



Cleveland Chapter One **NEWSLETTER** Established 1951

Fall Quarter 2016

W8LYD 146.850 PL 110.9

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

Fall Luncheon is October 15th at *The Play Arcade and Kitchen* in Mayfield Heights

ANNUAL AWARDS LUNCHEON and PROGRAM ON UTILITY COMPANY RF COMMUNICATIONS



Our **Saturday, October 15th** meeting is traditionally when we recognize the amateur radio operators in our community who have made special contributions to our great hobby. We also present the Anniversary Awards recognizing your years as an amateur radio operator.

In addition, Chapter 1 member **Jeff Covelli, WA8SAJ**, will explain how utility companies use RF to keep their products flowing flawlessly to their customers. This will be a very interesting program.

Join us starting at 11:30 a.m. for our quarterly luncheon. **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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Our Chapter at Cleveland Hamfest



Dick Ingraham, WA8TPP and **Al Lada, WA8OZC**, help out at the QCWA Chapter 1 table during the Cleveland Hamfest last month. (See *President's Perspective* for more information).

DIRECTIONS TO LUNCHEON

Exit I-271 at Mayfield Road (US 322) Westbound. Travel about 1 mile to Lander Road. Drive past Lander Road and the restaurant will be on your left after Staples. Enter through front door and take elevator to 2nd floor meeting room.



Cleveland Chapter One Newsletter

Editor: Robert M. Winston, W2THU

Past editors: (living) George Mistic, KE8RN;
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Roster changes: Notify Secretary Al Moriarty,
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Meetings: Second Saturday of January, April,
July, and October at the *Play Arcade and Kitchen*

Dues: \$10.00 per year.

Chapter One Officers

President: Robert M. Winston, W2THU; (216)
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Vice President: Al Moriarty, N8CX

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

Treasurer: Jim Arcaro, WD8PFK; PO Box 324,
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Operational Group

Membership: KE9UL

Net controls: N8ZT, KC8UIQ

QCWA Journal reporter: WB8N

License trustee: W8WGO

Awards chairman: W8WGO

Chief radio officer: K8QOT

Chapter musicians: WA8OZC, WB8ADF

Sunshine reporter: Dick Ingraham, WA8TPP,
<reingraham@sbcglobal.net >

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.

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New Members:

The following joined at the Cleveland Hamfest. Welcome!

Jim MacMillan, WA8ZHN, Rocky River
Ken Kane, KG8DN, Gates Mills
Bryan Torok, N8OOF, North Olmsted
Tim Hunter, KD8OXS, Cleveland

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

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

Recent Activities:

Dwaine Modack, K8ME, was awarded CQ-RTTY Honor Roll No. 14. Congratulations Dwaine!

Bob Winston, W2THU, was appointed the ARRL State Government Liaison for Ohio by Section Manager Scott Yonally, N8SY

Bob Robertson, KC8UIQ, announced his wedding is set for August 2017.

George Mistic, KE8RN, has written two articles that will be published in *QST*. The November 2016 issue features his review of the Gonset G-66 and G-77 Mobile Receiver and Transmitter, while he expects his review of the Collins KWM-1 to appear in February 2017.

Sunshine:

Dave Foran, WB8APD, former treasurer is recovering at home from a stroke that has left him with some deficits.

Al Lada, WA8OZC is almost fully recovered from his shoulder surgery and expects to play his accordion again at the luncheon!

**MESSAGE FROM
OUR SECRETARY**



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Hi everyone and welcome to fall. We all hate to see summer end but winter is inevitable!

It's time to make certain that our stations and antennas especially are ready. The BIG contest season is just beginning. Overall, we had a very pleasant summer and still have many great weather days ahead before any snow falls.

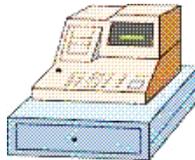
Until we meet again in January, I certainly wish everyone a very, very happy holiday season and the vy vy best of 73's.

Al, N8CX, VP/Secretary

TREASURER'S REPORT

This is **Jim, WD8PFK**.

I have accepted the position as treasurer for Chapter 1, due to the illness of Dave Foran, WB8APD. We wish Dave well in his recovery and I have told him to take it easy.



At the Cleveland Hamfest we signed up or renewed 5 members: Jim WA8ZHN, Bryan, N8OOF, Ken, KG8DN, Tim, KD8OXS and Larry, K8LPC. After depositing their dues in the treasury, the bank balance stood at \$XXXX.xx.

If you are interested, the next hamfest I know about is Sunday, October 16th in Conneaut. The location is the American Legion Hall, 272 Broad Street, Conneaut. Exit I-90 at SR 7. Mobile check in on 147.390 MHz, PL 131.8 Hz.

**MEMBERS' MEMORIES OF
AMATEUR RADIO SUPPLY**



After 59 years AES closed all of its stores, including our Cleveland area location on 27 July 2016. Old timers remember the first shop was further west on Euclid Avenue near Green Road. Later, AES purchased the abandoned A&P building in Wickliffe. The following recollections were supplied by members who checked into the club net on 13 July 2016.

Bob, W2THU remembers going to the first store even before he moved to Cleveland in 1978. Later, he brought SM00Y to the Wickliffe store and Lars gave them his QSL card which was still posted above the counter the day they closed the doors forever!

Dick, WA8TPP recalls going many times. One salesman also sold cars and Dick bought a vehicle from him

Jack, W8WGO said they took a lot of his money over the years buying rigs.

Craig, N8ZT conducted ham exams in the back of the store as a VE

Ray, N8EQT said his biggest thrill was visiting the store and meeting hams he had talked to on the air but had never met.

Dick, W8FDN remembers the two fellows who started the preceding store (ed. Pete Smith and John Linton)

Don, N8JIW purchased his first rig, an FT-102 there and he still has it.

(If you want to share your AES memories, or write an article about the store, email to your editor: w2thu@arrl.net.)



Birthdays this Quarter

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

October

WB8QLW	Thomas Sawyer	10/1
N8ZT	Craig Kollai	10/19
WA8SAJ	Jeffrey Covelli	10/22
KE8ZZ	Edward Zorn	10/24
WD8IOU	Dave Autrey	10/26
W8QKO	Don Sealy	10/26
K8FH	Fred Helwig, Jr.	10/28

November

W8FC	Ford Cole	11/1
N8QXE	John Parks	11/04
K8IIU	John Shott	11/13
K3OTY	John Parsons	11/20
W3SVJ	Nate Firestone	11/22

December

WB8ZEJ	Bill Kahn	12/3
N8IZ	Gary Dewey	12/7
WB8ZGH	Mike 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)

HEARD ON OUR CHAPTER NET



Instead of trying to answer a trivia question, our nets feature discussion questions.

“Are you as enthusiastic about ham radio as when you started?” was discussed on 6 July. **Dick, W8FDN** said that in the beginning there were a lot of things to do and a lot of people to socialize with and it remains the same today. **Jack, W8WGO** is a bit more enthusiastic because there are so many more modes and he likes to learn about each one, while **Joe, KE9UL** admits that he is not as enthusiastic about working HF as he used to be.

On 27 July we discussed our high school ham stations. **Ray, N8EQT** attended Benedictine 47 years ago. He wasn't into the hobby then and doubts they had a station. **Dwaine, K8ME** started a ham club at John Marshall with a Galaxy 5 transceiver. It disbanded when he graduated.

W8WGO founded a ham station at Collinwood in 12th grade (1942).

Will you go to Hamvention at its new location near Xenia was discussed on 3 August. **W8FDN** said no more Hamventions unless they are in Cleveland. **Al, WA8OZC, Bob, W2THU, W8WGO, Ken, K8YLY,** and **Don, N8JIW** all said they will go. Don said he is from nearby Springfield and he came to Cleveland to attend CWRU.

Why not add your 2 cents worth by checking into our weekly chapter net every Wednesday evening at 8:00 pm on our own 146.85 repeater.

President's Perspective

By Bob Winston, W2THU

The front page photo depicts our club's presence at the Cleveland Hamfest, where Chapter 1 has been in the same location for as long as I can recall. **Dick Ingraham, WA8TPP** and I set up the table, which was later manned by **Larry Caskey, K8LPC**, **Al Lada, WA8OZC**, and our new treasurer, **Jim Arcaro, WD8PFFK**, among others.

We did a brisk business, meeting and greeting members and non-members, handing out literature and signing up 4 new members to boot!. (see *People* column.) Our sign in sheet reflected 31 visitors, so we did quite well!

Please welcome our new treasurer, **Jim Arcaro, WD8PFFK**, who has graciously agreed to handle the chapter's finances. A big thank you to **Dave Foran, WB8APD**, who did an excellent job as former treasurer. We wish him well!

A lot has happened in the amateur radio community since my last column. AES went out of business, the Dayton Hamvention is moving to the Xenia area due to the closing of the HARA Arena, and the ARRL sponsored Amateur Radio Parity Act bill easily passed in the U.S Senate. If it passes in the U.S. House of Representatives and signed into law by the President, then hams who live in restricted communities like Homeowners' Associations and condominiums will be able to erect some sort of outdoor antenna. Like PRB-1, which applies to municipal zoning ordinances, I expect that this new law will lead to a fair amount of litigation in the federal courts, because its meaning is somewhat vague.

Hopefully, it will be as successful as PRB-1 in allowing hams to get on the air no matter where they live.

Now that I am the newly appointed ARRL State Government Liaison for the Ohio section (thanks Scott!), I will need your help in reporting any new legislation, whether local or statewide, that may affect our hobby. For example, is your township thinking about adopting a new height ordinance for structures? Even if towers are not mentioned, it could affect them, too. How about a city council discussing a new ordinance to regulate inattentive driving? Such a law could limit your mobile operations. If you become aware of these proposals, please email me (w2thu@arrl.net).

I don't attend as many hamfests as I used to, but the Conneaut Hamfest is very close to home and I have been manning the ARRL table there since they started it up again a few years ago. I do have 2 free tickets to Conneaut that I will give away to the first 2 hams that contact me via email. Although small, it is very well attended and they do a good job.

Best 73, Bob Winston W2THU



Bob, W2THU at Alexandria Bay, New York. This is near the Thousand Islands Bridge and the Canadian frontier.

THE CLEGG THOR AND THE GOLDEN AGE OF SIX METER AM

By George Mistic, KE8RN

Six meters became a very popular band in the 1960s. When the technician class of license allowed six meter operation, the popularity of six meters went wild. In the 1950s, 1960s, and 1970s, many commercial rigs for 50 MHz AM operation became available; at the low end was the Heathkit SIXER with 5 watts and a super-regenerative receiver, and the Lafayette HE-35 with a bit more power and a simple superheterodyne receiver.



A tier above these minimalist rigs were many radios running 10-25 watts crystal controlled and having a decent superhet receiver, sometimes with a noise limiter and squelch like the Gonset Communicators, Utica 650, Clegg 99er, Olson Six [made by Utica], Lafayette HE-45, Allied Radio TR-106 and later the Clegg 66er. At the top of the transceiver hierarchy was the Gonset G-50 and the Clegg Thor. Above them were the Clegg Interceptor VHF Receiver and the Zeus 185 watt AM-CW transmitter for six and two meters.

I will take a look at the Clegg Thor here because it is an interesting radio with some innovative ideas. Like the Gonset G-50, the Thor has a fifty watt AM transmitter ending in a 6883 which is a 6146 with a 12 volt filament to facilitate mobile operation. The G-50 was intended only for use as a home station; no provisions for mobile operation were included. The Clegg Thor had an RF unit including the receiver, transmitter, and associated electronics; this made the unit at your operating position considerably smaller and lighter. The power supply and modulator were separate; the modulator for home use used vacuum tubes for the 25 watts of audio needed for AM plate modulation, the power supply and modulator for mobile use was solid state to conserve power and space when mobile.

The Gonset G-50 had a built-in VFO to give the user flexibility in frequency control although the transmitter was completely independent of the receiver, each having its own tuning frequency control. On the Gonset product, both the receiver and transmitter covered the whole band from 50 to 54 MHz. The Clegg Thor covered only 50 to 52 Mhz, as virtually no one ventured above 51 MHz.

Eunice Bernon, K8ONA, operated the Apricot Net at 51 MHz, at the time the highest frequency one could find activity. Staying low in the band probably started in areas with television channel 2, which started at 54 MHz. The Clegg Thor unlike nearly all other six meter AM radios, was a true transceiver; the unit received and transmitted on the same frequency, with both controlled by the main tuning knob. This was accomplished by using a tunable oscillator covering 39.3 to 41.3 MHz and a receiver first IF of 10.7 MHz. On transmit, the tunable oscillator was mixed with a 10.7 MHz crystal oscillator resulting in an output of 50 to 52 MHz. This technique is very common in modern high-frequency equipment but was totally unique to the Clegg Thor in VHF equipment at the time.

Years later and with much greater sophistication, six meter SSB rigs like the Swan 250, Clegg Venus, Gonset Sidewinder [a whole separate story about early transistor ham radio rigs], and Drake TR-6 made true transceive operation common. In the mid 1960s, Collins upped the ante on VHF by bringing out their 62S-1 VHF Transverter for the S-Line and KWM-2; this was not a big seller due to cost and complexity and being way ahead of the SSB startup on VHF.

Longtime six meter operators may remember Vic Andreko, K8YYK, and his six meter road patrol on 50.4 MHz. He ran a Clegg Zeus and Interceptor on six meters and was the subject of many news items because of his ability to win the WATV award [Worked All TeleVisions!]. Vic and his brother Basil were members of Chapter One of QCWA some years back. For lovers of old equipment and ham radio history, six meter AM stations tend to look about 50.4 MHz for other AM operators, while SSBers hang out about 50.110 MHz. Try it; its fun!

MEET OUR NEW TREASURER JIM ARCARO, WD8PFK



Jim was first licensed in 1977 as a Technician and later upgraded to Amateur Extra. In addition, he also holds the FCC Commercial Radio Telephone license.

He received his Associates degree in EET at Lakeland Community College and earned additional college credits at CWRU and CSU. Professionally, Jim has been certified as an Electronic Technician by the ETA and NESDA and further certified by the SBE as a Professional Broadcast Engineer. He also co-founded the NEO Chapter of the Society of Broadcast Engineers where he was the local treasurer for over 10 years

WD8PFK recently retired after 43 years of experience in AM/FM radio, cellular communications, two way radio and electronics communication. Notably, he worked with GTE Mobilnet to install the first cellular system in the Cleveland area, was Chief Engineer at WJMO, and staff engineer at WERE, WWWE and WGAR.

WD8PFK also worked in education as a technical writer, instructor and technician at the Cleveland Institute of Electronics and an instructor and then Director of Instruction at the Electronic Servicing Institute.

Jim's other love, besides ham radio, is railroading. He volunteered for 5 years on the 4070 steam locomotive crew that ran the train from Cleveland to Akron. He also crewed the "Polar Express" locomotive 1225 in Michigan and participated in steam locomotive engineer training on the WesternMaryland Scenic Railroad, locomotive 734. He has installed radios on these locomotives, too.

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!

YOUR HELP IS NEEDED

Periodically, we request assistance in keeping our chapter strong. We have been operating without a vice-president for several years. It would make things a bit easier if someone would assume this role and take over some simple duties now handled by the president, such as buying the door prizes for the luncheons, selling the 50-50 tickets at the luncheons and running the meetings when the president is out of town.

Another task is to handle the publishing of the paper version of our newsletter. I prepare the newsletter using Microsoft Publisher, then I email it to Don Ritchie, K8ZGW, who massages it a bit and then posts it on our website. But, about 80% of our members still want the paper version. Would someone volunteer to bring the newsletter, either physically or in electronic form to FedEx/Kinkos where they will print about 90 copies. Your job would be to fold, staple, label and stamp those copies and put them in the mail slot at your local post office. This entire process takes about 2 hours, 4 times a year.

Please email me (w2thu@arrl.net). Tnx!