



Cherry Juice

Newsletter of the Cherryland Amateur Radio Club

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#1082



President's Corner

Project Nights for New Hams!



Now that summer is over and everyone is settling back into a routine, I'd like to invite you to a new initiative from the Cherryland ARC...It's called Project Night Sessions for New Hams...

Up until now, the club set you up with a 2-meter VHF radio, programmed it for the club repeater and pretty much cut you loose...That's good to get you started but there is so much more about the hobby we can teach you about...Your Technician's License offers operating privileges on the HF bands...We want to explore that with you and guide you through the setup a HF station. We'll cover radios, power supplies, antennas and general safety practices...We'll have demos and projects we can work on to enhance your understanding of the hobby and what it has to offer...Have a new radio?...Bring it in and we will guide you through its features and operation...This will be a hands-on program designed to answer any questions you may have to get you moving in the right direction...

Our club VP Mike Vandermey KD8REH will be team leader for this new initiative...Topics will be announced at each regular monthly meeting with sessions held on the following two project nights...

I think you will find this new program entertaining, informative and fun...The topic for October is Antenna Basics...Mike will cover antenna fundamentals, coax, connector and feed points...Everything you need to construct your first antenna...I hope you can attend...We are excited about this program and we hope you will be too...See you there!

Jim, WB2LHP
President, Cherryland ARC



COMING Feb. 10 2024

50th Annual Swap-N-Shop

As the Cherryland Amateur Radio Club gears up to celebrate our “golden” Swap-N-Shop anniversary next year, We wanted to begin communications now regarding an important change to the event.

For the last few years the Cherryland ARC has enjoyed hosting the event at GTACS’ own St. Francis High School downtown TC. The change in venue was due to the demolition of the **Immaculate Conception Elementary School location at 314 Vine St.** in Traverse City.

Now that the new Immaculate Conception Elementary School has been rebuilt (and it is wonderful!) we will be holding the Swap-N-Shop at this location on Feb 10th, 2024.

Be sure to stay tuned to our [radio-nets](#), [email list](#), [website](#), [social media](#) announcements so that you can absorb all the details for the next swap! Or just [keep reading our lovely newsletter](#). ☺

And be sure to mark your calendars for the

Cherryland Amateur Radio Club 50th Annual Swap-N-Shop
February 10th, 2023

**Immaculate Conception Elementary School,
314 Vine St., Traverse City MI 49684**



W8TCM ACTIVATES NORTHPORT LIGHTHOUSE

By Scott Pyles, WX1J

Saturday, August 19 was day one of the International Lighthouse, Lightship Weekend event and CARC members voted to participate in this event instead of the annual local fox-hunt event.

Drake, N8DMH was the chairperson organizing the activation. Ward, N8WK secured permission from the lighthouse manager and about 12 people showed up to participate in some way in the activation.

First, a huge thank you to the lighthouse management and staff, all of whom were both interested in our activity and helpful in getting us set-up! Thank you!

The first order of business was to get a wire in the air. The 20 meter dipole was not in it's box in storage, so a G5RV was pulled into service. Of many options- we secured one end of the antenna to the railing the top of the lighthouse. A tree was selected southwest of the lighthouse- a fishing rod and golf-ball got a rope over the highest branch we could reach. The rope tied to the 102 foot other end of the antenna got it up to approx.-imately 30 feet. Four feet short of

the ladder line requirement. So we pulled it horizontal to keep it off the ground. The ladder line dictated where the station would be set-up. The Club's Kenwood TS-450 was connected and fired up. With a good ear, we began hearing stations- and making contacts with other light-houses.

First contact was N1KSC at the Cape Canaveral Lighthouse on 20 meters. 5X9 both ways. W8TCM was on-the-air.

Glen, K8SGZ, also made lunch for everyone. *Continued next page*



The **International Lighthouse and Lightship Weekend** is an annual event on the third full weekend of August each year.

The event was the brainchild of Ayr Amateur Radio Group in Scotland. The event, which started in 1998, has developed into an international gathering of amateur radio operators from an estimated 95 countries.

The objective of the ILLW event is stated as "to promote public awareness of lighthouses and lightships and to promote amateur radio and to foster International goodwill."

The basic format of the event is that members of a local amateur radio club will set up a radio station either in, or near a lighthouse and operate over the whole or part of the weekend.



Lunch or Radio? Now, Andrew, KE8WSZ chose both.

Tony, KE8SBZ also chose Radio over lunch, as he set up his new Xiegu G90 and freshly brewed End Fed Half Wave antenna.

Dave, K8WPE was there from start to stop, providing great advise, assistance and interfacing with the many non-ham passers-by who wondered what on earth was going on. Dave had a great way of helping them understand.

Kevin, KD9WWU and his wife Ann enjoyed the on-air activity as did many other hams who stopped by and said hello including Jim, AC8DG, and others whose call I did not write down. . . Sorry.

What did we learn?

- ❑ We learned that a lighthouse activation drew more participation than the Fox Hunt.
- ❑ We learned that if we are going to have an event from 10 – 3, that we need to have a quicker antenna set-up. – To follow on this thought, the Club will be practicing rapid deployment set-ups a few times this fall in order to find a system that will work in case of an emergency, or in case of a lighthouse activation.
- ❑ We learned that good weather, radio and food are what Summer in Cherryland is all about.
- ❑ We learned that a site activation where visitors are mingling, exposes ham radio to the public in a good way.
- ❑ We learned that the International Lighthouse-Lightship Weekend is a great on-air event, not a contest, that is both fun and educational.

Where do we go from here?

Aside from the previously mentioned rapid deployment set-up practice. The club plans to participate again next year from the Grand Traverse Lighthouse and perhaps one or two more



depending on member interest in activating and enjoying an afternoon or two to playing Radio on the shores of Lake Michigan.

Have an idea? Want to participate next year – drop us a note at email@cherrylandarc.com.



News you can use

International Space Station SSTV EVENT

From **October 3**, 2023 to October 5, 2023, images will be transmitted from the International Space Station via the SSTV protocol as part of the “**About Gagarin from Space**” experiment.

History changed on October 4th, 1957, when the Soviets successfully launched the Sputnik spacecraft. Its orbit took 98 minutes in an elliptical path, and the satellite was about the size of a beach ball (22.8”) and weighed only 183.9 lbs. This launch effectively ushered in a new era of political, military, technological and scientific developments and became known as the start of the “Space Race.”

In its LEO (Low Earth Orbit), the satellite was the first to reach space and also completed its entire 22-day mission. Sputnik 1’s legacy continues to be seen today as the mission that would inspire numerous advancements in aerospace and engineering.

SSTV images will be transmitted on **145.800 MHz** using the Kenwood TM-D710 transceiver aboard the ISS. They are expected to use the **PD-120 SSTV format**.

Start of transmission: **October 03**, 2023 at ~14:40 UTC.

End of transmission: **October 05**, 2023 at ~18:15 UTC.

Following is a list of ISS passes using data from Heavens-Above.com centered on the middle of downtown Traverse City in Local Time (EDT).

Green passes are the best (highest altitude, longest duration) and will be the easiest to receive. Darker grey passes are the shortest and lowest altitude from our location.

Images can be received by starting at 145.805 and moving to 145.800 then 145.795 during the pass, and using an SSTV-decoding software such as [Robot36](#) (Android), the [SSTV App](#) (iPhone), or [MMSSTV](#) for PC. Your author typically holds his android phone using Robot36 near the speaker of his old Yaesu HT for some pretty darn good decodes!

Date	Start Time	Alt	Azimuth	Highest Point	Alt	Azimuth	End Time	Alt	Azimuth	Pass Type	Duration
10/3/2023	13:01:53	10°	S	13:04:23	20°	SE	13:06:54	10°	E	daylight	0:05:01
10/3/2023	14:37:33	10°	WSW	14:40:52	65°	NNW	14:44:12	10°	NE	daylight	0:06:39
10/3/2023	16:15:12	10°	WNW	16:18:04	25°	N	16:20:56	10°	NE	daylight	0:05:44
10/3/2023	17:52:30	10°	NW	17:55:30	29°	NNE	17:58:28	10°	ENE	daylight	0:05:58
10/3/2023	19:29:11	10°	WNW	19:32:31	81°	SSW	19:35:52	10°	SE	daylight	0:06:41
10/3/2023	21:07:26	10°	WSW	21:08:47	12°	SW	21:10:09	10°	SSW	visible	0:02:43
10/4/2023	12:15:03	10°	SSE	12:16:26	12°	SE	12:17:50	10°	ESE	daylight	0:02:47
10/4/2023	13:49:23	10°	SW	13:52:43	82°	SSE	13:56:03	10°	ENE	daylight	0:06:40
10/4/2023	15:26:46	10°	WNW	15:29:45	29°	NNW	15:32:44	10°	NE	daylight	0:05:58
10/4/2023	17:04:19	10°	NW	17:07:10	26°	N	17:10:03	10°	ENE	daylight	0:05:44
10/4/2023	18:41:01	10°	WNW	18:44:21	66°	NNE	18:47:41	10°	ESE	daylight	0:06:40
10/4/2023	20:18:20	10°	W	20:20:50	20°	SW	20:23:19	10°	S	visible	0:04:59
10/5/2023	13:01:20	10°	SW	13:04:34	50°	SE	13:07:49	10°	ENE	daylight	0:06:29
10/5/2023	14:38:19	10°	W	14:41:25	35°	NNW	14:44:33	10°	NE	daylight	0:06:14
10/5/2023	16:16:00	10°	NW	16:18:49	24°	N	16:21:36	10°	ENE	daylight	0:05:36
10/5/2023	17:52:51	10°	NW	17:56:06	45°	NNE	17:59:20	10°	E	daylight	0:06:29

CARC Membership Application Form

Coming Highlights

October

CARC Board Meeting **3-Oct**
Project Nights **10,17**
CARC Club Meeting **24-Oct**

November

CARC Board Meeting **7-Nov**
VE EXAM **11-Nov**
Project Nights **14,21**
CARC Club Meeting **28-Nov**

December

CARC Board Meeting **5-Dec**
Project Nights **12,17**
NO Club Mtg - Merry Christmas

Last Name: _____ Nickname: _____
Callsign (if any): _____
Street _____ State: _____
Email: _____ Zip: _____
Phone: _____
Occupation: _____ (if applicable)
ARRL Member? Yes No

Please complete the form above and mail
along with your payment to:

Ward Kuhn, N8WK
1114 Peninsula Drive,
Traverse City, MI 49686

Membership Plans

Single Membership	\$ 24.00	
Family Membership	\$ 26.00	*
Student Membership	\$ 5.00	

* All members live in the same household

VE EXAM NOV 11

1:00 PM (Walk-ins allowed)

Contact: Hope Francisco
(231) 218-0622

Email: aa8sn@arrl.net

Traverse City District Library
610 Woodmere Ave
Study Rm D
Traverse City MI 49686-3103

Great Lakes Div. ARRL Sanctioned

Hamfest Calendar

ARRL Sanctioned Hamfests through September 2023:

10/7/2023 – [Kalamazoo Hamfest](#), Kalamazoo, MI

10/14/2023 – [Muskegon Color Tour Hamfest](#), Muskegon, MI

12/3/2023 – [LCARC Amateur Radio Swap/Hamfest](#), Troy, MI

Cherryland Amateur Radio Club

President	Jim, WB2LHP	Board Member	Mark, KC8ZAP
Vice President	Mike, KD8REH	Board Member	Drake, N8DMH
Treasurer	Ward, N8WK	Board Member	Scott, WX1J
Secretary	Hope, AA8SN	Cherry Juice Editor	Joe, N8CN