KEY KLIX

MERIDEN AMATEUR RADIO CLUB

1947 -- 2022

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-ELECT KC1OYN RICK BECKER S.A.M. K1RCT ROB CICHON

KEY KLIX EDITOR —DAVE SWEDOCK K1WJL

DSWEDOCK@GMAIL.COM 203 235-8582

ALL MEETINGS ARE AT THE EOC / HOPE HILL FIREHOUSE ,

143 HOPE HILL ROAD, WALLINGFORD, WITH ZOOM CONCURRENT

DECEMBER 2022

Merry Christmas,

Happy Chanukah,

Happy Kwanzaa to all

and to all a good Night

—-and of course

Happy FESTIVUS

for the rest of us!!!!!

MARC CALENDAR OF EVENTS
DECEMBER 2022 to JANUARY 2023

DEC 8 ……XMAS PARTY at SERAFINO'S DETAILS BELOW
DEC 10……..CQ SANTA & VE SESSION
NO DEC ACTIVITIES MEETING DUE TO THE HOLIDAYS
JAN 12……..MARC BUSINESS MEETING IN PERSON AND ZOOM,
NOTE: IF INCLEMENT WEATHER, THEN ZOOM ONLY
JAN 26…….ACTIVITIES MEETING….RICH WA1TRY WITH DAVE K1WJL ASSISTING
CLUB HISTORY PART 3…….FIELD DAYS OF THE MARC

VE SESSIONS AT THE OEM, 143 HOPE HILL ROAD, WALINGFORD.
EVERY 2ND SATURDAY, NEXT ONE IS SATURDAY DEC10TH , THEN JAN 14TH 2023

THE NEXT BUSINESS MEETING WILL TAKE PLACE ON THURSDAY JAN 12TH
7:00PM CONCURRENTLY IN-PERSON AND ON ZOOM

THE NEXT ACTIVITY MEETING WILL BE ON THURSDAY JANUARY 26, 2023
7:00PM ON ZOOM

CLUB NEWS:
PLEASE KEEP BOB KB1FYL IN YOUR THOUGHTS AND PRAYERS WHILE HE IS IN THE CURTIS HOME , 380 CROWN ST. MERIDEN CT 06450.
WELCOME TO NEW MEMBERS VOTED IN ON DEC 1 DURING THE YEAR IN REVIEW PIZZA GALA, W1PRK JAMES ROCACCINI , KB1KTZ CARL FOSSE & WA1MAC PAUL CLARK

CONGRATULATIONS TO OUR NEW TREASURER ELECT, KC1OYN RICK BECKER WHO WAS ELECTED IN A VERY RARE RUN OFF ELECTION AGAINST HIS OPPONENT K1LHO MIKE ASH. THERE WAS SOME DEGREE OF DRAMA AS THE DOMINION VOTING EQUIPMENT HAD TO BE REPLACED WITH A HIGH TECH CARDBOX BOX WITH A SLOT CUT IN THE TOP. THIS ELECTION AND IT'S DISCUSSION OF OUR CONSTITUTION LED TO A CALL FOR A CHANGE. PRESIDENT ED HAS ASSMBLED A COMMITTEE TO ANALYZE AND RETURN A SET OF VIABLE LANGUAGE THAT IS MORE INTUNE WITH THE 2000'S AND BEYOND… EVERY ITEM WILL BE DISCUSSED AND VOTED ON IN THE FOLLOWING MONHS...

The President's Podium Ed Snyder W1YSM President

PRESIDENT'S COLUMN, DECEMBER KEY KLIX

Editors Note: This is President Ed's Christmas offering to the club….No Presidents Column this month.

Ed W1YSM chose to share part of his collection of Antique Radio Memorabilia from his pre-Ham life. From a really neat Christmas Motif box from the 1930's that used to hold Cookies & Candy for Christmas Morning, A wall mounted display of front covers from "Antique Radio Classifed" to Christmas cards using Radio's As the main theme. *Maybe Ed will someday sell tours through an Antiique Radio Memorabilia Museam.?*

Secretary Report & Minutes of the Meriden Amateur Radio Club

Bart Toftness N1BRL , Sect.

BUSINESS MEETING NOVEMBER 10, 2022 ZOOM

Meeting was called to order by President Ed Snyder, W1YSM at 19:00 EDT

Normal introductions were omitted as attendees (35) are self-identified in 'Zoom' , KC3UKG, KC1QLS, K1RCT, N1BRL, KC1DOY, KE1AU, KC1OCS, K1WJL, K1VDF, WV2LKM, N1API, N1BRI, K1JCF, W1IKW. W1EDX, W1YSM, KC1KQH, KB1MFU, WJ1B, W1DQ, KC1NQE, KB1JL, N1LES, KE1AY, N1GNV, K1LYP, KC1OYN, WB1GYZ, WA1FFT, K0OZ, K1LHO, NZ1J,WA1TRY, N1ZN, W1BJG

Election: Officers, EOY and HOY The Secretary cast a single vote to re-elect the unopposed officers for President (W1YSM), Vice President (KB1JL), Secretary (N1BRL) and Station Activity Manager (K1RCT). N1LES as Chairman of the Elections Committee reported the results of the 'Survey Monkey' voting for the office of Treasurer. The new Treasurer beginning 2023 will be Rick Becker, KC1OYN. The results of the Ham of the Year and Elmer of the Year voting will be announced at the Christmas Party, Dec. 8.

Announcements (W1YSM), Year in Review on December 1 will be Hybrid (in person and on Zoom). Starting January 2023 the Business Meetings will be Hybrid with a new starting time of 7 PM. The second round of 75th Anniversary Mugs is complete. Business cards and Membership Certificates continue to be available from N1BRL. Christmas Party at Serafino's is $33 on 8 Dec. with seating limited to 75. Payments can be made on the club website using PayPal.

Secretary's Report (N1BRL)

Thanks to Eric, KB1JL for recording the October Business Meeting in my absence. Those minutes as published in KeyKlix were approved by majority vote. One new member applicant, Dave DeVito was approved by a unanimous vote. Up to $100 was approved for the Secretary to re-order MARC Business Cards. No correspondence to report.

A Moment of Silence was observed in remembrance of Art Freau, Kenth Astrom and Deborah (Yusza) Sokol.

Treasurer's Report (K1WJL) Dave gave a review of the finances, income and expenses in his final report as club Treasurer. Thank you Dave for your many years of service to MARC.

Station Manager's Report (K1RCT) Special Event Station W1N has concluded after completing 3008 QSO's with 18 club members participating.

Continuing Business Saturday Nov 12 will be busy at the firehouse with CERT Training in the main room and a VE Session conducted in the garage bay. The next VE Session will be on 10 Dec followed by CQ Santa.

KB1JL reported WARG is anticipating a new group of CERT graduates.

W1YSM reported on the progress of the ARRL MARCONI Grant.

KC3UKG summarized the plans for updating the web presence. Interested members may contact KC3UKG@gmail.com to contribute their input.

W1YSM commented on several areas of interest going forward including MARC YouTube Videos, Licensing / Upgrading, Cube Sat and Weather Balloon Launches.

CQ Santa will be Dec 10 at the OEM with support for Master's Mana.

The Year in Review will be 1 December both in person and hybrid at the OEM from 6 to 9 pm with pizza and soda provided.

Standing Committees Entertainment/Activates (W1IKW) has scheduled K1WJL and WA1TRY for the 75th Anniversary of MARC Part III in Jan. 2023 followed by KC1QLS presenting high altitude balloons and possibly cube sat in February.

Minor repeater interference was noted by the repeater committee. A reported hum on the repeater was attributed to the PL tone on a user's receiver and not an issue with the repeater.

N1ZN reported the Scholarship Committee for 2023 will be himself N1ZN, K1RCT, K1LHO, KC1ISI, N1BRI and KC1NQE.

Other Activities Saturday morning activities continue at the OEM. CW Training has completed with a few members continuing to meet. Diamond & Gold has concluded and KC1SA will post a summary on the forum.

New Business Certificate of Appreciation can be awarded on an as needed basis by the club officers. You may send your suggestions to any club officer.

The possibility of opening the OEM on Sunday's and other times by arrangement so members can use the radio room was discussed and plans for additional discussion at the Year in Review Meeting.

A Constitutional Review Committee was announced by W1YSM. Members include W1YSM, N1LES, KB1IFZ, K1LHO, KE1AU and W1BJG. This committee will solicit points to consider for revision from the membership. A series of town hall style meetings for discussion / revision of the ideas will be planned. The summary will then be presented to the entire membership for consideration and voting at some future date.

Voting Summary for the June meeting

October meeting minutes were approved.

David DeVito was approved for membership.

Meeting was adjourned at 20:38

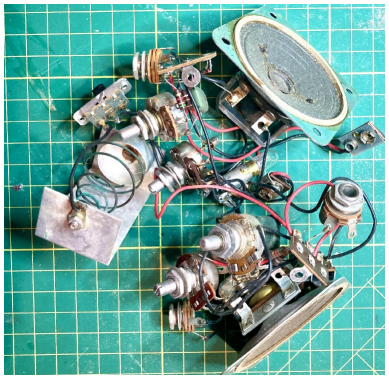
Respectfully submitted,

Bart Toftness, N1BRL

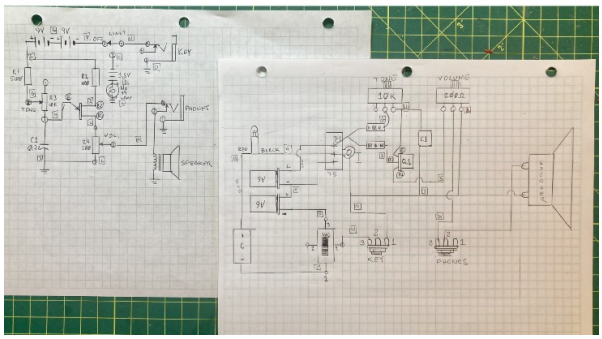
RESTORATION OF MY HEATH HD16 CPO TWINS

By James M. Surprenant / AB1DQ

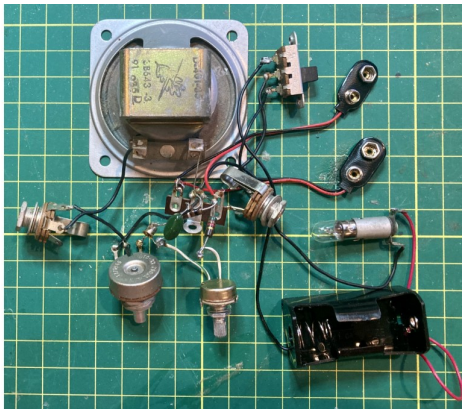
This August I picked up a pair of Heathkit HD-16 Code Practice Oscillators for $10 at the flea market at the Marlboro HamXposition. They were sold as tech-specials, non-functional, but 'mostly there.' As a lover of CW, vintage gear, and pretty much anything in Heathkit green, how could I resist?
BEFORE: What $10 will buy at the hamfest flea these days….
The HD-16 was Heathkit's second code practice oscillator, introduced in 1974 and following the first Heath CPO, the CO-1 which was first sold in 1959. The HD-16 was sold until 1974, replaced by the HD-1416 in 1975 which sold with a few cosmetic variations until 1990. I completely disassembled both units completely, saving the screws, nuts and other hardware in (what else?) a cigar box



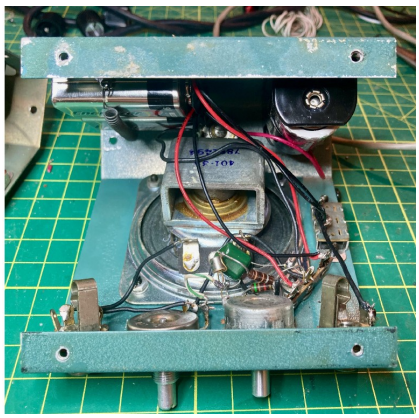
The guts liberated from their filthy enclosures.
I washed the enclosures in warm water and dish soap and gently scrubbed away at the stains with a soft brush. The back halves of both enclosures were badly scuffed and scratched so I chose to re-paint them in flat black, no doubt irking the purists horrified by my deviation from Heathkit green. Adding to the horror, I also chose to paint the speaker grilles flat black and to replace the original steel screws with new black ones, completing the 'black out' look. After sanding the enclosure backs with a fine grit sandpaper I applied 3 thin coats of paint and then coated all pieces with 2 coats of clear coat.



I found the original HD-16 manual online and printed a copy for reference. Like all Heath manuals, this one was well written and included the CPOs schematic and specs and some nice content on circuit theory and Morse Code. However, it lacked step-by-step assembly instructions, which has caused me to wonder whether the HD-16 was sold as a DIY kit or a completed unit ready to go out of the box.
To aid in my circuit analysis, I took the time to sketch out the HD-16 schematic and working from that and tracing the parts layout of my two units, I sketched out a pictorial diagram that I could use to help assure the oscillators were properly wired.



Assessing the damages, I noted that in addition to the missing cabinet hardware, my HD-16s were missing three out of four 9 volt battery snaps and one of the C cell holders. The other C cell holder was filthy and corroded. All the rest of the parts seemed to be there however one of the 10K pots was gunked up and seized so I found one in my parts box to replace it with. And although they may not have needed replacement, I did change out the two 0.22 MFD Mylar caps for a fresh pair from my parts box.When studying the schematic, I discovered that the transistor was neither a BJT or a FET but a unijunction transistor. I didn't know much about UJTs and while I welcomed the opportunity to expand my electronics knowledge, I was concerned that the 4JX5E670s might be 'unobtainium' should they need replacement. Doing a little Googling, I learned that UJTs could only function as a switch and not as an amplifier. This made sense as the ability to generate pulses would be key to function as an oscillator at the heart of the HD-16.I am happy to report that both transistors were still working just fine as both CPOs Operated perfectly during my post parts replacement test.



PARTS REPLACEMENT COMPLETED… I added all new battery connectors and replaced the mylar caps. Note the new 10K volume pot above….it's a wee bit smaller than the original. Reassembly went very smoothly. Because the new C cell holders were smaller than the original metal versions, I used some 3M double sided wall tack to attach the new connectors to the inside of the enclosure. Once all components were inserted and attached to the enclosures, I carefully inspected the component leads around the terminal strip to make sure there were no shorts, a definite problem area given the point-to-point construction in the tight space inside the enclosure. Once satisfied there were no shorts, I plugged in a straight key and tested both units before closing them up.

NEARLY DONE: One of the HD-16s 're-stuffed'

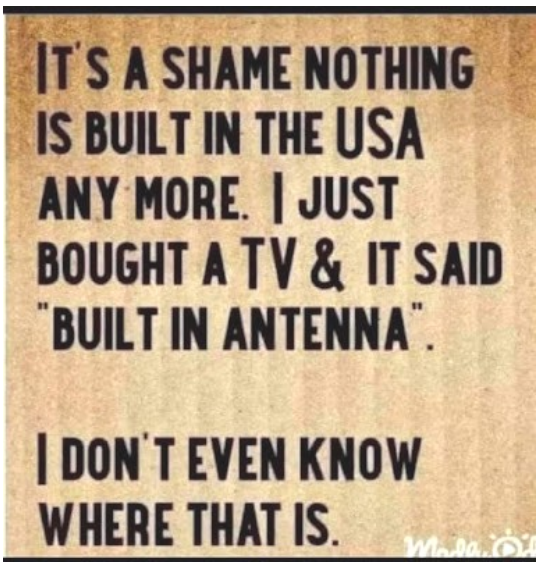
Continued on the next page

NEARLY DONE: One of the HD-16s ‘re-stuffed’
For a finishing touch, I got a little creative and using images I found online, I created new serial number stickers for the back of each unit. Neither original serial number sticker was in good enough condition to reuse, but my new labels would help preserve the history of these HD-16s preserving their serial numbers.

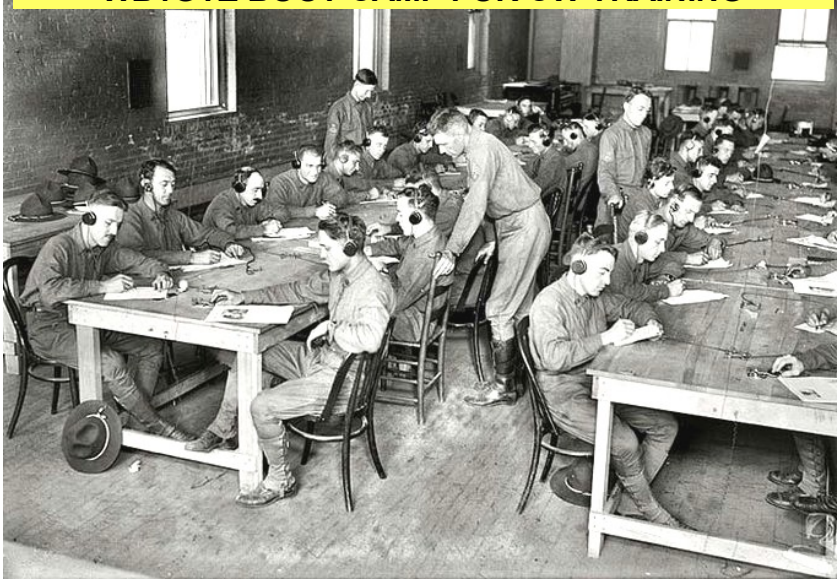
ARTS & CRAFTS TIME: My ‘new’ Serial Number badges for the back of each CPO.

This was a fun restoration project and while my refurbed HD-16s weren’t restored to original appearance, they are both working like new and are ready for decades more of service. I wonder what their story will be after my time as a ham is over. I hope they will continue to be treasured by future generations by hams, perhaps not even born yet!

AFTER - two HD-16s ready for several years/decades more of service.



WB1GYZ BOOT CAMP FOR CW TRAINING



THE "YEAR IN REVIEW" & PIZZA GALA HELD ON THURSDAY DEC 1 AT THE OEM AND IT WAS A HISTORY MAKING EVENT AS IT WAS THE FIRST COMBINATION OF IN-PERSON AND ZOOM MEETING IN MARC HISTORY.

The Navy Knob was invented by Louis Steinberger, Brooklyn, NY.

1918 Morse ops had high voltage running through their keys, with fingers close to the contacts. Steinberger figured out that there needed to be a large disk on which an operator's fingers could rest, protecting from touching the key contacts. He created his knob, with the larger disk under the smaller knob, and filed for a patent in Jan 1918. WWI was raging, and the Navy thought it was great idea.

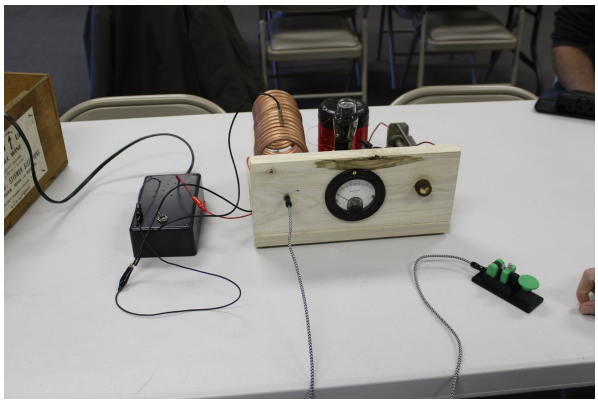
SATURDAY MORNINGS AT THE OEM

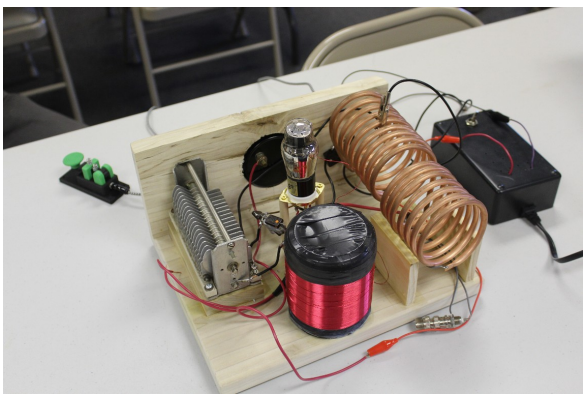
We had a very good turn out at the club on Saturday, 19 Nov 2022. Last month's KeyKlix featured the oscillator that Brian, N1BRI, had built for an old school transmitter project. He has successfully completed a working Hartley transmitter for 80 meters. As you can see in the picture, it has a single tube. The red coil is hand-wound on a glass jar. Lots of dedication shown there! The larger coils are also hand-wound and made from copper tubing. The black box is the high voltage power supply.

Brian has worked as far as Ontario, Canada which is +/- 800 miles from Connecticut on 80 meters CW. The estimated output of the transmitter is one to two Watts. Formal measurements have not yet been taken. It qualifies as QRP for certain! We all gained an increased appreciation of what hams in the past had to work with.

Brian plans to improve the build by securing the internal parts, trimming leads and enclosing it in a case. This is a fine example of the build it yourself ethic that is in our club. Experimentation and education continue to be popular topics at our Saturday meetings.

Ted KC1DOY





CERT TRAINING AT THE OEM WITH MANY MARC MEMBERS ATTENDING

I was fortunate to arrive at the OEM on Saturday morning, 12 Nov 2022, while a CERT training session was in progress. I decided to observe and see what it was all about. The trainers were Kaylianna Bryant, Brittany Nappi and Lou Faugno. They covered proper CPR techniques, how to use an automatic defibrillator and working around medicine patches and implanted devices. The knowledge and professionalism of each presenter was evident throughout the session.

The session was well attended and shows a genuine commitment among our club members towards community service. This is just one of the many activities open to club members and it is things like this that keep our club growing. Once again, Ham radio is about more than just radio.

Ted KC1DOY

Try This Philco Radio – Wires and a Rug. Or how I got into this mess

As the year winds down, it's time for this old rag chewer wax nostalgic a little. I have posted a few articles about "Hams I Have Known" in the past. I got to thinking. Why? Well it's true that I'm a big geek and one of things that Ham Radio has given me is a playground where there are limitless possibilities to create, build (and sometimes accidently blow things up).

But as much as I enjoy the technical part of Ham Radio, it's always been the joy of meeting people that has been also rewarding for me. I have many fond memories to be thankful for. I'm thinking I should thank all those people (and hams too) with a little story. At first, I'll begin with a little introduction, mostly about how I got into building and working with things both mechanical and electrical. Then later I'll expand each article to include a little bit of "Hams I Have Known".

My interest in electronics and radio began a long time ago during the1950s where, as youngster I spent a few hours each night tuning a large old 1940's era floor model radio. It was a massive thing, at that time taller than me, and had dozens of "bands" of frequencies. It even had a magical "tuning eye". At the time I didn't know what an S-Meter was. But I do know now, and I as I think back, I believe I might now prefer the "tuning eye" over an S-meter. It's just plain cooler. The rotating circular frequency display was controlled by dual concentric tuning knobs, one which was for fast tuning while the other knob was a much slower turning rate for fine adjustment. The sounds were produced by a large 12 inch speaker.

I was about 9 years old when I experienced my first real "jolt" of reality in a form of a near electrocution due to the "hot" chassis on that radio. A favorite thing for me was to listen to the overseas broadcasts from VOA (Voice of America) and then compare it to that night's short wave broadcasts from the BBC and the English versions of Radio Moscow and a few others European stations that had nightly English broadcasts. Sadly, that giant sized radio had a puny internal micro-sized antenna which was great at receiving the US AM commercial stations (because no one else was allowed there) but did not do well on the crowded international short wave bands, where there were many strange buzzes, thumping noises and warbling oddities. That old radio had no BFO and as a 9 year old, I didn't know the difference between a BFO and a UFO, the latter of which was something that I would soon be investigating. But that UFO story is for another time.

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Trying to decipher the wanted short wave AM broadcasts from the cacophony of sounds coming out of the 12 inch speaker was at times maddening. I put up with the noise for some time until I finally decided to confront my parents with what to me was a pretty simple request that ultimately resulted in a one sided debate that wasn't going my way.

I had to convince my parents that we needed to add a long hunk of wire onto that un-adorned terminal labeled "ANT" on the back of the old radio chassis. "I'll bury it under the rug, no one will see it", I offered. "I'll move all the furniture myself and put everything back where it belongs", I explained. I even offered to make sure the ash trays were cleaned and all the doylies were put back in place. (Does anyone remember ash trays and doylies in the parlor?)

Dad's counter argument was simple, "I can hear Gang Busters, Fibber McGee and Molly, the Shadow, and Jack Benny just FINE all the way to the kitchen. Why do we need to run any wires around the room"?
Sigh. I wasn't going to win that battle. I had to come up with some kind of diabolical plan. Something as diabolical as a smart-ass 9 year old could invent. Yeah that was me. The plan was to wait until Dad was comfortable in his chair reading the newspaper and Mom was knitting doylies.

And I had control of the radio!

I turned up the volume and tuned to the 40 meter band and found a nice crowded area, full of rhythmic thumps, pauses and warbling odd noises. Mom and Dad surely won't know what a BFO-less radio could do to SSB or CW signals.
Mom dropped a stitch. Dad slowly lowered the newspaper to a mask like level with only his piercing eyes glowing at me over the front page headline.

continued on next page

Hah! I got their attention. "What the hell is that noise", he growled at me. I answered with my most mature, intelligent grown up voice, "Gee Dad, if we had just a couple feet of wire added to this thing I might be able to get those signals in better" Now you know where we are going with this, right? Of course I eventually got the wire "under the rug" installed.

And of **course** I did everything I could to make it as **obtrusive and obvious as possible**.

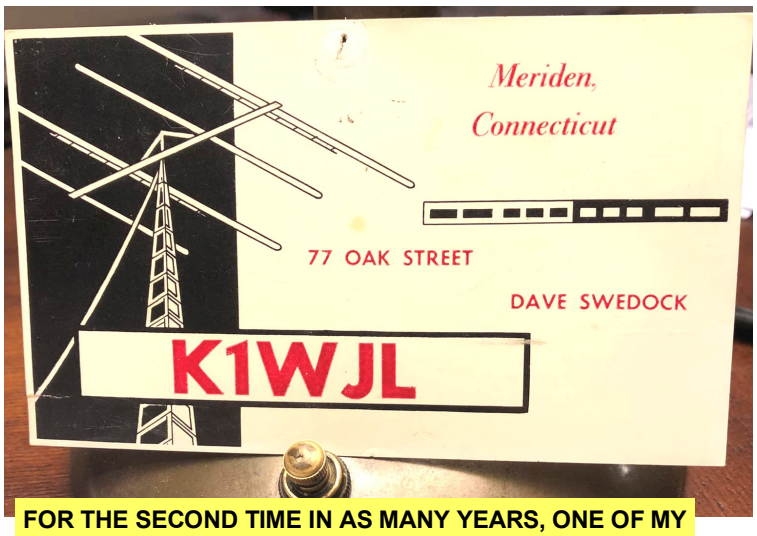
Yes remember, we are dealing with a "diabolical" (and creative 9 year old here). Turns out Dad didn't mind the small lump in the rug. But the lumpy rug really raised havoc with Mom and the vacuum cleaner. **This of COURSE was all part of the plan**. The resultant approved antenna wire under the rug would eventually evolve to being a wire going out the window which was still too short. That led to the wire being lengthened to about 40 feet to span a couple stakes driven in the ground to eventually give me very low (2 foot high) un-tuned random wire running outside next to the house. Everything was looking good until I hooked up the wire to the "ANT" terminal.

It was just starting to rain as I came into the house and walked up to the radio and started tuning. It SEEMED to be better. But only by a little bit. I better check my connections outside. I remember thinking to myself as I walked back out through the rain to the first antenna stake, "I wish my reception with the new antenna was as strong as this rain". Then I saw the shiny new alligator clip lying in the wet grass next to the stake with the antenna un-attached. And that is when the 9 year old genius met 120v AC while kneeling on the grass trying to re-attach the "hot" bare alligator clip wire coming from the radio! But wait. It gets better.

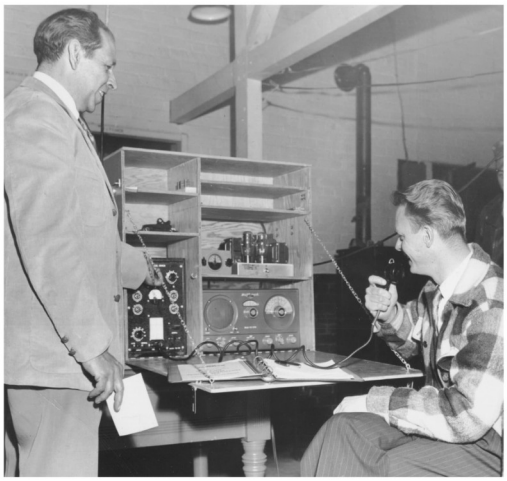
Next Month. We get our first **TV**. And Dad invents **TVI**. Our paper boy (**the ham**) The Parlor radio is mine, and is moved to the basement. I build a BFO.

73, Rich - WA1TRY

FRANK W1FD CENTER WITH GRANDSONS ,MATT FITZSIMMONS(L) AND DON IZZO W1FYG (R)



FOR THE SECOND TIME IN AS MANY YEARS, ONE OF MY QSL CARDS GETS POSTED ON FB…(1964)



May 1949 - Meriden Amateur Radio Club - Dossin Beach

Calling Santa

The Wallingford Amateur Radio Group, Wallingford Health Dept, and Youth & Social Services invite you and your family to join us ON THE AIR with Santa and Mrs. Claus on a real amateur radio!

Saturday, December 10, 10a-2p

Yalesville Firehouse 143 Hope Hill Rd Wallingford CT 06492

CQ Santa

Crafts and allergy safe snacks will be provided.

Please bring non-perishable food items for Master's Manna.

Each child will receive a full color certificate signed by Santa and Mrs. Claus.

Wallingford Amateur Radio Group

Emergency Communications

Calling Santa!

Saturday, December 10

10 a.m. to 2 p.m.

Yalesville Firehouse

143 Hope Hill Road, Wallingford

Please bring non-perishable food items for Master's Manna

Wallingford Amateur Radio Group

Emergency Communications

The **Wallingford Amateur Radio Group**, along with the **Wallingford Health Department** and **Youth & Social Services**, presents for the third year ***Calling Santa***, an opportunity for children to talk to Santa and Mrs. Claus at the North Pole via amateur radio. After talking to the Claus Family on a real amateur radio, each child will receive a full-color certificate signed by Santa and Mrs. Claus.

MERIDEN AMATEUR RADIO CLUB

MEMBERSHIP ROSTER

AB1DQ	James Surprenant	23R
AB1HB	Charlie Dudac	22S
K1BTR	Brian Ragaini	23
K1DMS	David Stack	23S
K1JCF	Joe Farrell	23S
K1LHO	Mike Ash	22S
K1LYP	John Yusza	23S
K1MMK	Mike MacKennedy	23R
K1MVM	Mike Macri	22S
K1PET	Debbie Purchia	22R
K1RCT	Rob Cichon	23R
K1SCI	Stuart Isaacs	22R
K1SOX	Brian Freeman	22R
K1STM	Anne West	22S
K1TDO	Todd Olsen	22R
K1TGX	Jerry Molaver	23S
K1MTD	Mary Duval	22S
K1VDF	John Blevins	22S
K1WJL	Dave Swedock	22S
K4AVM	Andrew Olsson	22R
K0OZ	Brian Boccuzzi	22R
KA1BED	Bill Green	23R
KA1KJV	Bob Trussell	22S
KB1EHE	Eric Knight	22R
KB1FYL	Bob Carruthers	22S
KB1HAX	Bill Reyor III	23R
KB1IFZ	Elsie Mathews	22R
KB1JL	Eric Olsson	22S
KB1KTZ	Carl Fosse	23S
KB1LWS	Jeanne Gherardi	22S
KB1MFU	John Ramadei	22R
KB1PZS	Robert Delgreco	23R
KB1TJD	Gainne Jenkins	22S
KB1TMC	Clare O'Lena	22R
KB1TTV	Jonathan Martin	26R
KB1YFJ	Glen Couture	22S
KC1DOY	Ted Renzoni	22S
KC1GMD	Ralph Ring	22R
KC1HQX	Preston Byrne	22R
KC1ISI	Kristin Olsson	22R
KC1KQH	John Kasinskas	22S
KC1MEB	Bean LeFebvre	23R
KC1MJZ	Michael Berube	22R
KC1NLE	Jose Rodriguez	22R
KC1NQE	Shawn Warren	22R
KC1NRD	John Lujic	22S
KC1NXP	Andrew Paolillo	22R
KC1OCF	Karl Polak	22S
KC1OCS	Richard DeWick	23S
KC1OGL	Paul Randazzo	22R
KC1OMP	Damian Fries	22S
KC1OSR	Gunnar Steinle	22R
KC1OST	Bryon Heath	22R
KC1OWD	Kevin VanKeuren	23
KC1OYN	Ricky Becker	22R
KC1OYR	Brent Moyer	22R
KC1PBQ	Randy Rivest	22R
KC1PEN	David Henry	22R
KC1PHK	Lincoln Nichols	Y
KC1PSK	Todd Dibiasi	22R
KC1PSM	Elizabeth Van Nostrand	23
KC1PXX	Dave Alfredson	22R
KC1QHO	Mike Beaudry	22R
KC1QLS	Ray Cirmo	22S
KC1QQV	Gary Getrost	22R
KC1QQW	Randy Whitehouse	22R
KC1QWH	Steve Rygel	22R
KC1RHB	Jared Martin	22R
KC1RLQ	Eric Barbour	23
KC1RBY	Sergio Frutuoso	22R
KC1TAD	Tom DiPinto	22R
KC1PU	Bob Woodtke Jr.	22R
KC1SA	Stephen Allen	22R
KC2MLH	Adam Castracane	22R
KC3UKG	Storm Murrell	22R
KE1AU	Robert Kaczor	22S
KE1AY	Donald Mitchell	23S
KR1U	Bob Eslinger	22S
KO4EEL	Tom Williams	22S
KX1USA	Rob Messercola	22R
N1AKN	Jeff Dwyer	23S
N1API	Al Kaiser	22S
N1BF	Patrick Dionne	21R*
N1BRI	Brian Beegan	22R
N1BRL	Bart Toftness	23S
N1FNE	Rod Lane	22R
N1GNV	John Bartscherer	22S
N1GY	Geoff Haines	25S
N1HCA	Susan South	22R
N1IBE	Wade Martell	22S
N1JEO	Joel Curneal	22R
N1JMX	Jeff Martin	28R
N1LES	Joe Murray	22R
N1MOB	Dan David	22R
N1OKF	Bob Parisi	22R
N1OKR	Frank Ciccone	23S
N1QYB	William Wilecki Jr.	22S
N1XXU	Andy Purchia	22R
N1YLN	Edward O'Lena	22R
N1YLO	Andy Fiertek	22R
N1ZN	Jim Savage	22S
N2RTS	Tyler Schroder	22R
N2TAG	Dave Taglianetti	22R
NR1B	Bill Huggins	22S
NZ1J	Dave Tipping	22R
UT3UY	Anatoly Kirilenko	22R
W1AJK	Andrew Kazimer	22R
W1BOB	Bob Lobley	22R
W1DQ	John Elengo	22S
W1EDX	Paul Stasieluk	22S
W1IKW	Ian K. White	22R
W1BJG	Judy Wilkins	22R
W1LV	Steve Morley	22R
W1POP	Fred Liedke	22S
W1PRK	James Procaccini	23S
W1RCI	Ron Isaac Jr.	22R
W1RPN	Seth Kolasinski	22R
W1TK	Ron Wakefield	22R
W1UFO	Mike Cei	23R
W1UKX	Greg Gherardi	22S
W1YSM	Ed Snyder	22R
W2OFR	Marc Dickson	22R
W3APC	James Cook	23S
W90TW	Deb. Foss	22R
WA1EXA	Mark Petruzzi	22S
WA1FFT	Ray Irwin	22S
WA1JKR	John Rogus	22S
WA1K	Jack Chapman	22R
WA1MAC	Paul Clark	23S
WA1SFH	Douglas Sharafanowich	22S
WA1TRY	Rich Aubin	L
WA1ZVY	Jim Martin	28S
WB1CLT	Steve Duess	23S
WB1DQT	Bill Bacon	22R
WB1GYZ	Bob Biancur	22S
WB8IMY	Steve Ford	22R
WJ1B	Harold Kramer	22S
WV2LKM	Steve Waldmann	22S
WY1U	Tim Mik	22R
Ex KB1HEA	Loreen Heavens.....	22R
	Greg Ravizza	22S
	Spencer Rygiel.....	Y
	Dave Devito.....	23R

HAPPY 75TH ANNIVERSARY

MERIDEN AMATEUR RADIO CLUB