

THE CHERRY JUICE



Newsletter of the

Cherryland Amateur Radio Club

Traverse City, MI

ARRL Affiliated Club #1082



Club Officers

President

Joe Erlewein N8CN

Vice President

Ernie Abel K8RCT

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Corresponding Secretary

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Dave Hanchett, KJ4KFJ

Chuck Mellberg, W8SGR

Station Manager

Joe Schnaidt, KC8RLU

Cherry Juice Editor

Joe Erlewein N8CN

Club Repeaters

W8TCM/R 146.86- (PL 114.8)

W8ZTB Memorial Repeater

W8TCM/R 442.50- (PL 114.8)

W8NGH Memorial Repeater

Club Radio Nets

MESH NET

Monday Evening Social Hour

Each Monday, 8pm

146.860 MHz (-) (PL 114.8)

SMASH NET

Sunday Morning Amateur

Social Hour

Each Sunday, 9am

3.935 MHz

UPCOMING EVENTS

General Meeting: Jan 23rd Tuesday 7pm

Programs: **ELECTIONS for 2018**

And a Special Presentation by Ed Fong, WB6IQN

The Salvation Army - Basement Meeting Hall

1239 Barlow St., Traverse City, MI 49686

(at the intersection of: Barlow st. & Boon st.)

Tuesday Project Nights

At the club station in the lower level of the Salvation Army Building, at the NE corner of Barlow and Boone.
7 p.m. Every Tuesday except the 4 Tuesday of the month which is reserved for regular club meetings.

Cherryland Amateur Radio Club 45th Annual Swap-N-Shop

- Traverse City, MI -

Feb 10, 2018, 8am-noon

Immaculate Conception Middle School

218 Vine St.

Traverse City, MI 49684

Talk-In 146.860- 114.8Hz PL tone or YSF Digital!

More information: email@cherrylandarc.com

VE Testing at 9am

2018 Club Dues are Due!

Dues this year are \$24.00.
Please send your 2017 Dues to:
Ward Kuhn N8WK
PO Box 987
Traverse City, MI 49685

The Cherryland Amateur Radio Club is a
501(c)(3) tax-exempt nonprofit organization



Trailblazer Weekend a Success!



Youth from around the Northern Michigan area gathered at the Greilick Outdoor Recreation and Education Center (#GOREC) on October 7th to participate in a registration-required event known as Trailblazer Weekend. Trailblazer focuses on introducing youth to indoor and outdoor activities centered on personal growth and skill development. There is a strong element of introduction into Scouting programs through Trailblazer as well.

WELCOME TO

Greilick Outdoor Recreation & Education Center

4754 Scout Camp Rd, Traverse City, MI 49696

"Camp Greilick" as it was known previously has undergone an ownership/operations transition as the Michigan Crossroads Council voted to cease conjoined operation of Camp Greilick as had been seen in recent years. With the departure of the Scouting-based administration of the Rotary Charities property, the Rotary Charities moved to return the valuable resource to use for other area groups not specific to Scouting. While a strong relationship still exists between the newly-rebranded Rotary Charities #GOREC resource and the Michigan Crossroads Council (and other



area scouting groups), the #GOREC site is now available to community groups as well.

One of the resources (or "stations") at the #GOREC Trailblazer event was the W8BSC Radio and Technology center. This entire building was constructed and furnished by the Cherryland Amateur Radio Club in just over a year of work in 2006, which you can read more about here:

[Adventure-Log: Radio Club Provides Boy Scout Camp with Electronics Building, Aug 2006](#)

For Trailblazer Weekend, the youth circulate amongst the stations at #GOREC (archery, climbing, fishing, technology, bb-guns, trapping and hunting, hikes, crafts, and more) and get to see an introductory demonstration in each category. They then get some hands-on time at the station. After the program, the youth have been presented with an exciting introduction to a good portion of the topics and activities available. Many join scouting groups as a result.



The Technology building station has several “stations” that are available for use for a broad range of activities, from computers, to electronics, to any of the multiple ham radio stations. The radio stations include working HF, VHF and UHF radio equipment as well as an impressive antenna array on the 40-foot tower attached to the building.

As the youth entered the station, they were



introduced briefly to what Ham Radio is, then were given a demonstration of how it works with operators live on the air. Some even got a chance to use the radio themselves, with a Cherryland ARC member acting as control operator. The youth also had an activity where they used CW modulators to send their names in Morse Code to each other using a list of the characters and a handy guide for decoding the code they were receiving from another child.

We’re told that the Ham Radio station was among the favorites, and it’s a great opportunity to introduce radio to Amateur Radio’s future generations in a fun way!



I’d like to thank Mike W8VPC, Dave W8APT, Ernie K8RCT, Joe KC8RLU, and also Jim KE8BHO, and Nick Killian for their efforts this year in making Trailblazer Weekend a memorable experience for the area youth. You are awesome, and are helping continue the legacy of Amateur Radio!



60th Jamboree On The Air at Camp Kellogg



On Oct 21st, members of the Cherryland Amateur Radio Club assisted at the All Council Camporee at Camp Kellogg in Kalkaska. This was also the beginning of the Jamboree On The Air weekend.

Ten scouts earned their Jamboree On The Air patches. To earn the patches the scouts had to make 9 contacts. Scouts used a combination of HF and 2M VHF to make their contacts. The highlight QSO was with Germany!



Many scouts participated in various activities and learned many skills, and were able to use one of three temporary radio stations set up with antennas both in and outside of one of the structures at the camp.



The airwaves were crowded but our signal strong thanks to a crew of older scouts who set up 3 antennas as part of their merit badge work.

Troop 27 would like to thank CARC for helping with their camporee jamboree and we look forward to more activities next year.



Holly KB8ALS taught the radio merit badge. 36 scouts earned their radio merit badge. One of the scouts favorite activities was sending their name in CW. Several scouts are continuing their study to take their technician licenses exams in February.

Special thanks go to Edgar KA8HYE, Holly KB8ALS, Mike W8VPC, Tom NS8K, Joe N8CN, and Glen K8SGZ.

#GOREC Open House!

On October 22nd, Cherryland ARC members activated W8BSC for the tail-end of Jamboree On The Air during a special Open House for the Greilick Outdoor Recreation and Education Center.



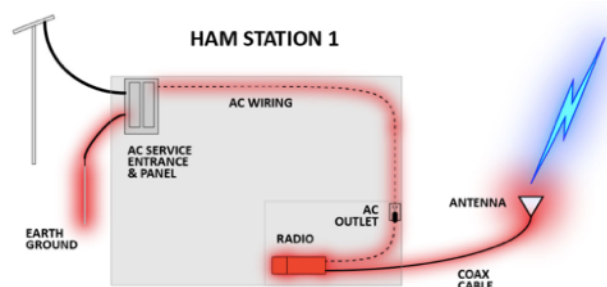
#GOREC's open-house was designed to showcase the available resources and areas within the property to anyone interested. Although it was a rainy day, many people were taken around the site in a hay-ride fashion, in an open-air trailer pulled down the trails. Many were able to experience just a taste of the wealth of resources on the property. The W8BSC Radio Shack had a few visitors stop by to inquire about how the different technologies were used in the scouting community. The timing seemed kismet, as the Jamboree On The Air was in full swing, and the bands were active with scouts and scout camps actively contacting other operators - scouts and non-scouts alike.



Donuts and Cider were available and the event was a great success. Thanks go to Mike W8VPC and Joe N8CN for making sure the radio room was manned and showcased.

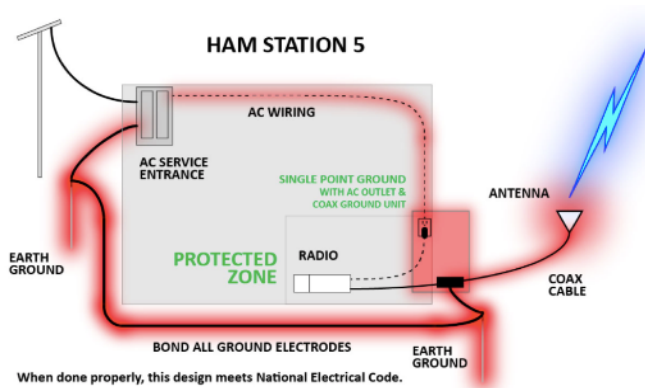
September Club Program Review

Dave W8APT presented a program on Grounding Techniques (focused on your home ham shack)!



Dave revealed some surprising facts about what happens to your house, electrical system, antennas and radios during a lightning strike, depending on how you design your grounding systems. Presenting various scenarios, he detailed the whats, hows and whys behind what set-ups lead to what outcomes — and the results were surprising!

Do you think your shack is protected? Are you accidentally subjecting your house/home to added risk by making a simple mistake? You may be surprised!



If you missed this program, be sure to visit the Cherryland ARC website and check out the video. There is also a PowerPoint presentation you can download and refer to as the video plays. This is an educational opportunity do you NOT want to miss!

Nick Killian also presented the Cherryland ARC with an update on the operational status of Greilick Outdoor Recreation and Education Center, formerly known as Camp Greilick. For more details on this, please see the article in this Cherry Juice edition on Trailblazer Weekend.

October Club Program Review

The October program for the CARC was the overview and design of the W8QPO Inverted-Vee antenna.

Over several years, Brad W8QPO experimented with several dipole designs until he combined aspects from several other published designs, and further fine-tuned things for best results, and was able to produce plans and working copies of multi-band inverted-vee antennas. And they work great!

Features of the antenna included: 1) ease of set-up, using 5 sections of 4-ft fiberglass poles, 2) multi-band operation depending on the length of wire elements, 3) several elements can be used at a time without an impact to performance of the antenna, 4) self-supporting design that can withstand environmental turbulence, 5) affordable design, 6) easily-obtainable parts, 7) able to be built by anyone with basic DIY skills, 8) portable and able to be carried into a field by one person and be set up by one person.



There are other great advantages to this design. Dave W8APT presented his theoretical models of the antenna, and also presented the real-world measurements taken while the antennas were used at our Field Day and NPOTA activities this year. Both the theoretical data and actual data indicated that these antennas would be solid performers - Efficient and capable of far-reaching radiation patterns highly desirable for temporary activation use (however, they'd also be a great base antenna!). But data aside, it was glaringly apparent by the number of NPOTA contacts and Field Day contacts that the antennas were indeed a success.

If you missed this program, you missed out on the story behind the birth of a terrific concept which was taken to production and is currently in use.

Brad W8QPO has been leading construction of these antennas at CARC Project

Nights for November and December. You can still purchase the kit parts and make your own- the cost is \$20. Contact Brad W8QPO for more information, or simply attend one of the CARC Project Nights and we'll get things arranged for you.

You don't want to miss out on building one of these great antennas!



November Club Program Review

November's Club Program was presented by Dave KJ4KFJ, and dealt with the topic of Yaesu SystemFusion (YSF) Digital radio use for Benzie ARES/RACES/CERT.



Dave explained how YSF works, and also had temporarily linked the Cherryland ARC's 442.500+ YSF Digital repeater to the Yaesu WIRES-X digital linking system.

Dave demonstrated how to link the repeater to other systems using the Yaesu digital radios.

It was quite an event! If you missed this program, be sure to check out the video when it is posted to the Cherryland ARC website!

Christmas Dinner and Ham Of The Year!

We hope you were able to make it to the Dec 5th Cherryland ARC Christmas Dinner and the Ham Of The Year award! We had a great turn-out at the Elks club and the food was great!

The recipient of this year's Ham Of The Year award was Mike Cleary, W8VPC. Mike has previously won the HOTY award in 2010. Mike constantly volunteers for communications outreach activities in the community, especially those involved with scouting. In addition to volunteering in myriad events, Mike also coordinates volunteers for the White Pine Stampede and the Paddle Antrim events.

Ring the Bells!

The CARC rang the Christmas bells again for the Salvation Army on December 9th this year. In addition to this, the Salvation Army also had a "Christmas In July" fundraiser, and the CARC was able to fill volunteer schedules for both events!

The Salvation Army is generous to the CARC and allows us use of their facility for meetings, and gives us exclusive access to an entire room for emergency communications and project work use. The Cherryland ARC is supportive of The Salvation Army Emergency Disaster Services and has several TSA-EDS-trained members.



Among opportunities the CARC has to be able to give back to and serve The Salvation Army, ringing

the bell for kettle donations during the holiday (and other fundraisers) is critical to the mission of The Salvation Army.



Thank you, all who volunteered: Al WD8MPQ, Byrdie AC8WM, Bob W8RAK, Ernie K8RCT, Joe N8CN, Tom KE8CVM, Dave W8APT.

2017 ARRL SET a Success and Learning Experience

Glen Johnson K8SGZ

On Saturday, Sept 30, the ARRL conducted its 2017 Simulated Emergency Test in Michigan. Thanks to Christian, Ernie, Alberta, Tom, Jim, Shawn, and Harold for their participation. HF worked very well. There was no connection to the State EOC for packet and we could not hit the D-Star repeater from Glen's office. A lot was learned on what worked and what did not; thus a great learning experience.

Again, thanks to all for their effort.

Glen Johnson, K8SGZ
Grand Traverse EC/RO
Benzie CERT
Munson Emergency Communications

Morse Code of Love

<https://youtu.be/dIEo5N25FxE>

(go ahead. click. you know that you want to!)

Classifieds

===== Yaesu VX-7R Accessories For Sale =====

Due to an encounter with the front tire of a Chevy 350 pickup and the ground, my Yaesu VX 7R is in the scrap bin at the Yaesu Repair Center. Thus I have a few accessories with no home. They include:

- (1) Yaesu FNB-80LI battery, 1500 mah
- (3) Priam premium batteries, 1300 mah
- (1) Yaesu CD-15A charging cradle
- (1) Yaesu belt clip kit for VX 7R

Note there is no power supply for the cradle, but takes a unit that supplies 12-16vdc at 600 Ma such as the Yaesu EDC-5B (mobile) or a PKPower 120v supply (fixed or standby) (\$10-\$14 range)

The batteries have been used in rotation, minimally, for about 36 months.

New, you can buy all this on Amazon for about \$160. Asking \$40. Contact Chuck, KD8PCG, b@mypgi.us

TBI Contest Concluded!

Contest runs thru November

Joe Erlewein N8CN

The Return of the TBI contest has occurred, and the window for submitting logs for the contest closed recently.

Joe KC8RLU should have some results for us soon after analyzing the results. The CARC Board allocated some money for prizes, so we'll soon be hearing how participation was, and who were the big winners!

The Purple Crystal

A column about repeaters

Joe Erlewein N8CN

As of October, Some 1.25M Band Action has returned to the greater Grand Traverse area!

If you don't already have gear for 220MHz, now might be the time to start looking — the W8SGR repeater has returned to the airwaves from the Mancelona tower. It is on 224.720 MHz, uses an offset of +1 Mhz

(TX on 225.720), and you should be using a CTCSS (PL) tone of 114.8Hz.

The antenna array is oriented on the South leg of the tower in order to offer maximal coverage toward the area of Traverse City.

Also returning to the airwaves this December is the 442.800+ W8QPO repeater, from the same tower in Mancelona.

We thank Phil KD8OAK and Pete K8WQK for sponsoring the location and Brad W8QPO and Chuck W8SGR for the repeaters being on the air.

Thanks all - 73

de Joe N8CN

AO-91 Commissioned, declared Open for use!

AMSAT News Service

AMSAT-NA's latest Amateur Radio CubeSat, RadFxSat (Fox-1B), now known as AO-91, has been opened for general use. AMSAT Engineering officially announced that AO-91 was ready for use at 0650 UTC on Thanksgiving Day, November 23. AMSAT VP of Engineering, Jerry Buxton, N0JY, turned over operation to Mark Hammond, N8MH, and AMSAT Operations during a contact on the AO-91 repeater during the pass over the Eastern US, AMSAT said in a bulletin.

The latest CubeSat in the Fox series was launched on November 18 from Vandenberg Air Force Base in California. Telemetry is downlinked via the DUV sub-audible telemetry stream, which can be decoded using FoxTelem software.

A 1U CubeSat, RadFxSat (Fox-1B) is a joint mission of AMSAT and the Institute for Space and Defense Electronics (ISDE) at Vanderbilt University. AMSAT constructed the rest of the satellite, including the spaceframe, on-board computer, and power system. The Amateur Radio package is similar to that currently on orbit on AO-85, with an uplink on 435.250 MHz (67.0 Hz CTCSS) and a downlink on 145.960 MHz.

Mick Glasser W8EYC

Silent Key

Mick Glasser W8EYC Silent Key

It is with deep regret that I inform you of the passing of Mick Glasser, W8EYC.

Mick passed away on Wednesday October 30, 2017. He has been a long-time member of, and champion for the Cherryland Amateur Radio Club.

The family has generously directed memorial contributions to the CARC, the Traverse Astronomical Society, or other charity of choosing.

Following is the obituary from Reynolds-Jonkhoff:

Obituary for Michael M. "Mick" Glasser

Michael M. "Mick" Glasser, 95, a Duck Lake Peninsula resident since 1966, passed away surrounded by his family at Munson Medical Center, on October 30, 2017. He was born on July 29, 1922 at Union Hill, New Jersey, to the late Martin and Grace Glasser.

Michael enlisted in the Navy on July 1941. As a Torpedo Squadron Ten Combat Air crewman attached to the USS Enterprise (CV-6), he was shot down during the October 1942 Battle of Santa Cruz, captured by Japanese Naval forces and was a POW in Japan until WWII ended. During his naval career, he was awarded Combat Aircrew Wings and ten medals, among which were the Purple Heart and Air Medal. He retired from the Navy in September 1961 as an Aviation Chief Machinist's Mate.

He was married to his adored wife Dorothy Picard at the Woodward Central Christian Church in Detroit on November 24, 1945 and celebrated 64 years of marriage together.

Michael was a Life Member of the AXPOW Association, a Life Member of the Cherryland VFW Post, a Life Member of the Traverse City Masonic Lodge, a member of the Torpedo Squadron Ten Association, Fleet Reserve Association, Grand Traverse Astronomical Society, Cherryland Amateur Radio Club and The Michigan State Employees Retirees Association. He retired from Michigan Civil Service in January 1985.

He is survived by his beloved daughters Linda Lee (William) Kluzak and Martha Ellen (Kenny) Allman; grandsons, Jason E. (Ann Marie) Kluzak of Rochester Hills; Josh L. Kluzak of East Lansing; granddaughter Heather Allman of Alabama; great-grandchildren Jackson T. and Giavanna L. Kluzak.

He was preceded in death by his wife Dorothy and his parents.

Cremation has taken place and no services are planned in accordance with his wishes.

Memorial contributions in Michael's name may be directed to the Cherryland Amateur Radio Club or the Grand Traverse Astronomical Society or charity of one's choice.

Kindly share your memories with Michael's family by way of his online guestbook at www.reynolds-jonkhoff.com.

The family is being cared for by the Reynolds-Jonkhoff Funeral Home and Cremation Services.

George VanFarowe NZ8H

Silent Key

It is with deep regret that I inform you of the passing of George VanFarowe, NZ8H.

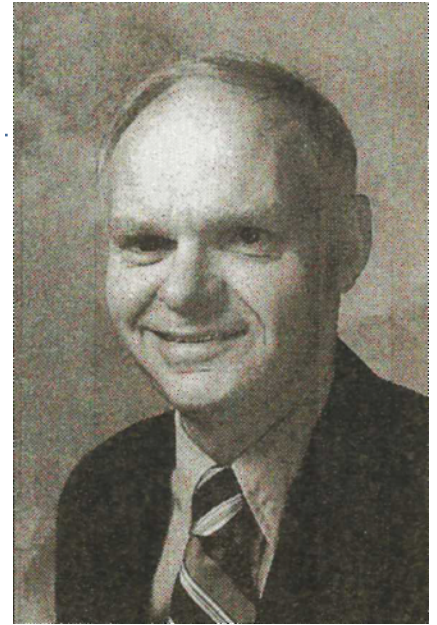
George passed away on Wednesday October 18, 2017.

As many of you know, George has been a long-time member of the club. He was a regular on the 146.860 repeater, especially recently the TBARG Emergency Communications Net.

A memorial service will be held on Saturday, Oct. 28, 2017, at 11 a.m., with visitation one hour prior, at Faith Reformed Church.

Contributions may be made to Mission Aviation Fellowship.

Please visit www.lifestorytc.com to sign the guestbook and share your thoughts with the family. The family chose Life Story Funeral Home, Traverse City.



Here is the printed obituary text from the Record Eagle:

George Calvin VanFarowe, 88, of Traverse City, husband of Dorothy, died Wednesday, Oct. 18, 2017. He was born on April 1, 1929 in Williamson, New York, the son of Richard and Nella (Pyle) VanFarowe.

George grew up as a pastor's son and learned to love this life, yet live for the next. His steadfast interest in aviation led him to obtain his pilot license at 16.

After obtaining his master's degree for education, he spent a short time in the U.S. Army. Soon after, he met his lifelong bride, Dorothy, and settled into a career in the education field.

Throughout his life he embraced opportunities and enjoyed traveling both for enrichment and for various mission projects. He also loved ice cream and operated a "non profit" ice cream truck for many summers.

Once retired, he spent more winters in the south and more time on his ham radio.

He is survived by his wife, Dorothy Jean (Winstrom) VanFarowe, they were married on Aug. 17, 1957; children, Brian VanFarowe, Beth (William) Meade and Bruce (Pattra) VanFarowe; grandchildren, Kendall, Timothy, Chris, Marya, Adriaan and Dinsigh; and great-grandchildren, Vincent and Kira Meade.

A memorial service was be held on Saturday, Oct. 28, 2017, at 11 a.m., with visitation one hour prior, at Faith Reformed Church. A light lunch will follow the service - sorry George, probably no ice cream.

Contributions may be made to Mission Aviation Fellowship.

Please visit www.lifestorytc.com to sign the guestbook and share your thoughts with the family.



TBARG UPDATE

Glen Johnson K8SGZ

TBARG Meeting:

November 15th, Wednesday, at 7:00 PM

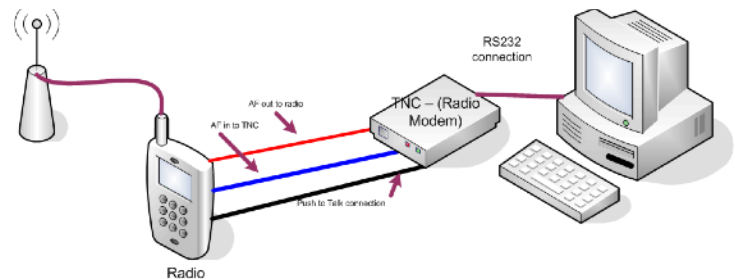
This Summer and Winter has been extremely busy for nearly all of the TBARG/Munson Communications team members that I have talked to. I would like to set up a meeting for November 15th to plan for the coming months. On the agenda is the following topics – please feel free to email me if you would like to add additional items.

HAM RADIO COMMUNICATIONS BETWEEN 911 CENTERS

Two years ago, we had a severe wind storm in which the Grand Traverse and Leelanau 911 centers briefly lost communications. I would like to set up a “small scale” exercise in which the Leelanau and Benzie 911 operators can communicate with each other using VHF/UHF radios. We have received initial authorization from each of the county’s Emergency Managers for this exercise. The FCC allows for third party communications; that is, ham operators establish the proper station identifiers and turn over the mic to trained 911 operators. This is likely to be a very brief exercise but will establish a policies and procedures. Once we have “debugged” this exercise, will look at a larger exercise using other counties.

SETTING UP HAM RADIO DIGITAL NETWORKS

After the Munson exercise and the ARRL Simulated Emergency Test, it became extremely clear that sending lengthy or complex text information by voice was too slow and prone to error. In addition, operator fatigue and staffing a prolonged disaster event will be a significant problem. While sending voice information is still the best for group communication (i.e., Strike Teams, etc.), we need an additional approach to send/



print/document complex information (can you imagine sending a request for 50 needed medications by voice?) We have had discussions on using Packet Radio using VHF/UHF frequencies. While there are several packet stations still up and running in Northern Michigan, we do not have link to the State Emergency Operations Center in Lansing. To solve this problem; I would recommend the following;

- 1) Create a mobile packet station for use at Munson Medical Center. Using a rolling computer station, we need to attach a laptop, mobile radio, TNC, and printer that can be used anywhere at Munson that would make a short range connection to the Packet station at the top of Munson. This packet station can then pass information to other stations in Northern Michigan. If this “mobile” approach works, we can repeat this in a number of situations and facilities.
- 2) Establish a “connecting” Packet station in order to make a connecting link to Lansing.
- 3) Send digital information using HF radios. TBARG has 4 Yaesu HF radios. I would like to establish 3 mobile HF stations that could pass information using FLDIGI. Two of the radios will need NVIS antennas. Brad Melberg has a portable 40/20 meter antenna that will be perfect for this approach; it can be set up by one person has a working range of 600 miles. I have ordered two of them. We still need to set up the software and audio connectors.

UPDATE RACES AND ARES ID CARDS

We have delayed updating RACES cards as we were told that the forms we were using were out of date. As of two weeks ago, I received the ARES ID cards. At the next meeting, I will need everyone to re-do their applications for RACES

UNIFIED MEMORY CHANNELS FOR HAND-HELD/MOBILE RADIOS

Each county has a limited number of ham operators with training in emergency communications. It makes great sense that we work with neighboring counties to share resources and staff. Programming hand held/mobile radios to have the same repeater frequencies across the region makes responding to an event much easier. I am still waiting to get the "OK" from all the District 7 counties and will be working with Mike Dell on this. The current plan is to offer free programming of radios at the Cherryland Swap Meet in February (this has the highest attendance of hams for the region). You can find the current list of repeaters, FRS/GMRS, Coast Guard, and NOAA frequencies at the CHERRYLANDARC.COM site under repeaters. You can use the free CHIRP software to load them or bring your radio to the TBARG meeting and I can update your radio.

WORKING ACROSS DIGITAL HAM RADIO MODES

Using Internet based radio

systems, digital hand-held and mobile radios can make calls nearly anywhere in the world.

The problem is that Ham radio has three major digital systems:

DMR, D-Star, and System

Fusion. In Traverse City and

Benzie, we use the System Fusion

system and the Charlevoix/

Petoskey group uses D-Star. I would like to see us work on inter-operability. It would be great to get D-Star running in the Traverse City area. During the recent Simulated Emergency Testing, radio's at my office (near Munson) could not reach the DMR and D-Star repeaters. I am also looking at creating an Internet based "hot spot" that can run DMR, D-Star and Fusion from any location that has WiFi (SharkRF Openspot).



PLANNING FOR THE NEXT MUNSON EXERCISE

I just talked with Joe Dechow from Munson. He will let us know of the next exercise. As soon as I get this information, I will pass this on to team members.



Please email me if you have additional items to add to the agenda. I look forward to seeing everyone.

Glen Johnson, K8SGZ
Grand Traverse EC/RO
Benzie CERT

TBARG / Munson Emergency Communications

WEBSITE: <http://tbarg.org>

What's In A Name?

New Cherryland Amateur Radio Club name tags available!



New Design

The new Cherryland ARC name tags have a new design! As shown in the picture, they include your first name, callsign, and the text "CHERRYLAND AMATEUR RADIO CLUB // TRAVERSE CITY, MI"



What's In A Name?

At Cherryland ARC club meetings (And of course other events - mine has worked at Dayton for recognition by other CARC members!) it's really easy to put a face to those names/callsigns you may have only heard 'on the air' before. It's also a great way to support the club!

Cost?

Only \$10.00! Your badge will include a magnetic-style attachment. If you prefer traditional safety-pin style, please let us know when you order.

How to order?

You may either see Joe W8TVT at one of our many events, or email the club to request a name tag.

Donations Received

Generous donations to the #GOREC shack received!

One of the more successful ways with engaging the youth at the Radio Station at #GO-REC was to send Morse Code between a few of the scouts on Code Practice Oscillators.

This year, it was a little difficult - the CPO we had used before let out some smoke and was not functional. So they needed to resort to saying "Dit Dah Dah" ...



We talked about building some CPOs at a future project night, but to fill the immediate needs in October, We put out a "call for donations" for Code Practice Oscillators.



In total, six units were donated! All of the CPOs were in working order and in great condition.

A special THANKS! to Dave K8WPE, Art KB8MKQ, and Jim KE8BHO for the generous donations!

<SK>

CARC Board Meeting Minutes

Catching you up! Minutes from May to October have been approved. Apologies for the late publish!

Minutes for Cherryland Amateur Radio Club Board Meeting: 5/2/2017

Members present: K8WPE, K8RCT, W8SGR, N8WK, W8TVT, KC8RLU, W8VPC, W8APT, KE8CVM

1. Meeting called to order at 7:04 pm
2. Review Minutes from last month (W8APT) Ward N8WK moves to approve minutes from 4/4/2017 meeting. Joe KC8RLU seconds. Motion approved.
3. April General Membership Meeting re-cap. 25 attendees. Great program from Dave W8APT on HamCAP propagation software.
4. Treasurer Report (N8WK) No major expenditures or changes.
5. Committee reports
 - a. SATERN station
 - i. Antenna and feedline installed.
 - ii. Radio donated by KC8RNT – Kenwood D700A
 - iii. Project is complete! Joe KC8RLU reports that everything is up and running. SATERN station used for MiQSO party operation. Review G5RV antenna operation and possible improvements (dipole, OCF, G5RV ribbon on tower). Even though SATERN project is complete, Ernie K8RCT requests a report on station each month from Joe KC8RLU.
 - b. Repeater Upgrades
 - i. Battery/charger installed.
 - ii. UHF YSF repeater – installed.
 - iii. Project is complete!
 - c. Controller upgrade for repeater(s)
 - i. Researching options almost complete.
 - ii. Results will be presented at May board mtg.
 - iii. Review proposal and OK taking it to Gen mtg for approval.

Mike W8VPC presented itemized equipment list (\$1083 budget) and noted main beneficial features: able to link both repeaters, voice ID, custom message (i.e. closed event for emergency or exercise), end-of-transmission beep, Echolink, connections for measurement and control (such as remote shut off). Ward N8WK moves to present proposal to general membership for spending approval. Joe KC8RLU seconds. Discussion includes additional controller features, checking FCC regulations on remote/auto control, and increasing budget to \$1150 for potentially adding Raspberry PI for internet interface. No opposition expressed during pre-vote discussion. Motion approved with 5 yes, 1 no, 1 abstain.
6. Status report on Echolink node – will be moved to Glen's Office shortly. No update.
7. TBARG report (K8SGZ) Report by Ernie K8RCT. Very successful 'Dark Mitten' Munson/FEMA drill simulating no cell service, no commercial power, no telephone. Participants received special training and ID as Munson volunteers prior to drill. Need for proper procedures became evident. Munson staff and GT County emergency manager impressed with ham radio emergency communications. Ernie K8RCT and Dave KJ4KFJ participated in special search and rescue training at Grayling with about 100 other participants.
8. Selection of May/June general meeting topics/presentations. Field Day Video
9. MESHNET Report Last few weeks only 2 or 3 people participating.
10. Discuss club goals and membership development on next agenda.
11. Adjourn Ward N8WK moves to adjourn. Chuck W8SGR seconds. Meeting adjourned at 7:59 pm.

Minutes for Cherryland Amateur Radio Club Board Meeting: 6/13/2017

1. Review Minutes from last month (W8APT)
 - a. Motion from ward to approve, KC8RLU seconded.
 - i. Motion carries
2. May Gen. Meeting re-cap.
 - a. Had vote on repeater controller purchase, was approved. (\$1150.00)
 - b. Made preliminary Field Day plans.
 - c. Screened the CARC FD16 video first edit.
3. Treasurer Report (N8WK) – nothing notable but we’re rich.
4. Committee reports
 - a. Repeater Controller upgrade for repeater(s)
 - i. Some items purchased and on the way!
5. Status report on Echolink node – is at Glen’s office.
6. TBARG report (K8SGZ)
 - a. Munson Plan
 - i. Cad/Gry next link in communication system
 - b. Digital Mode testing
 - i. Packet radio
 - c. Radio Memory Channel RFP
 - i. Glen is organizing a coordination of transceiver memory channels in a codeplug for radios (focusing on Baofeng HTs but adaptable to other radios). He will be working on this as time goes on.
7. Selection of June general meeting topics/presentations.
 - a. Field Day Hot Wash!
8. Field Day PLAN
 - a. Due to lack of personnel we discussed not doing towers this year.
 - i. No boom trucks
 - b. Media Barrage is underway.
 - c. Band Captains:
 - i. 80/15 W8QPO (W8SGR)
 1. TBARG Yaesu FT-450
 2. ?
 - ii. 40 KC8RLU (N8WK)
 1. TBARG Yaesu FT-450
 2. sloper
 - iii. 20 N8WK (?)
 1. TBARG Yaesu FT-450
 2. Inverted V sloping down toward the bay
 - iv. abCW AA8SN (K8RCT, N8KV, Tossielo)
 1. Hope’s TS-450S
 2. Dipole/g5rv
 - v. VHF/S W8TVT
 1. Joe’s radios
 - vi. GOTA TBARG (?)
 1. Radio?
 - d. EXTRA GEAR?
 - i. Contact Tom Peterson regarding antenna 409-1992
 - ii. Joe N8CN bringing a HF radio
 - iii. Josh KD8YXU bringing a HF radio
 - iv. Joe KC8RLU bringing a HF radio
 - v. Mystery dipole antenna from SATERN shack
 - vi. Could use some extra wire antennas to try out
 - vii. Ernie has 2 extra tripod-held wire antennas
 - viii. Brad may have an extra antenna also
 - ix. Appoint someone to be generator (and gas) steward – N8WK and need someone else to check on things fri night sat-ish.
 - x. K8OJP safety officer? (Orange Flagging Tape)
 - xi. Elected official visit?
 - xii. Christian? Youth outreach? GOTA? (glen to facilitate)

- xiii. SEC messages? (Hope?)
- xiv. Invite K8LMJ (Glen)
- xv. Public info table.
- e. Food Items
 - i. Bring club coffeemaker
 - ii. Not a lot of people have signed up so far (only 8 or 9 as of today!)
 - iii. Motion by N8CN to auth up to \$300, ward 2nd.
 - iv. Simple Friday Dinner, bring your own protein.
 - v. Sat breakfast (traditional)
 - vi. Sat lunch -
 - vii. Sat dinner - bbq ribs, garlic toast, etc
 - viii. Sun breakfast (traditional scrambled eggs)
 - ix. Sun lunch (leftover everything)
- f. Thurs 6/22 - Meet at farm at 7pm
- g. Thurs 6/22 - GJ's will set up large tent and porta-poties.
- h. Fri 6/23 - Can begin setup after 2pm
- 9. Jul 25th picnic - Sayler park reserved! (n8wk)
- 10. Aug 5 VE test session! (TADL)
- 11. Aug foxhunt
- 12. Elgin Walt's wife thanks the club for assisting dealing with the estate. Joe to get to Joe N8CN.
- 13. Warren W8KAN update - in Bortz room 138. May look like he's sleeping but introduce yourself, he could use visitors.
- 14. Adjourn

Minutes for Cherryland Amateur Radio Club Board Meeting: 7/11/2017

Present: K8RCT, KJ4KFJ, K8WPE, W8SGR, W8VPC, N8WK, AA8SN, KC8RLU, N8CN, N8HGT, KC8VCM, KC8ZAP

1. Picnic Verification - Ward says we're good.
 - a. Glen has the grill ready to go.
 - b. Ward moves to amend FD auth to \$360. Ernie seconds.
 - c. Discussion of Picnic food. Glen to purchase burgers, dogs, brats, and the rest will be potluck. Ernie moves to spend \$100, Ward seconds.
 - d. Advertise trunk sales!
2. Review Minutes from last month (W8APT) - not present
3. June Gen. Meeting re-cap.
 - a. Reviewed Agenda/Minutes
 - b. We do not have a concrete score with bonuses calculated to submit yet.
 - i. Bonus Categories
 - ii. Hope and Joe to collaborate on submitting score.
4. Treasurer Report (N8WK)
 - a. Report as-of 7/11 reflects controller reimbursement.
 - b. Ward moves we send the SA a check for \$300.00, to be delivered by an officer.
 - i. This is a ~\$50 increase over last year, and we had a good year and it would be a good gesture to give back.
 - ii. Motion Carries
5. Committee reports
 - a. Repeater Controller upgrade for repeater(s)
 - i. In-progress. Preliminary setup is underway.
 - ii. Working through a timer challenge when 2 DR-1X units connected.
6. SA Xmas in July
 - a. Ernie Motions we do this event, despite late mention, Glen second. Passes
 - b. Saturday Horizon Books, noon to 6pm.
 - c. Note to have Joe speak with SA to solidify contact information
 - d. Sign-up sheet to be put online.
 - e. Joe to buy a frozen coffee from Horizon Shine to first person to sign up for each shift.
7. Discussion of Field Day items
 - a. K8DT's Tent is a little worn for the 40m station.

- i. Ernie found a \$75 tent, or \$100 for a bigger one.
 - ii. Glen to research prices on tents and some boxes and present a final cost to the next Board meeting – 8/1
- 8. TBARG report (K8SGZ)
 - a. Standardized Memory Channels
 - b. Skywarn – overview
 - i. Discussion of developing a documented resolution describing the chain of command in order to have a distinction between authorized and unauthorized directed-net and other uses of the club's repeaters (ilk: we don't want to specifically disinclude specific individuals, yet want to hold authority on approved emcom-related uses of our repeater systems)
 - ii. Ward to develop something.
 - c. TBARG using D-Star.
 - i. Question regarding our repeaters and enabling D-Star
 - 1. Joe can look into this
 - ii. Question about the TBARG D-Star repeater
 - iii. Comments about TBARG and using Packet Radio – specific reasons
 - iv. Also HF Packet.
 - v. Glen to discuss with TBARG and make suggestions on how CARC can assist in the facilitation of the goals.
- 9. Upcoming Meetings / Events
 - a. Jul 25th picnic!
 - b. Aug 5th VE test session! (TADL)
 - c. Aug foxhunt- Chuck, Glen and Dave (APT) won last year.
- 10. MESH NET (W8VPC) – Things are going well. Could use more board members to check in. Mike would like some net control stand-ins. Discussion of a second rotation, into being more lenient with the structure of the net (can be more free-form). Discussion of using topics to instigate conversation.
- 11. Adjourn – ward,chuck.

Minutes for Cherryland Amateur Radio Club Board Meeting: 8/1/2017

Present: Tom KE8CVM, Joe KC8RLU, Glen K8SGZ, David W8APT, Joe N8CN, Mike, Dave K8WPE, Mike W8VPC

- 1. Review Minutes from last month – Dave W8APT
 - a. June and July minutes submitted for approval.
 - i. No Quorum, cannot approve.
- 2. Picnic Report. – Glen K8SGZ
 - a. Had a great picnic, good turn-out, about 25 people.
 - b. Brats went quick! \$24 spent at Sam's total, Glen is donating it.
 - c. Short discussion of alt locations because someone asked. (KC8UPW)
- 3. Treasurer Report – Ward N8WK
 - a. Ward is not present. Tabled.
- 4. Committee reports
 - a. Repeater Controller upgrade for repeater(s) – Joe N8CN
 - i. No opportunity to work further on this in July.
- 5. Salvation Army Christmas-in-July Report – Ernie K8RCT
 - a. Joe owes a few people a frozen coffee!
 - i. Delivered to Ernie but missing some folks I owe \$5
 - ii. KC8Z stopped by (they were at a bike race, across MI)
 - 1. Had antennas all over his vehicle. Very active!
- 6. Discussion of Field Day items – Glen K8SGZ
 - i. Glen to report on research from last board meeting
 - 1. (prices on tents, boxes, and present pkg cost)
 - 2. Can't approve with no Quorum, but reviewing.
 - 3. Stand-up tent, \$130. Grill - \$151 duplicates our grill.
 - 4. 70qt storage bins. \$10, ruggedness is a question. Per Dave W8APT Lowes has 70qt rugged bins for \$10 also.
- 5. Joe has the package, will bring up at next meeting for discussion and possible approval.
- 7. TBARG report – Glen K8SGZ

- a. Standardized Memory Channels – status update
 - i. Currently communicating info, collecting input.
- b. Skywarn – status on Ward's resolution on chain of command, repeater use, and approval.
 - i. Ward is not present, tabled.
- c. TBARG using D-Star/Packet.
 - i. Question regarding our repeaters and enabling D-Star
 - 1. Joe reports that this is not possible with the new controller.
 - ii. Status on TBARG's suggestions on how CARC can support their D-Star and Packet

Radio needs.

- 8. Meetings / Events
 - a. Saturday Aug 5th VE test session! – Hope AA8SN
 - i. TADL, 610 Woodmere, Study rm D, 1pm
 - b. Tues Aug 8 / Tues Aug 15th project nights
 - i. Does anyone want to do some RDF building/testing/teaching?
 - ii. If so, we can publicize it!
 - c. Sunday Aug 20th foxhunt
 - i. Chuck W8SGR, Glen K8SGZ and Dave WAPT won last year.
 - ii. They will determine who the fox will be, the rest of us will hunt!
- 9. MESH net – Mike W8VPC
 - a. Low check-ins. I spoke with Mike briefly about perhaps halting the MESH net until there are people willing to check in.
 - i. TBARG net reports low check-ins as well, per Glen K8SGZ.
 - ii. Antrim Co. nets are also low volume.
 - iii. Discussion of what to do. Net is not an official appointment
 - iv. Decision to just not have net control for August and see what happens. Glen feels the same, will likely be monitoring at 8 but will likely not run an official directed net. If interest is expressed, can be revived.
- 10. Ideas for September Program?
 - a. Dave W8APT has several ideas
 - b. Brad had offered to present the inverted-V design.
- 11. Mike – has spare gear for sale and we can list it on the website. Pics/data to be collected tonight.
- 12. When you give shit away, people shows up.
 - a. If people bring their radios to the Oct club, we can program for free, and also there will be a Baofeng radio giveaway.
- 13. Sale of PS-430 power supply (Joe S interested) (\$70-80 used, mint)
 - a. No quorum so tabled.
- 14. Adjourn – no quorum so unofficial egress.

Minutes for Cherryland Amateur Radio Club Board Meeting: 9/5/2017

Present: N8CN, W8APT, KC8RLU, KJ4KFJ, W8TVT, N8WK, AA8SN, W8VPC, KC8ZAP, K8WPE, KE8VCM

- 1. Review Minutes from last month – Dave W8APT Motion to approve minutes from June, July, and August by Ward N8WK, second by Joe KC8RLU. Motion carries.
- 2. Treasurer Report – Ward N8WK Ward reports that the club doing well. Some membership dues still coming in.
- 3. Committee reports
 - a. Repeater Controller upgrade for repeater(s) – Joe N8CN
 - i. Joe N8CN reports that progress is being made on installing new add-ons. Update in Cherry Juice.
- 4. Field Day Item List approval – K8SGZ (Not present. Tabled.)
- 5. Salvation Army Christmas-in-July Report – Ernie K8RCT (Not present. Tabled.)
 - a. Joe owes a few people a frozen coffee!
- 6. TBARG report – Glen K8SGZ (Not present. Tabled.)
 - a. Standardized Memory Channels – status update
 - b. Skywarn – status on Ward's resolution on chain of command, repeater use, and approval.
 - c. TBARG using D-Star.
 - i. Question regarding our repeaters and enabling D-Star

1. Joe reports that this is not possible with the new controller.
- ii. Status on TBARG's suggestions on how CARC can support their D-Star and Packet Radio needs.
7. Foxhut Glen K8SGZ was the fox. Ward N8WK found him in less than an hour.
8. Meetings / Events
 - a. Saturday November 11 VE test session! – Hope AA8SN
 - i. TADL, 610 Woodmere, Study rm D, 1pm
 - b. Volunteers needed for Trailblazer Weekend at Greilick Outdoor Recreation & Education Center, Saturday October 7. Contact Joe N8CN
 - c. Volunteers needed for Boy Scouts Jamboree On The Air October 20-22 at Camp Kellogg in Kalkaska. Holly Bringman KB8ALS is coordinating. Contact Joe N8CN.
9. MESH net – Mike W8VPC
 - a. Mike to review Control Op status (toby?)
 - b. Net structure (rotations, trivia, question of the week, etc?)
 - c. N8CN input: maybe reverse the nets? (email this for discussion).
 - d. Trivia Questions?
 - e. Visitor Outreach?
 - f. KC8RLU: Frequency Switch from time to time? (link maybe?)
 - g. Joe W8TVT suggests that board members should check in on MESH Net.
10. Joe KC8RLU would like to buy Kenwood PS-430 power supply owned by club. Motion to offer PS-430 for sale to all club members at next general membership meeting by Joe N8CN, second by Mike W8VPC. Motion carries.
11. TBI Contest Joe KC8RLU will look into it
12. Adjourn – Motion by Ward N8WK, second by N8CN. Motion carries

Minutes for Cherryland Amateur Radio Club Board Meeting: 10/3/2017

Present: W8TVT, W8VPC, KJ4KFJ, KC8RLU, N8CN, W8APT, KC8ZAP, AA8SN, KE8CVM, K8WPE, W8SGR

1. Work-Bee at #GOREC
 - a. Status: 1x HF rig, 1x VHF rig operating.
 - b. Joe KC8RLU to inventory
 - c. ISS video?
 - d. Need to bring the club projector and club laptop.
 - e. Print new W8BSC license copy.
2. Review Minutes from last month – Dave W8APT (Move to approve by Chuck W8SGR, second by Ward N8WK, motion approved)
3. Treasurer Report – Ward N8WK (No change from general meeting)
4. Committee reports
 - a. Repeater Controller upgrade for repeater(s) – Joe N8CN
 - i. Detailed update appears in Cherry Juice
5. Field Day Item List approval – K8SGZ
 - a. 2 tents (\$129)
 - b. Motion to authorize \$275 to purchase tents by Ward N8WK, second by KC8RLU, motion approved
6. TBARG – Glen K8SGZ
 - a. SET
 - i. packet was a challenge
 1. goal was to pass traffic in Outpost
 - ii. Olivia/80m was used, other HF digital was a challenge.
 - iii. Getting 450s ready for digital interface (FLDigi)
 - iv. Ideas for getting an iPhone text to FLDigi
7. SATC Station Grounding
 - a. Potential Issues discussed
 - b. Dave to investigate further
8. MESH net – Mike W8VPC
 - a. Mike to review Control Op status (toby?)
 - b. Net structure (rotations, trivia, question of the week, etc?)
 - c. N8CN input: maybe reverse the nets? (email this for discussion).

- d. Trivia Questions?
- e. Visitor Outreach?
- f. KC8RLU: Frequency Switch from time to time? (link maybe?)
- 9. TBI Contest
 - a. RULES
 - i. Power: QRP=5 watts or less. Low power 150 watts maximum. High power > 150 watts. Logs can contain mixed power levels.
 - ii. Scoring:
 - 1. QRP contacts count 5
 - 2. Low power contacts count 2
 - 3. High power contacts count 1.
 - iii. Multipliers:
 - 1. Michigan Counties, States, Countries
 - 2. Working Novice/TechPlus stations
 - 3. CARC members
 - 4. Number of days on which you made at least 1 contact.
 - b. Officially kick-off the event – email/web/facebook/twitter/etc
- 10. Meetings / Events
 - a. Oct 7: Trailblazer Weekend
 - b. Oct 21: JOTA @ Camp Kellogg – NEED VOLUNTEERS!
 - c. Oct 24: PROGRAM: Brad W8QP0: Multipand Inverte-Vee antenna instruction/project
 - d. Nov 1: TBI Contest Begins! (runs thru 30th)
 - e. Nov 11: VE session Nov 11. (posted on ARRL)
 - f. Nov 28: PROGRAM: Dave KJ4KFJ offers Wires-X program
 - g. Dec: no gen mtg, CHRISTMAS. – Ward and Ernie to arrange a date
 - h. Jan 23: PROGRAM: Ed Fong via Skype, ELECTIONS for 2018
 - i. Feb 10: SWAP N SHOP
- 11. Adjourn – Motion to adjourn by Ward N8WK, second by Chuck W8SGR, motion approved

Cherryland ARC Information:

Club Meetings:

The official CARC Club Meeting occurs on the **Fourth Tuesday** of each month at 7pm. Anyone is welcome.

Board Meetings:

The CARC Board meets on the **First Tuesday** of each month at 7pm. Board meetings are open all.

Project Night:

The CARC meets for a "project night" on **all other Tuesday nights** at 7pm. Anyone is welcome to come and use the tools, parts, resources, and "elmers" in the project room / SATERN station.

All Meetings occur at the **Salvation Army building** on **Barlow St.** (at Boon st.) in **Traverse City**.
The project room is on the **basement level**.

To become a member of the CARC:

1. Fill out a membership form.

You may fill out a form at any meeting, fill out the form online via the website, or you can email cherrylandarc@gmail.com to receive a form via email.

2. Submit dues with your form.

Dues are \$24 per year and are due January 1 each year or with your membership form submission. (pro-rated)
(Family Memberships available for \$26)

That's all for the September 2017 issue of The Cherry Juice!

As always, if you have any suggestions or comments, I'm all ears!

joe@n8cn.org

73, Joe N8CN



45th Annual

Amateur Radio

Swap-N-Shop

SATURDAY

February 10th, 2018

8am-noon

**Door
Prizes!**

Admission \$5.00
Table \$8.00

**VE
Exams
9 am**

Immaculate Conception
Elementary School
218 Vine Street
Traverse City, MI 49684

Talk-In
146.860 (-)
W8TCM / R
PL 114.8 / YSF

www.CherrylandARC.com

For information or table reservations, call:
Joe Novak W8TVT at (231) 947-8555
([or click here](#))

VE Exam Info: Contact Hope, AA8SN:
hopeaa8sn@gmail.com or 231-218-0622

Friday Night "Eyeball QSO Gathering" Social Event

6-7 p.m. at the Traverse City Elks Club #323
625 Bay Street, near the US-31/M-72 junction.

NO SALES!! This is a social event only. Great for those traveling up Friday Night, also a fun night for locals to meet and greet. Cash bar and food available.



**An ARRL-Sanctioned
Swap Event**

