

Celebrating 70th Year Anniversary
MERIDEN AMATEUR RADIO CLUB
 1947 - 2017



FEBRUARY 2017



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

BUSINESS MEETING THURSDAY JAN 12 / ACTIVITY MTNG THURSDAY JAN 26
 ALL MEETINGS ARE AT 7:30PM ON THE 2ND & 4TH THURSDAYS OF THE MONTH,
 AT THE HOPE HILL FIREHOUSE 143 HOPE HILL ROAD, WALLINGFORD

Club Member News

The Meriden Amateur Radio Club extends its sincere condolences to Haggie Winslow KB1HCC on the passing of his wife Sylvia.

The MARC is wishing speedy recovery to Dave K1THP who had spent some time in the ICU when a speeding file cabinet clipped him while he was operating in his shack... The filing cabinet was issued a ticket for excessive speed but the case was "filed" away.....

New location / New Requirements

At the Jan 26 meeting we heard from Lenny of the Wallingford EOC, who discussed the new WFD regulation to have all of the MARC members who use the building on a regular basis to fill out background verification forms. It was mentioned that some members live out of state, some very rarely attend for one reason or another, and some might be one-timers like guest speakers, etc, who do not have to fill out the form. We have come to the conclusion that you do not have to be required to sign this form to be a member of the Meriden Amateur Radio Club. However, if you would like to use the club station and attend meetings on somewhat of a regular basis, then we would sincerely appreciate your signature to appease the Town of Wallingford for use of the building. It is a small price to pay for the use of a permanent station and really nice meeting facilities, plus they gave us a fire truck too.

See Steve KC1SA for forms.....

NAQP

The MARC made its mark on the North America QSO Party with another fine showing,

Operator(s) : W1YSM, AB1DQ, KC1GLM, K1STM, KC1SA, K1RCT

Band QSOs Pts Sec Mt2 Pt/Q					
3.5	52	52	22	1	1.0
7	60	60	27	0	1.0
14	21	21	12	0	1.0
21	2	2	2	0	1.0
Total	4	135	135	63	1 1.0

Score : 8,640 First contest at our new location at Hope Hill / OEM Wallingford

Welcome to new member WA1FFT

Ray Irwin WA1FFT was recently voted in and we welcome Ray who resides in North Haven and is an Extra Class licensee.

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



ED W1YSM
 MARC Meetings Activities Manager
 MARC Manager of Meetings
 MARC Meetings Activities Director
 MARC Chief Event Officer
 MARC Special Event Coordinator

WHATS HIS TITLE????
 MARC MAM?
 MARC MOM?
 MARC MAD?
 MARC CEO?
 MARC SEC?

MARC Quality Resource Manager
 MARC Meeting Activities Resource Coordinator
 MARC QRM?
 MARC MRC?
 MARC SPAM?

Whatever you want to call him, ED W1YSM is doing one hell of a job!! THANKS ED!

MARC ACTIVITIES MEETING Feb/Mar/ May (April not chosen yet.)

February 23, 2017

6:30pm SHARP An Introduction to Packet Radio (Packet 101). ATTENDANCE IS OPTIONAL

Speaker is: N1URO, Brian Rogers from Unionville and expert in Packet Radio and EastNet coordinator:

Place: Hope Hill Club House

Host: K1LYP John

Time 6:30pm – 7.25pm

7:30p An Introduction to NIMM Logging program

Speaker Rob, Steve

Place: Same

Time: 7:30pm – 8:30pm

MARCH 23, 2017 ACTIVITIES MEETING

6:30pm SHARP Packet Radio (Packet 201). ATTENDANCE IS OPTIONAL

Speaker is: ?? N1URO, Brian Rogers from Unionville and expert in Packet Radio and EastNet coordinator:

Place: Hope Hill Club House

Host: K1LYP John

Time 6:30p – 7:25p

Note: May be another guest speaker TBA (Larry Buck?? – K1HEJ)

7:30p Go Boxes / Go Kits HOW TO MAKE ONE, WHAT THEY CONTAIN.

Speaker Chris, Eric, John, etc.

Place: Same

Time: 7:30p – 8:30p

All are invited to bring their Go Boxes for Show and Tell.

WHAT'S TO COME:

MAY 25 QSL BUREAUS BY Eric Williams KV1J

UR A LID TOO!

Recently, while thumbing through my first radio log, I noticed the word lid prominently emblazoned next to the call-sign of several operators on the first two pages. Each QSO was dutifully recorded with the labored scrawl of a newly licensed 12 year old. The year was 1960.

It didn't matter whether I had called CQ or had responded to one, inevitably, and usually early in the QSO, I was called a lid. Total strangers were giving me the worst insult one ham could give to another. It usually happened while exchanging routine introductory information of RST and QTH. I would turn it over to the other operator and wait for the dreaded reply: "so lid bob name hr is..."

I wondered what I was doing wrong. I sent decent code, I didn't say anything insulting or anything that could possibly be misconstrued. The first few times it happened I figured I must have hooked up with some seasoned hams who could tell I was new. But that's still no way to welcome a novice into the fold, no matter how bad his technique. Yet, the more I operated, the more it happened.

At first I stood my ground and when my turn came to reply to the insult, I'd say something like: "ur a lid too" and signed off without the usual pleasantries. I soon became disheartened to the point of tears, and just listened to QSO's in progress to find out if other hams were slinging the "L" word around so freely. Sure enough, I began to hear it often. Maybe I misunderstood the meaning of lid. Everybody was using it: "so lid psd to meet u" or "so lid cpy om." Then one day it dawned on me as no other revelation had before. I was dividing the word 'solid' into two words. Once past that hurdle QSO's went smoother, lasted longer, and my first of many QSL cards arrived in the mail.

73,

Bob, WB1GYZ (formerly KN1OVH)

Connecticut Radio Amateur Endows Collegiate Amateur Radio Initiative

A generous donation from Dr. Ed Snyder, W1YSM, of Wallingford, Connecticut, will endow a fund to support the ARRL Collegiate Amateur Radio Initiative ([CARI](#)). Snyder also has provided an additional contribution of "seed money" to help get the initiative off the ground. Snyder said that he hopes the "W1YSM Snyder Family Collegiate Amateur Radio Endowment Fund" will lead to the development of a national network of college Amateur Radio clubs under the aegis of ARRL and set up ways for these clubs to stay in close contact and communicate on the air, in meetings, and through other activities. "College Amateur Radio activities can provide the ideal bridge between youthful interest in the subject and life-long participation in our community," ARRL CEO Tom Gallagher, NY2RF, said. "Dr. Snyder, through his generosity, has provided foundational funding for this important mission." Gallagher recently wrote about collegiate Amateur Radio in a *QST* editorial, "Sis-Boom-Bah," which appeared in the December 2016 issue of *QST*.

Although he didn't become a ham until fairly recently, Snyder said he developed an interest in Amateur Radio as a teenager; his father and his uncle were involved with the retail side of radio -- his dad, Jack, worked at Allied and Lafayette, and his uncle, Ben Snyder, W2SOH (SK), was an executive at New York City's Harrison Radio. "My first radio was a Hallicrafters S-38E," Snyder told ARRL. "I could not put up an antenna to transmit, so I occupied myself as a SWL." Later, he got into collecting vintage and antique radios. "Last year while working at the Yale Medical School, James Surprenant, AB1DQ -- a Yale colleague -- came to my office and noticed the antique radios. Twenty minutes later I had found my elusive Elmer," Snyder recounted.

Within a few months, Snyder had earned his Technician, General, and Amateur Extra tickets, and he became a Volunteer Examiner and traded his first call sign, KC1FCJ, for W1YSM (Yale School of Medicine). Soon, he found himself as secretary/treasurer and net control station of the once-inactive, but now newly reinvigorated, Yale Amateur Radio Club (W1YU), as well as the chair of the Meriden (Connecticut) Amateur Radio Club Activities Committee. "I have an awful lot of lost time to make up for," Snyder said wistfully. Snyder said he wanted to give something tangible back to Amateur Radio and to honor his family members' prominent association with Amateur Radio. "The idea of setting up an endowment through ARRL seemed like a perfect solution," he said. "I want to focus on collegiate Amateur Radio and hope that the W1YSM Snyder Family Collegiate Amateur Radio Endowment will help ARRL focus some of its efforts on getting college club stations back on the air and active. Amateur Radio needs to have a bigger impact in this age of cell phones and digital communications." Snyder, an M.D. and a professor of laboratory medicine at Yale, said he believes his father and his uncle would be pleased to know how active he's become in Amateur Radio. "This may be my hobby, but it is their contributions to an earlier era of radio that I hope to commemorate," he said. Visit the ARRL Collegiate Amateur Radio Initiative ([CARI](#)) Facebook page to learn more and become involved



ARRL CEO Tom Gallagher, NY2RF, accepts a donation from Dr. Ed Snyder, W1YSM, while ARRL Development Manager Lauren Clarke, KB1YDD, looks on. [Sean Kutzko, KX9X, photo]



Making up for lost time: Dr. Ed Snyder, W1YSM, at the Meriden Amateur Radio Club's 2016 ARRL Field Day.



From Steve KC1SA: Some folks were asking if there would be CPR training at the EOC. This just came out and sent to the MRC. Give the number a call if you are not an MRC volunteer and see if you can attend if you are so interested.

Hello MRC Volunteers, Happy 2017!

It's a New Year with new MRC training opportunities. As always, trainings are free to current and potential MRC volunteers. Help us increase our volunteer numbers, invite a friend!

You are invited to attend:

MRC Unit Trainings

CPR/AED Certification: Saturday February 25th 2017, 9-11:30am. MRC Building 143 Hope Hill Road, Wallingford, CT 06492.

Blood borne Pathogen Training: Tuesday March 21st 2017, 6pm-7:30pm. MRC Building 143 Hope Hill Road, Wallingford, CT 06492.

First Aid Certification: Tuesday April 18th 2017, 6-8:30pm. MRC Building 143 Hope Hill Road, Wallingford, CT 06492.

Space is limited to register please email mrccordinator06492@gmail.com or call the Wallingford Health Department (203) 294-2065.

HAM-RIDE Project by K1STM

Shortly before Christmas, I had some thoughts on how to help MARC members who can not drive to get to meetings and activities. I put my project on hold to establish a better plan of action. My goal is to develop a pool of members who are willing to drive other members to meetings and/or club activities. Reasons for not driving include, but are not limited to, visually impaired or blind, can not drive at night, spouse has car, vehicle in shop for repair and a host of others. The driver pool can be few or many. There is no limit. I will begin my project by asking members who would be willing to offer rides to contact me. I'm also hoping the pool will consist of enough drivers so no one carries the burden of constant driving. I will also ask members who can not or choose not to drive to contact me so I can pair drivers with non driving members. Of course, non driving members or drivers, can pair themselves but I will help where needed.

If you are interested, please call or email me with your name, call and phone number. I will get back to you to request more info like where you live and the area in which you would be willing to drive. I will make lists of drivers and non drivers who would like to participate. Information I collect will be kept confidential and given out only when needed. I will need some specific info from both drivers and non drivers to pair appropriately. I live in Southington and wouldn't pair myself up with a driver from New Haven for example. I will add that I'll need some help with geography as I don't know Meriden, Wallingford, Cheshire, Hamden and other areas very well. So, let's all work

together to establish a well oiled machine! I worked as a transportation coordinator many years ago and I'm excited about doing it for a great bunch of people. I look forward to hearing from you.

Anne West, K1STM
k1stm@frontier.com

860-628-6454 (Be sure to leave voice mail in mailbox 1 if no answer.)



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

The MARC January business meeting opened at 7:30 PM EST on January 12, 2017 with 20 members in attendance at the Hope Hill Road EOC.

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

The meeting was opened and chaired by President, Bill (W1KKF).

Announcements – Our next meeting is January 26th (activity meeting).

A 50/50 raffle was being held tonight, one dollar per ticket. In addition to the cash pot we raffled off a MFJ clock (K1IIG donated this to the club) and an ARRL 2017 Handbook (K1THP donated this to the club). Kids Day almost happened, weather put a damper on that event this past Saturday.

Introductions – All in attendance introduced themselves.

Secretary's Report – The December Secretary's Report was published on the W1NRG site and is recorded as read.

Treasurer's Report – Dave (K1WJL) gave a treasurers report. Dave gave details of accounting steps that need to be taken. There were no issues with Dave's recommendation and the report and recommendations were accepted. Steve (KC1SA) and James (AB1DQ) audited the financials of the club and reported that all looked in order.

Contributions – none.

Correspondence – Three membership dues were received, paid receipt for the P.O. Box and a QSL card from the US Islands event was received

Program & Entertainment – Ed (W1YSM) reported he's had some input for suggested topics for activities from some members. We have 10 activity meetings in 2017, here are some suggestions: N1MM, Go-Boxes, NTS traffic handling, ARRL field trip, etc. If you have suggestions, send Ed your thoughts (W1YSM@ARRL.NET). A poll will be taken at the January 26th meeting to see what topics are of interest.

The history of the club will be worked on by Steve (KC1SA). Steve is seeking old club articles of interest; much can be retrieved from older KK's. Ed will be asking for updates at each Business Meeting. If members have material that may be of interest please drop Steve a note (KC1SA@ARRL.NET).

A calendar of events Calendar was suggested by Ed, these could be sold to raise money.

A suggestion was made to have pre/post-meetings at our Activity Meeting days. Topics of interest could be discussed or training. These sessions could be either before or after the normal meeting times. Let Ed know what you think. The New England Section (ARRL) meeting was held in Springfield on January 7th, Ed attended this meeting representing our club. Meeting notes from the meeting was sent to all our club members by Dave (K1WJL).

Scholarship – Don was not present, expect next report in March or when Don returns. As a reminder, this year the scholarship is open to Meriden students and is \$1000. Rob (K1RCT) will check with one of the Meriden School Board members to see if they've heard anything on this.

Club Station & Facilities – Rob (K1RCT) presented status for the month. A lot has been done in the shack and we have much of the equipment up and running now. Some issues were found with the CW rig, the rig is only outputting about 20W. Rob is investigating.

Steve Waldman (WV2LKM) is our club librarian and has generated a list of what we have in our library. Eventually we will have some of these books on a book shelf. If you want to check out any of these books, see Steve Waldman and he will sign them out to you.

Rich (WA1TRY) reported he found a hand mic for our Kenwood rig and the wire bail for the rig too. Additionally Rich located a USB to ¼ inch jack for CW that could be used in the shack, he'll get to us too.

Nets –

6M – Jim (N1ZN) reported the number of check-ins. This Net is on 50.175 MHz each Monday at 8PM local time.

10M – John (K1VDF) gave a report of recent activity. This Net is on 28.375 MHz each Tuesday at 8PM local time.

2M – Todd (K1TDO) reported check in's for the 2M Net. This Net is on the 147.360 MHz repeater each Tuesday at 7PM local time.

Castle Craig – Next event with 10-10 is the February 4th and 5th is the QSO party. At 23:45 UTC (6:45PM local time) on February 3, 2017 Al (N1API) will hold a Net, please check in on this Net.

VE session – A VE session has been proposed for Saturday May 13, 2017. AI (N1API) will check to see if this date can be advertised in QST and on the VE page.

Key Klix – Dave (K1WJL) is always looking for articles from members so keep the information rolling into Dave.

Membership – No new members added.

Dave (K1WJL) reported our membership is at 75.

Interference and Technical – Nothing to report.

Repeater – Not discussed.

Hamfest – Not discussed.

Candy Store – Gold Medal Ideas now has several types of shirts and a hat has been added to our landing page for Meriden ARC on their web page.

Here's the link to Gold Medal Ideas: <http://stores.goldmedalideas.com/ygs>

AuxComm – Chris (WA1VXH) has been in contact with Len and others associated with AuxComm.. Bill (W1KKF) will contact Douglass (WA1SFH) to discuss.

Old Business:

Go kit – Committee meeting is scheduled for January 21, 2017 at the club house.

Education – Steve (KC1SA) reported he had a meeting with George Bikakis at Dag Hammarskjold Middle School. George is a STEP teacher and is putting together a Journalism group and thought Amateur Radio could fit in. It was a promising meeting. George will be meeting Lyman Hall HS, Sheehan HS, and Moran MS to see if enough students are interested in moving forward. By the next Business Meeting Steve will report back any responses from the Wallingford Schools.

New Business:

John (K1LYP) is looking for a 220Mhz antenna for the shack (we have a 220 rig in the shack). Rich (WA1TRY) said he has one he'll get one to John. Chris (WA1VXH) reported there may be required training associated with Auxcomm and our club. How do we keep track of who's trained on what?

Library literature list has been generated by Steve (WV2LKM). All our books are in the garage area of the EOC. It's a bit of an issue since we have a lot of books and really no place to display them (they are just stored for the moment in the garage area).

A committee was formed, chaired by Dave (K1WJL) with Ed (W1YSM) and Eric (KB1JL) to investigate the financial standing of the club. The committee will report its findings and recommendations at a future business meeting. The committee will investigate expenditures and income by the club, review current dues structure, holiday party costs and other costs by the club.

History of club: Rich (WA1TRY) will get the 'box' of historical information the Rich has back to 1947 to Steve (KC1SA).

Raffle Winners:

Cash – John (W1DQ); John donated back to the club.

MFJ Clock – John (K1LYP)

Handbook – James (AB1DQ).

Meeting was closed at 8:50 PM, the raffle followed.

Meeting Attendees on January 12, 2017

Call Sign	Name
AB1DQ	James Surprenant
K1LHO	Mike Ash
K1LYP	John Yusza
K1VDF	John Blevins
K1WJL	Dave Swedock
KB1JL	Eric Olssen
K1RCT	Rob Cichon
KC1SA	Stephen Allen
KE1AU	Robert Kaczor
N1API	Al Kaiser
N1BF	Patrick Dionne
N1ZN	James Savage
W1DQ	John Elengo
W1KKF	Bill Wawrzeniak
W1YSM	Ed Snyder
WA1TRY	Rich Aubin
WA1VXH	Christian Sievert
WA1ZVY	Tony, Jim Martin
WV2LKM	Steve Waldmann
N1OKR	Frank Ciccone



Nutmeg Chapter 149 Winter Luncheon

Saturday Feb 11, 2017

Nino's Restaurant

825 Saybrook Road, Middletown .

11:30am to 2:30pm order off the menu

Separate checks



—7:30 AM, I REALLY MUST SIGN NOW—

WILL YOU SHARE A HAPPY OR EXCITING EVENT : For our Feb.11 meeting, guess who **the speaker is!** Every ham has a story about his (her) most memorable, most enjoyable, saddest or most special QSO. Maybe one of your first contacts, maybe a DX contact, maybe finding a long lost friend, maybe when an irate wife broke in (See cartoon). Whatever it is, tell it to us. You needn't be bashful or be an orator because you'll be among friends. So think of something you'd like to share or brag about and let us enjoy it with you.

Pass our meeting information around to your friends, family or co-workers. Everyone is Welcome. No Reservations are required. Just stop by and say hello!

THIS IS A PUBLIC SERVICE MESSAGE, IT HAS NOTHING TO DO WITH THE FACT THE ACTUAL AVERAGE AGE OF OUR MEMBERS IS 102 AND THE PRESIDENT IS OUR OWN MARK K1PU...



Pictured above on an Aruba get-away are Elsie KB1FZ, Eric KB1EHE, Jean-Pierre P43A & Chris P43C caretakers of the P43V contest Station. Second picture is of the impressive antenna farm, check out more pixs at WWW.P49V.COM. It is available for rent, maybe a MARC-Field Trip????

Also snubbing their noses at us less fortunate but hearty New Englanders (who really enjoy cold weather, snow, blizzards, ice etc) are Don KE1AY suffering a miserable few months in the Caribbean with warm sun, low humidity, sunburn, warm Caribbean waters, beaches filled with eye candy, etc... and also new member Bob KC1GLM fell victim to that scam and got sucked into spending some time in St. Croix, Virgin Islands. [We have set up an Emergency "GoFundMe" page to send a rescue team to save these poor Hams and bring them back safely, Dave K1WJL is heading the team and will take donations directly. in cash only.....](#)

Here are some pix of the ever evolving club station at the Hope Hill Firehouse
With S.A.M. Rob K1RCT doing some fine tuning!



JAN 26TH MEETING PIX'S



From Ed W1YSM: Here are photos of my Yaesu FT991-A waterfall display before and after N1ZN keyed up the 6 m Net on Monday night Quite the light show. Looks like a bomb exploded. Very pretty. Huge signal was 50db over S9.



Kenwood TS-2000 Elective Surgery by Steve Allen KC1SA

I've been the owner of a Kenwood TS-2000 for a little over three years. In my opinion, the TS2K is an excellent radio that combines an all-band all-mode transceiver with decent performance at an affordable price. The design is more than 15 years old, so by today's standards there are better radios, but the package, performance, and price continue to make this radio a viable choice in today's Amateur Radio market.

I enjoy contesting but this Kenwood receiver can easily get overloaded (aka Blow-by) from strong adjacent signals during crammed band conditions. This makes discriminating signals difficult, frustrating and time consuming. The culprit of the receiver's blow-by is the wide input IF filter, but can be addressed by installing a narrower input filter. The stock Kenwood filter (XF6) is a 3 kHz bandpass filter at the 3db point and 7 kHz at the 60db point, so it's not a very steep filter. InRad has a crystal IF filter that is a 2.1 kHz BW filter at the 3dB point and 3 kHz at 60dB. This InRad filter (#92) is a very steep roll-off Bandpass IF filter. The wide input filter that was stock was most likely chosen by Kenwood designers for better AM reception, but that's just my conjecture. To address the problem involves bit of work and patience.

The compromise of using a narrower IF filter in this radio may make the rig not sound the same (reception only, the TX filter is not modified), and perhaps could even have a very hollow sound after the swap out of the filter. I've listened to radios that have had this mod done on YouTube but it is very hard to qualitatively judge how bad or good the tonal quality is from a YouTube video. That seems to be the only operational compromise if one chooses to install this filter. The work involves opening the radio and removing the receiver board. There are four small flex-ribbon cables to remove and a half-dozen or so small RF coax cables to remove. These are the smallest risks involved in the procedure while the larger risk is un-soldering the IF filter (XF6) and installing the Narrow Band IF filter. There doesn't seem to be a drop-in replacement for the stock Kenwood filter, but InRad offers two different filters to replace the stock filter as an acceptable modification to the radio. The InRad #92, which I described above, is best if you want to retain SSB, CW, and other digital modes of operation. The InRad #90 is a 1.0 kHz BW IF filter with similar 8-pole roll-off characteristics as the #92 and is useful if you want to transform the radio into a CW only radio.

I opted for the #92 filter. InRad has a good pre-sales person that answers question for you by email and certainly helped me with any of the pre-purchase jitters. I've done my share of surgeries on PCBs, but with age come the shakes so I was a little concerned about doing this work. After placing the order, the filter arrived about a week later. Anticipating the filter's arrival, I took the Kenwood off the air for a few days prior to receiving the filter and started the modification procedure.

Removing the bottom cover of the radio is really straight forward; ten small Philips head screws hold the bottom cover in place. Once the cover is removed the receiver board is fully exposed. The receiver board takes up about 80% of the bottom of the radio. I proceeded to take pictures and videos of the board and marking all cables and their associated connectors. Next came removing the 17 Philips head screws holding the receiver board to the mid-chassis frame. Once all the board screws were removed the board was slide toward the front of the radio (where the fan and front panel boards are located). Once moved toward the front, the rear DIN and DB-9 connector could clear the bottom chassis frame. There are copper/beryllium springs on the solder side of the receiver board that grounds the receiver board to the mid-chassis in several places. Caution had to be had in order not to crush the springs rendering them useless once the board was reassembled to the chassis. I was concerned about the coin cell on the board, I should have researched that a bit more to determine if battery removal was necessary, but I took the 'advice' of what InRad said (or didn't say) and the steps didn't say to remove the battery.

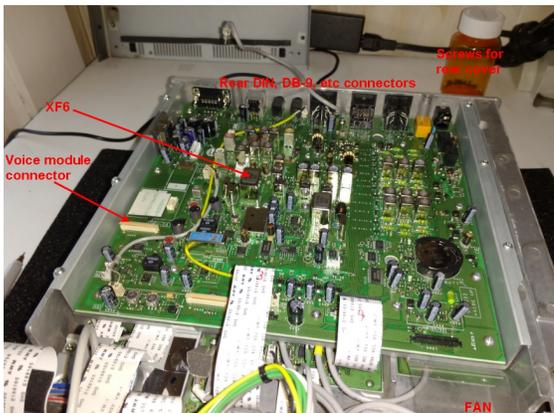


Figure 1: Bottom cover removed and all RF inter-module cabling and ribbon cables removed from their connectors. Next step is to remove the 17 board screws and the small heat sink clip near the cluster of electrolytic caps near the DB-9 connector.

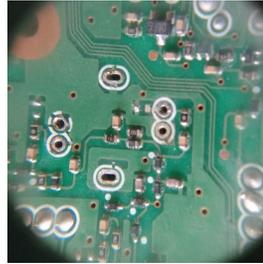
The board was now free of the mothership. I taped all the cables on the radio securely in place and set the radio aside for the time being. I took more photos of the receiver board now removed from the radio. Noting where XF6 was located I ascertained what soldering iron to use. The Paladin solder sucker didn't seem up to the task, so I started with my 20W iron and fine solder wick. The filter mounting tabs were easy to un-solder, and quickly felt this was going to be easy cheese work. Not so, the four signal leads on the filter

weren't so easy, in fact the un-soldering of these leads were quite stubborn. After 10 minutes fighting with the leads trying to get them un-soldered, and getting tired, I stopped work for the day and picked up the following morning. In the morning I pulled out the OK tools solder station and set it to 700F. Armed with it, a very fine tip and super-fine solder wick, all four leads loosened up nicely. I slowly worked the filter out of its home and after a few minutes all was done. I cleaned the flux from the board and you would never know a part was soldering in place. I compared my work to some of the photos on the web for this radios procedure and I have to say my work was as good.

Here's WB5TKA's work:

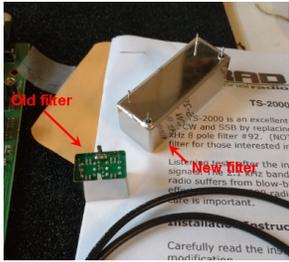


KC1SA's handiwork:



Installation

The filter arrived via USPS in a small box, inside were the filter (Made in Japan), exactly 24" of RG-174 cable, double sided tape (yellowed with age) and the instructions. Having already downloaded the instructions, I really only had to prep the cable. InRad doesn't really instruct you where the four leads go, but it's pretty obvious where the shields and filter signals are connected. After about an hour of careful prep work the receiver board was ready to be put back into the radio. Reversing how everything came apart, the unit was back together in about 10 minutes. The only "iffy" thing in the whole mod is the way the filter is mounted in front of the fan. I insulated the connections in case the double sided tape decides to give up sticking in a few years, so I'm hopeful nothing gets shorted. The filter is mounted such that if the tape does let go the leads could short on the bottom cover or be hurled into the cooling fan. After the fact, I've read where folks tape in place where the optional radio voice module would be installed.

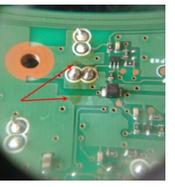
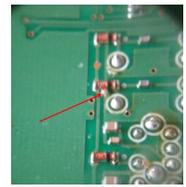
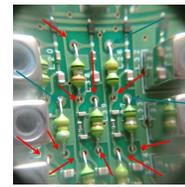


Conclusions:

The mod really helps the radio a lot. Signals seem to pop out of the noise floor. I found myself turning off the pre-amp on some stations, something I've not done too often. The audio quality sounds the same as before (no tininess that I was expecting). The mod is not for beginners, if you aren't handy reworking PCB's, then you shouldn't do this mod yourself, rather you should hire someone to do the work. I've heard some local shops will do the work for \$200 plus the \$130 cost of the filter, in my opinion that's a good price.

The Kenwood TS-2000 is a great radio and I don't regret its purchase for minute, even without this mod. I will say workmanship on the receiver board is shoddy. This radio still sells today for nearly \$1500, but the class of workmanship on the board is subpar in my opinion. I found twisted connectors on the PCB, skewed by 15 degrees. Solder flux (or paste) still under components and I found several specs of solder splash across traces on the board, so that tells me their inspection is pretty bad. Components with solder not wicked through to the component-side lead hole. A radio in this price range I would expect to have better workmanship. I have no other radio to compare it against, but to me this was an eye opener. If I had to purchase another radio I would still look to Kenwood but certainly would give them my opinion of their workmanship.

Two complaints with InRad were shipping information and yellowed mounting tape. I received an email two days after my purchase stating the filter was shipped via USPS. Coming from Tennessee I figured two days to get here, so I started rework prior to the package arriving.... Then the package didn't arrive at the expected time so I called InRad, they checked..." oh, that went out in today's mail", so the email notification was automated and not actual. The 3M double sided tape used to hold the filter in place was yellowed from age, but was still somewhat sticky. InRad should have supplied 3 inches of good quality new 3M double sided tape.



WB1GYZ

ROBERT A. BIANCUR
24 BEECHWOOD DRIVE
WALLINGFORD, CONNECTICUT
06492 2413

72° 48' W 41° 29' N



BOB'S FIRST QSL CARD



CURRENT WB1GYZ QSL CARD

Its time to turn the tables on our resident "WB1GYZ Files" editor and we highlight the man himself this month. Dave K1WJL is doing the honors and so it the "K1WJL Files" this month. Bob Biancur was first licensed in 1960 as KN1OVH at the age of 12. while residing on Cedar St. in New Haven, however not having an Elmer, Bob soon went QRT after his novice ticket expired. He enlisted in the Navy after high school and two years later got the opportunity to attend "A" school at Pensacola for Communications Technician radio branch (a fancy name for CW intercept operator), and then spent the next two years doing "spook" work at Kami Seya and Hakata, Japan. After discharge, Bob discovered that his military experience didn't have much in common with the civilian job market unless he wanted to hook up with a three lettered government agency to utilize his new skills. Bob was fortunate to find employment with the Penn Central railroad company and after a four year apprenticeship was promoted to locomotive engineer, which he did for the next 34 years, eventually retiring from the Amtrack Rail System.

He rejoined the amateur radio ranks in the mid 1970's as WB1GYZ. And has been going strong ever since. Now retired, Bob has more time to enjoy the wonderful hobby of Ham Radio, although his non ham friends cannot understand his lifelong fascination for tapping out strange sounding dits and dahs late into the night, stringing wire through backyard trees, or making contacts using flea power. I guess it's just in his blood. Bob has a passion for wire antenna's, QRP operating, weekly QRP contests, flea markets and Dunkin Donut coffee sessions (Wallingford Rte 5 across from Shop Rite) with Eric KB1JL, John K1VDF and maybe Dave K1WJL every Thursday AM(and often on Tuesdays also).

His compliment of station equipment includes a brand new ICOM 7300, (which his wife called "cute"), a Kenwood TS-940, Kenwood TS-520, and a Ten-Tec 580D. A Tokyo HC-2000 All band KW Tuner along with an assortment of Dentron antenna tuners, plus whatever he finds at flea markets....

He also has been known to brew up a great batch of Wine in his basement (shades of Walter Eisenberg—??) and also has flown his own airplanes, from a Cessna 120, Luscomb 8A, to a Piper Cherokee 180, all out of a grass field airport in Ansonia.

Bob is married to his very supportive and understanding wife Geraldine and has two sons, Patrick & Douglas who coincidentally are both in Grad School at this time. It would go without saying that Bob's primary passion at this time is to get the Electric Company to eliminate the power line noise that seems to be obliterating signals, especially on 40 meters...

WB1GYZ OPERATING SHACK



BRAND NEW ICOM 7300



WB1GYZ ADJOINING COMPUTER CENTER



WB1GYZ WITH LUSCOMBE 8A



OLD ANSONIA GRASS AIRSTRIP



WB1GYZ WITH LUSCOMBE 8A

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
 143 HOPE HILL ROAD, WALLINGFORD

KEY KLIX EDITOR DAVE SWEDOCK K1WJL
 CONTACT DSWEDOCK@SNET.NET
 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

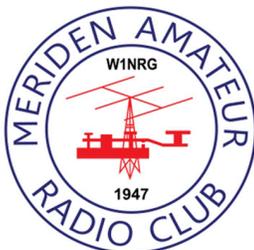
2 METER NET TUESDAYS 7PM
 147.36 /RPT K1TDO TODD

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--\$15/YR
 SENIOR DISCOUNT 65 & UP--\$10
 ADDITIONAL FAMILY MBRS---\$5



WEBSITE:

WWW.W1NRG.COM

FORUM/BBS:

GO TO WWW.W1NRG.COM
 AND FOLLOW THE LINKS

CASTLE CRAIG 1010 WEBSITE:

GO TO W1NRG.COM
 AND FOLLOW THE LINKS

CLUB REPEATER W1KKF/R

147.36MHZ +600 OFFSET
 NO PL TONE (OPEN REPEATER)

AB1DQ	James Surprenant	17	KC1FOK	Matt Huskes	16	WA1TRY	Rich Aubin	L
AB1HB	Charlie Dudac	17	KC1GLM	Robert Speers	17	WA1VXH	Chris Sievert	17
AF1HS	Art Fregeau	17	KC1SA	Stephen Allen	17	WA1ZVY	Jim Martin	17
K1IIG	Steve Tripp	17	KE1AU	Robert Kaczor	17	WB1GGP	Jerry Sheppard	16
K1JTH	John Hart, Jr.	17	KE1AV	Dave Sanford	17	WB1GYZ	Bob Biancur	17
K1LHO	Mike Ash	17	KE1AY	Donald Mitchell	17	WB8IMY	Steve Ford	17
K1LYP	John Yusza	17	KE4EYA	Ralph Ring	17	WJ1B	Harold Kraemer	17
K1MMK	Mike MacKennedy	17	N1API	Al Kaiser	17	WV2LKM	Steve Waldmann	17
K1MVM	Mike Macri	17	N1BF	Patrick Dionne	17	WY1U	Tim Mik	16
K1PU	Mark Mokoski	17	N1GNV	John Bartscherer	17	-----	John Stoidis	17
K1RCT	Rob Cichon	17	N1GY	Geoff Haines	19			
K1RJC	Rick Castaldo	16	N1HCA	Susan South	17			
K1SEZ	Paul Ciezniak	17	N1JRC	John Collin Jr	17			
K1STM	Anne West	17	N1LGH	Barbara Stone	17			
K1TDO	Todd Olsen	17	N1NAN	Helen Spokes	17			
K1TG	Roger Kuchera	16	N1OKF	Bob Parisi	17			
K1TGX	Jerry Molaver	17	N1OKR	Frank Ciccone	17			
K1THP	Dave Karpiej	17	N1VTE	Sarah Kaczor	17			
K1VDF	John Blevins	17	N1ZN	James Savage	17			
K1WJL	Dave Swedock	17	NY2HF	Dennis Lane	16			
KB1CIW	Bob Stephens	17	W1ATV	Walt Yatzook	16			
KB1EHE	Eric Knight	17	W1DMM	Dan Murphy	L			
KB1FYL	Bob Carruthers	17	W1DQ	John Elengo	18			
KB1GWP	Joseph Rish, Sr.	17	W1KKF	Bill Wawrzeniak	L			
KB1HCC	Jonathan Winslow	17	W1LV	Steve Morley	16			
KB1IFZ	Elsie Mathews	17	W1NDT	Bob Lombardo	17			
KB1JL	Eric Olsson	17	W1NHS	Fred Ring	17			
KB1SIT	Theresa Stephens	17	W1POP	Fred Liedke	18			
KB1TJD	Gaianne Jenkins	17	W1VCU	Nelson Denison	L			
KB1ZMK	Dan Busa	16	W1YSM	Ed Snyder	17			
KC1AYL	Mike Meadows	17	W7FUR	William Spokes	17			
KC1CYC	Harry Shaefi	17	WA1FFT	Ray Irwin	17			
KC1EVI	Gerard Carrier Jr.	16	WA1JKR	John Rogus	17			

PLEASE VERIFY THAT YOUR DUES
 HAVE BEEN (OR NOT) PAID,

IF THERE ARE ANY
 DISCREPANCIES, PLEASE
 CONTACT DAVE K1WJL...