



Capers

September - 2018



The Monthly Newsletter of The Candlewood Amateur Radio Association
P.O. Box 741 – Hawleyville, CT 06440-0741
Visit us on the Web at <http://www.CaraRadioClub.org>

Next CARA Meeting: Friday, September 14 - Stony Hill Fire Station

A short video of how Hallicrafters developed the WWII SCR299 military shortwave radio from the pre-war HT-4 amateur ham radio transmitter: "How radio equipment helped to win World War II."

A special "History of Hallicrafters" is included in this month's Capers on pages 25 – 38.



**Doors open at 7:30 for socializing and conversation.
Business meeting begins at 8:00 p.m.**

Agenda:

- **Pledge of Allegiance – Introductions – AB1WV**
- **Reading of Minutes – N1GSA**
- **Treasurer's Report – WX1T – Hamfest financial report**
- **CARA Hamfest – Report & feedback – W1JGM**
- **Old Business -**
- **New Business – New Fairfield Day: N1F & BSA JOTA 2018**
- **Program and Activities Committee Update – Joint CARA/YCCC meeting for October 12**
- **Video presentation: "The story of the Hallicrafters SCR 299" – N1NRP**

President's Message - de AB1WV



Hello all,

It's been a busy and hot month. School is in session again, and hopefully things will calm down and cool down. Fall is just around the corner.

I'm happy to say we had a great and profitable Hamfest this last month. Thanks to all those who helped. A special thanks to our hamfest committee chair, John - W1JGM, for leading the way and making sure it was a success again. We had a great showing and even a successful VE session this year too.

This month's meeting is on the 14th. We have a few business items to take care of, and then Jay has a documentary that we'll watch. It sounds very interesting to me, and I'm looking forward to it.

Coming up in October, we've scheduled a joint YCCC and CARA meeting with the highlight of a talk by none other than "The Doctor" himself, Joel Hallas -W1ZR.

I listen to "The Doctor Is In" podcast - and of course, read his column in QST, so I'm excited to get to meet him. It should be fun.

I hope to see all of you at the meeting this coming Friday.

73

Marcus – AB1WV

Vice-President's Message de N1NRP



Photo Credit: WR1Z

Greetings CARA members and friends of CARA:

I'd like to thank John - W1JGM, and all the other club members who helped make this year's Hamfest a success.

It was good to see so many friends who showed up from many area clubs. Thank you to our friends from NARA, The Northville Amateur Radio Association, for bringing their Communications Bus and inviting visitors to inspect all the upgrades and changes that have been made.

Gregory – WR1Z, provided the sound system and kept us advised of all the events and prize winners, along with some smooth jazz. Thank you for your continued support.

Thanks also to Mike Walters - W8ZY, for his ARES Fall Forum presentation.

On September 16, we'll be participating in the New Fairfield Day, N1F operation for the fourth time. John - W1JGM, spearheads this event, where we set up on the green - just across from the Veteran's park in the center of town.

I'm pleased that the CARA Repeater Committee is making progress in getting things squared away.

I operated during the upcoming ARRL September VHF QSO Party, which was held on Saturday, September 8 September (1800 UTC) - to Monday, September 10 September (0259 UTC).

With many HF radios now offering at least 6-meter SSB/CW capabilities and some even including 2 meters and 70 cm as well, any amateur with a Technician class license or higher can experience long haul communication on the VHF bands.

I want to thank my good friend and Elmer Dan - W1QK. Back in 1992, Dan turned me on to VHF contesting as a Technician. Back then, Dan showed me all the different modes a Tech can use. For that - I'm forever grateful. I believe today, there are even more things a Technician can do on the VHF/UHF bands including working the satellites, plus weak signal digital FT8.

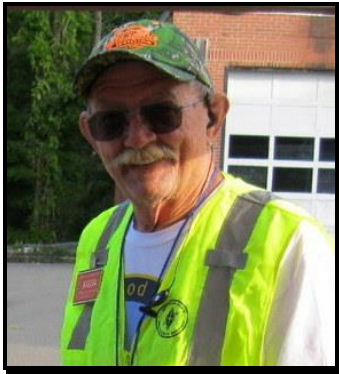


N1NRP installing the 144 MHz.
Yagi on a 25 Ft. push-up mast.

By the way, I have a 10-meter radio with power supply and coax plus an antenna I'm offering to loan to any of our new or old members who'd like to experience HF, and to check into our Sunday night Rag Chew Net at 7PM on 28.490 MHz. USB. Contact me at jjalbano@aol.com.

See you at the meeting.
73 - Jay

August 10 CARA Meeting Minutes
de N1GSA



Meeting called to order at 8:05 PM by President Marcus Swearingen.

Pledge of Allegiance was recited.

Minutes of the last meeting were read and accepted.

Minutes of the Planning Meeting were read and accepted for information only especially Hamfest clarification.

Treasurer reported a balance of \$4000.92

A sign in sheet was passed and 20 people were present.

Gregory reported on the NEW repeaters. They are on the bench at W1JGM's and have been working properly. The programming is still ongoing. The plan at this point is to shut down the Spruce Mtn machines and activate the new machines at the NF Fire Dept tower. This will be tested for a period of time prior to moving the machines to Spruce Mtn. Which will be soon.

Candlewood Isle, for Islands on the Air, is NOT enthusiastic with using the area for activation this year. Their concern is the Tornado damage that is still undergoing clean-up.

The Car Show event had major weather problems this year. The event was still held with a much smaller crowd than hoped. A great time was had by all who attended.

The Hamfest being our only money-making event and is very important. Help is needed very early to be sure that setup is complete and ready prior to vendors and tailgaters arrival. We need to be there at 6AM for admissions. Food is ready to go with pricing remaining at last year's pricing. Much of our needed equipment is stored at the Bethel EOC. This needs to be inventoried prior to the event. John went over a list that we need to have available. He suggested an after/action critique to make our event better. Talk In will be on our repeater. We will need our own HT's for site communications. Charlie will notify Charter and Comcast about including this in the Community Calendar. A press release has been formulated and is ready for the papers. Door Prizes should go off every half hour. Ideas for raffle prizes were called for.

Next year's Field Day was brought up. Should we continue to use Tarrywile Park? Motion made and seconded to continue June Field Day at Tarrywile if the City will forego the rental cost. Discussion followed. Call for the end of discussion with a vote in the affirmative.

Could Winter Field Day be possible at the Stony Hill Firehouse?

Dan brought up about the banner. A sample from Vistaprint was shown for inspection. Confirmation is necessary regarding size, logo font, etc. The banner should be 96 x 30 in.

Harlan mentioned an email that he received from a NARA member about a former CARA member that is trying to sell his station. Harlan will have this info if anyone is interested.

Respectfully submitted by
Gary S Adams - N1GSA, Secretary

CARA August 24 Planning Meeting Minutes

Meeting minutes not submitted.



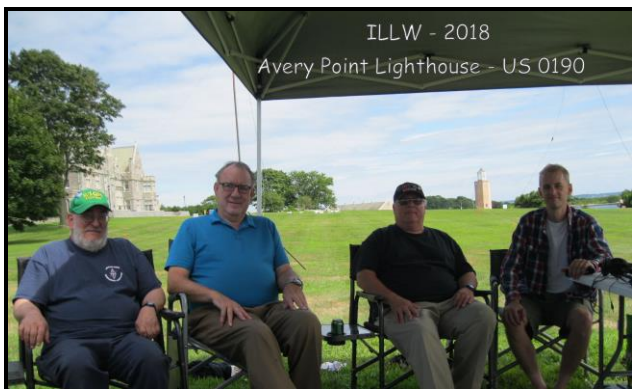
CARA Repeater Committee Update:

de W1JGM

The CARA Repeater Committee met on Friday, August 10 before the monthly meeting. Both replacement Yaesu DR-2X System Fusion repeaters have now been installed at the New Fairfield site. W1JGM and WR1Z reported that they have been programmed and are being tested before moving them to the top of Spruce Mtn.

International Lighthouse and Lightship weekend 5th activation – August 19: W1QK/ LH

Photos: W1QK



(L-R) W1QH, NG1R, W1QK, N1MPL

Avery Point Lighthouse: US 0190, UConn Avery Point campus, Groton, CT. More information about this non-contest event at www.illw.net

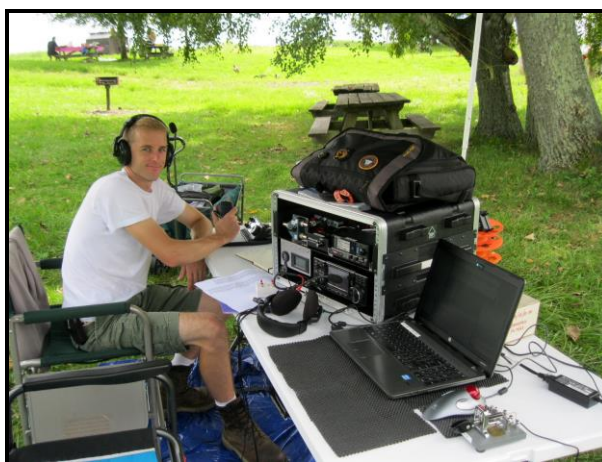
Check out the link to our 2014 report at: <https://illw.net/index.php/reports-from-entrants/33-reports-2014>

Scroll to the end, and click on the link to the .pdf, which was also published in the International Lighthouse Quarterly newsletter.



US Islands QSO Party island expedition – August 25: W1QK & N1MPL

Photo: W1QK



N1MPL operating at Sherwood Island State Park, Westport, CT. US Island: CT 038S.

More information about this event at: <http://usislands.org/qso-party-rules/>

2018 CARA "Western Connecticut Hamfest" August 26 –
Edmond Town Hall, Newtown

Photos: WZ1R, W1QK, W1JGM, KC1IBR, N1NRP









CARA Hamfest Co-Chairman, John – W1JGM, accepting special donations of two Dual-Band (2M/440) magnetic-mount MFJ Mobile antennas from Gene- K2KJI, of KJI Electronics in Cedar Grove, NJ to be raffled at the upcoming joint CARA/YCCC October meeting.

Thank you, Gene, for your continued support of CARA's Hamfest. Visit Gene's website at: <https://www.kjielelectronics.com/>

CARA extends special thanks these sponsors for donating Hamfest Door Prizes:

ARRL: Gift Certificates (1) \$50 (2) \$25

ARRL CT Section: (1) operating Manual (1) Portable Antenna Basic ARRL books

The wireman LLC: \$25 Gift Certificate + Wireman book 5th

Radio Oasis: G5RV antenna

The Adapter Guy: \$10 Gift Certificate

DX Engineering: (1) \$100 Gift Certificate (1) \$50 Gift Certificate for the Raffle + \$20 off coupons for the Door prizes (one given with each prize)

Congratulations to these CARA Western Connecticut Hamfest Raffle Prize winners:

1st place - Xiegu X-108G QRP Transceiver Outdoor Version 9 Bands AM/SSB/CW 1-20 watts.

Robert J Arenella, N2OAM
20 RED BROOK RD
MAHOPAC, NY

2nd Place - TekPower TP350 23 Amp DC 13.8 V Switching Power Supply with Cigarette Plug.

Oscar P Fuller, Jr, KO1F
32 Carriage House Dr
Danbury, CT

3th place - BaoFeng UV-5R Dual Band Two Way Radio Ham Handheld Walkie Talkie UHF/VHF 136-174/400-480Mhz 128 Channels.

Steven F Clark, KC1HYM
31 Shoddy Mill Rd
Bolton, CT

4th place - \$100 Award Certificate from DX Engineering

David M Coelho, WA1JGA
52 Aunt Hack Road
Danbury, CT

5th place - \$50 Award Certificate from DX Engineering

Anthony T Bearse, KB1RUP
132 Christine Dr
East Hartford, CT

Thanks to all who assisted with this year's CARA Western Connecticut Hamfest.

(and Mother Nature for the fabulous weather)



This month's program:

The Hallicrafters SCR-299 story.

The first high power mobile radio systems were the SCR-299, and later the SCR-399, during WWII. It was from these that the first AN/GRC-26 evolved in approximately 1950. The early sets were installed in GMC CCKW 2-1/2 ton trucks and eventually were mounted in many different 2-1/2 ton series of trucks.



ARRL Connecticut Section News:



ARRL CT Section Manager, Chuck Motes - K1DFS.
No August SM message available.



Connecticut Phone Net – CPN

Meets daily: M-F 6:00 p.m. 3.973 MHz.
Sunday: 10:00 a.m. 3.965 MHz.
CARA Contributions:
Wednesday Net control: Harlan, W1QH
Net Manager: Tom, WX1T



Weekly CARA NETS:

CARA 10M “Rag Chew Net”:
28.490 MHz. 7:00 pm Sunday

CARA 2M NET:

W1QI 2M Repeater – 7:30 pm Sunday

CARA PSK31 Digital NET:

28.100 MHz. 7:00 pm Tuesday; 1500 Hz.

**Worked All Connecticut Counties Award,
WACC – Sponsored by CARA:**

<http://www.cararadioclub.org/activities>

Upcoming Contests, Hamfests & Meetings:

- Sept. 14: CARA Monthly meeting - SHFD
- Sept. 15: BARTG Sprint 75
- Sept. 15: New Hampshire QSO Party
- Sept. 15: New Jersey QSO Party
- Sept. 15: New Fairfield Day – Special Event station – N1F
- Sept. 18: SKYWARN Training class – WCSU, Danbury midtown campus
- Sept. 24: ARES Region 5 Monthly meeting
- Sept. 28 – 30: CQWW RTTY Contest
- Sept. 29: Texas QSO Party
- Sept. 12, 19, 26: CWOps CWT 1300Z, 1900Z, 0300Z

Oct. 14: Combined CARA/YCCC meeting with guest speaker – Joel Hallas, W1ZR

New England and other local hamfests:

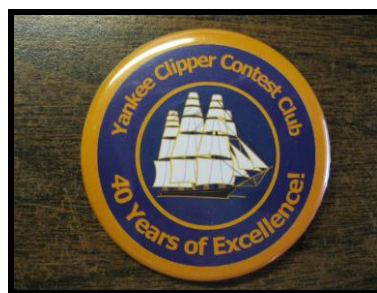
<http://web.mit.edu/w1gsl/Public/ne-fleas>

Complete Contest calendar at:

<http://www.hornucopia.com/contestcal/contestcal.html>

Upcoming CARA Calendar:

- Sept. 14: CARA Monthly meeting
- Sept. 28: Monthly planning meeting – SHFD
- Oct. 5: October Capers input deadline
- Oct. 14: Combined CARA/YCCC meeting with guest speaker – Joel Hallas, W1ZR**



YCCC News

The next scheduled meeting of the Yankee Clipper Contest Club will be held on October 13 in Sturbridge, MA

The program will focus on contest operating.



The 2018 ARRL New England Division Convention in Boxboro, was held on September 7-9.

Some information about the convention:

FEMARA Inc. is a Massachusetts non-profit corporation that sponsors and runs the ARRL New England Division Convention. The group, which has been in existence for over 30 years, began as a consortium of area radio clubs. Our goals are twofold; to offer the richest and most diverse ARRL Convention in the country, and to support the [ARRL Foundation](#)'s scholarship program. FEMARA is qualified under IRS 501(c)(3). Donations to FEMARA are deductible as allowed by IRS regulations.

Scholarships

This is why we hold the convention.

Your donations, and all proceeds from the convention go to the FEMARA scholarship fund at the ARRL Foundation, which helps students attend a college or trade school of their choice. The ARRL Foundation administers the perpetual fund.

Each year the foundation scholarship committee meets to carefully review hundreds of applications received from remarkably talented young men and women. The foundation receives cash and stock donations from hams and their families worldwide which include bequests from living wills and trusts. Please consider helping this great undertaking.

For applications write the [ARRL Foundation](#), Newington, CT 06111 - When you donate to the foundation, please specify the FEMARA New England Fund!

View the [past scholarship recipients](#).



Connecticut ARES Region 5 conducts a weekly net each Wednesday at 7:30 p.m.

New Milford: 146.730 MHz -600 kHz PL 192.8 Hz

NARA analog repeaters for this net:

Washington: 441.850 MHz +5 MHz PL 77 Hz

Woodbury: 444.800 +5 MHz PL 192.8 Hz

Warren: 53.970 MHz -1 MHz PL 110.9 Hz

Please check in – All are welcome.

2018 CARA Ham Exam Schedule:



2018 Amateur radio exam sponsored by CARA at the Stony Hill FD:

December 1. Starting at 11:30 a.m.

Walk-ins are welcome, but it's helpful if candidates call or e-mail Frank Sileo, N1PE, at 203-438-0218, or send a message to [frsileo @ att.net](mailto:frsileo@att.net)

Other upcoming VE exam sessions:

[Litchfield CT 06759-3404](#)

09/11/2018

Sponsor: Northwest Amt

Date: Sep 11 2018

Time: 7:00 PM (Walk-ins allowed)

Contact: Lawrence S. Polowy

(860) 283-4089

Email: lspolowy@snet.net

VEC: [ARRL/VEC](#)

Location: Litchfield Firehouse

258 West St

Park in Rear

Litchfield CT 06759-3404

Trumbull CT 06611-1944

09/13/2018

Sponsor: CT Regional Test Center

Date: Sep 13 2018

Time: 6:30 PM (Walk-ins allowed)

Contact: Kevin W. Cellini

(203) 209-6495

Email: kevin.cellini@gmail.com

VEC: [ARRL/VEC](#)

Location: <http://441700.org/CRTC/crtc.htm>

VE's Residence

49 Sunrise Ave

Trumbull CT 06611-1944

Norwalk CT 06854-2164

10/06/2018

Sponsor: Greater Norwalk ARC

Date: Oct 06 2018

Time: 9:00 AM (Walk-ins allowed)

Contact: Tom J. Alessi

(203) 253-7745

Email: k1ta@arrl.net

VEC: [ARRL/VEC](#)

Location: Greater Norwalk ARC

100 Fairfield Ave

Norwalk CT 06854-2164

Litchfield CT 06759-3404

10/09/2018

Sponsor: Northwest Amt

Date: Oct 09 2018

Time: 7:00 PM (Walk-ins allowed)

Contact: Lawrence S. Polowy

(860) 283-4089

Email: lspolowy@snet.net

VEC: [ARRL/VEC](#)

Location: Litchfield Firehouse

258 West St

Park in Rear

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Contact: Kevin W. Cellini

(203) 209-6495

Email: kevin.cellini@gmail.com

VEC: [W5YI VEC](#)

Location: <http://441700.org/CRTC/crtc.htm>

49 Sunrise Ave

VE's Residence

Trumbull CT 06611-1944



CARA used N1MM+ Contest Logger during the ARRL 2018 Field Day.

For a free download, visit:

<https://n1mm.hamdocs.com/tiki-index.php>



NEWS, PRESS RELEASES, AND GENERAL INTEREST

*The following is **not** a paid advertisement nor endorsement. CARA is an ARRL Affiliated Club, and an ARRL Special Service Club, and we encourage you to consider joining the ARRL to support the programs that the organization sponsors – Editor.*

A New QST QuickStats Poll Has Been Posted

08/31/2018

A new QST QuickStats survey is now available for your viewing and voting pleasure. Check the **QuickStats**

page at <http://www.arrl.org/quickstats>.

- Will you be participating in the 2018 ARRL 10 Meter contest, December 8-9?
 - Will you be participating in the 2018 ARRL 160 Meter contest, November 30-December 2?
 - When was the last time you sold equipment at a hamfest fleamarket?
 - When was the last time you purchased equipment at a hamfest fleamarket?
- Visit the **QuickStats page** and be sure to bookmark it in your browser!

The K7RA Solar Update

08/31/2018

We just saw 15 straight days with visible sunspots, but it ended on Wednesday, August 29 with a sunspot number of zero. There were also no sunspots seen on Thursday, the following day.

According to Spaceweather.com, in 2018 so far, we've seen 134 days (55 percent) with no sunspots. For all last year, in 2017 there were 104 days (28 percent overall) with no sunspots. During the last solar minimum, there were 528 days with no sunspots in 2008-2009, or about 72.2 percent of the days over the entire two years with no activity.

The past reporting week (August 23-29) saw the average daily sunspot number rise to 17.7, from 13 over the prior week. Average daily solar flux rose from 67.5 to 70.6. Average daily planetary A index rose from 10.1 to 19.9, while average mid-latitude A index rose from 10.4 to 13.4.

For HF operations, we want to see high solar flux and sunspot numbers, and low A index, a measure of geomagnetic instability. On Sunday, August 26 we saw high A index numbers from an unexpected crack, opening in Earth's magnetic field. Solar wind spewed forth and the planetary A index rose to 76. During this period the planetary K index (a component of the A index) rose to 7 over a six-hour period. Seven is a big K index number.

The middle latitude A index for the day was 34. But Alaska felt the full force of the geomagnetic storm, with an A index in Fairbanks (the College A index) of 90, a very high number. The College A index hasn't been that high since September 8, 2017 when it reached 110.

Spaceweather.com reported new sunspot group 2720 is the first large spot of the next solar cycle, Cycle 25. The magnetic polarity is reversed from the polarity of sunspots in Cycle 24.

Carl Luetzelshwab, K9LA, noted that the latest spot was not a high latitude event, which would be expected for a new cycle spot. Carl said there was a new spot possibly from the new cycle on April 10, but it was very short duration. Way back on

December 20, 2016 the first spot from the new cycle appeared.

Predicted solar flux is 68 on August 31 through September 7, 67 on September 8-9, 68 on September 10-11, 69 on September 12, 70 on September 13-22, 69 on September 23-25, 67 and 68 on September 26-27, 67 on September 28 through October 6, then 68, 68 and 69 on October 7-9, and 70 on October 10-14.

Predicted planetary A index is 5 on August 31 through September 2, 8 on September 3-4, 5, 5, and 8 on September 5-7, 5 on September 8-10, then 15 on September 11-12, 12 on September 13-14, then 10, 12 and 8 on September 15-17, 5 on September 18-21, then 12, 18, 12, 10, 8 and 5 on September 22-27, 8 on September 28-29, 5 on September 30 through October 3, 8 on October 4, 5 on October 5-7, then 18 on October 8, 15 on October 9-10, 12 on October 11, 10 on October 12-13, and 8 on October 14.

Geomagnetic activity forecast for the period August 31 to September 26, 2018 from F.K. Janda, OK1HH.

Geomagnetic field will be:

Quiet on September 2, 9, 17, 26

Quiet to unsettled on September 5-6, 10, 18, 24-25

Quiet to active on August 31, September 1, 8, 13-16, 18-20,

Unsettled to active on September 3-4, 7, 11-12, 23,

Active to disturbed on September 21-22

Solar wind will intensify on September (10-11,) 14-17, (21,) 22-24, (25)

Remarks:

- Parenthesis means lower probability of activity enhancement.

- Reliability of predictions remains low.

Comment:

I was asking around why no one (myself, though I hesitated) foresaw an immediate massive disturbance roughly one week ago. The answer is simple. In the analysis I neglected the freshest evolution on the Sun, especially the development in the active area 2720, which was much closer to the southern prick of north coronal polar hole than the previously dominant group 2719.

F.K. Janda, OK1HH

Here is an interesting article on the possible transition to Cycle 25: <https://bit.ly/2wt0WEe>



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**CW Ops CW Academy:
Interested in learning CW or improving
your skills?**

Check out www.cwops.org

CW Ops "CWT" Every Wednesday Regular Tests. Full Speed Start: 13Z, 19Z, 03Z (+1), 1-hour each session Exchange: name/number (members) name/SPC (non-members) Avoid DX pileups!

CW Ops CW Practice Sessions:

For: On-air practice at 13+ wpm for CWA students, graduates, others wishing to have real-time CW practice with others similarly afflicted with a love of CW and a need to improve proficiency, with a goal of 25+ wpm.

Purpose: To improve CW through on-air practice at a time and place when others are likely available.

Time and place: 7035-7045 kHz every Tuesday, Friday and Sunday around 6-8 pm local time.

W1QI CWT Operation by W1QK:

August 15, 16

de W1QK

W1QI was again activated in 2018 during three CWT Sessions on August 15 at 1300 UTC and 1900 UTC, and on August 16, at 0300 UTC by Trustee, W1QK. The operator's name sent was **WALT**, in honor and in memory of one of CARA's Charter Members, Walter J. Munzer (1900 - 1968). Walt was 1QI, and then eventually became W1QI, which was issued to him in 1927.

W1QI CWT Results:

CWops Mini-CWT Test - 1300Z Aug 15

Call: W1QI

Operator(s): W1QK

Operating Time (hrs): :51

Summary:

Band QSOs

40: 13

20: 45

Total: 58 Mults = 55 Total Score = 3,190

CWops Mini-CWT Test - 1900Z Aug 15

Call: W1QI

Operator(s): W1QK

Operating Time (hrs): 1

Summary:

Band QSOs

40: 33

20: 49

15: 1

Total: 83 Mults = 73 Total Score = 6,059

CWops Mini-CWT Test - 0300Z Aug 16

Call: W1QI

Operator(s): W1QK

Operating Time (hrs): 1

Summary:

Band QSOs

160: 4

80: 20

40: 45

20: 11

Total: 80 Mults = 70 Total Score = 5,600

Some Ham CW humor from the CWOps Reflector:

Pardon my paddle

From: Dave Edmonds WN4AFP

Date: Sat, 01 Sep 2018 06:28:56 EDT

Hi guys:

Last night in the CWOpen, I had a few mishaps with my paddle. I used 90% paddle only at around 35 wpm or so.

About a month ago, one of those special Clemson University football Coke cans developed a small pinhole leak. I put the can on top of tuner high up over my shack desk.

Overnight sometime, Coke spray was all over my shack and in its sights was my keyboard and my trusty Vibroplex brass racer paddle.

I found the paddle soaked in Clemson Coke.

I cleaned the paddle as best as I could, but there is still sticky soda still in the works.

I like to keep the paddle contacts as 'tight' as possible to make sending more of a touch than effort. Well, on 8-10 contacts I sent the serial number, then when I got to the V in my name, both contacts closed and I sent a very long iambic C until I could hit the switch. I pulled out the handy Allen wrench, and retuned the paddle.

Please forgive my paddle sending mishap. I know why now. I'm a Carolina fan and the Clemson cans got their revenge. I have since removed the other 5 full cans from the shack and possibly the house. I may make someone a good deal on a 5-pack of Clemson University Coke.

May change my CWO name to Soda or Coke. If you hear my long iambic C, or a strong of dits or dahs, please smile and be patient.

Dave WN4AFP CWOps # 1208

Dave Edmonds

For Sale: Asking Price Reduced

Alpha 99 High Performance Amplifier

Alpha 99 high performance HF amplifier. 10-160 Meters including WARC bands. Manual tuning. Wired for 240 VAC. Uses two 4CX800 tubes. Full power (1500 watts) output with 55 watts input. This amp is clean both inside and out. The amp was purchased from Alpha in 2002. SN 9902240255. There are no scratches, no rubbed-off lettering, or dents in the case. This is a one-owner amplifier. Non-smoking environment. There are no mods. Included with the amp is a factory operating manual. Includes two new spare matched Svetlana 4CX800 tubes in unopened boxes with receipt. Extra spare parts also included. This amplifier will NOT be shipped - however, original cartons are included. Inspection, demonstration, and local pickup in South Salem, NY. No trades. Being sold by the XYL of WA2EVH (sk).

Call to make an appointment to check out this awesome amplifier.

Pictures available to email.

Serious potential buyers please.

Asking price is \$2500. (914) 548-2040.



Reminder: Send ads to your CAPERS Editor to post items for sale.



CARA is an ARRL – Affiliated Club

Member and Station News:

Your news or story could be included here in the next issue of CARA Capers. Contact W1QK, Capers editor.

There's always lots of blank space that could be filled with text, pictures, stories, tall tales, and whatever else you've got to contribute.

Come on folks – just snap a pix of your station, antennas, mobile installation, etc. and send it in!



CT ARES News:

ARES Region 5 members participate in August 4 ARES Drill.

de W1QK

The annual Region 5 ARES Communications Drill was held on August 4. Many CARA and NARA members participated from their local EOC's or from other specific locations.

Amateur radio stations in Region 5 including local EOCs, other public safety facilities and relay stations on mountaintops and in homes were active.

Participating stations included ARES operators, local and club-affiliated amateur radio operators, and local EMDs with amateur radio licenses. While the general amateur radio community is

always welcomed to participate in most ARES on-the-air activities, this drill included specific information that was exchanged among ARES member stations on simplex 2M frequencies.

Four “Local Nets” were established within CT ARES Region 5 North and South.

The drill included a unique opportunity for all participating ARES operators to practice receiving and transmitting information where accuracy is paramount.

Information was exchanged that enabled participating stations to reveal a hidden “Fox” as part of the training exercise.

Another element of the drill involved sharing specific municipal resources among the towns according to a pre-planned portion of the drill.

According to Mike Walters – W8ZY, ARRL CT Section Emergency Coordinator, observers from other CT ARES Regions were invited to listen to the drill with the intent of possibly conducting similar exercises in other ARES regions throughout the state of Connecticut.

Reminder: The Great 2018 “Go-Box” Competition

Editor: Thanks to Douglas, WA1SFH for submitting this announcement.



ANNOUNCEMENT...

Release Date: JULY 4, 2018

WHAT: The Great 2018 “GO BOX” Competition

DATE: Sunday, October 21, 2016

Hours: 8:30 am – 10:30 am

WHERE: NUTMEG HAMFEST 2018

Sheraton Four-Points Hotel

275 Research Parkway, Meriden, CT

A Perfect excuse to "Get Organized" to "Go Portable"!

- Make Portable operations less of a hassle and chore.
- Eliminate the last minute hunting for gear before leaving.
- Banish the frustration of not having what you need at the operating site... because it is still back at the home QTH.

Note: For many hams on a budget, their “Go Box” does “double duty” as their Home Station.

The “Go Box” is probably the best way to organize your radio equipment for those times when you want to (or need to) “Grab-’n-Go” for Portable Operations such as:

- Day Trips to: the Park, Beach, Woods, or... the In-Laws.
- Weekend Get-Aways
- Vacations
- Public Service Events
- ARES Drills/Exercises
- Real World Disasters



Don't Have a "Go Box"?

BUILD ONE!

You can build/assemble your own “Go Box” in less than one day, and it will probably be better than my Proof of Concept example.

Learn more at:

www.ctaresregion2.org/forum/prepared-to-go-go-go

BE CREATIVE!

Your creative design and build may be exactly the thing that get someone else to build his own “Go Box”... or modify their existing “Go Box”.

BRING IT!

Come with your "Go Box" to the Nutmeg Hamfest for Display, Judging, and Awards



3 Groups / 10 Categories

Group 1: The Basic "Go Box" (Voice)

- 1A: VHF/UHF – Voice Only
- 1B: HF – Voice
- 1C: Combination(V/U/H)

Group 2: The Intermediate "Go Box" (Voice and Data)

- 2A: VHF/UHF – Voice, Data (RMS Express, "Classic" Packet Radio)
- 2B: HF – Voice, CW, Data (RMS Express "Winmor")
- 2C: Combination (V/U/H)

Group 3: Advanced "Go Box" (Mesh)

- 3A Data
- 3B Video
- 3C Phone
- 3D Combination (D, V, P)

... ENTRY CRITERIA ...

Open to ALL Hams (not just ARES members)



REQUIREMENTS (The Non-Negotiables)

- VHF/UHF radios must be capable of a range of 5-25 watts (or more) output.

- VHF/UHF "Go Boxes" with an HT must have a 20-30 watt amplifier. (2m or dual band)
 - HF radios must be capable of 5-100 watts output
 - Must use Anderson Powerpoles for 12v D.C. power connections.
 - Must have provision for Battery AND Commercial Power
 - Batteries need not be fitted inside the "Go Box" itself.
- A separate Battery Box is perfectly acceptable.

- Battery Capacity Requirement:

Must be sized for a full day shift (13 Hours: 12 hour shift + 1 hr. for late relief operator).

- Note the difference between the Duty Cycles for Field Stations and Net Control Stations.

May use multiple Batteries to achieve goal.

see: www.ctaresregion2.org/forum/the-go-box/1...e-right-size-battery

Judges will be looking specifically for:

- "Go Box" weather resistance
 - "Go Box" portability (weight, dimensions, carrying handles, wheels).
 - Ease of access to console controls
 - Clear Ownership and Function identification labeling
 - Ease of Access to component connections/replacement
 - ARES standard antenna connections: SO-239/PL-259.
 - SMA to SO-239 adapters/jumpers (as appropriate)
 - Multiple headset jacks
 - Use of Bluetooth / remote i/o devices
 - User Manuals
- Option: Need not be in "Go Box" itself.
Can be in a "Office" Bag/Case which is Part of "Go Kit"
- Adapters and spare fuse storage
- Option: Can be included as part of the "Go Kit"



BONUS POINTS

- + Having a CW Key with your HF radio.
- + Keeping each "Go Box" under 25 pounds in weight.
- Good luck in achieving that in the "Combination" categories (1C, 2C, 3D).

Note: The use of Helium (or any other Anti-Grav device) is grounds for immediate disqualification.
+ Having a display of different device Adapters with Anderson Powerpoles.

Examples:

Radio D.C. Power Line to Anderson Powerpole,
Cigarette Lighter Plug to Anderson Powerpole,
Powerline with Rings or Hooks at one end (for Power Supply or Battery Terminals) and an Anderson Powerpole at the other end
Powerline extender (6') with Anderson Powerpole Connectors at both ends.
Etc.



RF Safety

We recommend that antennas NOT be mounted on "Go Boxes".

see: hintlink.com/power_density.htm

Accordingly, we suggest that, as a rule of thumb...

- - VHF/UHF Antennas be installed away from the "Go Box" at a minimum of 17 feet.
- - HF Antennas be installed away from the "Go Box" at a minimum of 14 feet.



AWARDS

The Decisions of the Judges are FINAL!
- There will be no appeals.

Special Note:

The Judges can be bribed. LOL!



<http://www.ctaresregion2.org/forum/prepared-to-go-go-go/622-the-great-2018-go-box-competition>

Visit us on the Web at

<http://www.cararadioclub.org>

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*CAPERS is the monthly newsletter of the
Candlewood Amateur Radio Association
Editor: Dan Fegley, W1QK*

A brief word from our editor...

CARA CAPERS is the monthly publication of the Candlewood Amateur Radio Association, Inc. (CARA) and is intended to present news, issues, and opinions of interest to CARA members and the Amateur Radio Community.

We encourage contributions of articles, letters to the editor, etc. and welcome newsletter exchanges with other clubs from around the country and around the world. Permission is granted to reprint material contained herein as long as proper credit is given to this newsletter and the author.

Ideas for and contributions to the CAPERS should be submitted to: w1qk@snet.net.

Submissions must be received no later than the last Friday of the month preceding month of issue, *unless otherwise specified*.

Submissions should be in MS Word format or ASCII text. Photos should be in .jpg format.

Material received after the deadline will be used in the next month's CAPERS if it's still current and /or newsworthy.

The CAPERS is published by CARA Capers Editor. All material contained herein is considered the opinion of the author and not necessarily that of CARA.

Announcements of events are for informational purposes and do not necessarily constitute an endorsement by CARA.

No responsibility for accuracy is assumed by the CARA Capers editor or newsletter staff.

Typos are included for the entertainment of those who enjoy looking for them and should be reported immediately to any nearby member of

the CARA Executive Committee or other member of the Board of Directors :-)

Courtesy of: The Mahoning Valley Amateur Radio Association's Award Winning monthly newsletter: "Voice Coil"

<http://www.mvara.org/News/Current.pdf>

NOTICE TO CAPERS READERS **CAPERS is an important aspect of our club.**

It's time for **more participation** with this publication.

CAPERS is looking for ANY and ALL input.

Don't be shy, just send a few words, a picture, link, or short message to Dan Fegley, your Editor. If possible, text should be submitted in Microsoft Word format, and images in .jpg format. Please use picture files that are sized for publication.

w1qk@snet.net

CAPERS deadline for input:
LAST Friday of the Month preceding the meeting.

CARA is an ARRL Affiliated Club



Summer -2018 Fox Hunts

de N1NRP

Westchester Emergency Communications Association Hidden Transmitter Hunt & Picnic

I want to start by thanking the WECA team that made today possible:

Jim - AC2IL, who perspired with the Fox all day while everyone drove around looking for him.

Kathleen - KC2VCT, who not only shopped all over to find the best food for us, but also slaved over a large HOT fire grill to cook a meal we will not soon forget. Then, she made sure all was cleaned up after we finished. An amazing feat with the heat we had today.

Simon - KD2DOE, for printing the time /mileage sheets and maps we used to locate the Fox.

Thanks to all who were able to attend today's event. It was not only a fun event, but we all had a fantastic time and a learning experience. It gave us insight as to how to work as a team to reach the final result.

We enjoyed seeing all of you throughout the day. Even the ones who passed us while looking for the Fox. I'm sorry that some who wanted to participate were unable due to health concerns.

If you didn't attend, you missed a WECA good time.

Not only did the teams enjoy helping each other during the search, but it was a special day learning from each other; searching, and then bragging back at the airport while conversing and eating.



(L-R) KD2HQZ - Jose A Martas, WECA President; Simon Rosenberg – KD2DOE, and Stuart R Baker – W7BAK

Everyone discussed their method of searching and the results. Actually, all teams did very well; considering some teams were not familiar with the area, and others had never participated in a hidden transmitter hunt before.

WECA again thanks you all for participating and hope to see you for the next one.

WECA members will be receiving a notice about a hunt on August 18th in the Bridgeport, Ct area.

Of course, everyone wants to hear the results so here goes:

Team 9: Led by Gil Weingarten - KD2PFQ, had the shortest distance of 32 minutes and 6 miles. They did it using body shadowing with an HT. They had the wrong connector for the antenna / radio combination – whoops!

Team 2: Bob - N2DVQ and Bill - KB2OFM had the shortest time of 19 minutes and 12 miles.

Team7: 48 minutes and 9 miles.

Team 8: 16 minutes and 10 miles.

Team 4: 1 hour and two minutes and 14 miles

Team 5: 1 hour one minute and 16 miles

Team 1: 1 hour 2 minutes and 18 miles. They sat 100 feet from the hidden transmitter - not wanting to interrupt so were given credit for the time they arrived at the site.

Team 6: 1 hour 34 minutes and 21 miles

Team 3: Ran out of time before reaching the Fox.

Stan - WA2NRV, Director at Large was the Fox Hunt referee.



Here I am with my good friend and fellow WECA member: KC2ESU -Joe Altamuro.

FARA FOX HUNT

Fairfield Amateur Radio Association

August 18, Bridgeport, CT



CARA MEMBERS (L-R) KB1MZL - Jeff Cronin and W1SMF - Sam Fox came in second place at the WECA Fox hunt. N1NRP, CARA VP congratulating both on a job well done.

After the fox hunt, everyone enjoyed a BBQ and played Bocce at the Westchester County Airport.



Fox hunt participants met afterwards for breakfast.

We all drove to the Discovery Magnet School on 4510 Park Ave, where we met David Schadlich - KB1LTW, Larry Reed - AB1JC, and Fox Hunt referee Jay Albano N1NRP assistant and signed up for the event. The first one to find the Fox location was NE1CU - Ken Johnson. After finding the location, he had to get out and search again for the hidden fox, which was very well hidden under a bush. Congratulations Ken. Second place was CARA member KB1M- Jeff

Cronin, and in third place was CARA member WISMF- Sam Fox. Way to go CARA. Afterwards, we all enjoyed lunch at Bill's Drive-In in Monroe.



These events were a lot of fun, I want to thank members from several area clubs who participated in the Fox Hunts.

They were CARA, PCARA, FARA, WECA, GBARC, GNARC, SARA, and The Midnight Riders.

73 - And Good Future Hunting

Jay Albano, CARA VP



The History of Hallicrafters

How It All Began.

In Boston, Massachusetts, during the spring of 1899, Hallicrafters' founder, William J. Halligan, was born. It would be another thirty-two years before he or anyone else new how crucial a role he would play in the development of radio technology.

As a youngster, Bill was fascinated with the new technology of radio telegraphy, anxiously gleaning information on the subject from the latest scientific journals and the few books that were available.

His first real job, when he was sixteen, was as a wireless operator on an excursion boat in the Boston area. Bill spent the next several years as a wireless operator on a number of ships, serving sea duty on a mine-layer off the coast of Scotland during World War I.

After the war, Bill attended electrical engineering school at Tufts College and then at West Point, leaving West Point in 1922 to marry Kate Fletcher. He took a job as a reporter on a Boston newspaper, and also wrote articles for the 'new' American Radio Relay League.

In 1924, he became sales manager for his old friend Toby Deutschmann, who was distributing imported radio parts to American radio manufacturers. By 1928, Toby's business was booming. Bill decided to strike out on his own as a manufacturers' representative, selling parts directly to the radio makers. In 1928, this decision led Bill to Chicago; most of the radio manufacturers were located there, so it was the logical place to set up shop. For three years his business did well, but in 1931 his clients were hit hard by the Depression, going bankrupt faster than the wind was blowing off the lake!



Bill Halligan – Founder of Hallicrafters

The First Hallicrafters Radios

Continuously active in building and operating his own Ham radio station, but unable to sell enough parts to pay the bills, Bill was inspired to build handcrafted Ham radio receivers, which had not existed previously in any commercial inventory. He made just a few at a time, using the highest quality parts, with no mass production. He called his new business "The Hallicrafters." The name was chosen as a composite of two words: "Halligan" and "handcrafted." Bill adopted the creed "Handcraft Makes Perfect," and it was used in the first logo of the new enterprise in late 1932.



A few sets were built, the S-1 through the S-3, at an old manufacturing plant at 417 North State Street. Immediately the young Hallicrafters company was beset with problems.

Most of the "Hams" these new radios were designed for hadn't yet recovered from the Depression and didn't have the money to buy them. As if this wasn't enough, RCA came down hard on Hallicrafters for patent infringements, insisting that no more radios could be built until they granted Bill a license - which they had no intention of doing! Bill didn't give up. Procuring as many orders for his radios as possible, he contracted with a licensed manufacturer to build them in small production runs of fifty or a hundred sets. He had to use the orders themselves for collateral, an arrangement that at best was very limiting. What Hallicrafters needed was a license to build under RCA patents.

In 1933, Silver-Marshall Inc. went into bankruptcy, and Bill saw an opportunity to get his coveted license. A deal was engineered; Bill and Hallicrafters took over Silver-Marshall Inc., renaming it the "SilverMarshall Manufacturing Company" and operating it from the State Street address. This relationship was also plagued with financial problems and ended in late 1934. Bill was released from his obligations to Silver-Marshall with the help of Ray Durst, a customer credit manager for the Echophone Radio Company. Echophone was also in financial trouble, for all practical purposes out of business. They had a 50,000 square foot plant at 2611 Indiana Avenue, and a good license. Bill struck a deal with the owner of Echophone and the two companies merged, with Hallicrafters being the dominant partner. Ray Durst became vice president of Hallicrafters. During the first few months the company did contract work for other radio manufacturers and large mail-order customers.



Hallicrafters & World War II



US amateur radio operator licenses cancelled by the FCC.

The onslaught of World War II took the U.S. by surprise. There was a shortage of military radio equipment and tremendous government demand for electronic equipment of all types. Many of the existing Hallicrafters products and designs were pressed into military service.

The company geared up for wartime production and was responsible for many new designs and innovations. Probably the best-known of these were the HT-4 (BC-610) and related equipment used in the SCR299.



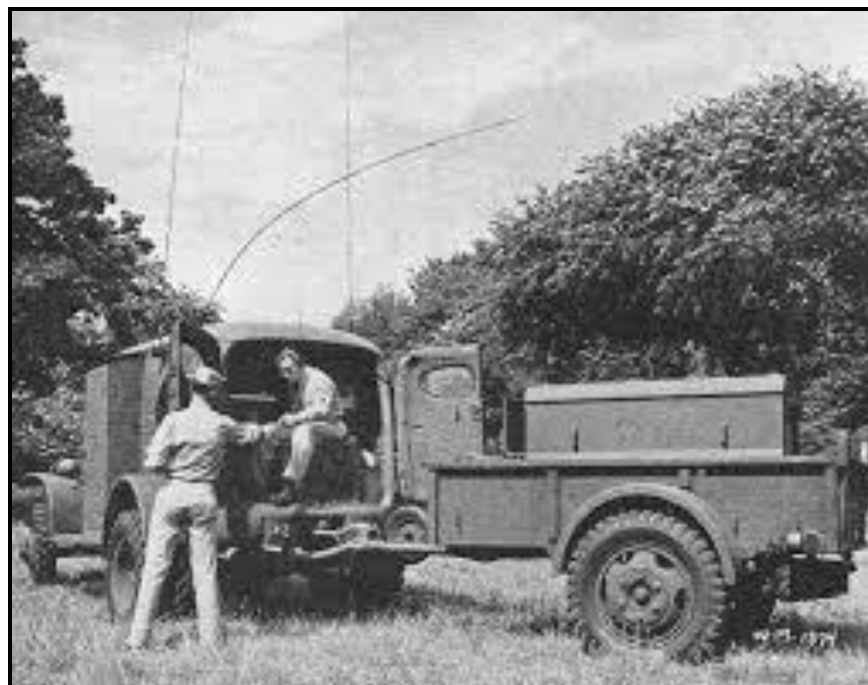
HT-4 450 WATT

The HT-4 is intended for those who want the BEST in an efficient, high-powered rig. The carrier output is 225 watts on phone and 450 watts on CW. The HT-5 preamplifier, supplied with the transmitter, may be mounted at the operating position, controlling volume, keying and standby. Thus, once adjusted to any hand the rig may be operated remotely. The transmitter may be set to any three of the 10, 20, 40, 80 and 160 meter bands. Subsequent selection of any of the three frequencies is by a switch on the front panel. Tubes used are: 1-6F6 crystal oscillator, 1-6L6 doubler, parallel 6X4's-buffer-driver, 1-6K6 final amplifier, PP-2A3 drivers, PP-9K30 modulators, 2-5Z3, 2-866 rectifiers. The HT-5 preamplifier uses 1-6J7, 2-6J5, 1-60. For operation from 110 volts 50-60 cycles AC. Available for special frequencies. Write for prices.

MODEL HT-4—Complete with tubes, crystals, coils for any three amateur bands (10 and 160) and HT-5 preamplifier. Dimensions: 29" x 19" x 37" high. Shipping weight 350 lbs. (TRACD) **\$695.00**

Additional set of coils for any one amateur band (10 to 160)..... **\$26.00**

Available in U.S.A. on Hallicrafters Factory-Sponsored Time Payment Plan



FIGHTING COMPONENTS for FIGHTING EQUIPMENT



B & W COILS and ANTENNA TUNERS for the Hallicrafters-built SCR-299

In the rugged conditions you'll find the SCR-299 Mobile Radio Unit built by Hallicrafters, in the latest version, you'll find B & W's special antenna tuner designed for maximum efficiency.

Special B & W Air Inductors will suggest complete communication radio equipment for complete plane and equipment. Not only is the complete B & W Unit a product of the specialized B & W facilities for electronic equipment production, but B & W engineers collaborated closely with those facilities in its design and construction details.

Placed at their part in the SCR-299, B & W engineers maintain constant vigilance where the matter is performance, dependability, and dependability in your communications.

**AIR INDUCTORS - VARIABLE AIR CONDENSERS
ELECTRONIC EQUIPMENT ASSEMBLY**



BARKER & WILLIAMSON
210 FARMERS STREET, ST. LOUIS, MO.

February, 1942



SHURE Research ... in Headphones

It is logical that engineers, long trained in designing more phones for transmitting the human voice, should be especially familiar with the technique of voice reception.

Headphone design, therefore, is a natural part of their experience.

The Shure headphone employs a unique moving magnet design which combines light weight with maximum sensitivity and reliability.

In headphones, as well as microphones, you may continue to look to Shure for leadership.

SHURE
MICHIGAN

SHURE MICROPHONE AND HEADPHONE DIVISION, 400 WEST MONROE STREET, CHICAGO, ILLINOIS
Manufacturers and Distributors of Microphones and Headphones

February, 1942



Salute to the brilliant use of RCA Tubes!

Since you wish to see fighting units equipped with the best radio tubes, salute their use on the front lines of communication.

Built to U. S. Signal Corps requirements, mobile and SCR-299 equipment has the proven reliability of the finest radio tubes. Through study and use the rugged mobile SCR-299 radio equipment has been demonstrated to be reliable and efficient.

Now Shure has the SCR-299 radio for a complete and accurate picture of receiving the best as it is available in the fighting ground and laboratory.

By studying Shure's radio tubes, you will see the rugged mobile SCR-299 radio equipment has been demonstrated to be reliable and efficient.

Approved for use in the SCR-299 radio equipment, the SCR-299 radio equipment has the proven reliability of the finest radio tubes. Through study and use the rugged mobile SCR-299 radio equipment has been demonstrated to be reliable and efficient.

Approved for use in the SCR-299 radio equipment, the SCR-299 radio equipment has the proven reliability of the finest radio tubes. Through study and use the rugged mobile SCR-299 radio equipment has been demonstrated to be reliable and efficient.



RCA
RADIO CORPORATION OF AMERICA

February, 1942



Jensen REPRODUCERS AND THE SCR-299

With the Best of Communications!

The latest development in mobile communication equipment is the Jensen Reproducer. It is built to meet the requirements of the Signal Corps and is designed to provide the best of communications.

The Jensen Reproducer has been designed to provide the best of communications. It is built to meet the requirements of the Signal Corps and is designed to provide the best of communications.

The Jensen Reproducer has been designed to provide the best of communications. It is built to meet the requirements of the Signal Corps and is designed to provide the best of communications.



Jensen
RADIO CORPORATION OF AMERICA

February, 1942

Post-War Hallicrafters

By August of 1945, the war was over, and so were wartime production and most government contracts. It was time again to produce ham radio equipment. A new line of consumer electronics was needed to satisfy a public hungry for products they had gone without for over five years. The old plant at 2611 Indiana Ave. had served Hallicrafters well during the war years, but the company needed a modern image for their facility and product line in the postwar period. A new plant was designed and built at 4401 West 5th Avenue (5th and Kostner) that would be the company's home for the next twenty years. The products were given a 'modern' look with the help of Raymond Loewy, a well-known industrial designer of the time.

One of the first postwar sets produced in the new facility was the S-38.



Hallicrafters S-38 receiver

The logo was again changed, this time to the familiar "Circle H."



the hallicrafters co.

Production also began on the new line of consumer electronics, including radio phonograph units of all shapes and sizes, AM/FM receivers, clock radios in brightly colored Bakelite cases, and television receivers (the first being the T-54). Many of the consumer products bore the name "Echophone," which had been all but forgotten by that time.

Competition was stiff in the consumer electronics field, and this Hallicrafters line never really took hold, although stayed in production until the late 1950s. Even so, the company was doing better than ever, was employing 2,500 people by 1952. The 1950's were very successful for the company. Bill's son, Bill Jr., and possibly other family members were involved in the operation.



The United States' focus during the 'fifties was civil defense, so many Hallicrafters products from this period bore names like "Civic Patrol" and "Defender."



Hallicrafters Civic Patrol receiver and Defender receivers

Some of the Ham radio products became classics, like the HT-32 transmitter and SX-101 receiver (1957).



Hallicrafters classic HT-32 transmitter and SX-101 receiver



Much of this equipment is still in use today and is sought after by nostalgia buffs and collectors. By 1958, Bill, Sr. wanted to retire, and the company was sold. Little was known about this transaction, but it apparently failed, and the Halligans resumed control a short time later. In 1963, Hallicrafters purchased Radio Industries, Inc. of Kansas City, running it as a subsidiary.

Radio Industries produced many of the Ham radio accessories and some major equipment like the HT-45 "Loudenboomer."



Your CARA Editor purchased and used the Hallicrafters model HA-1 "TO" CW keyer in 1967.



Hallicrafters HA-1 "TO" electronic keyer (tubes)

The Halligans continued operations until about 1966, when the company was sold to the Northrop Corporation. This ended forever the Halligans' involvement in Hallicrafters.

The End of Hallicrafters

Northrop moved the company to a new plant at 600 Hicks Road in Rolling Meadows, IL, and modified the logo again.



While a subsidiary of Northrop, Hallicrafters produced Ham radio products for a few more years, but the main function was producing para-military equipment in Northrop's defense systems division, much of it in El Paso, TX.

For all practical purposes the last Ham radio item produced was the FPM-300 in 1972, and a few accessories through 1974.



There were also some CB units and portable 'jam box' type AM/FM/SW sets of Japanese origin released under the Hallicrafters name. At this point, Northrop turned Hallicrafters over to its partner, Wilcox. The annual sales of Hallicrafters had been falling off sharply since 1970. On December 4, 1975, Wilcox sold the company to the Braker Corporation of Dallas, Texas, represented by Darrell Fletcher. Braker packed up fourteen semi-trailer loads of Hallicrafters records and parts and moved the company to Grand Prairie, Texas. They set up shop there, with several former Hallicrafters employees of the late '60s and '70s who relocated to Texas. A few more CB's and various portable radios of Japanese and Taiwanese origin were released, but Braker began to suffer severe financial difficulties. Around 1980 Braker ceased doing business, and Hallicrafters along with it.

On August 24, 1979, Clarence E. Long (a business acquaintance of Fletcher's from Miami) engineered a purchase of the name, logos, and what was left of the company. A new corporation, called Hallicrafters International, was set up in Miami; it also had international trademarks. Long set up shop and hired a large staff in anticipation of receiving large government contracts to build

paramilitary radios for the armed forces. The new Hallicrafters International had to prove to the government they could handle the contracts as well as the old firm had. Something went wrong, however; Long's plans failed to be approved, and Hallicrafters lost the contracts.

In the early 1980's Long set up a plant somewhere in the New England States, and also had convinced several well-known people in other parts of the country to join the company. Among them was Tom Lott, who had worked for Bell Laboratories for many years and was responsible for research and development of some of the first transistors in the early 1950s. Despite all this activity, Long was in serious financial and legal trouble. He declared bankruptcy on June 1, 1988 in San Antonio Texas. All his property-including the Hallicrafters name, logos, and whatever records were saved - were made property of a court-appointed trustee. Since this time, the Hallicrafters name has not been used, and, for all practical purposes, is non-existent.

Hallicrafters – Young Engineer does good...

William (Bill) J. Halligan, founder of Hallicrafters, was born in Boston, Massachusetts in 1899. He got his first ham license as a teenager. Even at that age he considered himself a radio experimenter and built an early spark-gap transmitter. Bill's first job, at age 16, was as a wireless operator on excursion ships between Boston and other coastal cities.

When World War I began, he put his skills to good use by serving his country as a wireless radio operator on the battleship Illinois. After the war was over he attended engineering school at Tufts College and West Point but left when he married in 1922. He took a job as a newspaper reporter, and then left journalism in 1924 to sell radio parts. In 1928 he decided to start his own company, and moved to Chicago, Illinois. This salesman had ideas for improving the short-wave radios he had been selling. It was a brave venture, with almost no capital, manufacturing license problems and then the depression, but in 1933 Bill founded the Hallicrafters company that made him a legend.

Hallicrafters built handcrafted receivers with state-of-the-art features at an affordable price. By 1938, Hallicrafters was considered one of the "Big Three" manufacturers of amateur receivers (Hallicrafters, National and Hammarlund) and was selling not only in the U.S. but 89 other countries. He had 23 different models of transceivers and was ready to start producing transmitters, beginning with the HT-1. Instead of putting a lot into expensive cabinets, Halligan believed in providing every nickel's worth into the performance of the chassis and the latest in circuit design. His greatest salesmen were those who used his equipment and praised it to others over the air.

When World War II began, there was a tremendous shortage of military radio equipment. Hallicrafters geared up for wartime production, and perhaps the best-known new design is the HT-4 (BC-610) which was used extensively during the war. After the war, focus was again on

consumer electronics, including radio phonographs, AM/FM receivers, clock radios and televisions.

The 1950s were the most successful years for the company. In 1952 Hallicrafters' main plant in Chicago housed general offices and the factory and was a block long. In addition to the main plant was a 3-story building of 72,000 square feet two blocks away, a 1-story coil plant of 12,000 square feet on Chicago's north side, and 150,000 square feet of production and storage space in three other buildings within a five-mile radius of the main plant. The company employed 2,500 people. Many of the radio products became classics, e.g. the HT-32 and the SX 101. Much of this equipment is still used today and collected by nostalgia buffs.

In 1966 Northrop Corporation bought Hallicrafters and moved the company to a new plant in Rolling Meadows, Illinois. The company's main function was to produce para-military equipment and electronic countermeasures systems. Hallicrafters produced a few ham radios through 1972 and a few accessories through 1974.

From 1933 until the company was sold to Northrop, Bill Halligan, W9AC, always supported the ham radio hobby. He died on July 14th, 1992 at the age of 93.

Source: <https://frrl.wordpress.com/2010/10/09/radio-archeology-the-story-of-bill-halligan-and-hallicrafters/>



Additional references about Hallicrafters:

<http://hug-a-bug.com/hallindx.html>

<https://rigreference.com/manufacturers/hallicrafters>

<http://www.the-s38-guy.com/>

http://www.ai4fr.com/main/page_ham_radio_hallicrafters_ha1.html

Epilogue:



Elecraft Headquarters (2016). Watsonville, CA

From the Elecraft website: http://www.elecraft.com/about_elecraft.htm

Elecraft was founded in 1998 by Wayne Burdick - N6KR, and Eric Swartz - WA6HHQ. We're dedicated to hands-on ham radio. We offer unique, high-performance transceivers and accessories that are available both factory assembled, and as kits that you can easily build yourself.



Your CARA Capers editor met up with Elecraft's co-founder, Eric Swartz at the ARRL New England Division convention in Boxboro this past weekend, and posed this question to him: "What is the meaning of the Elecraft name"?

His response was: "It's a shortened version of elegantly crafted".

Perhaps Bill Halligan's inspiration, and the Hallicrafters creed: "Handcraft Makes Perfect" as a composite of two words: "Halligan" and "handcrafted", which was used in the first logo of the new enterprise in late 1932, is carried forward in amateur radio equipment today by Eric's and Wayne's vision of "Elegantly Crafted" by their appropriate "Elecraft" name.

They must be doing many things correctly based on the popularity of their equipment for over 20 years, including their K-Line of high performance transceivers, amplifiers, transverters and associated accessories. Elecraft has also supported and provided equipment to DXPeditions for decades.