

MERIDEN AMATEUR RADIO CLUB

1947 -- 2021

KEY KLIX

APRIL 2021



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

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Welcome to the following new members

Voted in at the April Business Meeting:

KX1USA Bob Messercola, KC2MLH Adam Castracane, KC1OYR Brent Moyer, KC1OYN Rick Becker, KC1OWN / KB1LWS Jeanne Gherardi, W1UKX Greg Gherardi, KC1OYM Brian Boccuzzi, and KC1OSR Gunner Steidle .

And welcome to the following scheduled to be voted in at the May Business meeting:

N1FNE Rod Lane, K1RMA Don Richards, KC1P?? Lincoln Nichols(K1RMA's Grandson & 14 Yrs old), Randy Rilvest KC1PBQ and Mary Duval K1MTD...

Membership will be at 110 members and growing ,growing, growing...(hope that's not a copyrighted phrase by a cabinet maker??)...

VE Sessions at the OEM... Next one is tentaviley set for Saturday June 12

We are back at the OEM for Saturday morning monthly VE Sessions... Covid restrictions are still in place until further notice so continue to wear those masks and social distancing....

May Business & Activities sessions.....still on ZOOM although there is light at end of tunnel. Business meeting Thursday May 13....agenda and ZOOM credentials have been sent via Email....

Activity meeting Thursday May 27...Zoom...Gordon West WB6NOA talking on "Real Hams in Real Emergencies.... Info inside with ZOOM Credentials.....



WHY DO WE NEED ONE?

Membership is defined as being a member of a group. With the isolation imposed by the pandemic, among others, two facts emerge. First we are still here, and second we miss human companionship, even if we were house-bound with one or more significant other(s). I have made it a priority to have MARC offer various ways the Club could stay together – fox hunts, nets, various talk rooms on Zoom, VE sessions, etc. This has worked because the members, as I have said in this column multiple times, like and support one another. Not all clubs have been so fortunate - staying together, not to mention growing. Our Membership is now approaching 110.

I like to hang things on my wall. Most of us do. I have the usual “hamabilia”, QSL cards, call signs, awards, maps, net times, and conversion charts of various types. But nowhere is there a Certificate of Membership in the Meriden Amateur Radio Club. We have MARC/WARG signs – K1RCT uses the Club logo as virtual Zoom background, and I have 500 refrigerator magnets with the WARG black and yellow design (along with 500 boxes of crayons and logo branded pencils) – NO, I do not want to talk about it – but no membership certificate. Until now.

Working with Rob K1RCT, Bart NIBRL and Dave K1WJL, we now have a prototype I hope to roll out at the next Business Meeting. It will be as they say, “suitable for framing”. It will be online and can be printed on whatever stock or paper is desired. There will be radio buttons to insert your NAME and CALL SIGN and it will be signed by the current slate of officers. There will even be a wallet-sized version.

Swell, why do we need one. Well, I want (need?) to show the pride I have in being a member of this wonderful Amateur Radio Club. I wanted to be a ham since junior high school when Hallicrafter radios were sold new-in-box. I want to proclaim to those who enter my radio room, my ham shack in the yard, or my offices at work that I am a member of the Meriden Amateur Radio Club (in good standing). Hanging on the wall, the Certificate will remind me of the camaraderie and friendship that MARC engenders. It reminds me of the fun I can look forward to on the weekends or evenings when I turn on my FT-991A and pray the propagation gods are smiling. (I know Alaska KL7- is out there on SSB somewhere). It shows pride in our organization, it speaks to belonging to a group of friends with whom I enjoy “playing radio”, it helps to institutionalize MARC as an entity to be respected and admired. It in some fashion binds us all together.

Quite a heavy lift for an 8 1/2 x 11 piece of paper. Maybe I am just a sentimentalist and I place too much emphasis on something as simple as a piece of paper. But do not discount the symbolism and the impact such a Certificate has. It represents to my mind, a link to the other 109 (give or take) members and how as a Club, we are bound together through a love of radio. It might even bring back warm memories of our Dad, Mom, Uncle, Neighbor or Elmer who lit the spark of amateur radio inside us.

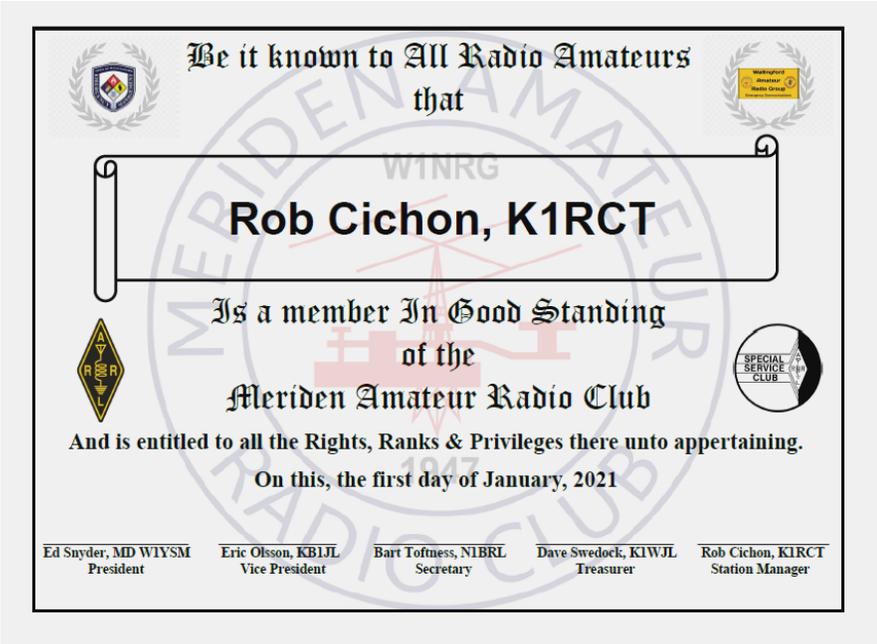
Yeah, to some it will be just a little scrap of paper, another dust collector, a waste of paper and ink. But for me it's, much more – maybe it will be for you, too.

So, think of this column next time someone says – “A Certificate of Membership in MARC – who needs it- who cares?”

73,
Ed W1YSM – President MARC



HERE ARE THE THREE PROPOSED PRELIMINARY DESIGNS OF OUR CLUB CERTIFICATE





Secretary Report & Minutes of the Meriden Amateur Radio Club

Bart Toftness N1BRL , Secretary

APRIL 8, 2021 BUSINESS MEETING

Secretary Report & Minutes of the Meriden Amateur Radio Club

Business meeting April 8, 2021 via Zoom videoconference

Meeting was called to order by President W1YSM at 1930 local

This month's business meeting was preceded by a Silent Key Net for Bill Wawrzeniak W1KKF on the club repeater, W1NRG. President Ed Snyder W1YSM was the Net Control Station.

This is W1YSM Ed for the W1NRG Meriden Amateur Radio Club; this is a Silent Key Net.

W1KKF this is W1YSM, over...

W1KKF this is W1YSM, do you copy? ...

W1KKF this is W1YSM, are you on frequency? ...

All stations on frequency be advised W1KKF Bill Wawrzeniak is now a Silent Key. His last transmission was on 2 April 2021. All stations on frequency please observe one full minute of radio silence starting now

This is W1YSM, 73 our dear friend, we'll see you down the log.

This is W1YSM for the W1NRG Meriden Amateur Radio Club, This Net is now closed.

Normal introductions were omitted as all attendees (40) are self-identified in 'Zoom', AB1DQ, KB1JL, KB1IFZ, KB1EHE, KC1OYM, KC1OYN, KC1DOY, KC1OYR, KC1KQH, KC1ISI, KC1OYZ, KC1OWN, KC1HDB, KC2MLH, KC1SA, KC1OSR, KE1AU, KE1AY, K1RCT, K1LHO, K1LYP, K1STM, K1JCF, K1WJL, N1LES, N1BRL, NZ1J, N1ZN, N1API, N1GNV, W1DQ, W1YSM, W1RCI, W1UKX, W1BOB, WA1TRY, WA1ZVY, WB1GYZ, WV2LKM, W3APC.

Announcements (W1YSM), this month's KeyKlix President's Column, a eulogy in memory of Bill W1KKF will be written by John, N1GNV. Condolences go to Dave K1WJL on the passing of his brother. Discussions on how to memorialize Bill will be done at a later date. COVID practices remain in effect for MARC activities. Upcoming activities include panel discussions with Larry W1AST talking about CT Day at the Big E for 2022, Cory KU1U talking about how to conduct virtual hamfest, and perhaps Gordon West in May. Arrangements are being made to secure the backup repeater from W1KKF's QTH.

Secretary's Report (N1BRL) approval of the March meeting minutes was tabled until next month.

N1BRL presented 8 applications for new membership, KX1USA Bob Messercola, KC2MLH Adam Castracane, KC1OYR Brent Moyer, KC1OYN Rick Becker, KC1OWN Jeanne Gherardi, W1UKX Greg Gherardi, KC1OYM Brian Boccuzzi, and KC1OSR Gunner Steinle which were each approved by a show of hands on Zoom and there were no objections. No correspondence to report, membership is now over 100 and a new Activities Table rev 5. will be sent to members.

An audio copy of the Silent Key Net is available from the club secretary on direct request.

Treasurer's Report (K1WJL) was read by Dave. Details are available from Dave upon request.

Station Manager's Report (K1RCT) Some of the items in the SAM Report were: EOC activity, use of PL on the repeater, Zoom account cost and utilization, and update equipment inventory.

The SAM report is available upon request.

OEM/EOC opening Building opening delayed until possibly May following appropriate COVID restrictions and sanitary procedures in the radio room.

Committees and working groups

Entertainment/Activities, – Nothing additional to report.

Technical , Occasional interference of unknown origin has been noticed on the repeater frequency.

Scholarship, Jim N1ZN reports the scholarship will be offered to Meriden students this year.

Publicity , – Nothing to report.

Repeater, – Repeater callsign was changed to W1NRG due to the FCC requirements following the passing of Bill W1KKF.

Continued on next page

In Other Activities, Saturdays are occupied with the Coffee Cup Net followed by fox hunts. The website continues to make incremental improvements, Field Day 2021 rules will be relaxed as they were last year, club nets continue every day except Friday on various bands, Castle Craig had nothing new to report, the station activities manager K1RCT reminded us there is a go box along with a Buddy Pole antenna system available for Over The Air events.

Instruction VE /Training KE1AY reports VE Sessions are scheduled for 10 April, 8 May and 12 June. Looking forward to returning them to the EOC, possibly in May. The new 'Welcome to the VE Session' handout is ready to get the test takers attention before the exam starts. The project to have preprogrammed HT's available to newly licensed club members is proceeding.

June 5th Flea Market at the EOC 8 AM is being planned for club members, details to follow
Certificate of Membership and business cards are being considered with an online template for individual member's use.

Condolences to Dave K1WJL, the KeyKlix editor, on a loss in the family. KeyKlix will be delayed.
WARG/EMCOM/Aux Com, Both the Fire Chief and the Police Chief have announced their retirements and replacements have not been made public.

Candy Store Gold Medal Ideas has updated the website along with a new URL.

Old Business Rob K1RCT offered his plan to categorize club equipment to facilitate its disposition.

New Business consisted of a New Ham/Member Oversight Program and club storage of archival documents.

Revert PL on input to "As Needed Basis". Approve SAM expense for Zoom Pro, FD 2021 suggestions.

Voting Summary for the April meeting

8 New members were affirmed by majority without dissent

March minutes approval was tabled until next month

Meeting was adjourned at 21:29

EVENT: MERIDEN AMATEUR RADIO CLUB (W1NRG) ACTIVITIES MTG

SPEAKER: GORDON WEST WB6NOA

TOPIC: Real Hams in Real Emergencies (title may be modified)

DATE/DAY THURSDAY MAY 27, 2021

TIME: 1930 – 2100 ET (7:30p – 9:00p)

MODE ZOOM CODE: 925 1153 2783 ; pwd 000377

ATTENDEES ALL WELCOME, NO NEED TO BE A MEMBER OF W1NRG

Welcome to Ham Radio Paradise *P49V Aruba Ham Radio Rental*

Here is your chance to enjoy the beauty of Aruba, and the world-class ham radio station built by Carl & Sue Cook, P49V & P40YL, now owned and operated by us (DL6RAI & DL2MLU).

The house and station are available for weekly rentals for up to 4 people, from January through December. Your rental fee includes use of the fully-equipped ham radio room and antennas for 6 through 160 meters.

For more information, please see the [House](#), [Ham Radio](#) and [Rates & Availability](#) pages, and be sure to see the [Photo Album](#). If you have any questions, please feel free to contact us.

Come and see what it's like to be DX!

73,

Ben, DL6RAI

Luise, DL2MLU



ARUBA: THE SEQUEL. Take a shot in 2022 at winning one of the world's biggest contests. A few years ago, a number of MARC members trekked to Aruba to operate the IARU HF World Championship contest from a QTH that wins many worldwide ham contests: Aruba's iconic P49V. See the fully equipped ham home and antenna farm here: www.p49v.com It took three years, but Eric KB1EHE and Elsie KB1IFZ have again arranged P49V for the 2022 IARU contest. And, like they did before, they intend to work with the local Arubian hams to activate P40HQ as a super-multiplier IARU Society Headquarters station...resulting in a continuous worldwide pileup and stream of contest points. The date of the contest is the weekend of July 9th (1200 UTC) to July 10th (1200 UTC), 2022. Eric and Elsie said that the days before and after are completely free for vacationing. Even during the contest, the team will be in shifts. So plenty of R & R time then, too. E & E said they've been to Aruba 22 times, so they know the island and fun spots very well. So if you'd like to explore the idea of a combination island vacation + DXpedition + contest (like an outrageous ham Oreo cookie), give E & E a shout. Even if you'd just like to learn more. They're just trying to gauge general Club interest at this time.



WB1GYZ BOB

Old-time static bleed/lightning arrestor.

Editors Question—

How many Ft-Lbs of torque required?

**THIS IS APRIL 16, 2021 AT WA1TRY'S QTH
IF IT WERNT FOR BAD LUCK,
HE'D HAVE NO LUCK AT ALL**





Tales of the Non-Sanctioned Fox Hunts



DAVE TIPPING NZ1J



LARRY K1AST & KEN KD1KU FROM SPRINGFIELD MASS.

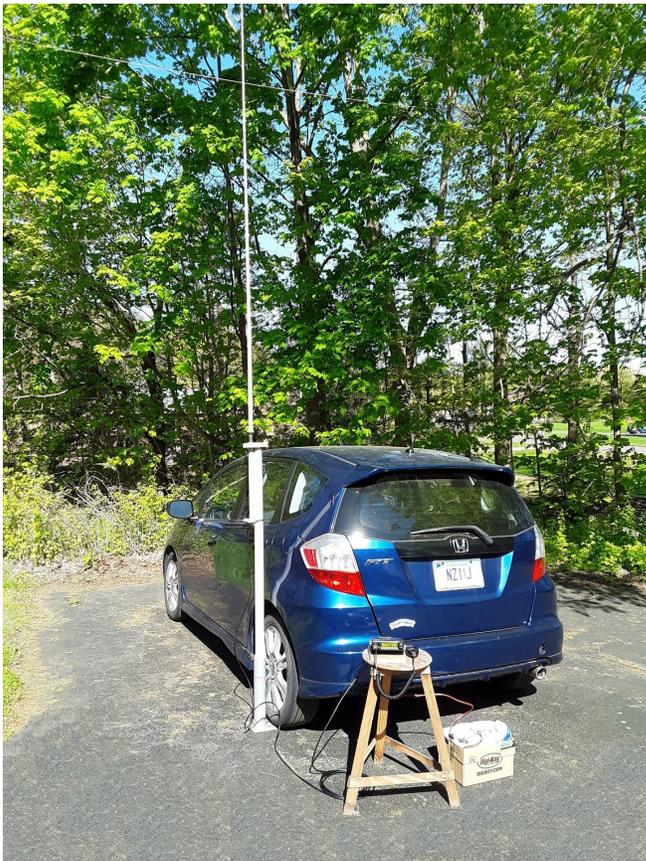


THIS IS JUST INSANELY BRILLIANT.. KUDOS TO K1RCT

Though we don't take as many photos as we once did, we are still hunting every Saturday and Sunday. In this past month, Joe, N1LES, Bob, WB1GYZ, and Bart, N1BRL, all took turns as the Fox. Also, Larry, W1AST, from Massachusetts, joined us for a hunt. That brings our 'guest list' to: Rod, N1RUU, Enfield Mark, KE1IU, East Lyme Chuck, NA1CN, Norwich Chip, N1MIE, Griswold Larry, W1AST, Longmeadow, MA And, I got the following from the Connecticut Fox Hunter email reflector. Rod regularly joins us for hunts in Wallingford. He's now activating a Fox Box, which is the fifth one in the Manchester area.
Dave NZ1J



I don't know if it's normal for some of us to collect a lot of radios, but I think we all know it's common. I've now got six transmitters just for Fox Hunting. Honestly, I feel a need for one or two more. I think that among all club members there are about fourteen Fox transmitters. At least if one fails we know there will be a spare available. And, at our next Fox Hunting 'Field Day', there will be plenty of transmitters to hunt. Dave NZ1J



We're using WB1GYZ's 5/4 wave antenna for the fox transmitter. The top of the antenna is fourteen feet off the ground. Though our coverage in Wallingford has been pretty good, this can only help.

I put a video on YouTube that demonstrates a Doppler type radio direction finder. <https://www.youtube.com/watch?v=mNqUKYkifOo> Lots of people have good luck Fox Hunting with a Yagi antenna, but I gravitate toward the Doppler system. NZ1J

YOUTUBE.COM

A Doppler Type 2 Meter Radio Direction Finder
This Doppler type direction finder is an alternative to the ...

KC1DOY TED'S BIG ANTENNA DAY





Years Past - MARC Activities

**WA1TRY
RICH AUBIN**

Ten Years ago in May, 2011

Activity meeting - Thurs, May 26th at 7:30 PM – Fox Hunting techniques and antennae.

Scholarship – (KE1AY) Ten applications received and being reviewed by the Scholarship Committee.

Club Activities & Program - (KB1CIW & KB1FYL-P&E Co-Chair)

NEQP was worked from MARC shack. Enjoyed by those in attendance. CQ-WPX-CW is planned for May (Memorial Day weekend). Bob KB1FYL discussed Activity Night plans: June – Field Day preparations July – Fox Hunting & Picnic – Hubbard Park. Future – possible QSLing techniques.

Castle Craig - (N1API-CM & CP) A busy year for 10/10 activity planned: 10/10 QSO parties: SSB Feb 5-6, 2011 & Aug 6-7, 2011; Digital Apr 23-24, 2010 & Nov 12-13, 2011; CW May 7-8, 2011 & Oct 15-16, 2011. Sporadic activity on 10 meters.

Membership - (KB1HCC) Fifty-three 2011 members more or less.

Instruction - (VE-KE1AY, Instruction Facilitator - Open) Spring tech class is cancelled. Tech class planned for Fall. We need additional VEs. Open book test for General and especially Extra class licensees.

Candy Store - (N1ZN) New style cap (\$10) is available from Jim N1ZN

Key Klix - (WA1TRY & staff) The club newsletter is now available in paper (mailed) form or electronic (PDF) form to those that desire. Contact WA1TRY to change your option.

EmComm - (WA1VXH) Next event is the Fishbein 5K/10K race in the fall. Contact Chris WA1VXH to help.

Field Day (June 24-26, 2011) Chris WA1VXH reported the town approved the use of Marcus Cooke Park for Field Day. Honchos: CW-W1KKF, SSB-KB1HCC, VHF-N1ZN, GOTA-KB1FYL, Food-N1GNV. Satellite: W1KKF will coordinate with W1YU, KB1FYL, KB1HCC and N1GNV to get ready for a successful pass attempt. Open question remains on interference with Sunday morning church service PA system.

Nutmeg Hamfest (October 9, 2011) - Planning is well underway. The Nutmeg Hamfest has been approved as the ARRL CT State Convention site for 2011. QCWA will be at Nutfest. Other significant organizations being courted.

Twenty Years ago in May 2001

VE session May 22nd after the current Tech class.

Station Activity Manager N1API reports a CW program "CW TYPE" loaded on club PC for practice and on-the-air. Send only

Castle Craig - (N1API) AI is printing of new certificates. \$32.62 for blanks print cost to follow. Remember the 10/10 convention is in Worcester in July. Next 10/10 QSO party is in August. SSB

Membership - (N1RMA) 73 members (71 paid 2001, 2 life).

W1FD has constructed an RF Finder receiver (136MHz receiver/DF antenna) as described in the March QST to aid in tracking AC line noise. Antenna under construction

The winter classes started on Tues. March 20th 7PM-9PM for eight weeks. VE session to follow class on Tues. May 22nd.

Nutmeg Hamfest (W1KKF) First batch of flyers printed and out to vendors. The 2001 Nutfest is locked into Sunday, October 7th. Flyers available for distribution at other hamfests (Horse Traders, etc)

Joyce, N1RMA Key Klix Editor reports KK smooth running.

Field Day - Decided to stay with last years format - 2A at Godek's field. Need honchos for : Satellite and VHF station. So far we have: Check with Mr. Godek and solar panels-W1FD, HF/SSB station-KB1CIW, HF-CW station-W1KKF, Novice/Tech station-K1TDO, Power-WA1TRY, Potty-K1mkf, Food-N1GNV, PR/Info/Pins-WV2LKM. To help or operate, see the honcho HELP needed for set up on Friday and ESPECIALLY breakdown on Sunday. See W1KKF or JUST SHOW UP

The June activity meeting is moved up a week to June 21st. To prepare for Field Day

The July activity on July 26th is a T-Hunt (Fox hunt, bunny hunt, DF exercise, etc) with prizes. Motion by WV2LKM second by N1RMA for up to \$50 in prizes. Passed

1990s

1998 – MARC Holiday Party

The December meeting was the annual Holiday Party and started with a fine repast enjoyed by approximately 45 members and guests. The meeting opened at 1900 at December 11, 1998. A quorum was present. The President gavelled the business meeting to order and dispensed with the normal agenda and reports. The honored guests were recognized: Tom Frenaya K1KI, ARRL New England Division Director Betsey Doane K1EIC, ARRL Connecticut Section Manager Ernie Frattini, Wallingford Director of Civil Preparedness. 3) A round of applause to the kitchen crew John K1VDF, Dave K1WJL, John N1LGB, and Lou KS1L. Dave K1WJL won the 50/50 raffle.

1999 Officers - The 1999 slate of officers were introduced and recognized: Bill W1KKF, President Joel N1JEO, Vice-President Dan KA1SZP, Secretary Don KE1AY, Treasurer Dave KE1AV, Station Activities Manager Outgoing Treasurer Mark N1MKF was congratulated on his well kept books for the past year.

ARRL Recognition - Tom and Betsey, after a few words, presented MARC with a placard honoring 50 years as an ARRL Service Club - May 26, 1948 to May 26, 1998 .

Awarded: Ham of The Year Bill W1KKF, Elmer of the Year Joel N1JEO



Dec 5, 1970
Sending messages to Meriden's men in the service are, from left to right, Floyd Steiner, Mayor Dorsey, and Edward Stanton. The messages were sent from the Meriden Mall, where members of MARS (Military Affiliate Radio System) transmitted radio messages to servicemen for free, from their relatives and friends. (Journal Photo)

City's Greeting Radioed To GIs

Radio Hams To Participate In Field Test

Communications efficiency in emergency conditions will be tested this weekend during the annual field day of the Radio Relay League of America.

Frank Darmofalski, president of the local chapter, explained that from 3 p.m. Saturday to 3 p.m. Sunday over 20,000 amateur radio operators will be experimenting with emergency equipment and trying to call each other under the handicap of limited power.

The participation will be held on a contest level with points being awarded for each contact which is made. Darmofalski noted that contact will be much tougher to achieve because the airwaves will be tremendously cluttered. He also pointed out that more points per contact will be awarded as a station's power is lowered.

The Meriden faction will be setting up facilities at the New Departure-Hyatt Fish and Game Club on Cook Hill Road in Cheshire. Under the directorship of Robert Woodtke and Floyd Steiner, they will be operating two transmitters simultaneously over the 24-hour period. Everyone will use his own equipment during the event. The group consists of 22 members and anyone who is interested in the field day activities is invited out to the Cheshire location during the competition.

MARC ACTIVITIES PAGE

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	RAG CHEW*	EVERY MONDAY
TUESDAY	1930 -2000	2M REPEATER	147.36 PL=162.2	K1TDO - TODD	2M NET	RAG CHEW*	EVERY TUESDAY
	2000 – 2100	10M	28.375	K1VDF - JOHN	CASTLE CRAIG 10-10 INTL.	RAG CHEW*	EVERY TUESDAY
WEDNESDAY	1900 – 2000	6M	50.175	VARIABLE	W1NRG OPEN DISCUSSION NET	RAG CHEW*	EVERY WEDNESDAY
THURSDAY	1930 – 2030	2M and ZOOM	147.36 ID: 932 2963 4252 Passcode: 123456	AB1DQ - JAMES	2M TECH NET	TECHNICAL/ LECTURE	1 ST & 3 RD THURSDAY EACH MONTH
	1930 – 2100	-	ZOOM	W1YSM – ED	MARC BUSINESS MTG	BUSINESS MEETING	2 ND THURSDAY EACH MONTH
	1930 – 2100	ZOOM	ID: 910 6770 6626 Passcode: 727460	W1YSM – ED	MARC ACTIVITIES MTG	TECHNICAL/ LECTURE	4 TH THURSDAY EACH MONTH
FRIDAY	-	-	-	-	-	-	-
SATURDAY	0900 – 1000	2M REPEATER	147.36 PL=162.2	W1YSM – ED	COFFEE CUP NET	RAG CHEW*	EVERY SATURDAY DURING COVID
	1100 - 1300	VAR	VAR	NZ1J – DAVID	FOX HUNT	HIDDEN Tx Hunt	EVERY SATURDAY DURING COVID
SUNDAY	1930 – 2030	ZOOM	ID: 956 5400 8348 Passcode: 842063	OPEN	ELMER'S SHACK	NEW HAM SUPPORT	EVERY SUNDAY
	AT LEISURE ~ 0800 – 1600	VAR	VAR	K1RCT- ROB	FIAB (FOX IN A BOX)	HIDDEN Tx Hunt	EVERY SUNDAY

* RAG CHEW = OPEN DISCUSSION

2/20/21 Rev 3

**MARC ADMIN is inviting you to a
MARC - Activities Meeting Zoom meeting.**

**07:30 PM Local Time (0030Z)
Every month on the **Fourth Thursday**
Until Dec 23, 2021**

May 27, 2021 07:30 PM
Jun 24, 2021 07:30 PM
July 22, 2021 07:30 PM
Aug 26, 2021 07:30 PM
Sep 23, 2021 07:30 PM
Oct 28, 2021 07:30 PM
Nov 25, 2021 07:30 PM
Dec 23, 2021 07:30 PM

**Meeting ID: 910 6770 6626
Passcode: 727460**

ARLB011 Updated Radio Frequency Exposure Rules Become Effective on May 3

The FCC has announced that rule changes detailed in a lengthy 2019 Report and Order governing RF exposure standards go into effect on May 3, 2021. The new rules do not change existing RF exposure (RFE) limits but do require that stations in all services, including amateur radio, be evaluated against existing limits, unless they are exempted. For stations already in place, that evaluation must be completed by May 3, 2023. After May 3 of this year, any new station, or any existing station modified in a way that's likely to change its RFE profile - such as different antenna or placement or greater power - will need to conduct an evaluation by the date of activation or change.

The Report and Order can be found online in PDF format at, <https://docs.fcc.gov/public/attachments/FCC-19-126A1.pdf> .

"In the RF Report and Order, the Commission anticipated that few parties would have to conduct reevaluations under the new rules and that such evaluations will be relatively straightforward," the FCC said in an April 2 Public Notice. "It nevertheless adopted a 2-year period for parties to verify and ensure compliance under the new rules."

The Amateur Service is no longer categorically excluded from certain aspects of the rules, as amended, and licensees can no longer avoid performing an exposure assessment simply because they are transmitting below a given power level.

"For most amateurs, the major difference is the removal of the categorical exclusion for amateur radio, which means that ham station owners must determine if they either qualify for an exemption or must perform a routine environmental evaluation," said Greg Lapin, N9GL, chair of the ARRL RF Safety Committee and a member of the FCC Technological Advisory Council (TAC).

"Ham stations previously excluded from performing environmental evaluations will have until May 3, 2023, to perform these. After May 3, 2021, any new stations or those modified in a way that affects RF exposure must comply before being put into service," Lapin said.

The December 2019 RF Report and Order changes the methods that many radio services use to determine and achieve compliance with FCC limits on human exposure to RF electromagnetic fields. The FCC also modified the process for determining whether a particular device or deployment is exempt from a more thorough analysis by replacing a service-specific list of transmitters, facilities, and operations for which evaluation is required with new streamlined formula-based criteria. The R&O also addressed how to perform evaluations where the exemption does not apply, and how to mitigate exposure.

Amateur radio licensees will have to determine whether any existing facilities previously excluded under the old rules now qualify for an exemption under the new rules. Most will, but some may not. "For amateurs, the major difference is the removal of the categorical exclusion," Lapin said, "which means that every ham will be required to perform some sort of calculation, either to determine if they qualify for an exemption or must perform a full-fledged exposure assessment. For hams who previously performed exposure assessments on their stations, there is nothing more to do."

The ARRL Laboratory staff is available to help amateurs to make these determinations and, if needed, perform the necessary calculations to ensure their stations comply. ARRL Laboratory Manager Ed Hare, W1RFI, who helped prepare ARRL's RF Exposure and You book, explained it this way. "The FCC did not change any of the underlying rules applicable to amateur station evaluations," he said. "The sections of the book on how to perform routine station evaluations are still valid and usable, especially the many charts of common antennas at different heights." Hare said ARRL Lab staff also would be available to help amateurs understand the rules and evaluate their stations."

RF Exposure and You is available in PDF format for free download from ARRL at, <http://www.arrl.org/files/file/Technology/RFsafetyCommittee/28RFSafety.pdf> .

ARRL also has an RF Safety page on its website at, <http://www.arrl.org/rf-exposure> . The ARRL RF Safety Committee is working with the FCC to update the FCC's aids for following human exposure rules - OET Bulletin 65 and OET Bulletin 65 Supplement B for Radio Amateurs. In addition, ARRL is developing tools that all hams can use to perform exposure assessments.

Chronicles of the Club Archives from the Club Historian

Rich WAITRY

Recently during a recent club business meeting there was a discussion regarding the club historical archives. I hope to shed some light on that subject with this month's "Try This" column.

Some years ago, myself and Bill, W1KKF who was the club president at the time had set up a meeting with Frank, W1FD to talk about various club things. It was only a few months before Frank passed away and he wanted to discuss what to do with his collection of club documents. Frank was THE guy who started the Meriden ARC back in 1947 and he had been storing all the club news articles, photos and other documentation ever since the beginning.

He gave me a large cardboard box stuffed with all kinds of photos, and newspaper clippings, club minutes and other club memorabilia, and asked if I would take care of it. Frank was the club historian and for what ever reason he thought I should take care of the "archives". Later that afternoon, at Bill's kitchen table, we spent a couple hours browsing through what was then a half century of club "stuff".

For a couple more years I kept the box stored in a safe place until I started to have some serious medical issues of my own. That's when I put everything in a nice sturdy plastic storage container and stored it at the club's storage area at the Wallingford EOC building on Cook Hill where we had our meetings and operated our club station. At the time I wanted to be sure the documents were readily available to the club members instead of possibly being locked away where no one could find them.

In fact, as things worked out I was sort of out of commission for some time after that. And for the first time during my club membership I wasn't around to help during a move from one club station to a new station. We then lost track of "one of the storage containers". Thanks to the efforts of John, K1LYP the missing box was finally found in an attic storage space at our new headquarters. Whew!

As soon as we had the archives in hand I got together with Dave, K1WJL and we ended up splitting up the collection between us to take on the task of digitally archiving all the club history.

And that is what I have been doing for a few years now. It's been a labor of love for sure, but was something that I've been doing "on and off" when ever I have the time. Unfortunately over the recent year or so I've not been able to work on the project much. But I'm finally back from oblivion and have resurrected the project once again.

Here are some answers to questions you might have. Should we have our documents professionally scanned, archived etc. ? Not unless you want to drain the club treasury in a day. What we have is not easily scanned. There are a LOT of cut up newspaper articles that are up to 70 plus years old. And 90 percent of them are GLUED into a very large old (falling apart) very brittle 10 by 12 inch scrapbook. The pages are "bound" into the book and can not be removed. Many of the articles are long newspaper single columns and have been glued with the first 12 inches folded up onto itself so you could store an article 16 inches long in a book with 12 inch pages. So if you want to scan them, you need to open up the book and unfold the articles.

They can not be put into a flat bed scanner (and I do have a large open bed scanner than can scan open books etc.) But this scrapbook doesn't work well in a scanner environment. Also the newspaper is deteriorating and some of the the older articles are in bad shape.

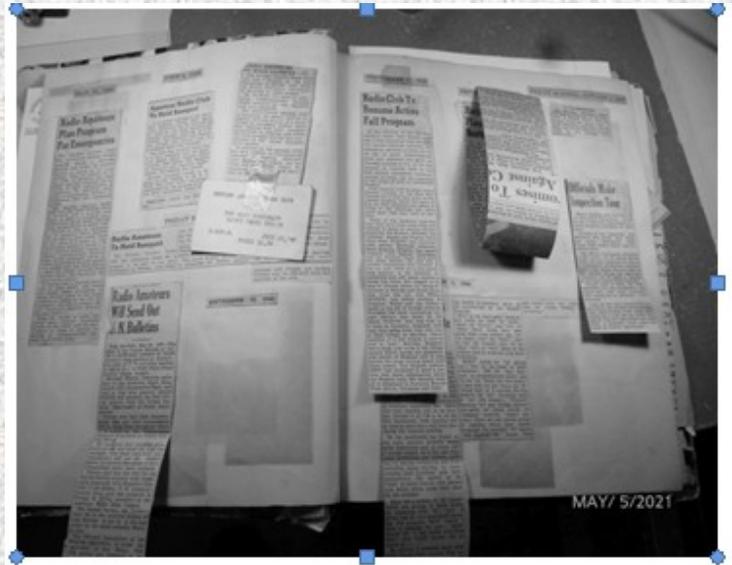
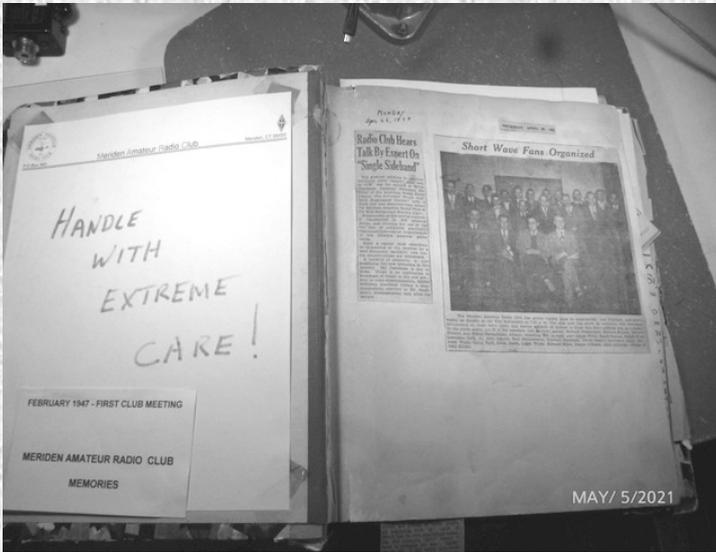
However, being the son of a professional commercial photographer, I have been around all kinds of photo and video stuff. Although my son now has most of my Dad's equipment I still have access to it, as well as my own more modern collection of film and digital stuff.

And I've found the best way to get this stuff archived is with a good quality digital camera.

I'm currently using a digital camera in macro mode with a camera stand. The few "loose" pictures and newspaper clippings are photographed with the digital camera tethered to a PC. The images are shot with a native resolution in a raw 4K image format. Each shot takes a few hundredths of a second as opposed to a 30 or so second scan using a scanner. So it's fast and easy.

But the articles that are glued into the scrap book are tedious to work with. All the newsprint stuff has to be converted to high res grey scale and digitally cleaned up, adjusted, cropped and tagged electronically with a date. Each document is saved with the date and image number sequence which can be referenced and sorted. For instance when I'm done you will have all the docs stored in a data base, in both a standard high res Jpeg vs along with a PDF version. You will be able to search and sort everything by date, event or picture group. For example you can find a date of June 28 1978 and find all the docs from that date grouped by event. Club meeting minutes, photos of a field day for that date, or a newspaper article all sharing that common date.

It's important to have both JPG and PDF for the digital archives as they are mostly universal. So the data should be sortable and able to be exported into the various spreadsheet or other data base standards easily.



As you can see, the documents are glued and in some cases repaired with tape. I have to cut out each full page from the large bound book, and then make a full sized image of that page. Once I can work with the full sized picture (which is about 4600 x 3500) I can then crop out the various articles and sections of articles to better fit into a standard sized display page. Note! The original physical pages are not altered or changed other than the fact they are "un-bound" from the book binding. When I'm finished with each page it will be put into a fully enclosed "photo proper" plastic wrapper and re-inserted into the original book. The finished job will actually make the original book easier to handle and last longer. I am also archiving and putting all the various club awards, certificates and other loose documents into clear archival polypropylene sleeves that are sealed on three sides and hold two 11x14 prints per sleeve. Those sleeves will be re-inserted to the original book along with the original pages that I removed. That's it for this month. Next month I should finally have my pole mounted rotor cage ready and we can get back to ham radio stuff again

73, Rich WA1TRY

MERIDEN AMATEUR RADIO CLUB

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

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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
STONE 162,2 (IF ACTIVATED)

MEMBERSHIP ROSTER

AB1DQ	James Surprenant	22R	N1API	Al Kaiser	21S
AB1HB	Charlie Dudac	21S	N1BF	Patrick Dionne	21R
AF1HS	Art Fregeau	21S	N1BRL	Bart Toftness	23S
K1IIG	Steve Tripp	21S	N1FNE	Rod Lane	21R
K1JCF	Joe Farrell	23S	N1GNV	John Bartscherer	21S
K1LHO	Mike Ash	21S	N1GY	Geoff Haines	22S
K1LYP	John Yusza	23S	N1HCA	Susan South	20R
K1MMK	Mike MacKennedy	23R	N1IBE	Wade Martell	22S
K1MVM	Mike Macri	21S	N1KGY	Chuck Ayers	20R
K1RCT	Rob Cichon	23R	N1LES	Joe Murray	21R
K1SCI	Stuart Isaac	20R	N1MOB	Dan David	20R
K1STM	Anne West	21S	N1NAN	Helen Spokes	20S
K1TDO	Todd Olsen	21R	N1OKF	Bob Parisi	21R
K1TGX	Jerry Molaver	22S	N1OKR	Frank Ciccone	21S
K1MTD	Mary Duval	21S	N1QYB	William Wilecki Jr.	20S
K1RMA	Don Richards	21S	N1URO	Brian Rodgers	21R
K1VDF	John Blevins	21S	N1YLN	Edward O'Lena	21R
K1WJL	Dave Swedock	22S	N1ZN	James Savage	21S
K2LMR	Lou Caruso	21S	NZ1J	Dave Tipping	22R
KB1CIW	Bob Stephens	20S	W1AJK	Andrew Kazimer	22R
KB1EHE	Eric Knight	21R	W1BOB	Bob Lobley	21R
KB1FYL	Bob Carruthers	20S	W1DQ	John Elengo	22S
KB1FZ	Elsie Mathews	21R	W1EDX	Paul Stasieluk	21S
KB1JL	Eric Olsson	21S	W1JKP	Kent Astrom	21R
KB1LWS	Jeanne Gherardi	22S	W1KPS	Kevin Shields	20R
KB1MFU	John Ramadei	21R	W1LV	Steve Morley	21R
KB1MZG	Guy Allard	21S	W1NHS	Fred Ring	20S
KB1SIT	Teresa Stephens	20S	W1NNZ	William Kosche III	20S
KB1SSN	Alex Dills	20R	W1POP	Fred Liedke	21S
KB1TJD	Gainne Jenkins	20S	W1RCI	Ron Isaac Jr.	21R
KB1TMC	Clare O'Lena	21R	W1ST	Stephen Stimpson	20R
KB1TTV	Jonathan Martin	26R	W1UFO	Mike Cei	20R
KB1YFJ	Glen Couture	21R	W1UKX	Greg Gherardi	22S
KC1DOY	Ted Renzoni	21S	W1XK	Stan Kugler	20S
KC1GMD	Ralph Ring	20R	W1YSM	Ed Snyder	22R
KC1HDB	Jeff Martin	28R	W3APC	James Cook	21S
KC1HFO	John Stoidis	20R	W9OTW	Debbie Foss	20R
KC1IHK	Scott Mowerson	20R	WA1FFT	Ray Irwin	21S
KC1IIL	Matt Mowerson	21Y	WA1JKR	John Rogus	21S
KC1ISI	Kristin Olsson	21R	WA1SFH	Douglas Sharafanowich	21S
KC1KQH	John Kasinskas	21S	WA1TRY	Rich Aubin	L
KC1MBG	Robert Luby	21R	WA1ZVY	Jim Martin	28S
KC1NQE	Shawn Warren	21R	WB1GGP	Jerry Shepard	21S
KC1NXP	Andrew Paolillo	21R	WB1GYZ	Bob Biancur	21S
KC1OCF	Karl Polak	21S	WB8IMY	Steve Ford	22R
KC1OMP	Damian Fries	21S	WJ1B	Harold Kramer	21S
KC1OSR	Gunnar Steinle	21R	WV2LKM	Steve Waldmann	21S
KC1OST	Bryon Heath	21R		Ron Rogers	20S
KC1OYM	Brian Boccuzzio	21R	KC1P??	Lincoln Nichols	Y
KC1OYN	Ricky Becker	21R			
KC1OYR	Brent Moyer	21R			
KC1PBQ	Randy Rilvest	21R			
KC1PU	Bob Woodtke Jr.	22R			
KC1SA	Stephen Allen	21R			
KC2MLH	Adam Castracane	21R			
KE1AU	Robert Kaczor	21S			
KE1AV	Dave Sanford	20R			
KE1AY	Donald Mitchell	21S			
KR1U	Bob Eslinger	21S			
KX1USA	Rob Messercola	21R			
N1AKN	Jeff Dwyer	21S			

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**STATION
 ACTIVITIES
 MANAGER**

MEMBERSHIP STATS

TOTAL MEMBERS.....	110
REGULAR(UNDER65).....	
SENIOR(65 & UP).....	
LIFE.....	1
STUDENT(18 & UNDER).....	2