



Cleveland Chapter One **NEWSLETTER** Established 1951

Fall Quarter 2025

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<http://qcwa-cleveland-1.org>

Chapter One's Fall Luncheon

**Jeff Covelli, WA8SAJ, Will Talk
About Milt Sullivan, K8XDO (SK)**

Saturday, 11 Oct 2025, at Noon



Jeff Covelli, WA8SAJ

Join us for another of Jeff's terrific programs. This time he will discuss the career of Milt (Buddy) Sullivan, former chief engineer at the R.L. Drake Company. Milt started at Drake during WWII. Jeff says that there will be a few surprises during his program. You won't want to miss this one!

**Meet us at Denny's Restaurant
(Private Back Room)
6207 Wilson Mills Rd
Highland Heights, OH 44143**

As usual, expect live music, 50-50, door prizes and good camaraderie! Bring a friend!

**DON'T FORGET TO RSVP!
(w2thu@arri.net)**

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Summer Picnic Luncheon



W8JH, KC8FQV, KA8CPB, W8AJ, W8DDD
Enjoying their lunch.

Our summer luncheon was a picnic at Wiley park in Mayfield Village. It was a beautiful warm day with lots of sunshine. There was no program. Instead, our guests discussed the origin and function of various ham related radios and devices, including a prize winning Swedish telephone, with the dial inside the bottom stand of the phone. The discussions were very interesting!

Future Luncheon Dates

*January 10, 2026, April 18, 2026,
July 11, 2026, October 10, 2026*



Cleveland Chapter One Newsletter

Editor: Robert M. Winston, W2THU

Distribution: Fred Freer, K8IG

Roster changes: Notify Secretary Marc Barnett, KA8CPB < wireless.marc(at)gmail.com>

Meetings: Quarterly luncheons on the Second Saturday of January, July, and October. Third Saturday in April. Location announced in current Newsletter, and Wednesday Night Net.

Dues: \$10.00 per year if you want this Newsletter mailed to you via USPS. Dues are free if you are 80 or older or accept this Newsletter via email only. **Copyright © 2000-2025** by Cleveland Chapter One QCWA. All rights reserved.

Chapter One Officers

President: Robert M. Winston, W2THU; (216) 924-3314, <w2thu(at)arrrl.net.>

Vice President: Fred Freer, K8IG; (440)446-8000, <k8ig(at)arrrl.net>

Secretary: Marc Barnett, KA8CPB; (440) 476-8800, <wireless.marc(at)gmail.com>

Treasurer: Jim Arcaro, WD8PFFK; (216) 337-2793 <jgarcaro(at)juno.com>

Operational Group

Membership reporter: Open

Net controls: N8ZT, N8QE

QCWA Journal reporter: K8IG

License trustee: N8ZT

Awards chair: Open

Chief radio officer: Open

Chapter musician: WB8ADF

Webmaster: K8ZGW

Sunshine reporter: Open

Please notify Secretary Marc Barnett of any changes in your address, e-mail etc. so your roster information can be kept current.



New Members & Friends:

None reported this quarter.

Welcome! New members are announced and invited to call in on our Wednesday night nets at 8PM. Presently, we are using the NORMA repeater, 147.015 MHz

Happenings:

Metro Sinko, W8MET and **XYL Linda, N8LRS** once again participated in the annual POW/MIA Recognition Day as K4MIA/8.

Jeff Meyer, W4DKW set up a ham radio display and demonstration at the Perry Library in Lake County this past Saturday.

Bob Winston, W2THU set up a table at the Cleveland Hamfest last week to promote QCWA and Chapter 1.

Fred Freer, K8IG, is the new editor of the Antique Wireless Association Journal.

Silent Keys:

It is with deep regret that we note the passing of the following chapter members.

Jim Pracker K8QOT, of Novelty, OH passed away on 22 Jan 25 after succumbing to cancer. He was our chapter's Chief Radio Officer and he provided a home for our 2 meter repeater on 146.85MHz. Jim will be missed.

Do you have anything to brag about? How about a family wedding, recognition on the job or volunteering, or at church? Tell us about an amateur radio activity that you would like to share with us. Any news is worthwhile!

Some “Modest” Tower Work Way Out West

by Fred Freer, K8IG

I spent about 2 weeks in Estelline, South Dakota helping my son-in-law, Mike, N0UCR, finish the assembly on a Heights 60 foot, motor-driven, fold-over tower installation. This endeavor also included the assembly and installation of an OptiBeam 30/40 meter dipole and an OptiBeam 12 element Yagi array for 10, 12, 15, 17 and 20 meters plus a side-mounted Diamond VHF/UHF antenna.

The arrays are rotated with a DXE RT-4500HD rotator controlled by a MicroHAM ARCO rotator controller. Ground rods and #2 copper ground loops were installed as well as new 120/240 VAC wiring. Mike's installation in Estelline (east side of S. Dakota near Sioux Falls) will be operated remotely from his home QTH in Spearfish, South Dakota (on the west side of S. Dakota).



Heights Aluminum Tower at N0UCR



Heights Tower Ready to be “cranked” up

Chapter 1 Exhibits At The Cleveland Hamfest

It was a beautiful sunny day at the Cuyahoga County Fairgrounds in Berea. The outdoor flea market was almost full and there were lots of attendees. We set up inside with the vendors and got a lot of traffic discussing the merits of QCWA.

The following Chapter 1 members helped out at our table: **W2THU, N8QE, WA8ZHN, W8AJ, W8MET and WD8PFK**



Bob, N8QE , Ready to go at 0800

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Fred, K8IG and Mike, N0UCR

HELP OUR FELLOW HAMS TO PASS THE “AMATEUR RADIO EMERGENCY PREPAREDNESS ACT” IN CONGRESS

As many of you know, the ARRL has introduced legislation in both houses of Congress to pass a bill that would allow the Federal Communications Commission to preclude Homeowners Associations (HOAs) from denying licensed hams the right to erect or install an outdoor antenna.

This legislation, Senate Bill 459 and House Bill 1094, which are both identical and bipartisan, were originally introduced in the last Congress but expired at the end of that session. They were introduced again in February of this year, and both are sitting idle in committee. In order to get some movement, the ARRL is asking all licensed amateurs to send a letter to their one US House Representative and two more letters to each US Senator from their state.

The League has made it very easy for you to do so. Go to ARRL.org/hoa where you can click on a link that asks you only one question! What are your call letters? When you insert your call, a letter in favor of this legislation will be generated and sent to your two US Senators and your US House member. It's that simple!

Whether you live in an HOA or not, please help your fellow amateurs restore the same rights that you have to erect an outdoor antenna. And you don't have to be an ARRL member to use the above mentioned link!



FRIDAY LUNCH BUNCH

Every Friday around 11 AM, a group of hams meet at the Manhattan Deli, located on Ridge Road, just west of SOM Center Road in Willoughby Hills. This is not a QCWA event. All hams, and even non hams, are welcome. The food is very good.

President's Perspective

By Bob Winston, W2THU

What does 47 mean in QCWA?-

You might have noticed that when I email people I sign with "47 & 73." I started doing this a few years ago when I noticed that our QCWA president at that time, **Ken Oelke VE6AFO**, was using the "47" signature. Ken explained to me that this was a special signature that only QCWA members used.

Unlike 73, which we all know means "best regards," it signifies that we are members of QCWA. But, why 47? Why not 46 or 48 or 999 for that matter? The answer is simply because the Quarter Century Wireless Association was founded in 1947!

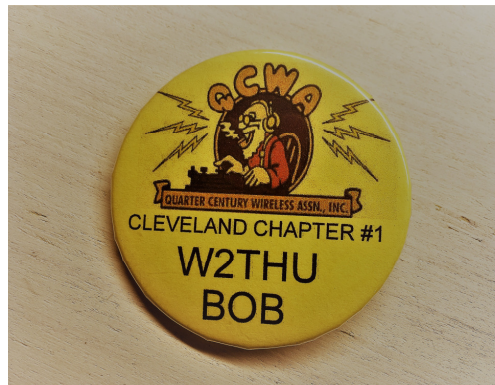
So, if you do the same, you are telling other amateurs that you belong to an organization that requires a bit of longevity. After all, 25 years is a very long wait until you are eligible. Do you know of any other organizations that have this requirement? If so, let us know.

Anniversary Awards -



This is the time of year when I talk about the various awards available to only QCWA members. One of the great benefits of membership are those good looking certificates that basically honor our longevity. So, if you've been a ham for at least 30 years, you are eligible for what some folks call wallpaper. In the old days, this recognition started at 40 years and Chapter 1 would order them from QCWA headquarters and we would present them to you at the fall luncheon.

But now, you can create and download your own certificate up to the 65 year award. In the past, I printed out and framed these handsome awards and brought them to our fall luncheon. However, most of the awardees didn't show up and I ended up bringing them back to my shack. (Yes, I did notify everyone in advance and then, again, after the luncheon.) So, I'm dispensing with this activity unless I hear from you, our members, that you wish to be recognized before your peers.



Everybody Needs a Chapter 1 Badge

Badges Now Available -

Contact chapter secretary, **Marc Barnett, KA8CPB**, who will have one manufactured just for you! Tell him whether you want your first name or your nickname printed, and, of course, your call letters. (See Marc's contact info on page 2.)

David Kazdan, AD8Y -

Dave is a medical doctor with a Ph.D. in electrical engineering. He teaches in the E.E. Department at Case and is the faculty adviser to their ham radio club, W8EDU. We are fortunate to have him in our QCWA Chapter. He has worked with HAMSCI and a recent article he has published in the September-October 2024 issue of *The Canadian Amateur* described their work during the total eclipse of the sun last year. Dave is a very busy person, but we hope that he will be a speaker at one of our luncheons next year. In the meantime,.....

I look forward to seeing you at our fall luncheon at Denny's Restaurant in Highland Heights

Best 47 & 73, Bob W2THU

HALLICRAFTERS SSB TRANSMITTERS FROM THE 1950s AND 1960s

By George Mistic, KE8RN

Introduction

The Hallicrafters, Inc. company was mostly a manufacturer of receivers starting in the mid 1930s, but did make amateur radio transmitters starting before World War II. The first Hallicrafters SSB transmitter appeared in 1954. They made SSB transmitters until 1968, when they were exiting the amateur radio marketplace. They went out of business in the 1970s.



The 1954 model HT-30 SSB-CW-AM transmitter

The HT-30 transmitter was Hallicrafters first SSB capable transmitter. It came in a receiver cabinet. The transmitter had a built-in AC power supply and a VFO. Initially the HT-30 used two 807 tubes that were replaced by RCA 6146 tubes. The SSB signal was generated at 50 KHz using circuitry like Hallicrafters selectivity circuitry in receivers. Either Lower Sideband [LSB] or Upper Sideband [USB] could be selected by a front panel switch. Probably because it was not an amateur band when design work on the HT-30 started, the 15 meter band was not included on the HT-30. It was also missing on the HT-31 linear amplifier, also released for sale in 1954. Hallicrafters sold the HT-30 for \$349.50.

The 1957 model HT-32 SSB-CW-AM transmitter

The larger and heavier HT-32 transmitter went on sale in 1957 for \$675.00. The HT-32 used two RCA 6146 final amplifier tubes for 144 watts input power on SSB and CW. It had a built-in AC power supply, fixed frequency range VFO, and Voice Operated Transmit [VOX]. It did not have an internal antenna relay, so a user supplied Dow Key or other antenna relay was needed to switch the antenna between the HT-32 and the station receiver. The HT-32 transmitter covered 80/75, 40, 20, 15, and 28.5 to 29.0 MHz of the ten meter band. The HT-32 generated the SSB [and other modes] signal at 4.950 MHz; it was the first internal Intermediate Frequency [IF]; this was mixed with the internal VFO to produce a 9.000 MHz second IF. A group of crystals selected by the bandswitch provided an output at the desired output frequency. The HT-32 did not transceive with any receiver. Its styling matched the Hallicrafters SX-101 receiver to make a Hallicrafters station. The HT-33 linear amplifier also matched the HT-32 and SX-101 for a high power station.

Later models of the HT-32 and companion units

The HT-32 was upgraded twice. It became the HT-32A in 1958 until 1961. The HT-32B was made from 1961 to 1964. The knobs changed to match the SX-115 receiver that replaced the SX-101A. The HT-33 was changed to the HT-33A in 1958 and the HT-33B in 1961. Hallicrafters raised the prices as they changed the models. Collins, Heath, and Drake plus the English and Japanese all featured the ability to transceive.

(continued on following page)

HALLICRAFTERS SSB RADIOS (continued from previous page)

Later, the HT-44 and HT-46 did transceive, with the SX-117 receiver for the HT-44 and the SX-146 receiver for the HT-46, starting in 1963 until 1968.

The HT-37 SSB-CW-AM transmitter from 1959

In 1959, Hallicrafters introduced a lower cost station to increase sales of their equipment. The HT-37 matched the SX-110 R-4 Receiver, but did not transceive with it. The HT-37 generated SSB and AM using the phasing method of signal generation. The HT-37 sold for \$495.00, about \$200.00 less than the HT-32 family. The HT-37 looked very similar to the HT-32 except for the color and knobs. Like the HT-32, the HT-37 used two RCA 6146 tubes in the final amplifier stage. The HT-32 family and the HT-37 all ran 144 watts input power on SSB and CW. The HT-37 had no later versions.



The HT-44 was sold 1963 to 1965

The HT-44 SSB-CW-AM transmitter was the first Hallicrafters transmitter that could transceive with a Hallicrafters receiver, the SX-117. Transceiving was first introduced by Collins Radio Company in 1958 with the famous Collins S-Line. It enabled the receiver to control the receiver and transmitter like a transceiver, or at the flip of a switch on the transmitter and receiver, it could operate on different frequencies. The HT-44 was the size of transceivers like the SR-150 and SR-160. It is the only SSB transmitter included in this summary that does not have a built-in AC power supply. It used the Hallicrafters PS-150-120 costing \$99.50 that served the transceivers mentioned. The HT-44 sold for \$395.00 less the AC power supply. It ran 200 watts Peak Envelope Power on SSB and CW and 50 watts input on AM to two 6DQ5 tubes.

The HT-46 was the last Hallicrafters SSB transmitter from 1966-1968

The HT-46 was the last Hallicrafters SSB transmitter. It transceived with the SX-146 receiver, but unlike Collins, Heath, and Drake, it did not transceive with the SX-117 receiver. The HT-46 ran 180 watts PEP input on SSB, 140 watts on CW to a single 6HF5 final amplifier tube. The HT-46 did not offer AM operation. It sold for \$349.95 with the built-in AC power supply. It used a 9.0 MHz Intermediate Frequency.