

# MARCH 2020

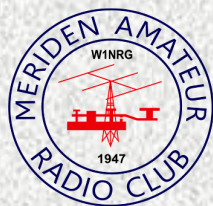
## 1947 -- 2020

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

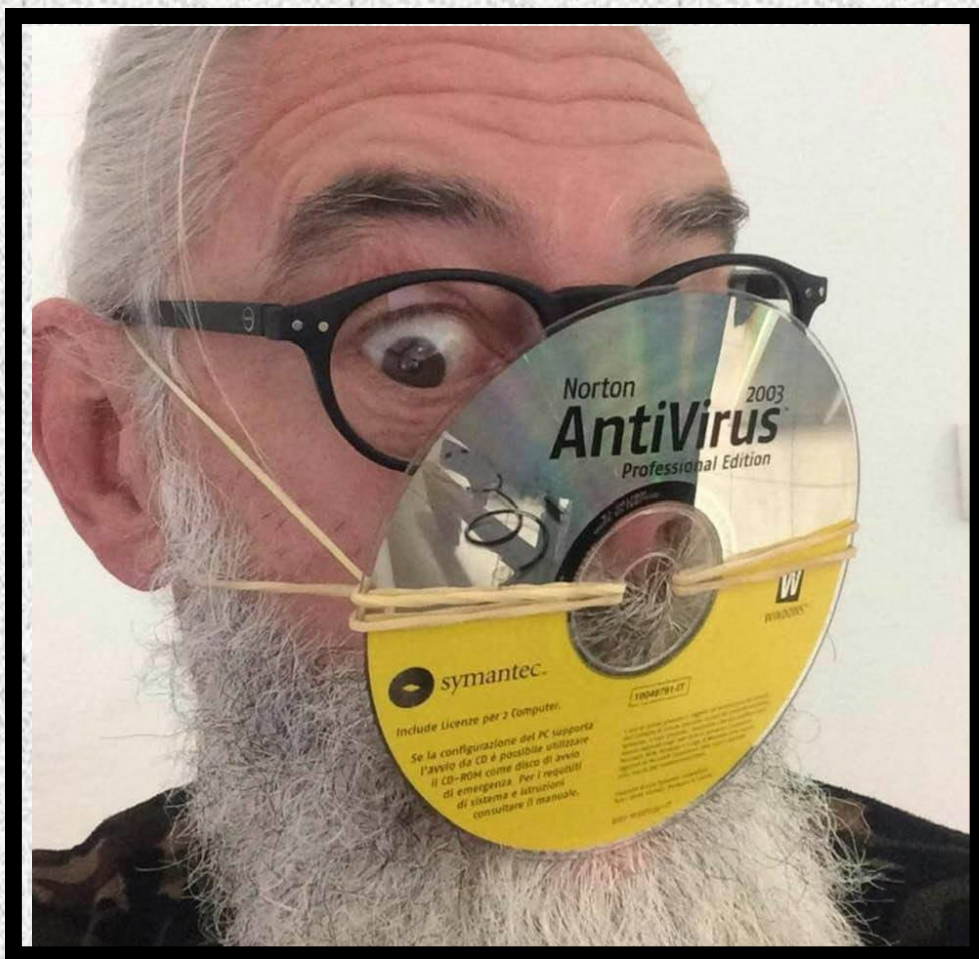
PRES W1YSM ED SNYDER VP KB1JL ERIC OLSSON SECT K1STM ANNE WEST  
TRES K1WJL DAVE SWEDOCK S.A.M. K1RCT ROB CICHON

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

ALL MEETINGS ARE AT THE EOC HOPE HILL FIREHOUSE  
143 HOPE HILL ROAD, WALLINGFORD



### VIRUS MASKS ON SALE NOW



MERIDEN AMATEUR RADIO CLUB

# KEY KLIX



# **A HEALTH RELATED MESSAGE FROM THE PRESIDENT ( W1YSM, NOT THE OTHER ONE )**

Dear Fellow Hams:

Please read this CAREFULLY.

Due to concerns over possible Corona virus spread I make the following statement.

1. If you are actively coughing or have a fever or are not feeling well - think you are getting the flu or a cold, please do not come to the Saturday Morning Activity or the Business Meeting this Thursday. Do this out of respect for your fellow Hams. If a family member falls into the above group consider that in your deliberations.
2. No cases of Corona Virus in CT have been reported but very few people have been tested. Rather be proactive than reactive. Safe vs Sorry.
3. I am not being an alarmist — just conservative. Most club members are in a higher risk group due to age or a medical condition.
4. Meetings will be held but if you are feeling ill please consider this message
5. Again, if you are coughing have a fever or feel ill - or have a close family contact who does, it would be prudent at this time to self defer. All others should please come to all club activities as and if you wish.

Contact me if questions. I am not trying to scare member or raise ghosts and goblins. Just being prudent. Meetings will be held as usual.

73,

Ed W1YSM  
President MARC

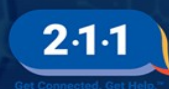
## **State of Connecticut Coronavirus Call Center**

If you live in Connecticut and have general questions about COVID-19,  
call our coronavirus info center:

**2-1-1**

or text the word "COVID19" to 898211

Anyone experiencing symptoms is strongly urged to contact their medical provider to seek treatment.







## ON BEING AN ELMER

An Elmer can be defined as someone who mentors an aspiring ham and helps him/her obtain their FCC ticket, who helps a ham upgrade to a higher class license, or who answers questions when a fellow ham needs advice. Truth be known, the original Elmer was a real person. Elmer "Bud" Frohardt Jr., W9DY (SK) was a communications technician for the Illinois State police – he retired in 1986. He passed March 22, 2016 at 93. The term "Elmer" was coined by Rod Newkirk W9BRD (SK) who edited QST's "How's DX" Column. Bud was Rod's "Elmer", and Bud helped (Elmered) a lot of hams in his lifetime. We all Elmer to some degree, be it tutoring your child or a neighbor's kid to help them get their ticket, or helping a fellow ham learn CW or set up their antenna. Maybe even (horrors), helping a ham erect a 60 foot tower in his yard.

My Elmer, James AB1DQ, shepherded me through all three license exams. Without him, I would still be WPE2FVH (a SWL from the old Poptronics days with my trusty, S-38E), never to become Amateur Radio Operator W1YSM (nee KC1FCJ) and President of MARC. Elmering is giving back. We see it at MARC constantly. On the internet with myriad Club email calls for help, at Field Day, at Activities Meetings, at Boy Scout teaching classes, at VE Sessions, on the Club's Net sessions, and of course, every Saturday at the OEM. Without Elmers, Amateur Radio would be a lonely place. That we hold Elmers in high esteem, is reflected in the Elmer of the Year award we give to one member each year at the Christmas Party.

While some find frequent opportunities to provide Elmering, other do so sporadically or only when asked for help. However, you do it, please find ways to be welcoming and helpful to wannabees just learning, or fellow hams with a question or a problem. It's the human-human interaction of caring and giving that keeps the Meriden Club – and any club- alive and vibrant.

A welcoming ("Elmering") presence is critical to growing the Club's membership. I was very proud that the Club members in attendance at the last Business Meeting spontaneously gave a loud round of applause to two returning Club members Bob Stephens KB1CIW and his wife Terri KB1SIT, While not Elmering in the traditional sense, it did say "welcome back – glad to see you and let us know if we can help you get more enjoyment from Amateur Radio." Isn't that why we all joined MARC in the first place?

73,  
Ed W1YSM  
President MARC  
March 2020 Key Klix



**REAL CW IS FOREVER !**  
I don't use any software to read the CW  
CW is the Art made for your ears, but not for your PC  
DEFEND THE HISTORY OF RADIO !  
DON'T LET COMPUTERS PROFANE THE CW ART !



De W1DQ



# ACTIVITY NIGHTS & EVENTS,

*ED W1YSM (ACTING ACTIVITIES MANAGER)*

# 2020

Mar. 26	A Wilderness Preparation Guide	Ed N1YLN
Apr. 23	Summits OTA	Dave NZ1J
May 28	Topic TBA	Scott N3NFP
<b>June 20</b>	<b>Wallingford 350th Celebration Parade</b>	
June.25	TBA	
<b>June 27/28</b>	<b>Field Day</b>	
<b>July. 23</b>	<b>Lark in the Park (or OEM backyard)?</b>	
<b>July 25/26</b>	<b>Northeast Ham Xposition ( Old Boxboro )</b>	
Aug 27	Jeopardy for Hams Tentative	John K1LYP
Sept 24	TBA	
<b>Oct 11</b>	<b>Nutmeg Hamfest</b>	
Oct 22	TBA	
Nov 12	Annual Meeting / Elections	
Nov 26	Cancelled / Thanksgiving	
Dec 3	MARC Year in Review / Year Ahead Pizza & Soda	W1YSM
Dec 10	Christmas Party Tentative	
Dec 24	Cancelled / Christmas	

## CLUB NETS

<u>6 MTR NET</u>	MONDAYS 8PM	50.175MHZ	N1ZN JIM
<u>2 METER NET</u>	TUESDAYS 7:30PM	147.36 /RPT /NO PL	K1TDO TODD
<u>10 METER NET</u>	TUESDAYS 8PM	28.375MHZ	K1VDF JOHN
(10/10 CASTLE CRAIG CHAPTER CONCURRENTLY WITH CLUB NET—N1API AL)			
<u>2 METER TECH NET</u>	WEDNESDAYS 7:30PM	147.360+, no PL	
WEEKLY NET MODERATED BY VARIOUS AMATEURS WITH DIFFERENT TECHNICAL TOPICS AND Q&A SESSION			



## **Secretary Report & Minutes of the Meriden Amateur Radio Club Anne West K1STM , Secretary**

**FEBRUARY 13, 2020 BUSINESS MEETING**

President, W1YSM called the meeting to order at 19:27. All present introduced themselves; 30 members.

### **Announcements:**

There are currently 83 paid members in the club. Members who have not paid, please do so immediately. W1YSM noted dates of upcoming events; MS Walk May 3, Celebrate Wallingford October 3-4, Fishbein Race October 4, MARC Flea Market October 11. Speaker suggestions for the Nutmeg Hamfest are needed.

### **Secretary's report (K1STM):**

A motion was made, seconded and passed to accept the January 2020 minutes as published; unanimous. No correspondence to report or new member applications to vote upon.

### **Treasurer's report (K1WJL):**

K1WJL noted expenses and balances including reimbursement to members for items purchased, 2019 Christmas party, income and equipment purchased from the club.

### **Station Manager Report (K1RCT):**

The station was activated in an outside shed for Winter Field Day. The FT991 was used with a dipole and generator; operating class, 1O meaning 1 station outside. A total of 138 QSOs were made. The station (inside) was activated for the ARRL January VHF contest. The FT991A was used and integrated with the N1MM logging system. Several additional contests were activated including the Worldwide RTTY contest. The station is always up and running on Saturday mornings.

### **Committees**

#### **Entertainment (W1YSM):**

Eric, KB1JL will present an informative history of CW on the February 27 activity meeting. W1YSM listed future activities.

#### **Lark in the Park:**

The location for this year's Lark in the Park was discussed. Should the event be held in a park or at the OEM? Should we invite CERT and Official Emergency Managers? A motion was made and seconded to hold Lark in the Park at the OEM on July 23, 2020. After much discussion, the motion passed; 19 aye, 4 nay, 4 abstentions. A decision was not made as to whether or not to invite CERT members and Wallingford officials or to hold a second event for additional invitees.

#### **Website update(KE4EYA):**

The MARC website continues to be a work in progress. Decisions need to be made as to what content to keep, what to delete and what new content to add. Also, how many managers will work on the website and what software will be used for development? As of now, Word Press is the software of choice.

#### **Facebook and Youtube:**

As of the meeting date, MARC did not have a Facebook or Youtube presence. The possibility of a Facebook page will be explored. Dave, NZ1J will chair a committee to create and organize a Facebook group page for MARC. NZ1J will be Facebook page coordinator and additional administrators will be chosen.

#### **Contesting:**

N1YLN noted recent contests. The next major contest will be the New England QSO Party May 2-3. Dave, NZ1J also mentioned that he will be active in the Summits on the Air events. He stated that others can join him in a climb and he hopes club members will contact him when he is on a summit.

W1W special events call sign will be activated June 7-8 as part of the Wallingford 350<sup>th</sup> celebration.

The medical plan for the 350<sup>th</sup> anniversary celebration on June 20<sup>th</sup> is coming together. Six teams of 2 have been requested for a 7 hour commitment. Locations include: the OEM, 2 water stations, police station, Doolittle Park and Lyman Hall high school. One location will contain the medical tent. If more than 14 hams volunteer, there are 4 parking lots to be monitored. Hams will provide communications between locations. Volunteers are needed.

#### **Club Nets**

All nets are doing well. Because of low participation, a decision needs to be made as to whether to close the Nutmeg Traffic net. The new TechNet needs to schedule net controls. A sign up sheet was passed to determine interest.

continued on next page

**Scholarship(N1ZN) :**

Letters to the Wallingford schools will be sent soon. A draft was read for consideration. Changes to the letter were discussed and noted.

**VE (N1ZN)**

The next VE exam date is March 14. Active VE's should notify Jim N1ZN so he can keep a list of current VE's.

**Public Outreach (W1YSM)**

Items to give away at public events were discussed. Prices for pencils, refrigerator magnets and crayons were given. The items could have a logo and written content. The discussion evolved into obtaining items that would be used and not discarded quickly. A motion was made, seconded and passed to spend a maximum of \$150.00 for give away items; aye 20, nay 10.

**Nutmeg Hamfest (W1YSM)**

A board of directors meeting is expected soon, W1YSM and K1LYP are lining up guest speakers for the October event.

**Equipment Donation:**

Some equipment will be donated to the club from a deceased member. A family member will be in Connecticut in August to finalized the donation.

Per WV2LKM, there is a variety of books in the OEM library for members to borrow. The selection can be browsed at meetings and Saturday mornings.

A motion was made, seconded and passed to adjourn at 21:16; unanimously passed.

February 13, 2020 club meeting minutes respectfully submitted by Secretary K1STM

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Dave NZ1J says:

**MARC Facebook Group**

Though Facebook isn't for everyone, the club's new Facebook Group has 31 members so far. Like our forum, website, and reflector, the Facebook Group is another way for us to stay in touch and to be 'out there' for potential new members to find. If you do use Facebook, join the group.

**Fox Hunt Planned for the End of March**

Each week, some club members get better prepared to participate in our upcoming Fox Hunt. Weather permitting, Saturday, March 28th, will be the first hunt. There's still time to get some sort of direction finder built. Or, tag along on the hunt with another member who has some equipment.



**Summits on the Air**

Last fall, I operated on 2 meter simplex from the summit of Sleeping Giant and Mt. Higby. A good number of club members made some time to give me contacts. After a break for the winter weather, I'd like to start visiting summits again, starting in April. Anyone who would like to join me on an 'expedition' is welcome. We can operate any band and any mode. The hike to Sleeping Giant is among the easiest. It's really a walk on a dirt road that goes uphill.

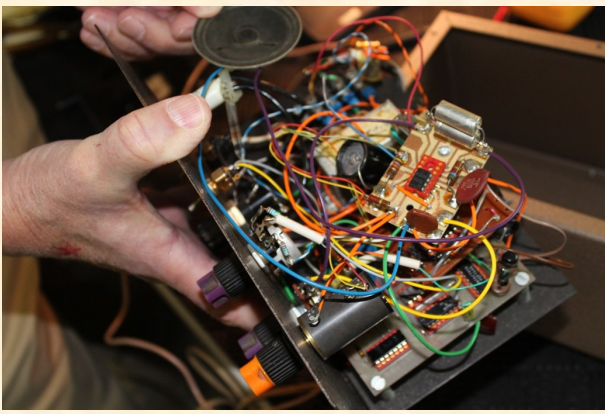
Dave NZ1J

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Jeff N1AKN says:

The 2020 Northeast HamXposition ( formerly known as Boxboro) will be held July 24<sup>th</sup>, 25<sup>th</sup>, and 26<sup>th</sup> at the Best Western Royal Plaza Hotel & Trade Center, conveniently located in Marlborough, Massachusetts. Just so you all know , The Hotel reservation is open for the convention at the discounted rate \$99 . Go to the convention website : <https://hamxposition.org/> Click on the Hotel link (only) , The tickets are not ready yet and the full 2020 website is not up and running yet .





Bob, WB1GYZ, picked up this home-brew keyer at a flea market and brought it in for "show and tell". It was believed to be 1960's era. Everyone had a good look and after some preliminary inspection, it was switched on and worked perfectly!

You never know what you'll see on a Saturday at M.A.R.C.



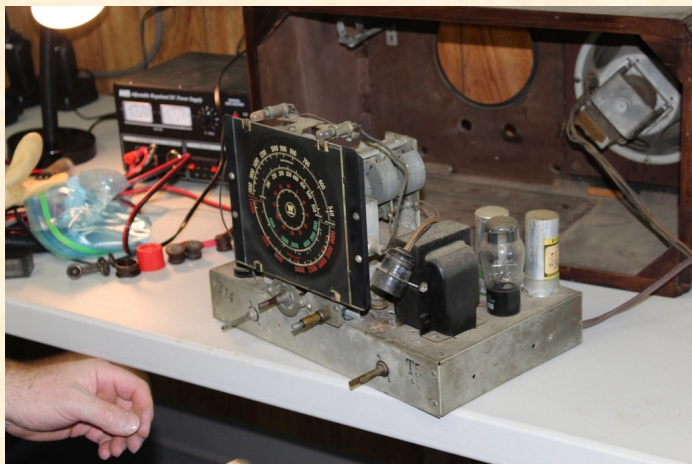
On Saturday, 15 Feb 2020, Joe Desomma (no call) brought in his Grundig Model 2440U (AM, FM, SW 1964-65 era) and a Westinghouse Model WR212 (AM, SW 1936-37 era) radios. Jeff, N1AKN and Ted, KC1DOY took an admiring look at both of these vintage radio receivers.

The Grundig, unfortunately, had a completely frozen variable capacitor (tuner) and was deemed too time consuming and expensive to fix. It was interesting to see that the tubes were marked as made in East Germany.

The Westinghouse on the other hand just needed some TLC cleaning (varicap, volume control, etc.) and a new dial pointer cord (repair pending on parts) to put it back in operation. It has a very good sound, common to tube amplifiers of yesteryear, and should give Joe many more years of pleasant listening.

73,

Ted KC1DOY





# Biblical Origin of the Internet

From the Book of Bob (GYZ)

In ancient Israel, it came to pass that a trader called "Abraham of Com" did take unto himself a young wife by the name of Dot. And "Dot of Com" was a comely woman, broad of shoulder and long of leg.

Indeed, she had often been called "Amazon Dot Com". And she said unto Abraham, her husband, "Why dost thou travel far from town to town with thy goods when thou canst trade without ever leaving thy tent?"

And Abraham did look at her as though she were several saddle bags short of a camel load, but simply said, "How might I do that my dear?"

And Dot replied, "I will place drums in all the towns and drums in between to send messages saying what you have for sale and they will reply telling you which hath the best price. And the sale can be made on the drums and delivery made by Uriah's Pony Stable (UPS)."

Abraham thought long and decided he would let Dot have her way with the drums. And the drums rang out and were an immediate success.

Abraham sold all the goods he had at the top price, without ever moving from his tent.

But this success did arouse envy. A man named Maccabia did secrete (look it up, it means to hide) himself inside Abraham's drum and was accused of insider trading.

And the young man did take to Dot Com's trading as doth the greedy horsefly take to camel dung. They were called Nomadic Ecclesiastical Rich Dominican Siderites, or NERDS for short.

And lo, the land was so feverish with joy at the new riches and the deafening sound of drums that no one noticed that the real riches were going to the drum maker, one Brother William of Gates, who bought up every drum company in the land.

And indeed did insist on making drums that would work only with Brother Gates' drumheads and drumsticks.

And Dot did say, "Oh, Abraham, what we have started is being taken over by others".

And as Abraham looked out over the Bay of Ezekiel, or as it came to be known 'eBay' he said, "We need a name that reflects what we are".

And Dot replied, "Young Ambitious Hebrew Owner Operators". 'YAHOO!' exclaimed Abraham.

And that is how it all began.

Al Gore had absolutely nothing to do with it.

## FOR SALE BY BOB KR1U

- Kenwood TS-940S HF transceiver w/500kc cw filter, manuals - near mint electrically and physically. 1 owner/non smoker/never used portable. Steal at \$675.
- Heathkit SB-221 2 KW HF amplifier works/looks like new. Expertly wired. Extra 3-500Z. \$775.
- Heathkit HW-8 QRP rig. Manual, expertly wired - works perfectly \$175.
- Heathkit DX-100 and HX-10 Marauder transmitters, nice/dynamite AM rigs. Make offer.
- Swan 500 HF transceiver and matching 117C power supply...worked when last powered up. \$175.
- Contact Bob/KR1U at [oldradiodoc@gmail.com](mailto:oldradiodoc@gmail.com) or 860-928-2628.



**JOHN K1LYP AT N1API'S ANTENNA FARM,  
REINSTALLING TRIPOD ON MINI-ROOF**



# MARC 50TH ANNIVERSARY PARTY—1997

## CD HDQS—— SECOND FLOOR



**PRESIDENT BILL W1KKF WITH  
MAYOR DICKINSON**



**PRESIDENT BILL W1KKF WITH  
AL N1API TO THE LEFT  
(STILL HAS SAME JACKET!!)**

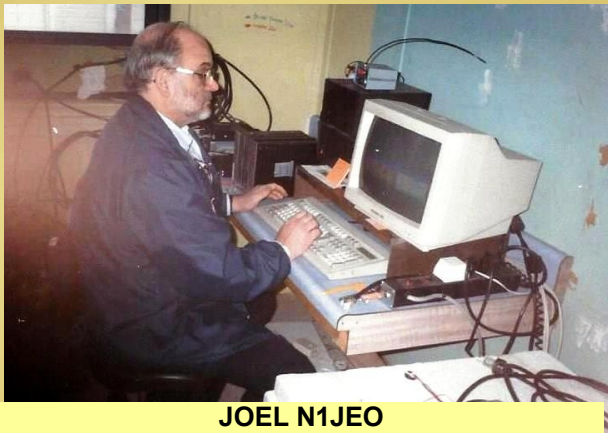
**ED WA1GLJ & NANCY, STEVE N1SA, DAN WX1D, BOB  
N1OKF, K1VDF WAY IN THE BACK**



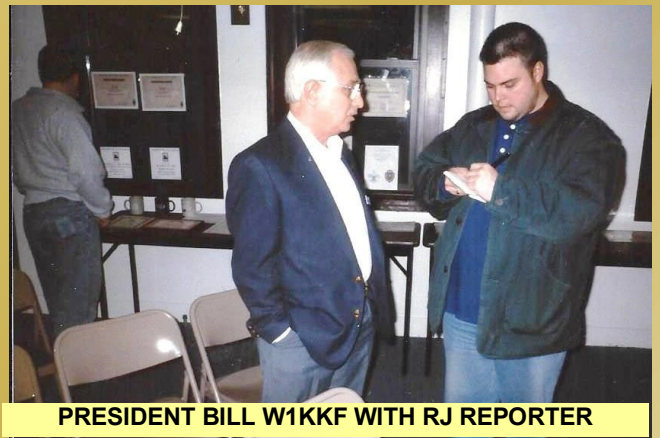
**A MUCH THINNER K1WJL**



**CLUB STATION W1NRG**



**JOEL N1JEO**



**PRESIDENT BILL W1KKF WITH RJ REPORTER**



FROM ERIC KB1EHE



Given the very nice feedback from last year's "rocket talk" of the rocket launched into space, I thought you'd like to learn of another unique aerospace-related circumstance. In 2007, I was asked to be part of a collection of scientists and innovators from around the world to brainstorm the future of space exploration. Boston University corralled us on the 50th anniversary of the 1957 launch of Sputnik. In a grand conference center, I was shoulder to shoulder (see photo; front, fourth from left) with a who's who collection of Nobel Laureates, NASA and Russian astronauts, physicists, astronomers, and other luminaries. One of my most-cherished moments was, at the end of the conference, having a beer with one of the leading theoretical physicists of the modern era: Professor Freeman Dyson. (Photo, third from the right.) As you probably saw in the news, Freeman Dyson died on Saturday at the age of 96. You can see his amazing obituary here: <https://www.ias.edu/press-releases/2020/freeman-j-dyson-1923%E2%80%932020> Over the course of our lifetimes, we meet all kinds of persons from all walks of life. Whether it's a brief conversation with a department-store clerk, a few-minute chat with a stranger on a train, or sharing words with a world-leading scholar, if we listen closely, there is *always* something to be learned. Something that expands our sense of the world in some particular way. Anyway, I just thought I'd share a few thoughts this morning as I was reminiscing about this particular chat, over a beer, that was a meaningful moment in my life's journey.

73, Eric KB1EHE



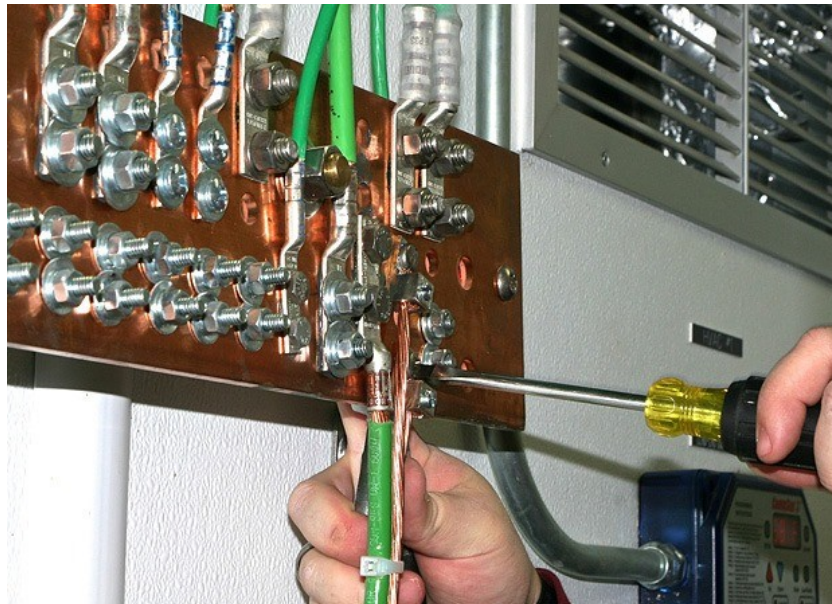
**SOUTHINGTON AMATEUR  
RADIO ASSOCIATION  
SARA  
ANNUAL FLEA MARKET  
SUNDAY MARCH 29  
8AM-12PM  
SOUTHINGTON HIGH SCHOOL  
PLEASANT ST. SOUTHINGTON**



**TAKE THE QUIZ.....**



**WHATS WRONG?**



**WHATS WRONG?  
(NO HAM I KNOW IS THIS NEAT)**



**WHATS WRONG?  
THIS LOOKS MORE LIKE A  
TYPICAL HAM SHACK**

# 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

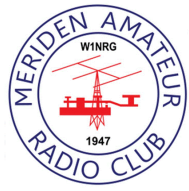
**CLUB DUES STRUCTURE (JAN-DEC)**  
 UP TO 64 YRS OF AGE--\$20/YR  
 SENIOR DISCOUNT 65 & UP--\$15  
 ANY LICENSED HAM, 18 &  
 UNDER WILL BE GIVEN FREE  
 DUES

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

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

**CASTLE CRAIG 10-10 WEBSITE:**  
 go to [www.w1nrg.com](http://www.w1nrg.com)  
 and follow the links

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



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	19
K1JCF	Joe Farrell	20	KC1KQH	John Kasinskas	20	W1NNZ	William Kosche III	20
K1LHO	Mike Ash	20	KC1NS	Nancy Tipping	19	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
K1MVM	Mike Macri	19**	KE1AV	Dave Sanford	20	W1XK	Stan Kugler	19
K1PU	Mark Mokoski	19	KE1AY	Donald Mitchell	20	W1YSM	Ed Snyder	22
K1RCT	Rob Cichon	20	KR1U	Bob Eslinger	20	WA1CT	Paul Stasieluk	20
K1STM	Anne West	20	N1API	Al Kaiser	20	WA1FFT	Ray Irwin	20
K1TDO	Todd Olsen	20	N1AKN	Jeff Dwyer	20	WA1JKR	John Rogus	21
K1TGX	Jerry Molaver	22	N1BF	Patrick Dionne	21	WA1SFH	Douglas Sharafanowich	20
K1THP	Dave Karpiej	19	N1BRL	Bart Toftness	20	WA1TRY	Rich Aubin	L
K1VDF	John Blevins	20	N1GNV	John Bartscherer	20	WA1ZVY	Jim Martin	20
K1WJL	Dave Swedock	20	N1GY	Geoff Haines	21	WB1GGP	Jerry Shepard	19
K1XJ	Kevin Buchanan	19	N1HCA	Susan South	19	WB1GYZ	Bob Biancur	20
KB1CIW	Bob Stephens	20	N1KGY	Chuck Ayers	20	WB8IMY	Steve Ford	20
KB1EHE	Eric Knight	20	N1LGH	Barbara Stone	19	WV2LKM	Steve Waldmann	20
KB1FYL	Bob Carruthers	20	N1MOB	Dan David	19		Ron Rogers	20
KB1HCC	Jonathan Winslow	20	N1NAN	Helen Spokes	20			
KB1IFZ	Elsie Mathews	20	N1OKF	Bob Parisi	19			
KB1JL	Eric Olsson	20	N1OKR	Frank Ciccone	20			
KB1MFU	John Ramadei	20	N1POP	Greg Ploski	19			
KB1ORB	Mark Noble	19	N1YLN	Edward O'Lena	20			
KB1SIT	Teresa Stephens	20	N1ZN	James Savage	20			
KB1SSN	Alex Dills	20	NZ1J	Dave Tipping	22			
KB1TJD	Gainne Jenkins	20	W1AJK	Andrew Kazimer	20			
KB1TMC	Clare O'Lena	20	W1DJB	Dylan Barrett	19			
KB1YFJ	Glen Couture	20	W1DQ	John Elengo	20			
KC1DOY	Ted Renzoni	20						
KC1FJJ	Richard Nagy Jr.	19**						
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...