



Cleveland Chapter One NEWSLETTER

Established 1951

Fall Quarter 2017

W8LYD 146.850 PL 110.9

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

**Come to our Fall Luncheon on
October 14th at *The Play Arcade
and Kitchen* in Mayfield Heights**

ANNUAL AWARDS LUNCHEON



This Saturday, our quarterly luncheon will honor those amateur radio operators who have gone the extra mile to enhance our hobby. All of those selected were recommended by our Chapter 1 members in response to requests for suggestions on the chapter net and via email.

In addition, several QCWA members will receive their Anniversary Awards to commemorate their years of service in our great hobby. If you have been licensed at least 50 years and have maintained your QCWA membership, then you should be eligible for these latter awards.

Join us starting at 11:30 AM for our festivities. **The Play Arcade and Kitchen is located at 5900 Mayfield Road in Mayfield Heights.** Eat off the lunch menu for about \$10.00. Door prizes, 50-50 raffle, music, and fellowship awaits! Please bring a friend! RSVP on the Wednesday night net or to w2thu@arrl.net ■

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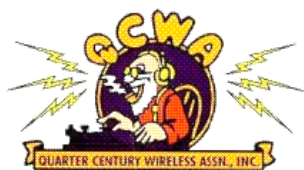
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JACK GOLDFARB, W8WGO, SK



It is with deep sadness that we announce that Jack passed away at the age of 93, on the second day of October, after a short illness. "W8 Water Gas and Oil," was well known and liked in the ham radio community, where he enjoyed 76 years of participating in our hobby.

Jack was a big promoter of our Chapter 1, where he wore many hats, most recently as license trustee and awards chairman. He always checked into our nets and loved to talk about ways to improve QCWA and our chapter and reminisced about the old days when our nets had 30 check-ins and the area chapters met at COOCOM. RIP Jack.



Cleveland Chapter One Newsletter

Editor: .Robert M. Winston, W2THU

Past editors: George Mistic, KE8RN; "Dee" Logan, W1HEO; Bernie Hinrichsen, W2NTB (SK); Joe Zelle, W8FAZ (SK); Joe Tomazic, WT8P (SK).

Distribution: Fred Freer, W8FSF

Roster changes: Notify Secretary Al Moriarty, N8CX; (216) 221-3682;
<n8cx@mindspring.com>

Meetings: Second Saturday of January, April, July, and October at the *Play Arcade and Kitchen*

Dues: \$10.00 per year.

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Chapter One Officers

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

Vice President: Al Moriarty, N8CX

Secretary: Al Moriarty, N8CX; (216) 221-3682
<n8cx@mindspring.com>

Treasurer: Jim Arcaro, WD8PFK; PO Box 324, Wickliffe, OH 44092; (216) 337-2793
<jgarcaro@juno.com>

Operational Group

Membership: KE9UL

Net controls: N8ZT, KC8UIQ

QCWA Journal reporter: WB8N

License trustee: TBD

Awards chairman: Open

Chief radio officer: K8QOT

Chapter musicians: WA8OZC, WB8ADF

Sunshine reporter: Dick Ingraham, WA8TPP,
<reingraham@oh.rr.com >

Web administrator: K8ZGW,
<dritchie@dr.com>

■
Please notify Secretary Al Moriarty of any changes in your address, e-mail etc. so your roster information can be kept current. Thanks.



New Members or Friends of Chapter 1:

Jerry Timmons, W1GT of Bay Village

Several applications were received at the Cleveland Hamfest, but they are still being processed. Names and calls will be announced in the next Newsletter.

Be sure to check into our Wednesday night net at 8 PM on 146.85MHz, PL 110.9

All new members and friends are announced on the net and then they are called by net control.

Sunshine:

John Esborn, K8OCK is home and fully healed after his fall.

Carol Zorn, xyl of Ed Zorn, KE8ZZ, has been recovering at home from a hip replacement.

Recent Activities:

Bob Roberts, KC8UIQ, was married on 17 August to Michelle at Squires Castle . (Congratulations Bob !) N8ZT officiated. Bob also attended the D-Day re-enactment in Conneaut and found it very accurate and detailed.

Bob Winston, W2THU, was the guest speaker at the Dayton Amateur Radio Association in September, where he lectured about the Amateur Radio Parity Act.

Craig Collai, N8ZT, scuba dived in Geauga Lake in August.

Bryan Torok, N8OOF and XYL Sara, KC8KSU, drove over 800 miles to see the total eclipse of the sun.

Silent Key:

Jack Goldfarb, W8WGO, passed away on 2 October 2017. (see Page 1)

TREASURER'S REPORT

By Jim Arcaro, WD8PFK



Fellow members and friends of QCWA Cleveland Chapter One, the bank account is in fine shape, with a balance of 6,908.75 at this time.

We also had several new and renewing members come see us at the Cleveland Hamfest. Thanks and Welcome.

I know there are several of you out there that need to submit receipts to me for door prize purchases, printing, postage, etc. Please give them to me at the quarterly meeting on October 14, 2017, so that you can be reimbursed, or mail them to : PO Box 324 Wickliffe, Ohio 44092, if you cannot attend.

You can also mail your annual LOCAL dues check, which helps defray postage and printing of the newsletter, to the PO Box above. Make dues checks payable to QCWA Cleveland Chapter 1. Local dues are 10 dollars per year.

Also, a reminder that if you are 90 years of age or older, as a perk, your annual dues to Chapter One are waived.

We do not collect National dues. You must settle up with them individually.

I have also created a Facebook page for us, at QCWA Cleveland Chapter 1, and I usually post the quarterly newsletter, reminders about the Hamfests, and other information you might find useful.

If you are on Facebook, simply request to join. If you are not on Facebook, it is easy to join - BUT - be careful what information you share. I set it to share with FRIENDS only, and I left many items of a personal nature blank if I could, or I fibbed.

You do NOT want some identity thief getting useful information from your Facebook account. One last thing ... you do NOT want to FRIEND anyone you don't know. This can lead to sites that are suspect in nature. No great looking gals, or burly hunks. My motto is: If you do not know them, delete and deny.

And if they are really suspect: block and report. I have done this many times to "Natalie". Poor girl. And above all, do not click on any unknown links, they can install spyware, or worse.



Eddie Stevens, KD8FTS, demonstrates his fox hunting skills.

OUR SUMMER LUNCHEON

Eddie taught us how to find the hidden transmitter (the fox) using a handheld 2m/70cm yagi and an HT. The antenna is similar to those used by amateur radio satellite enthusiasts.

Volunteers David Dennis, W8DDD and Bob Winston, W2THU tried to find a fox that they assumed was inside the room, but were puzzled that the signal seemed to be coming from elsewhere. Eddie revealed that the fox was out in the parking lot! A good lesson learned by all 30 attendees.

Thanks to KD8FTS for a most interesting program and demonstration.



Some of the members and guests settling in for KD8FTS's program at the summer 2017 luncheon.

Sunshine Reports

Hear weekly updates on the Wednesday net by WA8TPP



Birthdays this Quarter

Happy Birthday to the following Chapter 1 members. Many happy returns and many, many more birthdays as well.

October

WB8QLW	Tom Sawyer	10/1
N8ZT	Craig Kollai	10/19
WA8SAY	Jeff Covellie	10/22
KE8ZZ	Ed Zorn	10/24
WD8IOU	Dave Autry	10/26
W8QKO	Don Sealy	10/26
K8FH	Fred Helwig, Jr	10/28

November

W8FC	Ford Cole	11/1
N8QXE	John Parks	11/4
K8IIU	John Shott	11/13
K3OTY	John Parsons	11/20
W3SVJ	Nate Firestone	11/22

December

WB8ZEJ	William Kahn	12/3
NI8Z	Gary Dewey	12/7
WB8ZGH	Michael Goffos	12/27

Is your birthday missing or wrong?

Then, let our secretary know.

Birthdays are announced each week during the chapter's Wednesday night net at 8:00 p.m. on 146.850 pl 110.9. Join us! (Corrections to Al Moriarty, N8CX—n8cx@arrl.net)

Chapter 1 Makes its Presence Known at the Cleveland Hamfest



Ed Zorn, KE8ZZ, greets Cleveland Hamfest attendees at the QCWA Cleveland Chapter 1 table.

As we have done so many times in the past, Chapter 1 set up a table at the 2017 edition of the Cleveland Hamfest & Computer Show at the Cuyahoga County Fairgrounds on Sunday, 24 September.

Chapter president, **Bob Winston, W2THU**, awoke at 0 dark hundred in order to have our booth ready to go when the show opened at 0800. The table was decorated with many handouts, including membership applications to both QCWA and Chapter 1, reasons to join Chapter 1, chapter newsletters and a sign in sheet.

Assisting at the booth were Ed Zorn, KE8ZZ, **Larry Caskey, K8LPC**, Treasurer **Jim Arcaro, WD8PFK** and **Al Lada, WA8OZC**. Twenty-six members, guests and potential members signed in, including our ARRL Ohio Section Manager, **Scott Yonally, N8SY**.

WD8PFK signed up several new members and also received dues renewals from current members and friends of the chapter.

President's Perspective

By Bob Winston, W2THU

The sad news came to me a few days ago from our net control, **Craig Kollai, N8ZT**. He emailed that one of our own, **Jack Goldfarb, W8WGO**, had passed away. Jack was a long time member of QCWA and our chapter. Headquarter's records confirm that he joined QCWA in 1981, and was assigned membership number 14715.

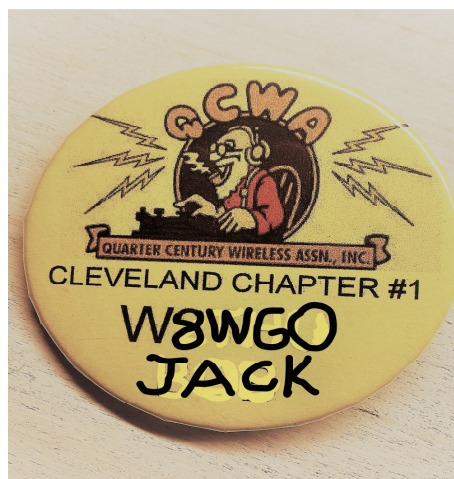
Over the next 36 years, W8WGO held many offices in our chapter, most recently on the Executive Committee as Awards Chairman and FCC License Trustee. He was passionate about QCWA, vigorously promoting Chapter 1, thinking of ways to increase membership and especially our Wednesday night net check-ins. Jack looked forward to and attended every quarterly luncheon, and checked into all of our nets. When he became ill we missed his booming voice on the 146.85 repeater and his comments and questions at the luncheons.

I first met Jack in the 1990s, when he called my office in downtown Cleveland to make an appointment to see me about some ham radio business. Jack arrived with **Dick Ingraham, WA8TPP**. I recall that they were both wearing business suits, so I knew this was going to be very important. After some pleasantries, Jack said "We would be honored if you would be our vice-president." Well, flattery will get you everywhere, so I humbly accepted, and you know the rest.

Jack was the kind of guy who let you know what was on his mind. A few years back, one of the QCWA National Directors contacted our chapter to arrange a special meeting to meet our members and ask if we had any concerns.

I recall that Jack was very direct with this gentleman, who had been nice enough to visit many chapters throughout Ohio. W8WGO questioned QCWA's support to the chapters and suggested that they needed to communicate more often with us. (At that time we were all receiving the *QCWA Journal* in the snailmail, unlike today when you get it via email only.)

Those of you who have the bright round yellow Cleveland Chapter #1 badge, or even the similar looking Lunch Bunch badge, should know that W8WGO made those in his basement.



QCWA Cleveland Chapter 1 was very fortunate to have had this very special, thoughtful and kind man as a member and leader of our organization. His passing is a loss to the entire Cleveland area amateur radio community. Rest in Peace Jack.

As mentioned in the *People* column I had the pleasure to speak to the Dayton Amateur Radio Association about the Amateur Radio Parity Act. There were over 130 attendees, which is a small crowd for the club that sponsors the *Hamvention*. I was honored by the invite.

Jeannie and I look forward to seeing you at the fall awards luncheon!

Best 73, Bob Winston W2THU

The Hallicrafters S-76 Receivers

By George Mistic, KE8RN



The Hallicrafters S-76 was the first receiver to use a very low frequency last IF to facilitate getting very good selectivity with conventional L-C components. The S-76 used a 50 KHz last IF; well below the more common 455 KHz IF. The S-76 is a dual conversion receiver using a 1650 KHz first IF which helps provide better image rejection than a single 455 KHz IF... 1650 KHz is not really high enough as a first IF to provide really good image rejection at 30 MHz, but it was much better than 455 KHz. Hallicrafters and others used the low frequency IFs with good results; the later Hallicrafters SX-101 and SX-117 and other models used the 50 KHz final IF. Drake made all their early receivers using a final IF of 50 KHz; the historic Drake 1-A, the 2-A, 2-B, 2-C and the popular 4-Line family of receivers all used a 50 KHz final IF in a triple conversion design to provide very good and versatile selectivity for CW, SSB and AM reception. Hallicrafters covered the AM broadcast band from 535 KHz to 1580 KHz and general coverage shortwave from 1780 KHz to 30 MHz with ham bandspread. The ham bandspread dial added 15 meters during the production life of the S-76 as 15 meters became a ham band during the early 1950s.

Collins never used a very low frequency IF that I am aware of; they relied upon their invention, the patented mechanical filter often working at 455 KHz to provide excellent selectivity. Hammarlund used a low last IF of 60 KHz on their HQ-160, HQ-170, and HQ-180 receivers. National used a similar triple conversion design on their NC-300 and NC-303 receivers with a final IF of 80 KHz. RME used a 57 KHz low frequency IF on their attractive looking model 6900. The crystal lattice filter soon became the most popular means of getting very good selectivity for most manufacturers by the mid 1960s; Collins stayed with their mechanical filter and Drake stayed with the low frequency IFs for their entire period on the ham radio marketplace.

The most distinctive feature of the Hallicrafters S-76 was the very large S-Meter used on the front panel. The S-Meter only operated on AM reception, as the S-76 did not have a product detector for SSB and CW and also had no Automatic Gain Control [AGC] except when receiving AM. Product detectors were not found on any ham radio receivers when the S-76 came out about 1951. SSB was virtually unknown for ham radio operation at this time; Collins did not begin to promote SSB until about five years later. Central Electronics was about to bring out their first SSB transmitters and receiving adapters when the S-76 appeared on the ham radio market. CW reception was handled by simply using a BFO to produce a beat note with the CW signal; getting good quality reception of CW signals was much less difficult than getting good quality audio with SSB signals. The selectivity offered by the S-76 provided much improved results on CW signals and was easier to get good results from than the single crystal filters offered as a selectivity tool on many high-end receivers when the S-76 came out on the ham radio market. *(Continued on next page.)*

Hallicrafters S-76

(Continued from Page 6),

The Hallicrafters S-76 used a mixture of miniature tubes and octal based tubes. A gaseous octal regulator tube I used to regulate the plate voltage for the local oscillator to improve stability in light of variations in the 115 VAC power line. The high voltage to operate the vacuum tube circuitry was rectified using a 5Y3GT octal tube. Octal tubes were used in the audio preamplifier, audio output stage, and the BFO oscillator. All the tubes in the RF and IF stages were 7 pin miniature types. Like nearly all Hallicrafters receivers, an external loudspeaker was required. Hallicrafters recommended the large and good sounding model R-16 speaker that was also recommended for the premium model SX-71. The S-76 sold for \$169.95 when it came out; it was a considerable amount of money in 1951.

A Vigorous Exercise for Over 60 Year Olds

Begin by standing on a comfortable surface, where you have plenty of room on each side. With a 5-lb potato sack in each hand, extend your arms straight out from your sides and hold them there as long as you can. Try to reach a full minute and then relax. Each day you will find that you can hold this position for just a bit longer.

After a couple of weeks, move up to 10-lb potato sacks. Then try 50-lb potato sacks and then eventually try to get to where you can lift a 100-lb potato sack in each hand and hold your arms straight out for more than a full minute. (I'm at this level.)

After you feel confident at that level, put a potato in each of the sacks.



wiseGEEK

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 and the camaraderie is even better. Come join us!

Ham Radio Services:

Equipment sold or purchased: If you want to dispose of old radio equipment that you no longer want, KE8RN offers to either purchase it or sell it for you on eBay. Excellent eBay reputation with 15 years experience. Call George Misisic on 412-486-8566 or email him at KE8RN@comcast.net.

FOR SALE

The following items are brand new. They have never been used or powered up. All in their original boxes.

Elecraft KX-1 kit with paddle. New \$369. Asking \$325.

Flex-1500 Software Defined Radio. New \$649. asking \$550.

Contact Bob Winston, W2THU:
w2thu@arrl.net or 216-924-3314.

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**CLASSIFIED ADS ARE FREE TO ALL
QCWA CHAPTER 1 MEMBERS.**