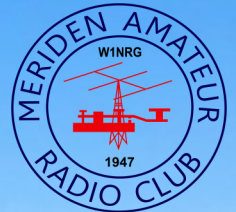


KEY KLIX

MERIDEN AMATEUR RADIO CLUB

1947 - 2018

JANUARY



2018

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

PRES W1KKF BILL WAWRZENIAK VP N1API AL KAISER SECT KC1SA STEVE ALLEN
TRES K1WJL DAVE SWEDOCK S.A.M. K1RCT ROB CICHON

******ALL MEETINGS ARE AT 7:30PM**** ON THE 2ND & 4TH THURSDAYS OF THE MONTH,
AT THE EOC / HOPE HILL FIREHOUSE 143 HOPE HILL ROAD, WALLINGFORD
****WHEN SPECIFICALLY ANNOUNCED, A SPECIAL ACTIVITY MAY START AT 6:30PM******

Dues

The 2018 Dues have been restructured, \$20 per year for Kids (in this club, that's actually anyone under 65) or \$15 for Seniors(65 & over---most of the club). The family member category has been discontinued. See Dave K1WJL or Please make checks out to the MARC and send to M.A.R.C. POB 583, Meriden CT 06450. Multiple year Dues will be accepted. The Editor / Treasurer will now place a year after your call on the last page in the Member List to denote what year your dues are **paid up through**. So if you see a 18 after your call, you are all paid up, if you see a 17 then you owe for 2018 etc....

Please be patient as there may be a time lapse(treasurer's brain fart) when transversing between the official excel files and the last page of the Key Klix ,where you see what your dues year is paid up to....Just send a friendly reminder to the Treasurer and it will be cleared up asap....

January Business Meeting

Thursday January 11, 7:30pm at the Hope Hill EOC Building....Normal business meeting followed by a special Auction....

Special Auction with items donated by K1IIG, Steve & K1SEZ Paul

Items donated by Steve K1IIG

KENWOOD TW-4000 2M/440 TRANSCEIVER in good working condition

CUSHCRAFT 10M RINGO RANGER. (New in the box)

BUTTERNUT HF VERTICAL (New in the box)

AUSTIN 2M BASE STATION VERTICAL (works great)

440 BASE STATION VERTICAL

(2) 40' ROLLS OF RG-214 DBL SHIELDED SILVER BRAID

WIRELESS HEADSET (Good Range)

OTHER MISC EQUIPMENT

**Paul, K1SEZ donated:
MFJ 434B Voice Keyer
Logikey Keyer model K-3**

Chris Sievert WA1VXH Silent Key



Christian D. Sievert, 63, of Meriden, died Saturday, Dec. 30, 2017 at Hartford Hospital. He was the beloved husband of Donna (Northup) Sievert. He was born in Meriden, Jan. 17, 1954, a son of the late Carl and Adeline (Hintz) Sievert. Chris was a long time EC for Wallingford going back to the Ernie Frattini days. He was currently the clubs emergency communications liaison to the town OEM as OEM communications officer and as ARES Emergency Coordinator (EC) for the town of Wallingford. His duties were to coordinate EOC communications from the town's main EOC located at the Police Station with representatives from all other town departments to our backup EOC. He would assist in assigning EOC member duties during an emergency. He was also an Elmer instructor for our first 2017 class which got four new hams licensed. Chris spent his whole career in communications, He started as manager of various Radio Shack stores, then went on to handle communications real estate for the Chase family business included the Gold building in Hartford and Channel 61 TV. He then got the job he wanted, working for Motorola. He was a service shop manager for a while (West Hartford shop) and he may have also worked for Howard McAuliffe communications in Middletown for a while. Chris's last 2 projects were the implementation of the Motorola upgrade to the Mass. State Police and then onto the CT State Police until he retired. He was a Mason and had been an active member of St. John Lutheran Church. In addition to his wife, Donna, he is survived by his daughters and sons-in-law, Jennifer and James Kapustinski, and Lauren and Derek Sellew. He was predeceased by his brother, Frederick ""Rick"" Sievert.

A funeral service was held on Wednesday, Jan. 3 at 10 a.m. at St. John Lutheran Church, 520 Paddock Ave., Meriden. Interment was in Gethsemane Cemetery in Meriden. In lieu of flowers, gifts in his memory may be sent to [St. Jude Children's Research Hospital](#) , P.O. Box 1893, Memphis, TN 38101; or to the [Shriners Hospital for Children](#) , 2900 Rocky Point Drive, Tampa, FL 33607.



Secretary Report & Minutes of Meriden Amateur Radio Club (M.A.R.C.) **DECEMBER 2017**

Secretary Report & Minutes of Meriden Amateur Radio Club (M.A.R.C.) **December 2017**

Officers present: Bill (W1KKF), Al (N1API), Dave (K1WJL) Steve (KC1SA), Rob (K1RCT).

The December meeting was the MARC club annual holiday party. A total of 48 folks attended which is about the same as past years (2016 – 53, 2015 – 40). The cash bar opened at 6PM and the buffet started at approximately 7:15PM. Attending members and guests shared stories over drinks and excellent food at Serafino’s Restaurant in Wallingford.

Announcements & Recognition–

Ed (W1YSM) kicked the meeting off by introducing our Club President Bill (W1KKF). Bill proceeded with the activities by having everyone introducing themselves and their guests. A moment of remembrance for Dan Murphy (W1DMM). Dan was club secretary for many years, drafted the club constitution and was instrumental in building the Nutmeg Hamfest. Dan passed earlier this year.

Steve (K1IIG) has some antennas and coax that he is donating to the club. At the January meeting an auction will be held to distribute these items.

Betsey Doane (K1EIC), Assistant Section Manager, congratulated MARC on our 70th anniversary.

Anne West (K1STM), Section Traffic Manager, congratulated the club on our 70th anniversary and for being such and active club.

Rob (K1RCT), club station manager, gave an overview of our contesting efforts throughout the year. A highlight was having 62 folks participate in Field Day which we place #12 for 2F class in North America and number 2 for the number of participants in North America!

Eric (KB1EHE) announced a contesting station on Aruba that he and Elsie are attending this July. If interesting in learning more about this contact Eric.

Al (N1API) gave a review of 10-10 Castle Craig.

John (K1LYP) reviewed the educational session he held this past year. Several new Amateur Radio folks made it through these classes and are now license holders.

Steve (KC1SA) announced membership growth in 2017 in which we added 18 new members, 4 of these new members attended tonight’s party. We now have 92 members.

Dave (K1WJL) gave a quick recap of Key Klix. Dave started writing Key Klix back in 1964! Well done Dave!

Don (KE1AY) gave a review of our VE sessions we held in 2017.

Bill reported The Nutmeg Hamfest was very successful this year.

Membership - We voted in two additional members into the club; Scott Mowerson – KC1IHK

Matthew Mowerson – KC1IIL This brings the roster to 92!

Officers for 2017 -

As a reminder, officers for 2017 remain the same as 2016;

President:	Bill (W1KKF)
Vice-President:	Al (N1API)
Treasurer:	Dave (K1WJL)
Secretary	Steve (KC1SA)
Station Manager:	Rob (K1RCT)

Presentation –

Maria Bouffard, Director of Emergency Management at Yale, gave a very interesting presentation detailing highlights of Yale’s Emergency Management and efforts in Puerto Rico in the aftermath of the recent hurricane.

Awards –

Bill (W1KKF) presented the two MARC awards this year to: Elmer of the Year - Steve Allen (KC1SA)

Ham of the Year - John Yusza (K1LYP)

Steve and John, congratulations!

Meeting was closed at 9:30 PM



**2017 MARC HAM OF THE YEAR
JOHN YUSZA K1LYP**



**2017 MARC ELMER OF THE YEAR
STEVE ALLEN KC1SA**



**XMAS PARTY PIXS COURTESY OF
W1YSM, AB1DQ, WB1GYZ & KB1EHE**





**GUEST SPEAKER MARIA BOUFFARD
YALE UNIV, EMERGENCY MANAGEMENT DIR.**



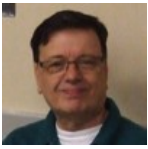
BETSEY K1EIC ASST S.M.



ANNE K1STM, CT-NTS







Castle Craig Chapter, 10/10 News AI N1API, Chapter Head

There will be a Castle Craig Chapter Net on Friday February 2nd 2018 on the club net frequency of 28.375. The purpose of this net is to kick off the 10-10 Winter QSO Party. I hope that all club members will join in. Even if you do not have a 10-10 number you are worth 1 point to the rest of us who do and are submitting logs. The QSO party runs from 0000 UTC February 3th 2018 to 2359:59 February 4th 2018.

If you are a paid up 10-10 member your support of the club, and our chapter would be appreciated. Please make as many contacts as you can, and submit your log for credit. Remember to mention that you would like to credit Castle Craig Chapter of 10-10 with your score. Log submission must be made by 2/12/2018 and is a simple process using the robotat: <http://hamclubs.info/scorer/>. You can also mail your log to the contest coordinator Dan Morris KZ3T, 3162 Covington Way, Lenoir, NC 28645.

We will start taking checkins at 6:45 PM local time, (23:45 UTC), and I will be the Net Control. I would like a station to help with relays if needed. The procedure is simple. At 7 PM local time, (0000 UTC Feb. 4th), we will start from the top of the list, (myself), and I will give my 10-10 information, that is Call, Name, QTH (state), and 10-10 number. The next station will be called and that person will give their information and then stand by. We will proceed to the bottom of the list.

The procedure is then repeated from the top to bottom of the list, except you will call all stations that you heard and QSL their information. If you need a repeat on any information this is the time to ask for it. Once the last station is called they should have no calls to make because everyone has called them. I expect that this net should last no more than about 20 minutes.

Also, as you talk to local, (Connecticut), stations on 10 meters and also on the different bands please mention this QSO party and ask them to check 10 meters at times during the weekend to participate. Please remind them that if they are in the local ground wave area and members of 10-10, that The Castle Craig Chapter of 10-10 is their local chapter and we would appreciate their support for the QSO Parties. We've seen a few non MARC club members submitting their score for the chapter. We'd like to see more. Castle Craig usually finishes pretty well in the chapter standings. We'd like to do better.

If you have your collected 10-10 numbers sitting *now* is the time to send them in or go to the 10-10 web page at <http://www.ten-ten.org/memship.html> and either use the online shopping cart to join or fill out a paper application and mail it in. There is a special three year incentive plan for \$40.00 or you can join for the basic \$15.00 a year. 10-10 has a membership plan with electronic delivery of the 10-10 News and there are special rates for new and rejoining members of \$10.00 for one year and a three year incentive for \$25.00. It takes about three weeks to get your number back via mail but if you apply online your new number will come via email in just a few days. Remember you need to be a paid up member for your log to count for awards and also toward the club score. A good incentive for joining is that ALL 10-10 awards are FREE, and most if all do not require QSL cards and can be applied for via email. You will receive award certificates by return mail, (or), for many, you can ask for a PDF certificate to put in your computer or post on your web pages.

Even if you've decided that you are not interested in becoming a 10-10 member, you can still get on and give contacts out to those who are working the QSO Party. Your point will be welcomed. The 10-10 Officers and volunteers realize that 10 meters is in it's poor sunspot time but they still encourage everyone to work the QSO parties, check 10 meters out and make as many contacts as they can. 10-10 was formed to keep 10 meter active so that it is not lost to other services and that idea is still paramount in the organization's concepts.

Please plan to attend and get the Winter 10-10 QSO party off to a rousing start!

-73- AI N1API

Castle Craig Chapter Chapter Head and Certificate Manager



Activity Nights & Events, Ed W1YSM

Thursday Jan 25 7:30pm

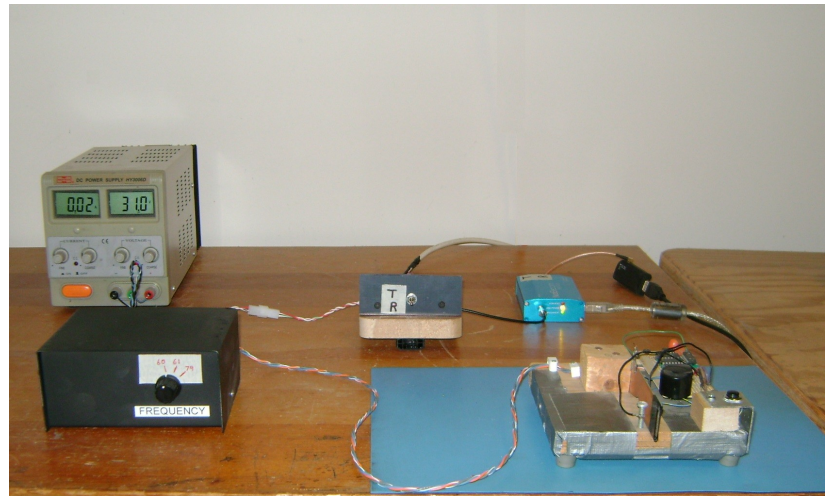
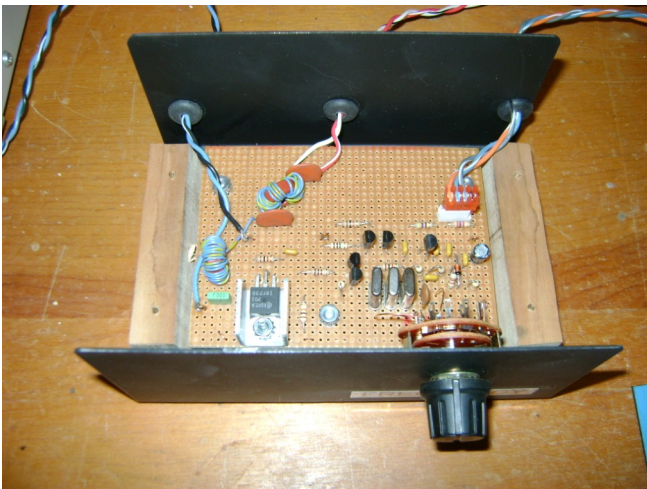
Everything you wanted to know but were afraid to ask about the ARRL National Traffic System, by Anne K1STM and John K1LYP. They will discuss NTS Traffic Handling and the Traffic System in CT and Beyond. Topics of discussion include History of NTS, What is traffic, How is it passed, Formatting messages and a K1LYP slide show. After the meeting, any traffic generated during the meeting, will be passed from the EOC at 8:30pm to WesCon by K1LYP or W1YSM or K1STM.

My First HomeBrew Transmitter Dave Tipping, NZ1J

I joined MARC this past year and became active in Amateur Radio again after being on the sidelines for more than 20 years. I had sold most of my gear quite a while ago and had no HF equipment. Rather than buying a transceiver right away, I decided to give homebrewing a try. I found myself listening to the HF bands on a very good Web-Based Software Defined Radio (SDR) that is located in eastern Pennsylvania. Realizing the SDR could serve as my receiver, I started work on a QRP transmitter. To minimize the risk of failure, I chose to build a simple crystal controlled 80 meter CW transmitter. I'm lucky enough to have an oscilloscope, an RF signal generator, and a variable power supply. The Pennsylvania SDR also turned out to be a very useful troubleshooting tool, which allows us to hear our own signals. In addition, some very talented hams have posted a lot of details about good QRP designs. With all these tools available, I never ran into a problem that I couldn't find a way around.

In the process of building the transmitter, I learned quite a bit about the three main parts of my simple transmitter - the crystal oscillator, power amplifier, and pi filter. And, I was happy to see that crystals, power FETs, and toroid cores are pretty inexpensive. When I got to the point that I could transmit a clean 1 watt carrier, I connected a paddle and keyer that I had built quite a while ago, put up a dipole, and made a few contacts. The Pennsylvania SDR worked out as a temporary receiver.

I've refined the transmitter some more and now consider it to be complete. It can operate on three crystal controlled frequencies and produces 5 watts. I made a transmit/receive switch and coupled it with an SDR and an upconverter from NooElec. I hope to continue using this setup on a regular basis and I hope to find another radio project that works out as well for me as this one has.



And a footnote from Dave NZ1J & Nancy KC1NS

Our son in law, Dylan Barrett got licensed as a General at last month's VE session with the call KC1ISG. He has now received his vanity call, W1DJB. And, he's been practicing morse code for the past few weeks. We think he's off to a good start.

Club News

Congratulations to:

KC1IHK Scott Mowerson & his son Matt KC1IIL are new Hams and also new MARC members...Welcome

Seth W1RPN for passing his general exam

Eric KB1JL as his daughter Kristin passed her exam (Congrats) and is now KC1ISI and his son Andy is K4AVM, currently residing in Virginia...

Steve KC1SA back into the corporate world as a traveling salesman (for High Tech Parts)..

Jim N1ZN is officially part of the Retirees Club, more time for "Hamming & Fishing"...(not necessarily in that order),....

DXpedition to Aruba July 13

There are already four ham-radio couples going on this summer's radio contest + mini-vacation DXpedition to Aruba. The contest is always the second full weekend in July. Here are the particulars (with a link to the rules): <http://www.iaru.org/contests.html>

But the more the merrier! Eric & Elsie have booked one of the top contest stations on the planet -- where worldwide contests have been won: P49V

The QTH is a fully furnished, air conditioned home with two complete stations and a great antenna farm. E & E have operated two contests from this location. Check out the accommodations

here: www.p49v.com. Browse the stunning photos.

Eric says, "With the surrounding ocean, and because of the incredible antenna farm, 100 watts is like a million. One CQ and it is a continuous inward pileup. To top it off, we would most likely operate the contest as P40HQ. HQ stations in the IARU World Championship contest are big multipliers. That drives the pileup even further. It is a wild, fun ride!"

Eric says this is more than a contest, but a fun mini-vacation: "Folks can fly to Aruba and be there for as short or as long as they'd like. You could be there for just the weekend. Or make it a mini-vacation with the contest sandwiched in the middle. The thought would be to operate the contest just like our recent Field Day, with a whole bunch of people taking small shifts each. That way, we all can enjoy the fun of Aruba (including our XYLs) for maximum time. Each person can operate a lot, a little, or none at all. And, the day after the contest, we think it would be great to celebrate as a group with something extra fun. For instance, the Sunset Cruise on the Jolly Pirates' schooner: <https://www.jolly-pirates.com/cruise/sunset-sail>."

Eric & Elsie are in Aruba -- right now -- as you read this issue of Key Klix. This is their 18th trip, so they are Aruba veterans. They are hanging out with the two proprietors of the P49V QTH, fellow contesters Jean-Pierre Lauwerijs (P43A) and his XYL Cristina (P43C). Check out the fun photo here: <https://photos.app.goo.gl/2Jx2hofLb59fvLBA3>

Eric also snapped this picture of the antenna farm for your review: <https://photos.app.goo.gl/OS6pA08xJieYMfHu2>

If you'd like to learn more, send Eric an e-mail at ericknight@gmail.com



The clarity of glass

Well some of you know I had to relinquish my trusty 2002 VW Passat to the place where all old cars go.... to the dealer for a trade in. The Passat was a trust worthy vehicle that made to the 195k mile mark before starting leaking bodily fluids (comes with age I guess). My new car is a RAV4 Hybrid. With the Passat I used a TRAM mag-mount 2m/440 for my vehicle radio (Baofeng HT). After three plus years of use the VW's paint was marred up pretty good where the mag-mount was usually placed. So when I moved to the RAV4 I didn't want the same to happen.

My options were limited and since this was a 'company' car I had to be careful about aesthetics. After a little research I decided on the TRAM 1191 glass mount 2m/440 antenna. Tinted glass, which the RAV4 XLE Hybrid windows have a very dark tint, can contain metal (which would be a bad thing for a through the glass antenna). Everything I found in my research showed that most factory tinting processes do not use a passivated process for tinting, however aftermarket tinting does use a passivation process so a through the glass antenna may not work in the case of aftermarket tinted windows. The results were good. The antenna came in at roughly \$21 shipped.

Installation took about 5 minutes. Tuning the slug on the 'match box' took another 10 minutes. So within about an hour after receiving the antenna all was good. SWR came in less than 1.5:1 on both 2m and 440, although I could tune one or the other band for a 1:1 SWR but having both bands was important so the compromised tuning was done. The antenna works great with my Baofeng and my TYT DMR HT.

No, it's not a Buick....

BUT these floor mats were from the XYL's first car. *Any guesses?* Here are some clues; 11 MPG, although we constantly got under 9MPG (the car they are in now gets about 4X the MPG) American made, before 1970.

430 cubes, 4-BBL carb

360 hp

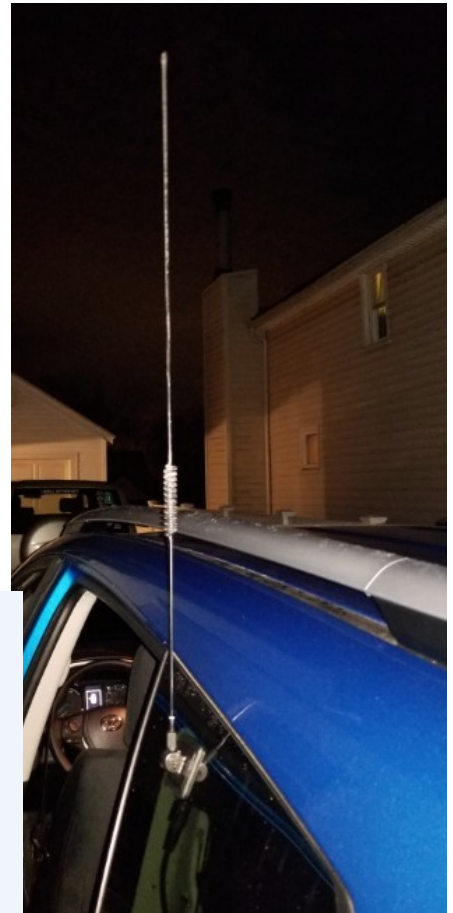
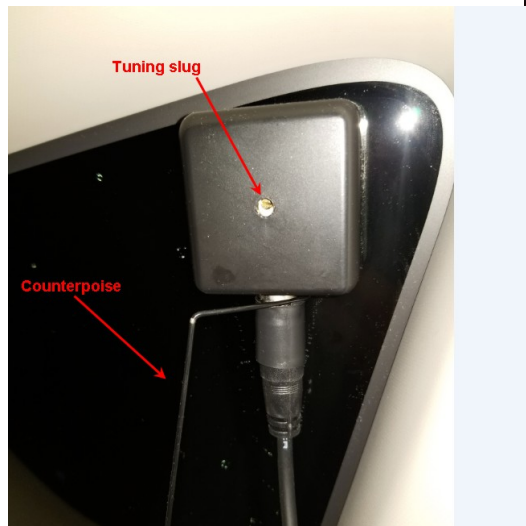
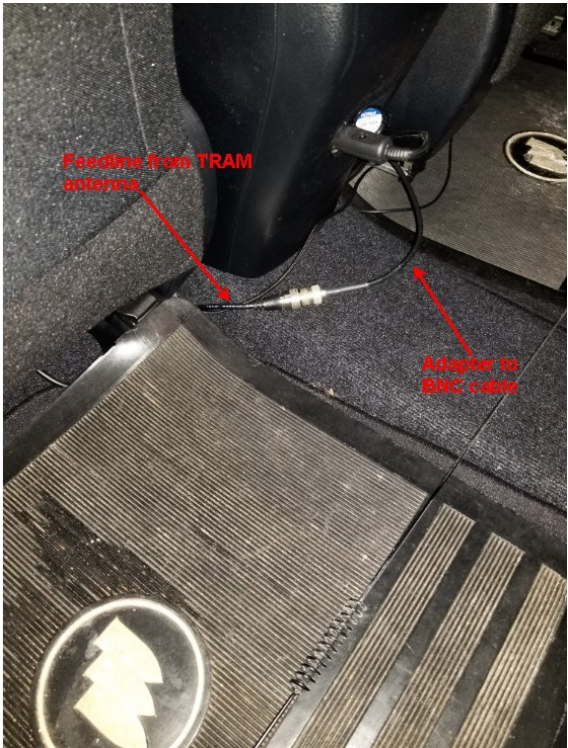
At 25 miles per hour you could still burn rubber if you punched it.

So long was the car it had two drive shafts with a mid-ship u-joint.

One of the prettiest cars of its time and I've kept the floor mats all these years, the rest of the car became a Toyota or Datsun many years ago.

Sounds like a good contest for Key Klix.

Steve – KC1SA



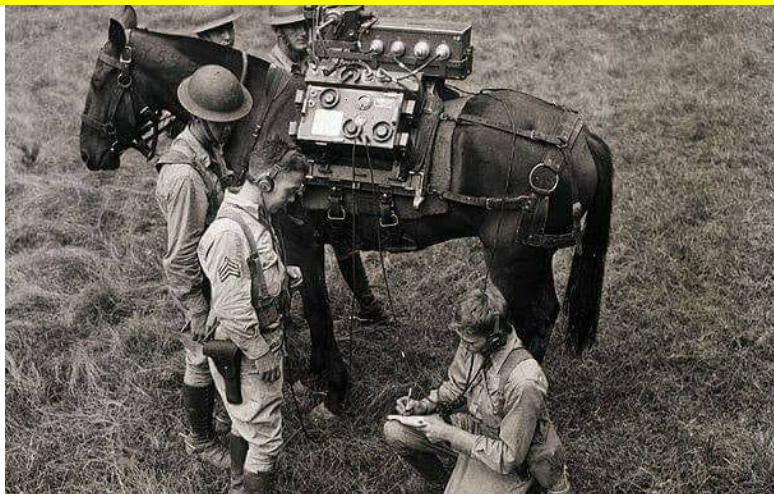
**NEW MARC TRIVIA QUESTION
WHO IS THIS YOUNG MARC MEMBER???**



**CLUE——ITS NOT MICHAEL ANTHONY HALL FROM
16 CANDLES & WEIRD SCIENCE, FAME.**



**THIS IS THE ORIGINAL GO-BOX (GO-HORSE) OF THE MARC.....
(TNX -N1GNV FOR PIX)**



W1NRG open Saturday Mornings at the EOC:

The W1NRG club station will be / is open on Saturday mornings from about 9am to about 1pm. The rigs will be available for operation providing you have been checked out and someone will be there to assist you in that category, either John K1LYP, Rob K1RCT, Eric KB1JL or a host of others. We have been getting between 7 and 15 people dropping by, coming and going, each Saturday morning. We have coffee, & donuts&...., numerous discussions about the state of the art of ham radio, and various people operating one or both of the club HF stations. We have had discussions about DMR, Emcomm, contesting, antennas, traffic and digital and just about anything else. Eric KB1JL finds it to be a learning experience as we all exchange our knowledge, hopefully the same for everyone else. Its a great venue for informal discussions among club members and friends and future members as there is often not enough time on business meeting nights or activity meeting nights, due to scheduled programs.

John K1LYP has and will set aside time to go over questions and theory for those wishing to pursue their ham licenses or upgrade them to a higher class. The group knowledge is always more robust than any one individual.

Seth W1RPN came in and made his first HF contacts, as did Kristin KC1ISI, working Spain on 20 SSB. . This past Saturday Mike K1LHO gave another presentation on the shark open spot DMR hotspot and how it works, while Jeff N1AKN was explaining antenna theory and HF mobile to Mark (dont remember his call, he wants to join the club.) Operating on Saturdays is a good way for club members to familiarize with the station, the rigs, and with N1MM logging software. We also exercise and charge the various go kits. Thanks to N1GNV we now have go kits for for FRS and CB as well as the VHF/UHF ones. On Saturdays the Fire dept comes and exercises the ladder truck and we have opportunities to interact with them.

INFORMATION PAGE

MERIDEN AMATEUR RADIO CLUB

PRESIDENT.....W1KKF BILL WAWRZENIAK
VICE PRES.....N1API AL KAISER
SECT.....KC1SA STEVE ALLEN
TRES.....K1WJL DAVE SWEDOCK
STATION A.M...K1RCT ROB CICHON

MEETINGS:
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

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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

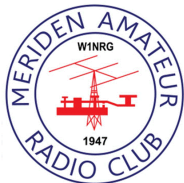
SENIOR DISCOUNT 65 & UP--\$15

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	19	KC1AYL	Mike Meadows	17	W1DQ	John Elengo	18
AB1HB	Charlie Dudac	18	KC1CYC	Harry Shaefi	17	W1KKF	Bill Wawrzeniak	L
AF1HS	Art Fregeau	18	KC1EVI	Gerard Carriera Jr.	17	W1LV	Steve Morley	17
K1IIG	Steve Tripp	18	KC1FJJ	Rich Nagy	17	W1NDT	Bob Lombardo	18
K1JCF	Joe Farrell	17	KC1GEV	Carl Nilson	17	W1NHS	Fred Ring	17
K1JTH	John Hart, Jr.	17	KC1GLM	Robert Speers	17	W1POP	Fred Liedke	18
K1LHO	Mike Ash	18	KC1HDB	Jeff Martin	18	W1RPN	Seth Kolasinski	18
K1LYP	John Yusza	18	KC1HFO	John Stoidis	18	W1SKP	Skip Paquette	17
K1MMK	Mike MacKennedy	18	KC1IIK	Scott Mowerson	18	W1UFO	Mike Cei	17
K1MVM	Mike Macri	18	KC1IIL	Matt Mowerson	18	W1VCU	Nelson Denison	L
K1PU	Mark Mokoski	17	KC1NS	Nancy Tipping	18	W1YSM	Ed Snyder	18
K1RCT	Rob Cichon	18	KC1SA	Stephen Allen	17	W7FUR	William Spokes	18
K1RJC	Rick Castaldo	17	KD1JG	Robert Cartier	17	WA1FFT	Ray Irwin	18
K1SEZ	Paul Ciezniak	18	KE1AU	Robert Kaczor	18	WA1JKR	John Rogus	18
K1STM	Anne West	18	KE1AV	Dave Sanford	17	WA1SFH	Douglas Sharafanowich	18
K1TDO	Todd Olsen	18	KE1AY	Donald Mitchell	18	WA1TRY	Rich Aubin	L
K1TG	Roger Kuchera	17	KE4EYA	Ralph Ring	18	WA1ZVY	Jim Martin	17
K1TGX	Jerry Molaver	17	N1API	Al Kaiser	18	WB1GGP	Jerry Sheppard	17
K1THP	Dave Karpiej	17	N1AKN	Jeff Dwyer	18	WB1GYZ	Bob Biancur	18
K1VDF	John Blevins	18	N1POP	Greg Ploski	17	WB8IMY	Steve Ford	17
K1WJL	Dave Swedock	18	N1BF	Patrick Dionne	17	WJ1B	Harold Kraemer	17
KA1TMN	Steve Hull	18	N1GNV	John Bartscherer	18	WV2LKM	Steve Waldmann	18
KB1CIW	Bob Stephens	17	N1GY	Geoff Haines	19	WY1U	Tim Mik	17
KB1EHE	Eric Knight	18	N1HCA	Susan South	17			
KB1FYL	Bob Carruthers	18	N1JRC	John Collin Jr	18			
KB1GWP	Joseph Rish, Sr.	18	N1LGH	Barbara Stone	18			
KB1HCC	Jonathan Winslow	17	N1NAN	Helen Spokes	18			
KB1IFZ	Elsie Mathews	18	N1OKF	Bob Parisi	18			
KB1JL	Eric Olsson	17	N1OKR	Frank Ciccone	17			
KB1SIT	Theresa Stephens	17	N1VTE	Sarah Kaczor	17			
KB1TJD	Gaianne Jenkins	18	N1ZN	James Savage	18			
KB1TTV	Jonathan Martin	17	NY2HF	Dennis Lane	18			
KB1YFJ	Glen Couture	17	NZ1J	Dave Tipping	17			
KB1ZMK	Dan Busa	17	W1ATV	Walt Yatzook	17			

We are not fully updated
 On dues...if your date is
 wrong, send a note to
K1WJL