIEVE,
IT IS NOT
DAVE K1WJL !



ANSWER TO MARCH QUESTION.....IT IS A VERY YOUNG KB1JL (EX WA1CCR) SITTING AT THE HAM SHACK OF HIS LATE FATHER-IN LAW BILL HANNEL WA1MC1(WHO WAS ALSO A MARC MEMBER).
TNX TO KRISTIN KC1ISI FOR SUBMISSION TO THE KK...

NEW CODES FOR THE CORONA VIRUS ERA

- 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?
- QFC: I am flattening the curve.
- QHG: I need a hug.
- QSH: I am sheltering in place.
- QHS: I have hand sanitizer. Want to trade for two new cars?
- QSD: I am observing social distancing.
- QCV: I hate Coronavirus.
- QLO: I got laid off
- QKN: My kids driving me nuts.
- QMN: My wife driving me nuts.
- QSS: Need more sunspots, bands are dead
- QSR7: Shop-Rite has toilet paper in aisle 7
- QBM: Need toilet paper really quick
- QHN: Need help with kids homework
- QPZ: Need Pizza takeout
- QWH: Wash your hands
- QWM: Wear your mask
- QGH: Whose got hydroxychloroquine ?



Video teleconferencing by KB1JL

MARC has been forced to adapt video teleconferencing due to the stay at home voluntary quarantine, and town/state restrictions on gatherings of more than 5 people. Many business and organizations, churches, and government agencies have jumped aboard the video bandwagon. There are many choices out there, Zoom, Jitsi, Google Hangouts, Cisco webx, MS teams, Skype and others in addition to one on one apps like Facetime, Duo and others. Video conferencing is a great way to stay in touch with friends and family.

After some research and experimentation, **MARC** has chosen the Jitsi platform. It is free, open source, versatile, and seems to do all the things the other options do. Jitsi has been around since 2003 and is an open source non profit project, No one will datamine your participation and sell that data. Zoom has been mentioned as an alternative, but its sudden popularity has exposed many issues and vulnerabilities, which are currently being addressed now by Zoom staff. More on Jitsi here: <https://jitsi.org/jitsi-meet/>

The Jitsi Meet conference can be accessed with any device with a web cam, microphone and WebRTC capable browser. This includes most laptops, tablets, and cellphones these days. If you have a camera for your desktop PC, use it. If you dont have a camera, you can still join the room with audio only or dial in by phone. There is a provision to turn on/off your camera and your microphone at any time during the meeting. There are no time limits to Jitsi meetings.

A few things about operation. Good lighting helps provide a good video feed. Lighting should be in front of operator or to one or both sides (3 point). An environment free of ambient background noise is best, and will not be distracting to other participants. Wear headphone, earphones or earbuds if you can. Gaming headsets are ideal. This prevents feedback heard by others if you have your speakers too loud,

Dialing in by phone to the posted phone number and room code does work, but it may take 2 or 3 tries to get in. The club room will be password protected. Jitsi does have apps for android and iOS, but all you need to do is paste the link into your browser. Chrome is preferred but others work.

The link and password will go out via the club reflector before the meeting. We recommend trying the link it before the Thursday meeting. Go to the site, enter a random generated room or create your own room name. Make sure your video cam and audio microphone works. You will need to give Jitsi permission to access it. Look at the controls on your screen.

Bottom left: Screen share, raise your hand, chat

Bottom center Microphone on/off, Leave meeting (red), camera on/off

Bottom right: Toggle tile view, room link info, more actions. One the 3 dots (bottom right) is to enter your name and/or callsign, to be seen by other participants. Hover over any screen icon and it will provide more info.

This is a very basic instruction article. More info available at the Jitsi website and the club officers can help with any questions. We have been using this for a month now, and it seems to do the job. We also have the capacity to stream the meetings on Youtube.

Good luck and see you Thursday night.

KB1JL

(Editors note from K1WJL, according to KB1JL you do not need to download any software From the Jitsi site, it will work by accessing the link that Rob K1RCT provides along with the Password)



A Tale of Two Fox Hunts



All of the social restrictions imposed due to the pandemic have left us with a lot of hams who have time on their hands. As one might expect, this can lead to building antennas and searching for hidden transmitters. About a dozen local amateurs, and quite a few XYLs, got involved in Fox Hunting in the past few weeks. You will probably recognize a lot of these hams in the photos.

The two Fox Hunts, held on consecutive Saturdays, allowed for only individual participants and teams made up of close family members. Each participant hunted independently and maintained a 2 meter separation from everyone else at all times. That only makes sense considering that the Fox was transmitting on frequencies in the 2 meter band.

The first hunt involved four square miles of search area and gave us all some practice under relatively easy conditions. The second hunt covered eight square miles and the Fox (me) thought that six transmitters and six antennas might be just what was needed. Except for a few minutes of unexpected technical difficulty with one of the transmitters, the hunters had lots of signals to work with.

Unfortunately, with the social distancing rules in effect, it's not too easy for anyone to just tag along on a hunt and learn some of the art of direction finding. But, if anyone wants to join a future hunt, you can be successful with some minimal equipment. KB1JL and WB1GYZ have both been consistent top place finishers and have not used elaborate equipment. However, I am now beginning to suspect that they are both Jedi's.

I hope that we local hams have more of these hunts and that some more hams join us. When things return to normal, I expect we'll have some official, club sponsored Fox Hunts as well.

Dave NZ1J



MATT KC1IIL & SCOTT KC1IHK



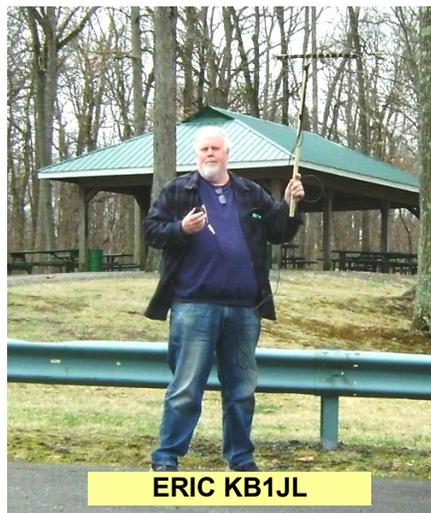
TED KC1DOY



JOHN KB1MFU



JOHN KC1KQH



ERIC KB1JL



DAVE NZ1J AKA THE FOX



ROB K1RCT... ANTENNA IS HIDDEN IN HIS CAP



BOB WB1GYZ



JEFF N1AKN



JOHN K1LYP



HOW TO CATCH A FOX (without really trying).

I set out on Saturday morning (28 March) for the foxhunt set up by Dave, NZ1J. He was nice enough to provide a map of the 4 square mile area that he'd be working in. This was described by a circle on a map of Wallingford.

Being new to foxhunting and not having had much time to test my antenna, I decided that the best way to proceed was to start in the middle of the circle thus cutting my search area down to a 2 mile radius. Seeing that Choate Rosemary School was just about at the center, I set my GPS for that location to begin my search. I arrived there about 14 minutes before the 11AM start time only to find Dave (the fox) at the side of the road! He was afraid that some of the participants wouldn't receive any signal at all if too far out so he moved to the center.

While I suppose that I can claim the (very unofficial) title of "first to find the fox" it was not what we had in mind. In order to salvage the morning I set out to distance myself from the area and use it as an opportunity to test my antenna in the field. I went from getting a good signal/good direction to nothing at all (although that may have been during the low power transmission).

Meeting back at Choate while maintaining social distancing, we all checked in and are looking forward to doing this again. Thanks to Dave, NZ1J, for giving us this release from cabin fever in these trying times!

73,
Ted KC1DOY



THE WB1GYZ FILES

Bob Biancur WB1GYZ



BART TOFTNESS N1BRL

Bart Toftness N1BRL, (formerly KA1EOX novice call 1978) was a CB'er until discovering ham radio. Due to work and family commitments he put his new radio hobby on hold until he could devote more time.

In the interim Bart became interested in growing pumpkins...not ordinary backyard variety, but really big gourds. He once grew a competition pumpkin weighing 1539 pounds. Such a huge plant requires an area of 750 square feet or about 24 x 30 plot, so he is limited to two on his residential lot. Ideally, a single plant requires 1,000 square feet. He starts seeds indoors on April 15th and after two weeks transplants them outdoors to electrically warmed soil inside protective structures.

Competition pumpkins require daily feeding, watering, and many hours of maintenance. In June growers carefully transfer pollen from select plants "because pumpkins aren't very promiscuous." He says that doing so ensures selective traits for next year's crop. Bart quips that he knows growers who got so competitive that they sold their home and relocated to a better growing locale. He has also attended auctions where a highly sought single seed sold for eighteen-hundred dollars, though typically, good seed can be had for much less. Bart likes doing things in a big way and continued doing so until an injury precluded heavy lifting. That change of circumstance brought him full circle to where he left off with ham radio, and as luck would have it, inherited his fathers Collins 32V1 transmitter and complementary receiver.

Soon after, he received an invitation from MARC, joined the club, upgraded to Extra and celebrated by clearing a space on his desk to accommodate a Kenwood 590SG. Bart enjoys working weak-signal mode FT-8 in the absence of good band conditions. It took him only 9 months to work all states and DXCC using FT-8. He also enjoys SSB and has recently decided to learn CW.

Bart was an associate of research for 45 years at Yale School of Medicine. He worked with radio isotopes doing cancer research, the department of physiology where he was involved with red blood cell membrane potentials, and did cataract lab experiments in the department of ophthalmology. While still at Yale, he ran the epilepsy research lab for the VA, finally retiring in 2012.

Bart and his wife Cindy reside in Wallingford.

Bob, WB1GYZ



To say that C-19 has not affected my personal lifestyle would be inaccurate. However, I go to work at 6AM, get out at 5PM, take part of Radio Nets, joke with friends, poke fun at & decompress with Family, worry about extended Family & Friends, fill my gas tank every two weeks, keep an eye on my #2 Home Heating Oil tank, take out my trash, give snacks to my Cat, interact with Club Members, engage in Fox Hunts, the list goes on. What has changed?

My family members are at home and I am working every day. I can attest that it is weird for me to be the only person up at 5AM in my house! My house is usually (outside of C-19) a hub of activity at 5AM. We usually argue and fight for bathroom time! Usually, four times a month I commute with my wife to work in Newington. Not now. And I have shaved my sideburns & jowl hair from my face so that I may use an N95 or P95 mask better.

I now have a 30YD roll-off in my driveway for a week or two to clear out the house of unused winter (and before) stuff and an attempt to keep my non-working offspring occupied and to clean-up the property. I don't go to the EOC on Saturdays. I don't look forward to engaging in Contesting from the EOC since I cannot. I worry about Lenny. I set up Teleconferencing connections for Club Members. I volunteer for WARG deployments.

At work, I have three fifty five gallon drums of 99% Isopropyl Alcohol directly behind me. That is just a little un-nerving. I call them my 1.5kT bomb. I fill 2.5G carboys of 70% solution for each department head every two days or so. I strictly follow spacing guidelines at work. I have chapped hands due to extra washing and sanitizer use. Every year for the last five I have played golf in our Company League. I am contemplating NOT playing this year.

Recently (Friday last) the Company I work for, Hanwha Aerospace USA (RC) announced a plan to close this Thursday, Friday, Saturday & Sunday for deep cleansing by Vendor. To date we do not have an Employee that has been diagnosed infected with C-19. However, recently a very important Customer has begged off a contractual purchase. Albeit temporary, for how long? And what defines temporary? Why do I think this is a prelude to a longer closure? Time will tell I suppose.

My job mandates wise use of down-time. Even though production time is now being reduced, Maintenance time should inversely increase. We should soon have sufficient time to service machines and make-ready for production needs. Will that happen?

Personally I maintain contact with friends and family via phone, SMS text and Social Media, I find Social Media convenient. Sometimes only a phone call will do. FB, Instagram & Twitter: I am 90% irreverent on Social Media but THAT is a sport for me. I will not change that. I have to laugh at you all and myself! I keep sanity doing that, YMMV.

I look forward to seeing Lenny being practical and formal, to raucous Business Meetings, to worrying about Members not using the gear properly, to checking the antennae from the back door at the EOC, to John Yusza making obscure rules for Jeopardy for Hams, to putting away notepads at the CSRR in the hopes that Operators will only use N1MM+ for contacts, to Saturday breakfast sandwiches and coffee at 8AM at the EOC. I know we will have a return to the 'Regularly Scheduled Program' at MARC/WARG but for me it cannot come (back) soon enough.

My fear is only this: Not all of these things will return.
Your SAM, K1RCT Rob.

INFORMATION PAGE

MERIDEN AMATEUR RADIO CLUB

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,
 AT THE HOPE HILL ROAD FIREHOUSE / EOC
 143 HOPE HILL ROAD, WALLINGFORD

KEY KLIX EDITOR DAVE SWEDOCK K1WJL
 CONTACT DSWEDOCK@GMAIL.COM
 203 235-8582

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 K1TDO TODD

10 METER NET TUESDAYS 8PM
 28.375MHZ K1VDF JOHN

10/10 CASTLE CRAIG CHAPTER
 CONCURRENTLY WITH CLUB NET
 28.375MHZ TUESDAYS 8PM N1API AL

CLUB DUES STRUCTURE (JAN-DEC)
 UP TO 64 YRS OF AGE--\$20/YR
 SENIOR DISCOUNT 65 & UP--\$15
 ANY LICENSED HAM, 18 &
 UNDER WILL BE GIVEN FREE
 DUES

WEBSITE: (USE LOWERCASE)
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 W1KKF/R
 147.36MHZ +600 OFFSET
 NO PL TONE (OPEN REPEATER)



AB1DQ	James Surprenant	22	KC1HFO	John Stoidis	20	W1KKF	Bill Wawrzeniak	L
AB1HB	Charlie Dudac	20	KC1IHK	Scott Mowerson	20	W1KPS	Kevin Shields	20
AF1HS	Art Fregeau	20	KC1IIL	Matt Mowerson	20Y	W1LV	Steve Morley	20
K1IIG	Steve Tripp	19	KC1ISI	Kristin Olsson	20	W1NHS	Fred Ring	20
K1JCF	Joe Farrell	20	KC1KQH	John Kasinskas	20	W1NNZ	William Kosche III	20
K1LHO	Mike Ash	20	KC1MBG	Robert Luby	20	W1POP	Fred Liedke	21
K1LYP	John Yusza	20	KC1SA	Stephen Allen	21	W1ST	Stephen Stimpson	20
K1MMK	Mike MacKennedy	20	KE1AU	Robert Kaczor	20	W1UFO	Mike Cei	20
K1RCT	Rob Cichon	20	KE1AV	Dave Sanford	20	W1XK	Stan Kugler	19
K1STM	Anne West	20	KE1AY	Donald Mitchell	20	W1YSM	Ed Snyder	22
K1TDO	Todd Olsen	20	KR1U	Bob Eslinger	20	WA1CT	Paul Stasieluk	20
K1TGX	Jerry Molaver	22	N1API	Al Kaiser	20	WA1FFT	Ray Irwin	20
K1VDF	John Blevins	20	N1AKN	Jeff Dwyer	20	WA1JKR	John Rogus	21
K1WJL	Dave Swedock	20	N1BF	Patrick Dionne	21	WA1SFH	Douglas Sharafanowich	20
KB1CIW	Bob Stephens	20	N1BRL	Bart Toftness	20	WA1TRY	Rich Aubin	L
KB1EHE	Eric Knight	20	N1GNV	John Bartscherer	20	WA1ZVY	Jim Martin	20
KB1FYL	Bob Carruthers	20	N1GY	Geoff Haines	21	WB1GGP	Jerry Shepard	20
KB1HCC	Jonathan Winslow	20	N1KGY	Chuck Ayers	20	WB1GYZ	Bob Biancur	20
KB1IFZ	Elsie Mathews	20	N1MOB	Dan David	20	WB8IMY	Steve Ford	20
KB1JL	Eric Olsson	20	N1NAN	Helen Spokes	20	WV2LKM	Steve Waldmann	20
KB1MFU	John Ramadei	21	N1OKF	Bob Parisi	20	W9OTW	Debbie Foss	20
KB1SIT	Teresa Stephens	20	N1OKR	Frank Ciccone	20		Ron Rogers	20
KB1SSN	Alex Dills	20	N1YLN	Edward O'Lena	20			
KB1TJD	Gainne Jenkins	20	N1ZN	James Savage	20			
KB1TMC	Clare O'Lena	20	NZ1J	Dave Tipping	22			
KB1YFJ	Glen Couture	20	W1AJK	Andrew Kazimer	20			
KC1DOY	Ted Renzoni	20	W1DQ	John Elengo	20			
KC1GMD	Ralph Ring	20						

THERE MAY BE A MONTH OR TWO
 TIME LAG FOR DUES TO BE SHOWN
 AS PAID. INQUIRE WITH THE TRES.
 K1WJL TO VERIFY...